

CUSTOM AVIONICS PANELS

ADVANTAGE AVIONICS



Aircraft Spruce Avionics opened in September 1993 and in January 2004 merged with Advantage Avionics at Chino Airport in Southern California. Aircraft Spruce stocks a complete selection of major brand equipment at exceptional prices and ships to customers around the world. Advantage Avionics is Aircraft Spruce's custom panel and avionics installation facility. Highly skilled and experienced installers and bench technicians provide quality work at competitive prices. Advantage Avionics has become the avionics shop of choice for discerning aircraft builders and owners in Southern California.

**CALL OUR AVIONICS SALES TEAM
(800) 826-3160**



Advantage Avionics

GARDNER AVIATION SPECIALIST, INC.



Exemplifying Pride and a Commitment to Excellence in all we do! Gardner Aviation is Aircraft Spruce's East coast avionics shop partner. Specializing in Avionics and Maintenance: Installs, complete avionics upgrades, autopilots, RVSM, TAWS, custom panels, aircraft annuals, 100 hours and pre-buys, and IFR/VFR certification.

Certified FAA Repair Station: G3SR222J
Radio Class: I, II, III
Instrument Class: I, II, III, IV
Limited Airframe



The Aircraft Spruce and Specialty Panel Builder allows you to plan your panel without having to search all over the internet and keep track of all your findings. Using drop down menus, you can easily search our large inventory of avionics & instruments by category. This tool displays every piece of equipment you will need for your panel, enabling you to get quotes

quickly and simplify the ordering process. Your data can be saved so you can build your panel at your own convenience.

If you need a complete custom panel built for your aircraft, Aircraft Spruce is your best choice for best quality and lowest cost.

Contact our Avionics Sales Manager for a quote on your new panel at: ryandeck@aircraftspruce.com.



RV Panel



Pulsar Panel



Lancair Panel



Velocity Panel

IMPORTANT NOTICE

Aircraft Spruce & Specialty Co. cannot accept a return of any instrument or avionics equipment that has been installed and/or altered in any way. All returns must include all components and accessories and all original packaging. All returns must be in new, saleable condition. Credit or replacement will be issued at our discretion pending inspection and testing by the manufacturer. Warranty repairs can be sent directly to the manufacturer with a copy of our invoice.

GARMIN PORTABLE GPS



GARMIN GPSMAP 696 & 695

All-in-one navigator designed exclusively for aviation. Bright 7-inch diagonal high-definition sunlight-readable display. The bezel around the screen includes soft keys and a joystick control. Fast 5 Hz GPS update rate, the 696 renders graphics and presents flight data smoothly and continuously. With the addition of Garmin FliteCharts®¹ and IFR map mode, the GPSMAP 696 has Class 1/Class 2 electronic flight bag (EFB) capability. Includes a GXM 40 smart antenna, which gives you access to high-resolution weather and audio entertainment right in the cockpit (XM subscription required). Can receive PIREPs, turbulence forecast and icing forecast information. The weather data can be laid directly over the unit's navigation and topographic map databases. Features a high-resolution terrain page showing hazards relative to your altitude and a vertical profile of terrain along your route of flight. Built-in Jeppesen database, and an Americas, Atlantic or Pacific terrain database. Also includes an obstacles database for the U.S. or Europe. Comes with a realistic "view from space" satellite imagery basemap. When in the air, Garmin's new Smart Airspace™ feature makes it easier than ever to identify what airspace lies ahead.

GPSMAP 695 is Garmin's ultimate portable MFD. Similar to the 696, the GPSMAP 695 comes with a large screen and detailed electronic charts — minus XM compatibility — at a price you'll love.

| | |
|----------------------------------|--------------------|
| Garmin GPSMAP 696 Americas | P/N 11-07022 |
| Garmin GPSMAP 695 Americas | P/N 11-07023 |
| Garmin GPSMAP 695 Atlantic..... | P/N 11-07047 |
| Garmin GPSMAP 695 Pacific..... | P/N 11-07048 |

GPSMAP 696 & 695 ACCESSORIES

| Description | Part No. | Price | Description | Part No. | Price | Description | Part No. | Price |
|------------------|----------|-------|-------------------------|----------|-------|------------------------------|----------|-------|
| Power Data Cable | 11-07056 | . | US AC Adapter | 11-07052 | . | GXM 40 Flng Mount | 11-07059 | . |
| Carrying Case | 11-07049 | . | Intl. AC Adapter | 11-07053 | . | Mag Mount GXM Antenna | 11-07060 | . |
| Lap Mount | 11-07050 | . | 12/24V Cig. Plug | 11-07054 | . | Zaon traffic Interface Cable | 11-07107 | . |
| Battery Pack | 11-07051 | . | Protective Cover | 11-07055 | . | MCX to BNC antenna cable | 11-90210 | . |
| Yoke Mount | 11-07057 | . | GMX 40 XM Antenna (696) | 11-07058 | . | 696 Audio Jack | 11-07783 | . |

GARMIN GPSMAP 496

Combines satellite datalink weather with a detailed color map and terrain alerting. Garmin SafeTaxi™ data provides detailed taxiway diagrams and position information for over 850 U.S. airports. Preloaded on the unit. Look up taxi services, plan an overnight, choose fuel stops and more with the Aircraft Owners and Pilots Association (AOPA) Airport Directory included on the GPSMAP 496. Detailed information for over 5,300 U.S. airports along with the names and phone numbers of thousands of FBOs, plus ground transportation, lodging, restaurants, local attractions and more. Smart Airspace feature makes it easier than ever to identify what airspace lies ahead. Automatically highlights airspace close to the pilot's current altitude and de-emphasizes airspace away from the current altitude, which gives you increased situational awareness. Built-in Jeppesen database with terrain and obstacle databases. Even customize your own minimum clearance levels to receive terrain cautions. Updates map data and "Panel" page instruments at 5 Hz, gives you a smoother, near "real-time" presentation of your aircraft's analog indicators. With an optional subscription to XM WX Satellite Weather™ and the included GXM 30A smart antenna, you'll have access to constantly-updated, high-resolution weather data for the U.S., right in the cockpit. Add a Garmin Mode S transponder, and the 496 will also display TIS traffic alerts that identify surrounding air traffic. Garmin's GPSMAP 496 comes ready to go right out of the box with preloaded City Navigator® NT street maps and a hefty points of interest (POIs) database, including motels, restaurants, fuel, ATMs and more. Simply enter a destination, and you're automatically routed with voice-prompted turn-by-turn directions. Add optional BlueChart® g2 data cards, and turn the 496 into a color chartplotter.

| | |
|-----------------------------------|-------------------|
| Garmin GPSMAP 496 Americas | P/N 11-04684..... |
| Garmin GPSMAP 496 Atlantic | P/N 11-04742..... |
| Garmin GPSMAP 496 GuideBook | P/N 11-05024..... |

GARMIN GPSMAP 495

Includes the advanced features of the 496 — minus XM™ compatibility and preloaded maps — at a price you'll love. It comes loaded with SafeTaxi® airport diagrams, AOPA's Airport Directory data, Garmin's Smart Airspace™, super-fast update speed, enhanced terrain and aviation databases and more. Add optional mapping to this versatile handheld for use on land or water.

| | |
|---------------------------|--------------------|
| GPSMAP 495 Americas | P/N 11-06248 |
| GPSMAP 495 Atlantic | P/N 11-06317 |
| GPSMAP 495 Pacific | P/N 11-06318 |

GARMIN GPSMAP 396

An integrated GXM 30 smart antenna makes the satellite connection, enabling the unit to receive and process XM Weather and flight safety products. Allows pilots to display NEXRAD, Temporary Flight Restrictions (TFRs), METARs, TAFs, Winds Aloft, through a subscription with XM Radio data services. Displays TIS traffic when interfaced with a Garmin GTX 330, and channeling a Garmin SL 30 Nav/Com by highlighting a frequency on the GPSMAP 396 and pressing the enter button. Features: •GA 26C remote antenna •Full Jeppesen aviation database, including instrument approaches •Terrain/obstacle display with pop-up warnings •Built-in basemap with automatic routing and turn-by-turn directions •Rechargeable lithium-ion battery offers 5 to 15 hours of use depending on backlight settings •Provides separate serial and USB interfaces •50 reversible routes with 300 waypoints per route •10,000 point automatic track log; 15 saved tracks, 1,000 saved track points each •Project your position on the map with the configurable complex heading line Water resistant, IEC 60529 IPX7 standards (submersible to 1 meter for 30 minutes)

| | | |
|--|----------|---|
| Garmin Power Data Cable | 11-02694 | . |
| Garmin Battery Pack | 11-04856 | . |
| Garmin Auto Kit (296, 396, 495) | 11-02677 | . |
| City Navigator North America | 11-02705 | . |
| City Navigator Europe | 11-01192 | . |
| Auto mount | 11-03900 | . |
| Yoke mount | 11-02691 | . |
| Friction mount | 11-01033 | . |
| Garmin GPS handheld antenna | 11-02681 | . |
| GA 25MCX low profile remote antenna | 11-07281 | . |
| GA 26C remote GPS antenna | 11-00051 | . |
| GA 29 remote marine antenna | 11-07285 | . |
| GA 56 low profile antenna for yoke panel mount | 11-18756 | . |

GARMIN GPSMAP 296

The GPSMAP 296 builds on the tradition of Garmin aviation handhelds like the GPSMAP 196 and GPSMAP 295. New features like terrain cautions and alerts, sectional chart-like topographic data, a built-in obstacle database of the U.S., and a transparent navigation arc view for course, speed, and distance information lead the list of advances. The GPSMAP 296 also features USB data transfer, faster processing speed, and a rechargeable lithium-ion battery pack. Press a button, and you have your choice of the unit's automotive or marine modes. An automatic logbook also calculates your flight time and automatically records departure and arrival locations. When used with Garmin's free logbook software—FlightBook—this feature makes light work of maintaining your logbook. Your flight information will be stored in the unit and can be downloaded to this exclusive Flightbook software at any time. Garmin delivers terrain awareness in an intuitive Terrain mode on the GPSMAP 296. The unit combines GPS position, GPS altitude and topographical mapping to give pilots a vivid depiction of potential terrain hazards. Features: * Sunlight Readable * Full Color Screen * Terrain (TOPO) with Alerts * Lithium Rechargeable Battery * Mapsource & Blue Chart Compatible * Turn by Turn Guidance * If Auto Kit is Purchased, has Voice Activated Turn by Turn * Processor is 2 Times Faster than the 196 * Can Display in 10 Different Languages that are Pre-Programmed in the GPS Itself: English, French, German, Spanish, Russian, Italian, Polish, Portuguese, Swedish, Dutch

| | |
|---------------------------|-------------------|
| GPSMAP 296 Americas | P/N 11-02652..... |
| GPSMAP 296 Atlantic | P/N 11-02662..... |
| GPSMAP 296 Pacific | P/N 11-02663..... |

GARMIN GPS ACCESSORIES

| | | |
|---|----------|---|
| GMX 30A antenna (396 & 496) | 11-06270 | . |
| GMX 30 flange mount with screws | 11-06267 | . |
| GMX 40 Replacement ant. for GMX Series only | 11-07058 | . |
| Cigarette adapter w/ speaker (car only) | 11-02693 | . |
| Cigarette adapter | 11-02696 | . |
| AC power adapter | 11-02676 | . |
| USB Cable | 11-02692 | . |
| Carrying Case | 11-18863 | . |
| GPS Protective Cover | 11-02701 | . |
| Garmin 512MB Data Card | 11-06268 | . |
| Garmin 256MB Data Card | 11-02697 | . |
| Instruction 296 video (DVD) | 11-02821 | . |
| USB Cable fits 296, 396, 495, 496, 695, 696 | 11-07503 | . |

GARMIN PORTABLE GPS



GARMIN GPSMAP 196

The GPSMAP 196 offers unprecedented features and utility in an aviation portable. In addition to the built-in Garmin basemap, the GPSMAP 196 accepts all of our MapSource products, and provides turn-by-turn route guidance for street navigation. Other exciting features include a unique "panel page", which offers a graphical depiction of GPS-derived flight information, and an automatic logbook function that records departure airports, arrival airports, and flight time (automatically recording night flight based on sunrise/sunset information). This flight information is stored in the unit, and can be downloaded to Garmin logbook software. The GPSMAP 196's processor provides map redraws and scrolling at over twice the speed of previous aviation portables. With these features plus a large (3.8" diagonal), 12-level grayscale display in a slim package, the GPSMAP 196 is sure to be the next big hit. Features: • 3 distinct modes: Aviation, Land, Water Extended runway centerlines displayed on moving map • Unique panel page graphically displays flight info • Turn-by-turn automotive routing • Split-screen moving map and HSI display • Built-in basemap showing lakes, rivers, cities, highways, state boundaries • Benefits

Logbook feature automatically records flight data • WAAS-enabled, 12 parallel channel GPS receiver • 1000 user waypoints with name and graphic symbol; 50 reversible routes with 50 waypoints / route. • Compatible with most Map source products including Garmin BlueChart marine cartography, MetroGuide, and City Select. • Weight: approx. 1.5 lbs. with batteries • Battery life using (4) AA batteries; 16 hours with no backlighting used. 4 hours with full backlighting.

GPSMAP-196 Americas Database P/N 11-01620
 GPSMAP-196 Pacific Database..... P/N 11-01622
 GPSMAP-196 Atlantic Database..... P/N 11-01621

Accessories: Auto Kit Includes: Auto dash mount, portable bean bag mount, 64Mb data Card, MapSource City Select US CD with full coverage, USB Card Programmer. P/N 11-01628

GARMIN GPS TRADE-IN / TRADE-UP PROGRAM

TRADE-IN YOUR OLDER MODEL AND TRADE-UP TO NEW MODEL



Trade-in only applies towards a purchase of a new Garmin unit listed below (one unit per trade-in). Trade-in must be complete, having all accessories (listed below), and the unit must be in good cosmetic and working condition. Any unit not meeting this requirement may receive a lesser trade-in value or have the unit returned.

1. Purchase a new GPSMAP 296, 396, 495, 496, 695, or 696.
2. At the time of order, our sales representatives will give you your customer number and order number to use when sending in your trade-in unit.
3. Once you receive your new Garmin unit, please call our customer service number at 800-861-3192 and reference your customer number and order number to receive an RMA to ship your trade-in to Aircraft Spruce and Specialty.
4. After we receive your trade-in, we will verify that the unit is complete and in good cosmetic and working condition. Once verified we will credit you the trade-in value. Units with missing accessories will add delay to the credit process.

- GPSMAP 496.....
- GPSMAP 495.....
- GPSMAP 396.....
- GPSMAP 296.....
- GPSMAP 295.....
- GPSMAP 196.....



GARMIN GPSMAP 96/96C

Full-featured GPS navigation with Jeppesen database and comprehensive towers-and-obstacles database. Users can quickly download and store map data from a variety of optional MapSource CDROMs. Whether on land, sea, or air, the GPSMAP 96 is the smart, versatile way to get there: • Extensive Jeppesen database includes airports, identifiers and services • Comprehensive U.S. database of obstacles and towers helps alert pilots of potential hazards • Graphic HSI steering cues with GPS-derived VNAV provide added orientation • Built-in autoroute basemap and optional MapSource marine, topo & city street mapping downloads let you move seamlessly from plane to car to boat to hiking boots. Features: • Unit Dims: 2.7"W x 6.2"H x 1.4"D • Weight: 7 oz. • Display size: 3.0" diagonally • Antenna: Quad-helix • Display resolution: 180x240-pixel, 4-level gray FSTN display • Usable storage capacity: 23 MB • Battery life: Up to 25 hrs in battery save mode, depending on backlight setting • WAAS capability: WAAS GPS receiver for enhanced lateral/vertical guidance. • Waterproof: submersible in 1 meter of water for up to 30 mins. • Routes, Tracks, Waypoints: 50 reversible routes (300 waypoints each), 20 saved tracks (500 trackpoints each), TracBack® technology and 1,000 waypoints with graphical icon identification.

GPSMap 96 Americas B&W P/N 11-02819
 GPSMap 96 Atlantic B&W..... P/N 11-02825
 GPSMap 96 Pacific B&W..... P/N 11-02826
 GPSMap 96C Americas Color P/N 11-02820
 GPSMap 96C Atlantic Color..... P/N 11-02827
 GPSMap 96C Pacific Color..... P/N 11-02828

ACCESSORIES FOR GPSMAP 196, 96C AND 96

| Description | Part No. | Price |
|-------------------------------------|----------|-------|
| Power Data Cable | 11-90345 | . |
| AC Adapter | 11-02299 | . |
| Cigarette Adapter | 11-18759 | . |
| PC Interface with AC Adapter | 11-00713 | . |
| PC Interface with Cigarette Adapter | 11-90326 | . |
| PC Interface Cable | 11-90346 | . |
| USB To RS232 Cable Converter | 11-01037 | . |
| NIMH AA Rechargeable | 11-02844 | . |
| GA 27C Remote Antenna | 11-00052 | . |
| 8 Foot Extension cable for GA 27C | 11-07283 | . |
| Antenna Flange Mount | 11-02683 | . |
| MCX to BNC Antenna Cable | 11-90210 | . |
| GA 26C Suction Cup Mount | 11-02685 | . |
| Dash Mount Disk | 11-18862 | . |
| Auto Mount | 11-03900 | . |
| Bean Bag Mount | 11-01033 | . |
| Temp. Adhesive 3-Pack | 11-02689 | . |
| Permanent Adhesive Disk | 11-00547 | . |
| Carrying Case (96C & 96) | 11-90325 | . |



USED GARMIN GPS UNITS

Used Garmin GPS units are subject to availability. If the unit is not in stock at the time of your order, it will remain on backorder indefinitely until we receive a used unit from a customer as a trade-in.

| Description | Part No. | Price |
|------------------------|----------|-------|
| Used Garmin GPSMAP III | 11-01752 | . |
| Used Garmin GPSMAP 90 | 11-01754 | . |
| Used Garmin GPSMAP 92 | 11-01753 | . |
| Used Garmin GPSMAP 195 | 11-01751 | . |
| Used Garmin GPSMAP 295 | 11-02656 | . |
| Used Garmin GPSMAP 196 | 11-02713 | . |
| Used Garmin GPSMAP 296 | 11-03593 | . |
| Used Garmin GPSMAP 396 | 11-04737 | . |
| Used Garmin GPSMAP 495 | 11-07063 | . |
| Used Garmin GPSMAP 496 | 11-07064 | . |

AV

GARMIN PORTABLE GPS - ACCESSORIES



GARMIN NUVI 205W

This navigator leads the way with turn-by-turn directions and optional MSN® Direct services to get you there on time and keep you informed. It's packed with millions of destinations and maps for the contiguous U.S. **Navigate With Ease** - nüvi 205 comes preloaded with City Navigator® NT map data for the contiguous U.S. Simply touch the color screen to enter a destination, and nüvi takes you there with turn-by-turn voice directions, 2-D or 3-D maps and smooth map redraw rates as you navigate. Its digital elevation maps show you shaded contours at higher zoom levels, giving you a big picture of the surrounding terrain. In addition, nüvi 205 accepts custom points of interest (POIs). **Take It With You** - Like the rest of the nüvi 2x5-series, nüvi 205 sports a sleek design and fits comfortably in your pocket or purse. Its rechargeable lithium-ion battery makes it convenient for navigation by car or foot. With its "Where Am I?" emergency locator, you always know your location. Simply tap the screen to get your exact latitude and longitude coordinates, the nearest address and intersection, and the closest hospitals, police stations and fuel stations. **Go Beyond Navigation** - Navigation is just the beginning. nüvi 205 includes many travel tools including JPEG picture viewer, world travel clock with time zones, currency converter, measurement converter, calculator and more. With photo navigation, you can download Google™ Panoramio™ pictures via our Garmin Connect™ Photos website and navigate to them. The 205 is compatible with optional enhanced MSN® Direct content (subscription and receiver required) and our free Garmin Garage where you can download animated vehicles that show your location on the map. It also comes with Garmin Lock™, an anti-theft feature. Enhance your travel experience with optional plug-in microSD cards such as Garmin Travel Guides for detailed data on attractions.

- Suction Cup Mount..... P/N 11-07249.....
- Dash Mount..... P/N 11-07275.....
- Auto Mount Adapter..... P/N 11-07284.....
- Portable Friction Mount..... P/N 11-07277.....

GARMIN COLORADO® 300



A built-in basemap, high-sensitivity receiver, barometric altimeter, electronic compass, SD™ card slot, color display, picture viewer and more. Even exchange tracks, waypoints, routes and geocaches wirelessly between similar units. **Explore More** - Colorado 300 comes with a built-in worldwide basemap with shaded relief and accepts SD cards for all your outdoor activities on land or water. The card slot is located inside the waterproof battery compartment, so you don't have to worry about getting it wet. **Share Wirelessly** - With Colorado 300 you can share your waypoints, tracks, routes and geocaches wirelessly with other Colorado users. **Rock on. Find Fun** - Intuitive and fun, Colorado features a Rock 'n Roller™ input wheel for easy one-handed operation and supports Geocaching.com GPX files for downloading geocaches and detail straight to your unit. **Keep Your Fix** - With its high-sensitivity, WAAS-enabled GPS receiver, Colorado 300 locates your position quickly and precisely and maintains its GPS location even in heavy cover and deep canyons. **Get Your Bearings** - Colorado 300 has a built-in electronic compass that provides bearing information even while you're standing still, and its barometric altimeter tracks changes in pressure to pinpoint your precise altitude.

GARMIN OREGON™ 300



Features a rugged, touchscreen along with a built-in basemap with shaded relief, a high-sensitivity receiver, barometric altimeter, electronic compass, microSD™ card slot, picture viewer and more. Even exchange tracks, waypoints, routes and geocaches wirelessly between similar units. Touch and Go - A tough, 3-inch diagonal, sunlight-readable, color, touchscreen display. Its easy-to-use interface means you'll spend more time enjoying the outdoors and less time searching for information. Both durable and waterproof, it is built to withstand the elements. Bumps, dust, humidity and water are no match for this rugged navigator. **Explore More** - Comes with a built-in worldwide basemap with shaded contours. Simply touch the color screen to navigate. Its digital elevation maps show you shaded contours at higher zoom levels, giving you a big picture of the surrounding terrain. **Share Wirelessly** - Share your waypoints, tracks, routes and geocaches wirelessly other Oregon and Colorado users. **Find Fun** - Supports Geocaching.com GPX files for downloading geocaches and details straight to your unit. **Keep Your Fix** - Locates your position quickly and precisely and maintains its GPS location even in heavy cover and deep canyons. **Get Your Bearings** - Oregon 300 has a built-in electronic compass that provides bearing information even while you're standing still, and its barometric altimeter tracks changes in pressure to pinpoint your precise altitude.

MAGNIFICO PLUS



Truly a universal screen magnifier for PDAs, GPSs, iPods, BlackBerry and other devices with small screens. The handheld device attaches to the base of a clamshell unit. With a flick of a finger the lens telescopes out to the desired height and when not in use, is collapsible to a compact stowaway unit. Folded down, it measures: 3-1/4" x 4-3/4" x 1-1/4" P/N 11-04378.....



QREF BOOK/CARD CHECKLISTS

In a QREF Book, information is organized into standardized sections, and each section is tabbed in sturdy 1/4" (60mm) side tabs, making it easy to navigate to the exact procedure you're after. If you are already familiar with your GPS, a Qref card will provide quick reminders of how to do common tasks. The cards are double sided and printed in full color and hard laminated.

| GPS Model | Card P/N | Price | Book P/N | Price |
|---------------------|----------|-------|----------|-------|
| GPSMAP 195 | 13-06355 | . | 13-06291 | . |
| GPSMAP 196 | 13-06356 | . | 13-06292 | . |
| GPSMAP 295 | 13-06357 | . | 13-06293 | . |
| GPSMAP 296 | 13-06360 | . | 13-06294 | . |
| GPSMAP 396 | 13-06362 | . | 13-06295 | . |
| GPSMAP 495 | 13-06362 | . | 13-06313 | . |
| GPSMAP 496 | 13-06362 | . | 13-06315 | . |
| GPSMAP 696-695 | 13-06363 | . | 13-06316 | . |
| GMX200 | 13-06353 | . | --- | --- |
| GNS 430 | --- | --- | 13-06288 | . |
| GNS 480/CNX80 | 13-06418 | . | 13-06289 | . |
| GNS 530/430 | 13-06354 | . | 13-06290 | . |
| G1000 Card | 13-06417 | . | --- | --- |
| G1000 non WAAS | --- | --- | 13-06423 | . |
| G1000 WAAS | --- | --- | 13-06424 | . |
| GARMIN Cirrus | --- | --- | 13-06425 | . |
| AIRMAP 2000C | 13-06365 | . | 13-06317 | . |
| AIRMAP 600C | 13-06364 | . | 13-06318 | . |
| AV8OR | 13-06348 | . | 13-06287 | . |
| GEOPILOT II | 13-06347 | . | 13-06286 | . |
| EKP-II | --- | --- | 13-06285 | . |
| ETREX Advanced | 13-06349 | . | 13-06319 | . |
| ETREX Basic | 13-06350 | . | 13-06320 | . |
| ETREX Mapping | 13-06352 | . | 13-06321 | . |
| EKP | 13-06322 | . | --- | --- |
| KLN 89B | 13-06368 | . | --- | --- |
| KLN 90B | 13-06367 | . | --- | --- |
| KLN 94 | 13-06366 | . | 13-06422 | . |
| KLN GX Series | 13-06369 | . | --- | --- |
| Avidyne Entegra 3-5 | --- | --- | 13-06358 | . |
| Avidyne Entegra 6-7 | --- | --- | 13-06359 | . |

KNEEBOARD FOR HANDHELD GPS & PDAS



This angled kneeboard accommodates virtually every handheld GPS or PDA. The circular base is slightly cone-shaped for a leg-conforming fit and is wiggle-free secured around either upper leg with a velcro tape. The GPS or PDA attaches with velcro on a slant surface, which is angled about 30° and permits a perpendicular view on the screen.

P/N 11-01285.....

JEPPESEN GARMIN GPSMAP TRAINING CDS



The Jeppesen Training CDS let pilots learn at their own pace, practicing procedures at the comfort and safety of a computer desktop, rather than flying heads-down. Easily and quickly get the users familiar with operations by using a visual hands-on approach.

| Description | Part No. | Price |
|--|------------|-------|
| Jeppesen GPSMAP 196 INTERACTIVE | 11-02442-1 | . |
| Jeppesen GPSMAP 296 INTERACTIVE | 11-02848-1 | . |
| Jeppesen GPSMAP 396 INTERACTIVE | 11-04514-1 | . |
| Jeppesen GPSMAP 496 TRAINING CD | 11-04766 | . |
| JS202402 JEPP 430/530 WAAS PRC | 13-05646 | . |
| Jeppesen Weight & Balance Graphic Planner CD | 11-04767 | . |

GPS MANUALS



Pilot-friendly manuals are available for most receivers. Our task-oriented manuals are simplified directions that lead you step-by-step through all the GPS operations. Includes descriptions of all pages.

| Description | Part No. | Price |
|-----------------------------------|----------|-------|
| G1000W WAAS Manual | 13-05694 | . |
| GNS-430W WAAS Manual | 13-05129 | . |
| GNS-430 Guidebook | 11-04307 | . |
| GNS-530 Guidebook | 11-04308 | . |
| G1000 Guidebook | 11-04309 | . |
| GPSMAP 295 | 11-04310 | . |
| Learn How to Use Your GPS 496 | 11-05024 | . |
| GPSMAP 496 Guidebook | 11-05581 | . |
| GPSMAP 396 Guidebook | 11-04311 | . |
| GPSMAP 296 Guidebook | 11-04312 | . |
| GPSMAP 196 Guidebook | 11-04313 | . |
| Bendix/King KLN-90B Guidebook | 11-04303 | . |
| Bendix/King KLN-900 Guidebook | 11-04304 | . |
| Bendix/King KLN-90B/900 Guidebook | 11-04305 | . |
| Bendix/King KLN-89B/94 Guidebook | 11-04306 | . |

USING THE GNS430W/530W



This is not your typical "Cook Book" approach to learning the GNS430/530W. The manual contains 62 pages of text and dozens of colored pictures, the same pictures you would see in real-life when operating the unit. Written by Keith Thomassen.

P/N 13-06831.....

AV

GARMIN PANEL PACKAGES

GARMIN AIRCRAFT PANEL PACKAGES



* If you do not see a package that meets your needs. Please contact our Avionics Sales Manager for a quote.
*Request quote for the needed harness at an additional cost.

*Package E, H, & K cannot be sold over the counter for certified aircraft installation as the GTX 330 transponder must be installed by a Garmin dealer.

| Package | P/N | Price |
|---|----------|-------|
| GARMIN PACKAGE A | | |
| GPSMAP 296 Americas AirGizmo Panel Dock SL40 Slimline COMM GTX 320A Trans. w/harness AK-350 Encoder | 11-05044 | |
| GARMIN PACKAGE B | | |
| GPSMAP 296 Americas AirGizmo Panel Dock SL 40 Slimline COMM GTX 327 Trans. w/harness AK-350 Encoder | 11-05045 | |
| GARMIN PACKAGE C | | |
| GPSMAP 396 Americas AirGizmo Panel Dock SL40 Slimline COMM GTX 320A Trans. w/harness AK-350 Encoder | 11-05046 | |
| GARMIN PACKAGE D | | |
| GPSMAP 396 Americas AirGizmo Panel Dock SL 40 Slimline COMM GTX 327 Trans. w/harness AK-350 Encoder | 11-05047 | |
| GARMIN PACKAGE E | | |
| GPSMAP 396 Americas AirGizmo Panel Dock SL 40 Slimline COMM GTX 330 Trans. w/harness AK-350 Encoder | 11-05048 | |
| GARMIN PACKAGE F | | |
| GPSMAP 496 Americas AirGizmo Panel Dock SL40 Slimline COMM GTX 320A Trans. w/harness AK-350 Encoder | 11-05049 | |

| Package | P/N | Price |
|---|----------|-------|
| GARMIN PACKAGE G | | |
| GPSMAP 496 Americas AirGizmo Panel Dock SL 40 Slimline COMM GTX 327 Trans. w/harness AK-350 Encoder | 11-05050 | |
| GARMIN PACKAGE H | | |
| GPSMAP 496 Americas AirGizmo Panel Dock SL 40 Slimline COMM GTX 330 Trans. w/harness AK-350 Encoder | 11-05051 | |
| GARMIN PACKAGE I | | |
| GPSMAP 696 Americas AirGizmo Panel Dock SL40 Slimline COMM GTX 320A Trans. w/harness AK-350 Encoder | 11-07124 | |
| GARMIN PACKAGE J | | |
| GPSMAP 696 Americas AirGizmo Panel Dock SL40 Slimline COMM GTX 327 Trans. w/harness AK-350 Encoder | 11-07125 | |
| GARMIN PACKAGE K | | |
| GPSMAP 696 Americas AirGizmo Panel Dock SL40 Slimline COMM GTX 330 Trans. w/harness AK-350 Encoder | 11-07126 | |

| Package | P/N | Price |
|---|----------|-------|
| GARMIN PACKAGE L | | |
| GMA 240 Audio Panel GPSMAP 296 Americas AirGizmo Panel Dock SL40 Slimline COMM GTX 327 Trans. w/harness AK-350 Encoder | 11-07127 | |
| GARMIN PACKAGE M | | |
| GMA 240 Audio Panel GPSMAP 396 Americas AirGizmo Panel Dock SL40 Slimline COMM GTX 327 Trans. w/harness AK-350 Encoder | 11-07128 | |
| GARMIN PACKAGE N | | |
| GMA 240 Audio Panel GPSMAP 496 Americas AirGizmo Panel Dock SL40 Slimline COMM GTX 327 Trans. w/harness AK-350 Encoder | 11-07129 | |
| GARMIN PACKAGE O | | |
| GMA 240 Audio Panel GPSMAP 696 Americas AirGizmo Panel Dock SL40 Slimline COMM GTX 327 Trans. w/harness AK-350 Encoder | 11-07130 | |

INTERCOM OPTION

This option includes a PS Engineering *PMA1000II four places intercom for the Garmin™ SL 40. Available with any of our Garmin™ Packages.
*Request quote for the needed harness at an additional cost.

P/N 11-05052.....

AV

GARMIN NOH (NEWLY OVERHAULED) UNITS



GARMIN GPS 155XL NOH GPS - The IFR-certified GPS 155XL TSO, along with its VFR counterpart, GPS 150XL, add moving map graphics to a fast, efficient GPS receiver. The 155XL TSO shares the popular features of the GPS 150XL

and is TSO-certified for non-precision approaches for the IFR environment. Americas Data Base. P/N 11-05939



GARMIN GNC 300XL NOH GPS COMM - The GNC 300XL TSO delivers picture perfect GPS/comm technology and outstanding reliability. This panel mount combines GPS navigation with a 760-channel transceiver and high resolution DSTN display. The 300XL TSO shares the popular features of the GNC 250XL and is TSO-certified for non-precision approaches for the IFR environment.

P/N 11-02934



GARMIN 150XL NOH GPS

- The VFR panel-mounted GPS 150XL, along with its IFR counterpart, GPS 155XL TSO, combine moving map graphics with a fast, efficient GPS receiver.

GPS 150XL shares the popular features as the 155XL TSO at a lower price for the VFR pilot.

P/N 11-06323



GARMIN NOH GTX 330 TRANSPONDER - See the same radar traffic your ATC controller is watching with the GTX 330, a panel-mounted Mode S digital transponder with traffic datalink capability that also meets the European mandate for Mode S level 2 surveillance. GTX 330D adds antenna diversity to the features of the GTX 330 for improved visibility of TCAS-equipped aircraft flying above you. P/N 11-05747

AIRGIZMOS PANEL DOCKS



AIRGIZMOS PANEL DOCK FOR GARMIN 695/696

Securely mounts the Garmin GPSMap 695/696. Designed to allow quick and easy removal of your portable GPS. Made from durable, high quality plastic similar in appearance to the GPS itself. Gives your instrument panel a professional, finished look. P/N 11-07309
 Horizontal Tilt..... P/N 11-07310



AIRGIZMOS PANEL DOCK FOR GARMIN 196/296/396/496/496

The AirGizmos Panel Dock was designed to securely hold your Garmin 196, 296, 396, or 496 portable GPS. It fits nicely in a standard 6.25" avionics stack. It allows you to quickly remove your portable GPS from your plane for upgrades, flight planning, or for use in your car or boat. It is also a safe way to use your portable GPS, as it is securely held in the panel at all times. The Panel Dock is shipped with a set of mounting hardware necessary for attaching it to an avionics stack. If you intend to install it in a different way, use the included hardware as a reference when deciding what type of installation hardware you will need. P/N 11-03509

AIRGIZMOS PANEL DOCK FOR GARMIN 295

The Garmin 295 is held safely and securely, but can be easily removed in a matter of seconds. The external power and antenna connections are made at the back of the unit, and the cables are secured from falling into the panel with special keyholes machined into the dock. P/N 11-04315



AIRGIZMOS VERTICAL TILT ADAPTOR FOR GARMIN UNITS

Following up the release of their Horizontal Angle Adapter, AirGizmos decided to address the needs of those pilots who mount their GPS lower on the instrument panel. The Vertical Tilt Adapter angles the viewing angle of the GPS so it is more readable when the GPS is mounted at the bottom of a tall instrument panel. This adapter fits the same opening as the Panel Dock itself, so adding the vertical tilt should be very easy for existing installations. P/N 11-05029



AIRGIZMOS HORIZONTAL TILT ADAPTOR FOR GARMIN UNITS

AirGizmos Horizontal Tilt Bracket angles the GPS at a fixed angle of 15 degrees, providing a much more convenient viewing angle. This adapter fits in the same panel cutout as the Panel Dock, so if you already have a Panel Dock you can attach this adapter without having to modify your installation. You can mount the Angle Adapter in either direction, in case you fly in the right seat. In addition, by using this adapter you can explore your installation options, since it lets you surface-mount the Panel Dock on any instrument panel. P/N 11-04671



AIRGIZMOS 396 XM ANTENNA DOCK

Here is the perfect companion to your new Garmin 396 and the AirGizmos Panel Dock. Now you can move the XM antenna from plane to plane, or from vehicle to vehicle, along with the GPS itself. It is designed to mobilize your costly 496 XM antenna. It helps to maintain the clean look of a permanent installation by organizing the antenna cable. Using the AirGizmos Antenna Dock you can freely move ONE XM antenna from location to location, avoiding high costs of additional equipment and service subscriptions. To utilize the AirGizmos Antenna Dock, attach the base to your antenna and install the cradle in the necessary location. You can install several cradles in different locations. Using a simple twist lock mechanism, no tools required, the base will lock your antenna into the preinstalled cradle, and your 396 XM antenna is ready to go. P/N 11-04694



PREMIUM BEANBAG XM ANTENNA PACKAGE

The AirGizmos Antenna Dock is designed to mobilize your costly 496 XM antenna. It helps to maintain the clean look of a permanent installation by organizing the antenna cable. Package includes base, cradle, beanbag assembly, and two cables. P/N 11-07007



AIRGIZMOS 396 XM CRADLE & CABLE

This product will allow you to use the AirGizmos XM Antenna Dock in a second vehicle or aircraft. Use of this product requires that you first purchase the AirGizmos XM Antenna Dock. P/N 11-04781



AIRGIZMOS PANEL DOCK COVER FOR GARMIN 196/296/396/496

This panel is for Garmin panel dock for models 196/296/396/496. Protects unit from UV rays and hides unit in the aircraft so that theft is less likely to happen. Can be used even if Garmin unit has not been installed yet. P/N 11-04775

AIRGIZMOS PANEL DOCK FOR AVMAP EKP-IV

Now you can mount the beautiful, detailed display of the AvMap EKP-IV directly in your instrument panel using the AirGizmos EKP-IV Panel Dock. The AirGizmos EKP-IV Panel Dock is designed to hold the AvMap securely yet it allows you to easily remove your portable from your plane whenever the need arises. The AirGizmos EKP-IV Panel Dock offers easy installation, quick release, hassle-free management of cables, and elegance of design. P/N 11-04371



AIRGIZMO GEOPILOT PANEL DOCK

This GPS has a nice large screen to go with its small size. Our Panel Dock is designed to hold the GeoPilot securely in your panel while allowing it to be easily removed for portable use. Made from durable, high quality plastic similar in appearance to the GPS itself. Gives your instrument panel a professional, finished look. P/N 11-05615

AIRGIZMO GEOPILOT II PLUS PANEL DOCK

The Panel Dock for the AvMap GeoPilot II Plus fits in a standard 6.25" radio stack. Power and antenna cables are organized and managed. The result is a professional installation for your portable GPS. The included or weather receiver bracket provides additional organization in the cockpit by providing a secure mount for the or receiver box. P/N 11-06855



AIRGIZMOS PANEL DOCK FOR AIRMAP 1000/2000c

The AirMap 1000/2000c Panel Dock works in much the same fashion as other AirGizmos products. The cables supplied by Lowrance fit through keyhole slots on the back of the unit. The release latch at the top of the Panel Dock permits quick removal of the device for use in another vehicle or simply for security purposes. P/N 11-04372



AIRGIZMO LOWRANCE 600 PANEL DOCK

Lowrance makes a low cost handheld GPS that is just the perfect size for many panels. Our Panel Dock will allow the AirMap 600c to be nicely mounted in your panel while still allowing it to be easily removed and used as a handheld. Made from durable, high quality plastic similar in appearance to the GPS itself. Gives your instrument panel a professional, finished look. P/N 11-05616



AIRGIZMOS APPLE IPOD DOCK

The iPod Panel Dock fits all first, second, and third generation iPod devices. It does not fit the iPod Mini, or any of the iPod knockoffs that are out there. The iPod Dock can be installed to allow access to either the top plugs or the bottom plug. Just flip it the way you want it to go and mount it in your panel. The top plugs are useful for simple headphone-only connections, while the bottom plug allows you to fully integrate your iPod into your intercom and power system. A separate cable is required. P/N 11-04673



AIRGIZMOS AERO COVER

Would you like to be able to permanently mount the GPS or XM weather antenna from your favorite GPS? If so, the Aero Cover is for you. It fits all of the major brands of GPS and XM weather antennas. It will protect your antenna from the elements. It is streamlined and attractive. Best of all, it gets your antenna out of your way. P/N 11-04777



AIRGIZMOS XM ANTENNA CABLE

XM Antenna Cable
 Straight, 2 meter extension for Garmin XM weather Antenna. P/N 11-04780



AIRGIZMOS AERO DOCK

Don't have room to install the Garmin XM Antenna inside your plane? The Aero Dock gives you the option of mounting it on the outside. The AirGizmos Antenna Dock is designed to mobilize your costly 396 XM antenna. It helps to maintain the clean look of a permanent installation by organizing the antenna cable. Using the AirGizmos Aero Dock you can freely move ONE XM antenna from location to location, avoiding high costs of additional equipment and service subscription. Kit includes 1 cradle, 1 base, 1 cable, mounting hardware. P/N 11-04778

AV

BENDIX KING AV8OR™ SERIES - WXWEATHER



BENDIX KING AV8OR

Takes you to the airport, provides airborne weather and guidance enroute to your destination, and even provides multimedia entertainment along the way. Features * Small and sleek yet hosts a large 4.3-inch diagonal display * External interface to access XM weather information and overlay data on flight plan * Moving aviation map with vertical profile display of terrain * Moving automotive map with teletype-to-speech voice prompts * 20-channel SIRF III GPS receiver capable of receiving AAS * Satellite signals within 5 meters of accuracy * Adjustable, high-brightness 150 ft. LCD with 480 X 272 pixels * Touch screen virtual keyboard for efficient user interface * Powered by a new 400 MHz 2443 processor * 4-Gigabyte data card containing databases for the entire S/Canada or the entire Europe region * Spare room for personal files * Easily connected to a home or work PC for quick downloads of files or new databases and uploads of flight plans * Logged flights can be viewed from programs such as Google Earth * Multi-use Aviation - Auto - Entertainment MP3 Player, Movie Player, Electronic Books, Photo Viewer and more * Multiple Bluetooth interfaces for cell phones, XM weather Receiver, Alternate GPS Receiver.

| Description | Part No. | Price |
|------------------------------------|----------|-------|
| AV8OR GPS - North / South America | 11-06623 | . |
| AV8OR GPS - International | 11-06624 | . |
| Accessories | Part No. | Price |
| Hard Copy Manual | 11-07815 | . |
| Battery 800MA with Bracket | 11-06936 | . |
| 120/220V AC Adapter | 11-06938 | . |
| Remote GPS Antenna | 11-06939 | . |
| Airgizmos Panel dock for the AV8OR | 11-07782 | . |
| Aviation Mount | 11-06940 | . |
| Auto Mount - Dashboard | 11-06941 | . |
| Auto Mount - Windshield | 11-06942 | . |
| Battery 1600MA | 11-06943 | . |
| RS 232 Cable | 11-06944 | . |
| 4GB SD Card Americas Database | 11-06962 | . |
| 4GB SD Card International Database | 11-06961 | . |



AV8OR™ HORIZON 3D COCKPIT INFORMATION SYSTEM

The Mobile Computer Platform MCP is a Tablet PC with a 7" high-resolution LCD display. This unit draws power from the aircraft's power supply and includes rechargeable batteries for wireless operation in the event of power loss. The unit can be mounted on the yoke or in any number of locations within the pilot's field of view.

The IN can be mounted on any level surface inside the aircraft such as under the passenger seat. The GPS-enabled Inertial Navigation Unit IN is a self-contained 3D solid-state inertial navigation sensor system with * AAS-enabled GPS receiver * 3D solid state gyros * Barometric pressure sensor * Battery backup * Bluetooth wireless interface

Equipped with built-in 3D Synthetic Vision and IFR approach plates, with optional satellite weather and 3D traffic.

Synthetic vision technology is poised to revolutionize IFR flight, dramatically reduce pilot workload and increase flight safety. By combining both positional and situational data, the pilot can be presented with a realistic and accurate representation of the view through the aircraft windshield.

Synthetic Vision Systems SVS integrate data from terrain databases, Advanced Features * True 3D Synthetic Vision * 3D emergency guidance to nearest airport * 2D moving maps with high-resolution terrain * Split-screen 3D/2D option * Touch and see moving map * Touch and drag map panning * Terrain awareness warning system view TA S * Built-in flight planning * D ATS flight plan importing * FAA approach plates * SIDS/STARS * Built-in barometric altitude option * Satellite weather option * Traffic avoidance option * Automatic preheating capability for colder climates * Built in notepad for fast copying of clearances. The XM Satellite weather unit provides near real-time NEXRAD weather data, TAFs, METARS, TFRs, and NOTAM information, which are essential to improving the pilot's decision-making. The receiver can be integrated with the AV8OR Vision 3D system via SB.

Depending on XM weather data subscription, the following information is available NEXRAD Freezing levels, METARS/TAFs Lightning, winds aloft Cloud tops

By integrating data from Zon XR, it displays 2D quadrant bearing, distance, and altitude information, as well as the world's first portable 3D Traffic View. The receiver can be integrated with the AV8OR Vision 3D system via SB.

| Description | Part No. | Price |
|---|----------|-------|
| AV8OR horizon 3D | 11-05997 | . |
| Accessories | Part No. | Price |
| Accessory Kit Includes Samsung Tablet Mount, IN Aircraft Mount Plate, Dual Power Supply | 11-06752 | . |
| GPS Antenna | 11-07018 | . |
| Dual horizon antenna GPS/XM | 11-07019 | . |
| Dual Ps for Motion Tablet/IN | 11-07020 | . |



AV8OR™ VISION 3D COCKPIT INFORMATION SYSTEM

Remote Touch Screen Display. Modular Mobile Computing Platform. Synthetic Vision Improving Situational Awareness Equipped with built-in 3D Synthetic Vision and IFR approach plates, with optional satellite weather and 3D traffic. Combining both positional and situational data, the pilot can be presented with a realistic and accurate representation of the view through the aircraft windshield. Advanced Features * True 3D Synthetic Vision * 3D emergency guidance to nearest airport * 2D moving maps with high-resolution terrain * Split-screen 3D/2D option * Touch and see moving map * Touch and drag map panning * Terrain awareness warning system view TA S * Built-in flight planning * D ATS flight plan importing * FAA approach plates * SIDS/STARS * Built-in barometric altitude option * Satellite weather option * Traffic avoidance option * Automatic preheating capability for colder climates * Built in notepad for fast copying of clearances.

Position information is provided by a state-of-the-art ARS/GPS built-in Attitude Reference System ARS with AAS GPS and Solid-State Barometric pressure sensor, a completely independent, battery backed. Integrated Technologies

WxWorx XM® Satellite Weather Unit - The receiver can be integrated with the AV8OR Vision 3D system via SB.

Zon XR PCAS™ Traffic Detection - By integrating data from XR, AV8OR Vision 3D displays 2D quadrant bearing, distance, and altitude information, as well as the world's first portable 3D Traffic View. The receiver can be integrated with the AV8OR Vision 3D system via SB.

| Description | Part No. | Price |
|--|----------|-------|
| AV8OR Vision 3D with D | 11-07012 | . |
| AV8OR Vision 3D with SSD | 11-07013 | . |
| Accessories | Part No. | Price |
| Accessory Kit Includes ICD-800 VISION Display Mount, VISION AC Mount, VISION AC DC Adapter cable 12ft, VISION AC AC Power Supply | 11-07021 | . |



WXWEATHER

WXWEATHER ASIC RECEIVER KIT - Price includes receiver only no power. Requires interface module. PN 11-06715 **\$433.95**

ACCESSORIES

| Description | Part No. | Price |
|---|----------|-------|
| PORTABLE ANTENNA - The XM antenna intercepts transmissions from XM X Satellite weather and feeds them to the receiver for decoding. The antenna comes complete with a 23ft. cable that feeds directly into the first generation or receiver via a FAKRA connector. NOTE For use with the original or receiver only. | 11-06716 | . |
| IGITA ANTENNA Code DMANT2 | 11-06717 | . |
| US INTER ACE Code SBMOD | 11-06718 | . |
| US INTER ACE Code POEMOD | 11-06719 | . |
| T INTER ACE Code POTMOD | 11-06720 | . |
| T INTER ACE Code RS232MODB | 11-06721 | . |
| RS 3 INTER ACE A 8OR Code RS232MOD | 11-06722 | . |
| X ON INGS SO T ARE - Includes a base install of latest version 1.37 as well as the mapping upgrade required for GPS connectivity. Code APS | 11-06722 | . |
| X ON ATER SO T ARE - Includes a base install of the program, as well as, the mapping upgrade required for GPS connectivity. Code PS | 11-06722 | . |
| XTUNES PACKAGE - Includes Tunes software and Audio Cable. NOTE This software is only available for the new receiver model RE X9ID. Code XT NES | 11-06725 | . |
| IGITA EXTERNA CA E - 25 ft. e tension cable for the XM Digital Antenna. Code EXT25 | 11-06727 | . |
| 0 IGITA EXTERNA CA E - 50 ft. e tension cable for the XM Digital Antenna. Code EXT50 | 11-06728 | . |
| A DIO CABLE Code A DCAB | 11-06729 | . |
| DC PO ER S PPL - 50 ft. e tension cable for the XM Digital Antenna. Code DCDC2 | 11-06730 | . |
| DC PO ER IT PL G Code DCDC2 GS | 11-06731 | . |
| AC PO ER S PPL Code ACDC2 | 11-06732 | . |
| PORTABLE ANTENNA Code PANT4 | 11-06734 | . |



XM DIGITAL ANTENNA

The complete antenna system for XM and XM X. Includes 50' cable and mount. P/N 11-06735

AV

LOWRANCE - GIPSI GPS - ANYWHERE MAP®



LOWRANCE 2000C COLOR GPS

Features •Large sunlight-viewable 5" diagonal, 256-color display with high-detail 320V 240 pixel resolution •Unique & exclusive glass-cockpit navigational screens •Exceptional Lowrance navigation precision, performance, and reliability •Marine and Automotive modes for total navigation versatility •Complete buy-&-fly package includes all accessories for air, land, & sea navigation. Included Accessories: • MapCreate™ mapping software (DVD) • MMC/SD Interface with USB • eppen Obstructions databases preloaded on a 32MB MMC/SD memory card • RAA-4 Remote Amplifying Antenna

| Description | Part No. | Price |
|--------------------------------------|----------|-------|
| Lowrance 2000C Americas with Terrain | 11-02824 | . |
| ACCESSORIES | | |
| Description | Part No. | Price |
| Portable Power pack | 11-02937 | . |
| AC Adapter 2000C | 11-03579 | . |
| Terrain S 512MB | 11-04282 | . |
| Power Data Cable | 11-19358 | . |
| Cigarette Power Adapter | 11-19352 | . |

LOWRANCE AIRMAP 600C



512MB Terrain Awareness Americas included with the eppen Americas and Lowrance Obstructions aeronautical databases, as well as the enhanced Safe Flight 21 Airport to iway map data. AirMap 600C comes complete with an MMC/SD digital card reader for hassle-free online eppen updates the eclusive MapCreate™ Topographical custom mapmaking CD Software a remote amplifying antenna AA batteries cigarette plug power adapter plus yoke and car mounts.

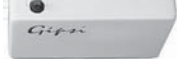
| Description | Part No. | Price |
|--------------------------------------|----------|-------|
| Lowrance AIRMAP 600C Americas | 11-04528 | . |
| Lowrance AIRMAP 600C International | 11-04614 | . |
| Accessories | | |
| Description | Part No. | Price |
| 600C Black holster | 11-04619 | . |
| 600C Cigarette Lighter Adapter | 11-04620 | . |
| 600C Remote Antenna | 11-04621 | . |
| 600C PC Data Cable | 11-04622 | . |
| 600C PC Cable with Cigarette Adapter | 11-04623 | . |
| 600C oke Mount | 11-04624 | . |
| Terrain 512MB America | 11-04282 | . |
| Terrain S 1GB | 11-04626 | . |
| Mapcrete TOPO | 11-04627 | . |
| Mapcrete TOPO CD Rom | 11-04628 | . |
| Mapcreate Canada | 11-04629 | . |
| Mapcreate Canada CD | 11-04630 | . |
| MMC Card SB | 11-04631 | . |

VFLITE AIRMAP 500/1000 INTERACTIVE GUIDE



Want to be able to use all the power that your AirMap 500 1000 GPS can offer ere sure you do - and that you d rather figure it out on the ground at your leisure instead of flying heads down trying to learn it . The new VFLITE guide on the feature-rich Lowrance portables will greatly reduce the frustration that often comes from reading the manual, enable you to learn in a safe environment and let you ma imize the investment you made in your AirMap. P/N 11-02760

GIPSI VOICE BASED GPS



The GIPSI is portable, voice based, Global Positioning System GPS device for General Aviation pilots. It allows you to maintain a much higher state of situational awareness. There is no heads down navigating. The interaction is very intuitive, it speaks to the pilot. The device does not require e tensive training. The pilot can focus on Flying the Airplane . It enables a pilot to create a flight plan with waypoints, on their computer and download it to the device. It automatically logs flight movement activity such as time stamped altitudes, airspeeds, track and bearing deviations as well as way points. It, at any time, can notify a pilot of e act location i.e. a here function the Nearest airport with name, bearing runway length, altitude and distance from current location. It stores in its database information on all nited States airports. A GPS receiver is embedded in the GIPSI circuitry. The unit operates off of, up to, twelve 12 satellites. For even higher accuracy the GIPSI uses the ide Area Augmentation System AAS . It weighs ust 3 ounces and measures 3-1/2 long by 2 high by 1 in depth. The device is controlled by a five 5 position oystick switch. It has a SB port that allows a computer connection for downloading and uploading information. The unit can also be charged via the SB connection. It ships with a wall charger as well as a cigarette lighter connector which can be used to charge the unit using either a 110V AC or 12V DC connection. There is a 3.5mm MP3 type plug for ear bud earphone. LEDs that indicate satellite strength are embedded in the case. P/N 11-07768

ANYWHERE TRAVEL COMPANION



Everything ou Need Built-In The ATC is a special version of the P iPA 310. It retains all of the functionality of the original iPA Travel Companion and adds to this a special EMBEDDED EDITION of Anywhere Map . Not only does the ATC s 4.3 ultra high-definition 800 480 screen give the best view ever in handheld devices, it's touch-screen operated, with big buttons and unlike many such products, there is nothing to load, nothing to initialize, no internal computer to operate ust turn it on and fly

The ATC is convenient and capable, including among its talents the patented cones of safety glide calculator, high resolution terrain, flight planning and obstacle and terrain warnings. Options include XM eather and Pocket Plates approach plates that provide the features and safety margin available on modern panel-mounted units, and then some. By pilots, for pilots, defines the eight years of intensive development that have resulted in the most intuitive navigation system that ever went into an airplane.

The ATC offers an advanced high-resolution terrain map, detailed aviation data including nav aids, airspace, airways, S As and TFRs, with advanced flight tools like a VNav SI, flight planning, weight balance, calculator, and an Airport Guide. Anywhere Map s Personal Digital Co-Pilot tracks your flight and issues Reminders like Switch Fuel Tanks and Begin Descent along with Obstacle and Terrainarnings.

System Includes

- Anywhere Map Travel Companion with built-in GPS
- Aircraft Mount
- Automotive Mount
- Smart Card
- Power Adapter 12V-40V
- AC Power Adapter
- 1GB SD Card Pre Installed

| Description | Part No. | Price |
|--|----------|-------|
| Anywhere Map Travel Companion | 13-06004 | . |
| Screen Protector for the Anywhere Map Travel Companion | 11-07025 | . |

ANYWHERE POC ET PLATES SOFTWARE



Pocket Plates Software with 6 months of pdates. Entire 12,000 page library of current NACO FAA approach procedures for the lower 48 states for display on a Pocket PC PDA computer, or indows laptop or tablet PC. Included with the plates are all ephemera performance, Arrivals and Departures. E act reproductions of current procedures as published by the Charting Office. Pocket Plates are updated online by subscription every 28 days. Satisfies requirements for Part 91 usage.

Real-time GPS Position - Pocket Plates contain all underlying fi es, intersections, airports and nav aids in map coordinate format. Plates are calibrated, a simple process that takes about ten seconds, consisting of identifying two ob cets on the plate such as a fi and the airport. Calibrated plates display real-time GPS position in flight.

Product components - Pocket Plates consists of a Plate Manager that installs on your laptop or desktop PC, and a Plate Viewer for displaying the procedures on a Pocket PC. The Plate Manager selects which plates you store on your Pocket PC or Tablet performs automatic Auto-Pilot pdates of the plate library, and prints our hard copies of plates as backup for specific routes.

Ease of use - Far easier to use in an aircraft than traditional paper books or cumbersome binders. Select approaches either by typing in an airport identifier or by tapping on geographic regions of the country. The procedure is intuitive and very fast and there are no fragile paper plates to remove from a binder.

Storage Options - The entire 12,000-page .S. plate library and the Plate Manager are stored on a indows PC in under 1 Gigabyte of disk space. Plates are stored for viewing on Pocket PC or Raven computers using a memory card. A 1-gigabyte card will store the entire library with about 200 MB left over. If your flights are typically restricted to a smaller geographic area, lower capacity storage cards may be used. Both Compact Flash and Secure Digital cards may be used for storage, depending on the facilities offered by the display device.

Compatibility - Pocket Plates is supported for Pocket PCs with ARM processors such as iPA s and Toshiba, and indows 2000/XP computers. It is not currently supported on Casio Pocket PCs.

P/N 11-02239

AV

AVMAP PORTABLE GPS

GEO PILOT II



GeoPilot II, the new portable navigator developed by AvMap based on the success of the GeoPilot, is high performance and truly affordable. More quality hardware and Software features have been added. GeoPilot II is faster than ever thanks to the new 300 MHz processor and is more compact and practical with the built-in GPS receiver and richer information. Large display, Safe Navigation - AvMap GeoPilot II displays all the information you need on a wide 5 color LCD. The display is sunlight-readable and equipped with a sensor for automatic brightness control. The information is sharp and bright and the map page is fully customizable. The large control buttons and unique toggle cursor control make navigating through menus and editing flight plans easy. Most Accurate Information - The maps preloaded on the SD memory card includes the Jeppesen navigation database with terrain and vertical obstructions. The Map also includes Victor Airways, marine objects, LM Aerodromes and private airports. This enhanced database provides more navigation and emergency nearest options. Enhanced Situational Awareness - Situational awareness is greatly improved with TA S Terrain Awareness Warning System. With the new Crossed Airspace Predictor function, you can get a preview of the airspaces that you will cross along your flight, while the Crossed Airspace Advisor provides warnings during the flight on airspaces being crossed. Multifunctional Navigate by Sky and and - AvMap GeoPilot II is engineered for aeronautical as well as terrestrial use as it can fit perfectly in your aircraft and in your car. With the optional 2GB SD Card preloaded with Tele Atlas Maps of all North America or Europe, GeoPilot II converts into an advanced car navigator with turn-by-turn vocal instructions. Hardware Dimensions mm 140 100 35.4 weight 390g Display LCD TFT 5 12.7 cm with audio - video input Display brightness 400 nits Automatic brightness control es Night Palette for night flying Display Colors 64 k Display resolution 320 240 pixels GPS Receiver Built-in Sif Star III 20 channels Processor Arm9 300MHz RAM 32 MB Memory Support Secure Digital SD 256 / 512 MB Battery Built-in Li-Ion rechargeable battery Power supply Charger 10/35 V DC Built-in Speakers External GPS antenna serial Port Operating System AvMap Software update Free 2D view Land Elevation color coded topographic map showing the altitude of the terrain Turn-by-turn vocal instructions with built-in speakers only for terrestrial navigation. Full flight planning capability up to 15 flight plans of up to 100 legs each Editable aircraft checklist, Trip computer, Full nav data Page, Full simulator functions, TA S - Terrain Awareness and Warning System es Crossed Airspace Predictor and advisor Integration with other on board navigation systems. Content of the box SD memory card External GPS receiver, Flexible holder with suction cup quick start guide

| Description | Part No. | Price |
|---------------------------------------|----------|-------|
| AvMap GeoPilot II | 11-05813 | . |
| AvMap GeoPilot II - European Database | 11-06249 | . |
| Accessories | | Price |
| AvMap European D/C Geopilot II | 11-06485 | . |
| GeoPilot world Data Card | 11-06486 | . |

GEOPILOT II PLUS



High Performance at an Affordable Price - The Geopilot II PL S, the new portable aeronautical navigator developed by AvMap, is highly performing but truly affordable. GeoPilot II PL S is faster than ever thanks to the new 300 MHz processor, more compact and practical with the built-in battery and GPS receiver, and an extra serial port available for connection with PC and autopilot devices. Large display, Safe Navigation - AvMap GeoPilot II PL S displays all the information you need on a wide 5 color LCD. The display is sunlight-readable and equipped with a sensor for automatic brightness control and an audio video input. The information is clearly visible and the map page is fully customizable. Weather Conditions - With an optional antenna you can receive constantly updated XM/ X weather conditions NEXRAD next generation radar, and Lightning information are displayed on the map. Enhanced Situational Awareness with the TA S GeoPilot II PL S displays your position in relation to surrounding terrain. With the new Crossed Airspace Predictor function, you can get a preview of the airspaces that you will cross along your flight, while the Crossed Airspace Advisor provides warnings during the flight on airspaces being crossed. Most Accurate Information - The cartography preloaded on the SD memory card includes the Jeppesen navigation database with terrain and vertical obstructions. The Map also includes and Victor Airways, marine objects, LM Aerodromes and private airports. This enhanced database provides more navigation and emergency nearest options. Multifunctional Navigate by Sky and and - AvMap GeoPilot II PL S is engineered for aeronautical as well as terrestrial use as it can fit perfectly in your aircraft and in your car. With the 2GB SD Card preloaded with Tele Atlas Maps of Europe or North America GeoPilot II PL S converts into an advanced car navigator with turn-by-turn vocal instructions SD included at no extra costs. Hardware Dimensions mm 140 100 35.4 weight 390g Display LCD TFT 5 12.7 cm with audio - video input Display brightness 400 nits Automatic brightness control es Night Palette for night flying Display Colors 64 k Display resolution 320 240 pixels GPS Receiver Built-in Sif Star III 20 channels Processor Arm9 300MHz RAM 32 MB Memory Support Secure Digital SD 256 / 512 MB Battery Built-in Li-Ion rechargeable battery Power supply Charger 10/35 V DC Built-in Speaker es External GPS antenna serial Port Operating System AvMap Software update Free 2D view Land Elevation color coded topographic map showing the altitude of the terrain Turn-by-turn vocal instructions es, with built-in speakers only for terrestrial navigation. Full flight planning capability up to 15 flight plans of up to 100 legs each Editable aircraft checklist, Trip computer, Full nav data Page, Full simulator functions, TA S - Terrain Awareness and Warning System es Crossed Airspace Predictor and advisor, Integration with other on board navigation systems, Full or split SI / RMI screen with data fields. Content of the box SD memory card, External GPS receiver, Flexible holder with suction cup, quick start guide

ACCESSORIES

AvMap X/XM Package P/N 11-07002.....

AV

AVMAP E P IV



The AvMap EKP-IV brings situational awareness to the next level in a portable moving map GPS. Featuring a new, more compact unit profile with an even LARGER and more brilliant color, sunlight-viewable LCD display. AvMap EKP-IV redefining portable GPS moving map systems. Features: • STILL the largest screen (7" diagonal) • Compact, sleek design (4.75"W x 7"L x 1.5"H) • Internal 12-channel GPS • Operates on aircraft 10 to 35-volt power supply. • Internal batteries for emergency use (up to 1.5 hours) • Jeppesen® NavData for the U.S., Canada, Central & South America. • Full flight planning capability (10 flight plans of up to 100 legs each) • Full or split HSI screens with data fields • Vertical navigation routing • Calculator functions: fuel, winds, timers, trip computer • Aircraft checklists • Full simulator functions • Data storage on Compact Flash cards • Integration with other onboard navigation systems, autopilot, GPS, external antenna

| Description | Part No. | Price |
|---------------------------------|----------|-------|
| AvMap EKP-IV Americas Data | 11-02837 | . |
| AvMap EKP-IV European Data | 11-05746 | . |
| AvMap EKP IV with or | 11-06738 | . |
| C A O R S P E C I A L P R I C E | | Price |
| Accessories | | Price |
| BNC to SMB Connector | 11-01275 | . |
| Spare Patch Antenna | 11-01276 | . |

| Accessories | Part No. | Price |
|--|----------|-------|
| Spare Power Cord | 11-01277 | . |
| Straight Power Cord | 11-02403 | . |
| World Data Card | 11-06487 | . |
| R-A-M EKP MOUNT S STEMS all include EKP back plate | | |
| Accessories | | Price |
| oke mount system-ad ustable clamp | 11-02382 | . |
| Floor mount system-12 fle arm | 11-02405 | . |
| Rail mount system-12 fle arm | 11-02406 | . |
| Tripod Combo mount syste-12 fle arm | 11-02407 | . |
| Air Gizmos Panel Dock for AVMAP EKP-IV | 11-04371 | . |

POWER OPTIONS

1 AC ADAPTER - This 12V AC adapter provides you with a perfect source for in-home flight planning and simulator use. Power your moving map from an 115v outlet and relax in the comfort of your home while you plan your favorite trip. P/N 11-01273.....

Go-Pack - For your portable power needs. The pack includes a 12v battery pack 4000 mAh NiMH, charger, padded case and military belt clip 1.4 lbs., single charge last up to 4 hrs P/N 11-00509.....

Jeppesen Nav Data C-card America - P/N 11-02395.....

Memory C-Card for the EKPIII only 2Mb user card P/N 11-02397.....

GARMIN



GPS ANNUNCIATORS



M 41-14 8A



M 41-1408A



With fingertip annunciation and flight information in the pilot's primary view, Annunciation Control Units (ACU) offer important features in an efficient design. As an interface with popular NAV and GPS systems, the ACU provides vital safety information including waypoint, vertical approach status and integrity alerting.

Approved to strict TSO standards, Mid-Continent ACUs are engineered as a compact, affordable solution to the challenge of installing several switches. Most versions are configured 14V or 28V with vertical or horizontal mounting and feature long-life lamps with automatic photocell dimming.

Approved to strict TSO standards, Mid-Continent ACUs are engineered as a compact, affordable solution to the challenge of installing several switches. Most versions are configured 14V or 28V with vertical or horizontal mounting and feature long-life lamps with automatic photocell dimming.

| GARMIN AAS ACU - GNC 4.0, GNS 430 30 | | | |
|--------------------------------------|---------------------------|----------|-------|
| Model No. | Configuration | Part No. | Price |
| MD41-1464A | horizontal, 14V head only | 10-02665 | . |
| MD41-1468A | horizontal, 28V head only | 10-02663 | . |
| MD41-1474A | Vertical, 14V head only | 10-02666 | . |
| MD41-1484 | horizontal, 14V AAS | 10-02657 | . |
| MD41-1488 | horizontal, 28V AAS | 10-02659 | . |
| MD41-1494 | Vertical, 14V AAS | 10-02660 | . |
| MD41-1498 | Vertical, 28V AAS | 10-02661 | . |

| GPS 400 00, GNC 4.0 0, GNS 430 30 | | | |
|-----------------------------------|-----------------------------------|----------|-------|
| Model No. | Configuration | Part No. | Price |
| MD41-1404A | horizontal, 14V head only | 10-02669 | . |
| MD41-1404A | horizontal, 14V with remote relay | 10-02670 | . |
| MD41-1408A | horizontal, 28V head only | 10-02678 | . |
| MD41-1408A | horizontal, 28V with remote relay | 10-02667 | . |
| MD41-1418A | Vertical, 28V head only | 10-02672 | . |
| MD41-1418A | Vertical, 28V with remote relay | 10-02671 | . |

GARMIN SL 30 NAV/COM RADIO



Powerful 760 channel comm radio with a 200 channel VOR, glidescope and localizer receiver. Built-in course deviation indicator may be displayed and the SL 30 interfaces with most common mechanical CDIs and ATIS. The SL 30 can be shipped for installation in any aircraft and does not require dealer installation.

Garmin SL 30..... P/N 11-03581
with harness..... P/N 11-05109

GARMIN SL 40 COM RADIO

Monitor ATIS while never leaving your assigned ATC channel. The SL



40 always gives priority to the active channel, meaning you'll never miss a transmission. With 10-watt transmit power and only 35-watt DC input, the SL 40 is power efficient and cool running.

Features 760 channels frequency range 118 to 136.975 MHz, tunes to National Weather frequencies, 16-character, high-intensity, alphanumeric LED display, transmit status indicator, capacity to store and recall 8 user-defined and previous frequencies.

P/N 11-02203

GARMIN GDU 375 & 370



Designed for retrofit installation in light sport, LSA and experimental/kitbuilt aircraft, the GDU 375 is a panel-mount multi-function display unit that provides a non-TSO d glass cockpit option at a very affordable price.

7-inch high-definition VGA flatscreen with dual redundant power inputs, mounts flush in the panel. Operation is simple. There's a handy rotary joystick cursor control for data entry, soft keys for mode selection, front-loading SD card slot for e-panels memory and updates, plus an easy-to-navigate G1000-like graphical user interface. Comes with Garmin FliteCharts and SafeTair pre-installed. There's also AOPA Airport Directory data that offers detailed information on over 7,400 U.S. airports, along with airports of entry for Canada, Mexico and the Caribbean. Weather or not.

The primary difference between the GDU 375 and its similar-looking sibling, the **GDU 370**, is that you get support for XM WX satellite weather with the GDU 375. XM subscription required. You also have the option to

add over 170 channels of high-quality XM Satellite Radio programming music, sports, news, talk and more for an additional monthly fee.

In the future, the GDU 375 will accommodate not only MFD capability, but flight and engine instruments as well. With the purchase of additional hardware, your MFD will also become a PFD providing attitude/directional guidance with ADA RS Engine monitoring. These additional components are scheduled to be available in the second half of 2009.

A single update of FliteCharts comes preloaded on the unit. FliteCharts will automatically disable when the data is over six months out-of-date six month period to commence when map is loaded in the factory. Each box will contain a certificate for one free current FliteCharts download. After the six month period, you must purchase a subscription for continuous FliteCharts chart availability.

| Description | Part No. | Price |
|-----------------------------------|----------|-------|
| GD 375 Americas Panel Mount | 11-07210 | . |
| GD 370 Americas Panel Mount no XM | 11-07211 | . |
| GD 370 Atlantic Panel Mount no XM | 11-07212 | . |
| GD 370 Pacific Panel Mount no XM | 11-07213 | . |

GARMIN GMX 200 MULTI-FUNCTION DISPLAY



For the ultimate in situational awareness, the GMX 200™ multi-function display leads the pack with a viewing area almost 20 percent larger than other panel-mounted MFDs and an impressive list of features and navigational interfaces.

Big-Picture Display - You'll always get the big picture with the GMX 200's sunlight-readable, high-resolution, 640 x 480, display. In addition to its huge AMLCD display, it comes with enhanced backlighting that dramatically improves color and contrast, resulting in chart depictions and images that are brighter and more vivid in all lighting conditions.

Big-Time Features - Similar to its predecessor, the MX20™, the GMX 200 is easy-to-use with multiple functions and useful features that make navigation simple and provide an extra margin of safety: • At a glance, see aircraft's position relative to terrain, obstructions, weather, airways, restricted airspace & more • Select between several charting options & add or remove details with the simple press of a soft key • New rotary knob allows for quicker map scale changes and entry of data • Front loading SD card-slot allows for expanded memory & makes loading updated charts uncomplicated • Fits in same panel space as the MX20 & includes more serial ports for added sensor capacity.

Detailed Data - Custom map with sectional-like depiction of the Lake Tahoe area. The GMX 200 includes high resolution terrain and hydrography data for the entire world which is preloaded for an unmatched presentation even at the lower zoom scales. The Garmin Base Map with cities, roads, rivers, and lakes has been added to further improve situational awareness. An aviation database featuring expensive NavData™ is used to draw airports, airways, nav aids, airspace, and more. Map scales range from one-fourth of a mile to a whopping 2500 miles. A unique split screen function allows you to simultaneously view two charting options along with the vertical profile for the elevation of the terrain along the route of flight. Split screen allows you to combine any two charting options with a vertical profile of the terrain. Custom map with airspace depictions near Johnson County Airport in Olathe IFR Enroute chart with high and low altitude airways.

Seamless Integration - With the addition of the GDL 69, you can add XM WX Satellite weather information to the GMX 200. Graphical weather depictions including NEXRAD, METARs, TAFs, TFRs, winds aloft, echo tops, precipitation type at the surface, lightning strikes, storm-cell data, AIRMETs, and SIGMETs can be received and displayed regardless of altitude. Combine animated NEXRAD images with the maximum zoom range of 2500nm and a nationwide view of the weather is presented on one screen. The GMX 200 also provides a user interface for the more than 150 channels of XM audio with the GDL 69A. Similar to the MX20, the GMX 200 comes in three versions - Standard, Traffic, and Radar/Traffic.

GMX 200 Traffic supports interfaces to Garmin TIS transponders and ADS-B transceivers, and can also be connected to certain TCAS 1 TAS systems.

GMX 200 Radar Traffic supports traffic interfaces and can also be interfaced with Garmin's G X 68™, a new color digital weather radar with 6.5 K of transmit power. When connected to the G X 68™, the Radar/Traffic model displays real-time weather ahead of the aircraft supporting both horizontal and vertical perspectives.

The GMX 200 may be interfaced with the Garmin 400/500 series, GNS 480™, Garmin GDL 69/69A, Garmin GTX 330/33™, Garmin GDL 90™, Garmin G X 68, as well as many other manufacturers GPS navigation equipment.

GMX 200 must be installed by a Garmin Dealer. Can only be sold over the counter to experimental aircraft. Must verify with harness. Request for quote.

| | | |
|-----------------------|----------|-------|
| GMX 200 Standard | 11-04547 | ..... |
| GMX 200 Traffic | 11-04657 | ..... |
| GMX 200 Radar | 11-04658 | ..... |
| GMX 200 Radar/Traffic | 11-04660 | ..... |





GARMIN GNS 530W

The GNS 530 is an all-in-one GPS/Nav/Comm solution. It features a AAS-certified GPS, 2280-channel capacity comm and 200-channel ILS/VOR with localizer and glideslope. High-speed 5 z processing makes navigation calculations and map redraw rates five times faster than earlier GNS series navigators.

Built-in AAS navigation capabilities. It is approved to fly LPV glideslope approaches without reference to ground-based nav aids of any kind. An advanced 15-channel receiver capable of five position updates per second, GNS 530 meets the FAA's stringent TSO C146a standards for AAS sole means navigation providing vertical and lateral approach guidance into thousands of .S. airports previously inaccessible in IFR conditions.

GNS 530 s 5-inch high-contrast display with brilliant colors makes it easy to read and interpret pilot-critical information. Conveniently scan information from wide viewing angles, even in direct sunlight.

Integrates built-in terrain and navigation databases. The 530 s huge Jeppesen database, updated with front-loading data cards, contains location reference for all airports, VORs, NDBs, Intersections, Flight Service Stations, published approaches, SIDs/STARs, Special Use Airspace and geopolitical boundaries. A detailed basemap shows airports, cities, highways, railroads, rivers, lakes, coastlines and more.

- GNS 530 GPS/NAV/COM.....P/N 11-00550.....
- GNS 530 with harness E per. A/C ..P/N 11-06747.....
- GNS 430 /530 wiring harness.....P/N 11-06749.....
- Navshield 530 Screen Protector.....P/N 05-04227.....
- Flight Plan Migrator Kit.....P/N 11-07592.....
- Flight Plan Data Card.....P/N 11-07593.....



GARMIN GNS 430W

All-in-one GPS/Nav/Comm solution. It features a AAS-certified GPS, 2280-channel capacity comm and 200-channel ILS/VOR with localizer and glideslope. High-speed 5 z processing makes navigation calculations and map redraw rates five times faster than earlier GNS series navigators.

Built-in AAS navigation capabilities. It is approved to fly LPV glideslope approaches without reference to ground-based nav aids of any kind. Featuring an advanced 15-channel receiver capable of five position updates per second, GNS 430 meets the FAA's stringent TSO C146a standards for AAS sole means navigation providing vertical and lateral approach guidance into thousands of .S. airports previously inaccessible in IFR conditions.

4-inch high-contrast display with brilliant colors makes it easy to read and interpret pilot-critical information. Conveniently scan information from wide viewing angles, even in direct sunlight.

Integrates built-in terrain and navigation databases, providing a clear, concise picture of where you are and where you're heading. The 430 s huge Jeppesen database, updated with front-loading data cards, contains location reference for all airports, VORs, NDBs, Intersections, Flight Service Stations, published approaches, SIDs/STARs, Special Use Airspace and geopolitical boundaries.

- GNS 430 GPS/NAV/COM.....P/N 11-06748.....
- GNS 430 with harness E per. A/C ..P/N 11-06750.....
- GNS 430 /530 wiring harness.....P/N 11-06749.....
- Navshield 430 Screen Protector.....P/N 05-04224.....
- Flight Plan Migrator Kit.....P/N 11-07592.....
- Flight Plan Data Card.....P/N 11-07593.....

The Garmin GNS 30 430 can only be sold over the counter to experimental aircraft must verify with harness. or certified aircraft, it must be installed by a Garmin dealer.

price of installation not included

JEPPESEN INTERACTIVE 530/430 TRAINERS



Computer based training program for the pilot who wants an audio-visual, hands-on way to quickly master the Garmin 530/430 GPS. Windows and Mac compatible.

- Jeppesen GNS 530/430 Advanced.....P/N 13-05645.....
- Jeppesen GNS 530/430 Interactive.....P/N 13-05644.....
- Jeppesen GNS 530/430 Training.....P/N 13-05646.....



GARMIN GI 102A & GI 106A CDI'S

The GI 102A and GI 106A course deviation indicators CDI from Garmin feature rectilinear meter movements, resolver output for GPS interface, and internal GPS mode annunciation VLOC. Works with the Garmin 430, 530, SL 30. The 102A is VOR/LOC CDI and the 106A is VOR/LOC/GS CDI. Size 3.25 w 3.25 h 4.625 d. The GI 102 is designed for VFR use. The GI 106A is designed for IFR installations.

- GI 102A CDI.....P/N 11-18980.....
- GI 106A CDI.....P/N 11-05768.....

Call for Special Price

GARMIN GTX 330 MODE S TRANSPONDER



A Level 2 Mode-S transponder with exciting datalink traffic capabilities. Sharing the same keypad digital display with the popular GTX 327, the GTX 330 adds

to the features with an outside air temperature display temp. input required, altitude monitor with voice audio alert, and density altitude computations temperature input required. But the real excitement lies in the GTX 330's datalink traffic capabilities through the FAA's Traffic Information Services. GTX 330 promises to deliver effective traffic information to the GA cockpit in busy terminal environments at a fraction of the cost of current traffic systems. The TIS system is available through 124 Mode-S Traffic Control radar sites throughout the .S. Aircraft within a 60nm expected to increase to 90 nm radius of a Mode-S radar site will receive traffic advisories and warnings from ATC via Mode-S datalink, and this info will be displayed on Garmin 400/500 series products. This system will display 8 nearest targets within a 7nm radius and ±3,500 feet of the aircraft. Pilots will receive both visual traffic information via 400/500 series products and radio alerts of traffic in the area. The GTX 330 meets all requirements of the Mode-S mandate in Europe, which requires Mode-S for IFR traffic by 2003 and all VFR traffic by 2005. GTX 330 will be offered in diversity non-diversity models to meet the requirements of a variety of aircraft and operations. The GTX 330D diversity model is the first panel-mount diversity-model transponder available. 2 year warranty.

| Description | Part No. | Price |
|---------------------------------------|----------|-------|
| GTX-330 Mode S Transponder | 11-01252 | . |
| GTX-330 Mode S Transponder w/ harness | 11-05893 | . |

GARMIN GTX 327 MODE C TRANSPONDER



With the intro of the GTX 327, Garmin revolutionizes a part of the panel that has been long overlooked. This full-featured, TSO certified transponder brings a unique level of functionality and utility to your airplane.

Its solid state transmitter provides 200 watts nominal power output and eliminates the need for a cavity tube which will eventually fail and require expensive replacement. And since the GTX 327 design is 100 solid state there is no warm up time, lower power consumption and lower heat emission. All of which translates to a longer service life. Some of the GTX 327 biggest features are the easiest to see. Among them, the easy-riding DSTN Liquid Crystal Display which reverses yellow numbers out of black for optimal viewing. An innovative keypad makes entering a squawk code a snap. And a dedicated VFR button allows for quick and easy 1200/VFR squawking. The GTX 327 also offers two important timing functions.

The first screen shows the current time and count up timer. The second indicates flight time and a count down timer. Together they represent a whole new standard in transponder utility.

- GTX 327 with harness.....P/N 11-00329..... 1895.00
- GTX 327 Transponder only.....P/N 11-00342..... 1695.00

The GTX 3 7 can be sold over the counter to certified & experimental aircraft owner s with a pre-wired harness.

GARMIN GTX 320A MODE C TRANSPONDER



The GTX 320A is a full featured, compact, panel mounted Class 1A transponder. GTX 320A's solid state transmitter provides 200 watts

nominal power output eliminating the need for a cavity tube that can degrade with time, fail, or require expensive replacement. 100 solid state also means no warm up time, reduced power consumption and heat for longer service life. Extensive utilization of surface mount technology provides shallow depth and light weight which simplifies installation in the tightest spaces. 14 or 28 volt operation is available without the requirement for external voltage converters or dropping resistors. The GTX 320A fits into existing installations of selected Narco, King transponders using optional adapters for simple, cost-effective upgrading. A single board design allows for ease of serviceability and simple, standard, four-knob tuning.

- GTX 320A Transponder.....P/N 11-18965.....
- GTX 320A with harness.....P/N 11-18965-K.....
- Optional Narco Adapter Kit.....P/N 11-07720.....
- Optional King Adapter Kit.....P/N 11-07721.....

The GTX 3 0A can be sold over the counter to certified & experimental aircraft owner s with a pre-wired harness.

NOTE The GTX 330, GTX 3 7 & GTX 3 0A DO NOT include an antenna. Experimental Aircraft can order TE Transponder antenna P/N 11-17 for .

GARMIN

GARMIN NOH GNC 300XL TSO GPS/COM



The GNC 300XL combines go-anywhere GPS flight navigation with full 760-channel V F communications. On the Comm side, a full powered 760 channel transceiver with 5 minimum transmit power delivers crisp, clear cockpit audio and voice transmissions. Comm features auto-squelch control, standard headset output with sidetone and audio leveling, stuck mike transmission timeout, emergency channel select and autotune freq. selection from database card. The Nav side features Garmins easy-to-use PhaseTrac 12 parallel channel GPS receiver. waypoint library holds up to 1,000 user-defined waypoints and stores up to 20 reversible flight plans with up to 31 waypoints each. eppen NavData database includes S As, MSAs, airports, VORs, NDBs, intersections, plus airport, FSS and center frequencies, nearest search of 9 airports, VORs, NDBs, intersections and user waypoints and 2 nearest FSS and ARTCC frequencies and all published GPS and GPS overlay approaches, SIDs and STARs. eight nit 41 oz, Rack 11 oz. Size 6.25 2 5.65 1.4 volt 28-volt with optional converter. TSO d NO GNC 300XL Americas North..... P/N 11-02934 *Please call for other database models.

ANNUNCIATORS FOR GPS 155XL/GNC 300 (XL)

| Model No. | Description | Part No. | Price |
|-----------|-------------------------------------|----------|-------|
| MD41-444 | horizontal, 14V with internal relay | 11-00967 | . |
| MD41-448 | horizontal, 28V with internal relay | 11-00968 | . |
| MD41-454 | Vertical, 14V with internal relay | 11-00969 | . |
| MD41-458 | Vertical, 28V with internal relay | 11-00970 | . |

GARMIN GNC 250XL GPS/COM



The GNC 250XL GPS/Comm features a PhaseTrac 12 GPS receiver tracking 12 satellites simultaneously. Features include emergency search, 1000 user defined waypoints, 20 reversible routes, checklists, messages, true airspeed, winds aloft, 14 moving map scales, and complete eppen database showing S Class B and C airspace, all S As, MOAs, prohibited and restricted areas, and much more. Size 6.25 5.8 2 t 41oz. Furnished complete with GPS antenna, Rack, connectors. Includes 760-channel 5 transceiver. Call For Special Price

- GNC 250XL Americas North.....P/N 11-18901
- GNC 250XL Int lP/N 11-18902
- Accessories for the GNC 0X & 300X
- Remote NiCad Batt/ChgrP/N 11-18905
- 115 / 230 VAC adapterP/N 11-18906
- Personal Computer Kit.....P/N 11-18907
- ser Data cardP/N 11-18908
- 28 to 14 VDC ConverterP/N 11-18909

GARMIN NOH GPS 155XL TSO GPS



Standard configuration includes GPS 155XL receiver TSO d to C129a, Class A-1 with eppen datacard, aviation installation kit including low profile TSO antenna, pilots guide uick Reference Guide. Features include: • Panel mount with 12 parallel channel GPS receiver • 80 x 240 super bright transfective DSTN display with moving map scaleable from 0.5 to 300 NM • Accuracy to 15 meters • Waypoint library holds up to 1,000 user-defined waypoints • Jeppesen® America's Nav Data database • Nearest search of 9 airports • 11 to 33 volts • Internal battery protects stored data up to 5 years • Size: 6.25" x 2" x 5.65" • Weight: Unit: 33 oz. Rack: 11 oz. GPS 155XL NO Americas..... P/N 11-05939



GARMIN GNC 150XL GPS

The Garmin GPS 150XL features a Phase Trac 12 channel GPS receiver tracking 12 satellites simultaneously. Features include emergency search, 1000 user defined waypoints, 20 reversible routes, checklists, messages, true airspeed, winds aloft, 14 moving map scales, and a complete eppen database showing S Class B and C airspace, all S As, MOAs, prohibited and restricted areas, and much more. Size 6.25 5.8 2 . t 41 oz. Furnished complete with GPS antenna, Rack, and connectors. Call For Special Price This unit is unrestricted for mail order.

- GPS-150XL Americas NorthP/N 11-18950
- GPS-150XL InternationalP/N 11-18951
- Accessories for the GPS 1 X and 1 0X
- Remote NiCad Batt/Chgr.....P/N 11-18905
- 115 / 230 VAC adapter.....P/N 11-18906
- Personal Computer KitP/N 11-18907
- ser Data cardP/N 11-18908

GARMIN GMA 240 AUDIO PANEL



Non-TSO d so it s priced really low. et, it includes an intercom and will support dual COMM, dual NAV, dual A X receivers, and dual music au-

dio inputs plus up to three unswitched inputs for telephone ringers, altitude alerts, or other warning tones. Pilots can connect up to two dedicated music sources to the rear connector e.g. XM music and CD player and over-ride one of those sources at any time by plugging-in a device e.g. MP3 player into the 2.5 mm front ack. The music source s volume can be increased or decreased with the GMA 240 by pulling out the copilot volume knob. The 2.5 mm front ack also makes it easy for pilots to make and receive cell phone calls. It has a full-duple telephone interface with intercom isolation capability. Specifications * eight 15.5 oz 440 g * Dimensions 1.3 6.29 7.12 * Power Input voltage range 11-33 Vdc, 4.3 normal * Temperature range -20C to 55C * Altitude 55,000 MSL unpressurized * Transceiver inputs 3 including TEL * Receiver inputs 4 * Alert inputs 3 * Input impedance 500 Ohms * Input isolation 60 dB min * Bandwidth 100 z to 6.5 k z * Music inputs stereo 2 * Music gain -20 dB min. volume, 26 dB ma . volumeP/N 11-06619

GARMIN GMA 340 AUDIO PANEL



The Garmin GMA 340 audio panel is compact and lightweight, making it an ecellent choice for panels with limited space. Audio panel features include 3 transceiver inputs, 5 receiver inputs, and 2 unswitched inputs. The intercom provides 6 positions, 3 volume controls, 2 VOX level controls, 6 VOX circuits, and 2 stereo music inputs. This unit features 3 stereo headphone outputs and 2 speaker outputs, and the marker beacon receiver features input impedance of 50 ohms. Size 6.8 d 6.29 w 1.3 h. Power req. 11-33 VDC GMA 340 Audio Panel.....P/N 11-18960

GMA 340 with arnessP/N 11-07172

GMA 340 arness OnlyP/N 11-07170

The Garmin GMA 340 an GMA 40 can only be sold over the counter with the harness.

GARMIN GMA 347 AUDIO PANEL



The GMA 347 audio panel builds upon the successful attributes of the GMA 340 while adding benefits such as automatic squelch, digital clearance recorder, and a full-duple telephone interface. Automatic squelch option makes the entire audio e perience quieter and clearer. Can also retain the manual squelch ad ustment feature. Three more unmuted, unswitched inputs with individual volume control. Automatic digital clearance recorder. Continuously captures the last two and one half minutes of audio switched through the panel. Can replay the necessary information by simply pressing the play button. It has a full-duple telephone interface with intercom isolation and disable capability. This feature allows private telephone calls by the pilot or copilot, or multi-party calls with crew and/or passengers. Integration of the G1000 s configuration module . If the audio panel is ever removed, all of the pilot s preferred settings are automatically loaded into the unit.

- Garmin GMA 347 Audio PanelP/N 11-04314
- Garmin GMA 347 w/ harness 4PLCP/N 11-07743
- Garmin GMA 347 Connector Kit.....P/N 11-05656
- Garmin 347 Install TrayP/N 11-05657



HONEYWELL



SILVER CROWN KX 165 NAV/COM

Solid state, 760 frequency COMM transceiver, 200-channel NAV receiver, 40 channel glidescope receiver and built-in VOR converter, 10, 14V. Simultaneous, digital, gas-discharge display of active and standby NAV COMM frequencies or select digital display of radial from the VOR or VORTAC in lieu of standby NAV frequency. Push button frequency flip-flop. Meets DO-156 frequency selectivity requirements.

- 14V.....P/N 11-03399.....
- 28V.....P/N 11-00199.....

SILVER CROWN KX-165A NAV/COM SYSTEM



Large, self-dimming, microprocessor-controlled gas discharge readouts and solid-state electronic tuning provide fast, accurate selection of all 200 Nav 760 Comm frequencies. On the COMM side, the KX165 system gives you 10 minimum transmitter power for maximum range and clarity. And on the NAV side, the KX165's useful Radial feature offers you an instant readout of the radial you're on from the active VORTAC station, digitally displayed in the standby NAV frequency window. The KX-165A is TSO'd and offers 32 channels of comm frequency memory, an additional CDI mode. The GPS Quick Tune feature allows the pilot to select and remotely tune the standby comm nav freq. from the KLN94 GPS 28V...P/N 11-00644.....

SILVER CROWN KX-155 / 155A NAV/COM



The KX155A gives you access to all 200 NAV and 760 COMM frequencies, along with its optional 40-channel glidescope. In addition to its standard use offering both active and standby navigation and communications frequencies, the KX 155A incorporates a number of new control features. Program up to 32 COMM channels. Pre-selected frequencies are stored in a non-volatile memory circuit, eliminating the need for backup battery power. Other new features include a bearing-to-station mode and a radial-from-station mode. An internal Course Deviation Indicator CDI has been included for such times as when the external CDI is being driven by your GPS receiver, and the system now includes a handy elapsed-time and approach timer. On the COMM side, the KX 155A system gives you 10 minimum transmitter power.

- KX-155 w/o Glide Slope 14V P/N 11-00868.....
- KX-155 w/o Glide Slope 28V P/N 11-00869.....
- KX-155 w/Glide Slope 14V P/N 11-00871.....
- KX-155 w/Glide Slope 28V P/N 11-00872.....
- KX-155 NAV w/KI208 Indicator 14V P/N 11-03403.....
- KX-155 w/GS KI209 Indicator 14V P/N 11-03404.....
- KX-155 w/GS KI209 Indicator 28V P/N 11-03406.....
- KX-155 NAV w/KI208 Indicator 28V P/N 11-03405.....
- Approach KX-155 NAV Cable P/N 11-05668.....
- KING KX155A 28V w/ Install No GS P/N 11-04404.....
- KING KX155A 28V w/ GS Install..... P/N 11-04405.....
- KING KX155A/KI209A w/ GS P/N 11-04406.....

CROWN KX-125 DIGITAL NAV/COM



The KX-125 is ideal as a replacement radio, a primary system for homebuilts or a very affordable back-up. Despite its low price, it comes with a complete list of features. For example, its COMM section provides 760 frequencies, flip-flop frequency selection, a built-in audio amplifier with sidetone and audio leveling, direct tuning, stuck-microphone alert, and even remote transfer of both COMM and NAV frequencies. Its separate NAV section offers 200 frequencies, including localizer.

- 14V.....P/N 11-03402.....
- with antenna....P/N 11-05026.....

CROWN KI SERIES INDICATORS



The KI203, KI208, KI204, KI209 indicators feature an internal VOR/LOC converter and are compatible with the KX155 transceiver. The KI203 KI204 have rectilinear meter movement, while the KI208 KI209 feature pivot needle action. The KI206 has rectilinear meter movement and works with the KX165 KNS80.

- The KI209 includes GPS interface capability. Size 3.125 x 8 D x 1.5 lbs.
- KI203 NAV Indicator P/N 11-03407.....
- KI204GS Indicator P/N 11-03408.....
- KI209A GS Indicator..... P/N 11-03409.....
- KI208 NAV Indicator P/N 11-00876.....
- KI209 GS Indicator P/N 11-00878.....
- KI206 GS Indicator..... P/N 11-04209.....
- Approach KI204 Indicator Cable P/N 11-05669.....

CROWN KY 96A & KY 97A COM



With the anticipation of additional frequency allocations, Bendi / King has designed the K 96A and K 97A to operate on 760 frequencies from 118.00 M z to 136.975 M z. You can switch between active and standby frequencies. Simply tune the desired frequency into the standby window STB while monitoring the SE channel-when the time is right, simply push the frequency transfer button to transfer the standby frequency into the active window. A remote switch may be installed as an additional means of providing the flip-flop function. Up to nine channels can be easily programmed by the pilot into the memory of the K 96A or K 97A. The K 96A K 97A remember displayed frequencies and stored frequencies without batteries or external hookup during power shutdown or in the event of a power interruption and have an easy-to-read, illuminated LCD display.

- K 96A-61 28V P/N 11-03411.....
- K 96A-61 28V with antenna P/N 11-03849.....
- K 97A-61 14V P/N 11-03410.....
- K 97A-61 14V with antenna P/N 11-05028.....
- Accessories
- King Install Manual K 96A/97A P/N 11-18005.....
- K 96A/K 97A Install Manual CD P/N 11-02374.....
- Antenna ON for K - A P/N 11-04021.....
- Approach K 96A/97A COM Cable P/N 11-05666.....

CROWN SERIES KT-76A MODE C TRANSPONDER



The KT76A is a panelmount, class 1-A transponder and provides maximum performance at any altitude up to 35,000 ft. A compact unit with Large Scale Integrated LSI circuitry, reducing both weight and power requirements. All Mode A Mode C transponders perform the same functions: replying to radar interrogations, providing Air Traffic Control ATC with positive identification, and showing your ground speed on the Controller's radar monitor. If you have an encoding altimeter or blind encoder, the transponder will transmit your altitude as well.

- KT76A 06 14V Transponder P/N 11-02438.....
- KT76A 06 14V with antenna P/N 11-02436.....
- 28V Dropping Resistor P/N 11-00913.....

KING SILVER CROWN KT-76C MODE C TRANSPONDER



The KT-76C is the finest panel-mounted Mode A/C transponder to allow for sequential push-button squawk code entry. To ease pilot workload, the push of a single button switches to a user-preset VFR code, such as 1200. Best of all, its bright microprocessor-driven gas plasma display is easily read in all light levels. The new unit features a bright, gas plasma display that shows the selected transponder code and, in a new feature, the encoder altitude output. The KT 76C will fit directly into the existing location of a KT 76A. However, in 28V installations the existing dropping resistor must be bypassed. Unit operates from 11-33VDC. Available with or without antenna.

- without Antenna..... P/N 11-03413.....
- without Antenna with antenna..... P/N 11-05034.....
- with KA 60 Antenna without antenna..... P/N 11-03414.....
- with KA 60 Antenna with antenna..... P/N 11-05033.....

SILVER CROWN KY 196A & KY 197A COM



This unit measures a trim 1.3 x 6.3 and weighs just 2.8 lbs. The 28V K 196A delivers 16 minimum transmit output power and the 14V K 197A delivers 10 minimum transmit output power. Both units incorporate solid-state construction, with a digital frequency synthesizer generating all COMM frequencies. Despite their wide range of capabilities, the K 196A and K 197A were designed to be easy to read and logical to operate. For example, the active frequency is clearly distinguishable from the standby, with both displayed in separate, dedicated windows. Total frequency storage capacity is eleven, including those in SE and STB. The 118.00M z to 136.975M z range of the K -196A K -197A provide 760 COMM frequencies. An audio leveling feature automatically amplifies weak audio signals and mutes strong signals.

- K 197A 14V P/N 11-03848.....
- K 196A 28V Silver Series..... P/N 11-03415.....
- K 196B 8.33 K Com Transceiver P/N 11-03417.....

AV

HONEYWELL AVIONICS

CROWN KLX 135 GPS/COM

With unmatched GPS accuracy, Direct-To operation, built-in CDI output and a host of other pilot-friendly features, the King KLX-135 provides the navigation capability you expect from the leader in panel-mounted avionics. Key features include storage capacity for up to 250 user-defined waypoints and as many as ten flight plans of up to 20 waypoints each, an OBS mode for flying specific radials/bearings and supplemental calculations for estimated distance, bearing, time to fuel. KLX-135A includes a moving map display of flight plan waypoints, nav aids, and special use airspace, in addition to an enhanced high contrast LCD display for easy readability.

| Description | Part No. | Price |
|---|----------------|-------|
| KING KLX 135A Americas 14V | 11-03391 | . |
| KING KLX 135A Americas 14V with harness | 11-02018 | . |
| KING KLX 135A Americas 14V Unit Only *Antenna NOT included | 11-02582 | . |
| KING KLX-35A ATLANTIC 14V | 11-03389 | . |
| KING KLX 135A Atlantic 14V / harness | 11-02724 | . |
| KING KLX 135A PACIFIC 14V | 11-03390 | . |
| Accessories | Part No. | Price |
| KLX 135A PILOTS GUIDE | 006-08789-0000 | . |
| KING INSTALL MANUAL KLX 135A | 006-10500-0003 | . |



CROWN KMD 150 COLOR MULTI-FUNCTION DISPLAY GPS

With its big, 5" diagonal screen, the KMD 150 offers broad coverage to make flying easier. Combining aeronautical and cartographic mapping with GPS navigation information, it also provides a range of additional display capabilities, from airports, NDBs, intersections, VORs, special-use airspace, rivers, roads, lakes, cities, railroad tracks and towers, to X-500 Stormscope data. Built-in GPS receiver for total situational awareness. Packed with powerful features, the KMD 150 includes a customizable aeronautical database, along with a comprehensive roads and rivers cartographic package. A wide viewing angle and pilot-friendly operation system make it easy to use.

| | | |
|------------------|--------------|-------|
| America w/ GPS | P/N 11-00046 | ..... |
| Americas w/o GPS | P/N 11-00044 | ..... |
| Pacific w/ GPS | P/N 11-03395 | ..... |
| Pacific w/o GPS | P/N 11-03396 | ..... |
| Atlantic w/ GPS | P/N 11-03397 | ..... |
| Atlantic w/o GPS | P/N 11-03398 | ..... |



SILVER CROWN KMD 250

The KMD 250 is intended for piston singles. The MFD offers most of the advantages of the KMD550 and 850 displays but without the radar and terrain awareness and warning system TAWS interfaces, systems the vast majority of singles don't need. KMD 250 is slightly smaller than the 550 or the 850. With a 3.8" diagonal display, compared with the 5" screen of the KMD 550, the size difference is slight. The 250 measures 3" high, compared to 4" for the 550. The software and remaining capabilities on the KMD 250 are nearly identical to those on the KMD 550, so pilots familiar with one of Honeywell's other MFDs will have an easy time transitioning to the new hardware. TSO Certified.

| | | |
|---------------------------|--------------|-------|
| America with GPS harness | P/N 11-05165 | ..... |
| America with harness | P/N 11-05167 | ..... |
| Pacific with harness | P/N 11-05168 | ..... |
| Atlantic with GPS harness | P/N 11-05169 | ..... |
| Atlantic with harness | P/N 11-05170 | ..... |

CROWN KLN 35A GPS

The KLN 35A is a standalone GPS identical to the KLX 135A except without the COMM transceiver. The KLN 35A provides accurate satellite navigation capability with moving map displays for increased situational awareness. It features expensive NavData for data base updates via 3.5" diskette. The moving map display shows flight plan waypoints, nav aids, and special use airspace, and the KLN35A has enhanced, high contrast LCD display for optimum readability. The KLN 35A is an outstanding GPS value with the Bendi /King reputation for quality avionics products.

| | | |
|------------------------------|--------------|-------|
| KLN 35A Americas | P/N 11-03394 | ..... |
| KLN 35A Atlantic | P/N 11-03392 | ..... |
| KLN 35A Pacific | P/N 11-03393 | ..... |
| KLN 35A America with harness | P/N 11-02719 | ..... |
| KLN 35A America Unit Only | P/N 11-02730 | ..... |

SILVER CROWN KMA 24 AUDIO PANEL



Bendi /King's easy-to-use KMA 24 systems are self-contained, all solid-state and stand only 1.3" high in your Silver Crown stack. The slant top package tailors it for the top slot in your instrument panel. KMA 24 controls as many as 3 transceivers and 6 receivers, including the internal marker beacon receiver and its automatically dimmed 3-light presentation. KMA 24 controls up to 5 transceivers and 5 receivers, or 4 transceivers and 6 receivers. KMA 24 includes the internal marker beacon receiver VOX intercom, which provides unprecedented flexibility.

| | | |
|----------------------|--------------|-------|
| KMA 24 with F | P/N 11-03841 | ..... |
| KMA 24 with F Auto | P/N 11-03381 | ..... |
| KMA 24 with Tel Auto | P/N 11-03382 | ..... |

SILVER CROWN KMA28 AUDIO PANEL



The KMA 28 provides aircraft owners with a state of the art isolation amplifier and audio selector incorporating an automatic voice-activated-transmit VOX intercom system. Features include 6-place stereo intercom IntelliVoX Automatic Squelch Adjustment Dual High-fidelity Stereo Inputs 2 Split Modes Com1/2 2/1 3-Light Marker Beacon Built-in SoftMute Audio Playthrough of Music Stereo Entertainment Inputs.

| | | |
|---------------------------------------|--------------|-------|
| KMA 28 - Audio Panel only | P/N 11-00570 | ..... |
| KMA 28 - Install Kit Only | P/N 11-00571 | ..... |
| KMA 28 System audio panel/install kit | P/N 11-00569 | ..... |

CROWN KA 134 AUDIO PANEL



Features: • Solid state unit containing functions of an isolation transmitter and an audio control panel • Models available that operate on 14 or 28V without power supply section • International model available with third COMM switching function for F transceiver operation (labeled F instead of EXT, no electrical changes) • Push-button • Flat pack configuration measures only 1" in height • can be integrated into 500Ω output audio system • Can control as many as 3 transceivers and 5 receivers • Can be used as passenger address, ramp hailer, or intercom • Can be coupled w/KR-22 Marker Beacon Receiver/Lights to provide complete audio panel/marker package • 14 or 28V operation • TSO'd

| | | |
|------------------------------|--------------|-------|
| Install Kit KA 134 / harness | P/N 11-00087 | |
|------------------------------|--------------|-------|

CROWN KR 22 AUDIO PANEL



The Bendi /King KR 22 Marker Beacon Receiver is a fully independent panel-mounted unit with its own audio output and self-test feature. The unit is all solid-state, and its compact size makes it an easy fit in virtually any panel. A crystal-controlled superheterodyne receiver and 3-light presentation ensures that the KR 22 will give precise visual and aural indications of marker beacon passage. Excellent receiver selectivity eliminates interference. Headphone audio is provided, or if speaker output is desired, the KR 22 may be interfaced with the KA 134 or other audio control panel.

| | |
|--------------|-------|
| P/N 11-03843 | |
|--------------|-------|

AV

HONEYWELL KITS - NARCO

KING INSTALLATION KITS

| M e | Part No. | Description | Price | M e | Part No. | Description | Price |
|---------------|----------|-----------------------------|-------|------------|----------------|------------------------|-------|
| KRA 10A | 11-00895 | Installation Kit | . | KLN 90B | 11-00944 | Installation Kit | . |
| | 11-00896 | Mounting Tray | . | | 11-00945 | Mounting Tray | . |
| KMA 20 | 11-00897 | Installation Kit | . | K 96A | 11-00914 | Installation Kit | . |
| KMA 24 | 11-00898 | Installation Kit | . | | 11-00915 | Mounting Tray | . |
| | 11-00909 | Mounting Tray | . | KG 102A | 11-00947 | Installation Kit | . |
| KMA 24 -52 | 11-00899 | Installation Kit | . | KMT 112 | 11-00946 | Installation Kit | . |
| | 11-00909 | Mounting Tray | . | KX 125 | 11-00916 | Installation Kit | . |
| KMA 24 | 11-00902 | Installation Kit | . | KX 125 | 11-00948 | Mounting Tray | . |
| 70/71 | 11-00903 | Mounting Tray | . | | 11-00986 | Installation Kit | . |
| KA 51B | 11-00904 | Installation Kit | . | 11-00949 | Mounting Tray | . | |
| KN 53 | 11-00905 | Installation Kit | . | KLX 135 | 11-00918 | Installation Kit | . |
| | 11-00906 | Mounting Tray | . | | 11-00950 | Mounting Tray | . |
| KN 62A/64 | 11-00908 | Installation Kit no Antenna | . | KX 155/ | 11-00951 | Installation Kit | . |
| | 11-00925 | Mounting Tray | . | KX 165 | 11-00952 | Mounting Tray | . |
| KN 63 | 11-00928 | Installation Kit no Antenna | . | KX 155/GS | 11-00919 | Installation Kit | . |
| | 11-00929 | Mounting Tray | . | KX 170/ | 11-00954 | Installation Kit | . |
| KN 72 | 11-00930 | Installation Kit | . | 170B/175B | 11-00955 | Mounting Tray | . |
| KT 76A | 11-00912 | Mounting Tray | . | K 196/ | 11-00956 | Installation Kit | . |
| | 11-00913 | 28 Volt Kit | . | K 197 | 11-00957 | Mounting Tray | . |
| KNS 80 | 11-00936 | Installation Kit no Antenna | . | K 196A/ | 11-00914 | Installation Kit | . |
| | 11-00937 | Mounting Tray | . | K 197A | 11-00915 | Mounting Tray | . |
| KNS 81 | 11-00938 | Installation Kit | . | KI 203/204 | 11-00958 | Installation Kit Crimp | . |
| | 11-00939 | Mounting Tray | . | KI 208/209 | 11-00922 | Installation Kit | . |
| KR 86 | 11-00940 | Installation Kit | . | KI 525A | 11-00959 | Installation Kit | . |
| | 11-00941 | Mounting Tray | . | KDI 572 | 11-00961 | Installation Kit | . |
| KR 87 | 11-00942 | Installation Kit 48 cable | . | 11-00962 | Mounting Plate | . | . |
| | 11-00943 | Mounting Tray | . | | | | |



KING KI208A-10 VOR/LOC INDICATOR

The KI 208A VOR/LOC Indicator with VOR/LOC Converter and GPS Switching Relays has internal lighting. Internal relays allows from switching between V F Nav and GPS. It is used with the KX 155 or KX 155A and KLN 89, KLN 89V, or KLN 94. Specifications * eight 1.00 lbs. 0.45 kg * idth 3.25 in. 8.26 cm * Power Required 14/28 VDC 60 mA ma . * eight 3.25 in. 8.26 cm * Length 8.00 in. 20.32 cm * Lighting Power 14/28 VDC P/N 11-07599.....

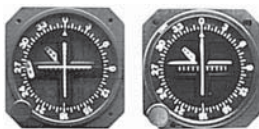
NARCO MK 12D+ NAV/COM



The MK 12D features a powerful 760 channel communications transceiver which delivers crystal-clear audio with automatic leveling on both transmitter and receiver. It also contains a 200 channel VOR NAV which is compatible with SIs, RNAV systems VOR RMI's and the companion ID 824 or ID 825 indicators. The MK 12D is 100 solid-state microprocessor controlled and fully TSO'd. It offers simultaneous display of active and standby frequencies and flip-flop transfer of both. All readouts are digital and the unit is compact, low-profile and self-contained. Size 6-1/4 2-1/2 11 D. t. 5 lbs. Specify 14V or 28V. e have taken the most popular name in NAV/COM s, the MK-12D, and added features that are most often requested by our customers. These features include Ten Channel COMM Frequency memory Storage, Non-Volatile Frequency Memory No keep-Alive wire req. , Digital Radial FROM Readout on NAV, Available in Either 28 or 14 VDC Models, COMM Freq. Entry into Active or Standby, VOR Centering Ad unstable without Removing Faceplate

| Description | Part No. | Price |
|-------------------------|----------|-------|
| NARCO MK12D NAV/COM 14V | 11-07183 | . |
| NARCO MK12D NAV/COM 28V | 11-07184 | . |
| NARCO PAK II 14V | 11-12614 | . |
| NARCO PAK II 28V | 11-12622 | . |

AV



NARCO ID 825 NAVIGATION INDICATORS

These TSO'd navigation indicators are companion units for the Narco MK 12D NAV/COM transceivers. The ID824 indicator features rectilinear movement and a rotatable omni bearing scale and is used with the MK 12D NAV/COM without glideslope. The ID 825 VOR/LOC/GS indicator is similar to the ID 824 unit but includes glideslope capability and is used with the MK 12D NAV/COM with glideslope. t. 1 lb. Specify 14V or 28V.ID-ID-825P/N 11-14150

NARCO RADIO PACKAGE II



Includes MK 12D NAV/COM transceiver with glideslope and ID 825 VOR/LOC/GS indicator with glideslope. Specify 14V or 28V. 14V.....P/N 11-12614 28V.....P/N 11-12622

MK 12D/R NAV/COM REPLACEMENT



The MARK 12D/R was developed in order to provide pilots with a very cost effective way to update their avionics, to state-of-the art capability and performance. And meet new FCC/FAA requirements without incurring the high cost of a complete installation re-do The MARK 12D/R Directly Replaces the MARK 12, MARK 12A MARK 12B, utilizing the existing indicator. Features: • Direct Replace Capability • 760, COM Channels and 200 NAV Channels • TSO'd Microprocessor Design • Simultaneous display of active and standby frequencies • Glideslope and DME Channeling • Flip-Flop Display Transfer • Self-Contained 10 watt audio amplifier • Automatic audio leveling • Unique "Keep-Alive" option available 14 Volt P/N MK12DR-14

MK 12D NAV/COM CESSNA REPLACEMENT



Directly replaces the NAV/COM 300 series RT 308 through RT 328C radios. 100 solid state and TSO's, this unit provides simultaneous display of active and standby frequencies, flip-flop capability, automatic dimming, and digital readouts. 760 channel COM transceiver and 200 channel VOR NAV receiver. Easy to install and service and self-contained. P/N 11-16410.....

NARCO AVIONICS - T M AVIONICS



NARCO NAV 122D/GPS

Narco has re-introduced the NAV 122, in the form of the totally new, surface mount designed NAV122D NAV122D/GPS. The NAV 122D, is a totally self-contained 200-channel, VOR NAV receiver, 40-channel glideslope receiver, VOR, localizer/glideslope indicator and All packaged to fit into a 3.0 instrument hole. The NAV122D, is completely redesigned utilizing Surface Mount Technology and will directly replace,

pin for pin hole for hole, the original NAV122 Series back through the early NAV12. NAV12 replacement will require an interconnect cable. The NAV 122D/GPS is the same as the NAV 122D except it will include a resolver, thus having the additional capability of being utilized as the required Left/Right Indicator, in IFR approved GPS or multi-sensor systems installations. Power 14VDC.

NAV 122D/GPS w/ Resolver P/N 11-14095
CA OR SPECIAL PRICE

NARCO AT 165 MODE C TRANSPONDERS

The AT165/R is a transponder offered to replace the NARCO AT50, AT50A, AT150 AT155 transponders in an existing installation utilizing the already installed tray, cables and antenna. The Narco AT165/R transponder has a high power 250 watt transmitter featuring 4096-code capability and reliable TOTAL solid state design. An innovative backup display, one touch VFR, easy-grip data entry knob, and altitude hold alert are just a few of the special features found in the AT165. It is compatible with leading encoding altimeters and altitude encoders including the Narco AR850 altitude encoder. This unit meets the FAA's tough C74c class 1A TSO for ATC transponders MODE C. AT165/R Series Transponders have dual displays active and standby AT 165R VS value series transponders have single displays.

Narco AT165 Series Transponders Dual Display

| Model | Narco PN | Description | ACS PN | Price |
|---------|------------|--|----------|-------|
| AT165 | 03609-0300 | Digital Transponder | 11-02761 | . |
| AT165R | 03609-0301 | Direct Narco Replacement | 11-03594 | . |
| AT165K | 03609-0303 | Direct King Replacement KT76 KT78 | 11-02890 | . |
| AT165KA | 03609-0302 | Direct King Replacement KT76A KT78A | 11-03001 | . |
| AT165C | 03609-0304 | Direct Cessna Replacement RT359A RT459A | 11-04329 | . |

Narco AT165 Series Transponders - Value Series (Single Display)

| Model | Narco PN | Description | ACS PN | Price |
|------------|------------|--|----------|-------|
| AT165/VS | 03609-0305 | Digital Transponder | 11-03595 | . |
| AT165R/VS | 03609-0306 | Direct Narco Replacement | 11-03596 | . |
| AT165KA/VS | 03609-0307 | Direct King Replacement KT76A KT78A | 11-04743 | . |
| AT165C/VS | 03609-0309 | Direct Cessna Replacement RT359A RT459A | 11-04398 | . |
| AT165/K/VS | 03609-0308 | Direct King Replacement KT76 K58 | 11-03597 | . |

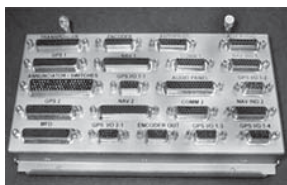
Narco Antenna AT165..... P/N 11-04328



QUICK SHOT AVIONICS REFERENCE MANUAL

Quick Shot is a compact, rugged binder type manual which shows detailed wire pin-outs for a wide variety of general aviation avionics equipment. Each page is removable and very durable. The wiring diagrams in Quick Shot Volume 1 include Apollo/PS, Bendix, Garmin, Icom, Sandel Mid-Continent, Sigtronics, nited, Tele, David Clark, PS Engineering, Narco, Val, and many more.

P/N 11-01623



PRO HUB

The Fast Stack Pro Hub is a revolutionary product that allows you to easily install and connect avionics into an existing aircraft or one you are building. The Fast Stack Pro Hub was designed to accept and connect most NAV/GPS/COM, modern audio panels, intercoms, VOR indicators, moving map displays,

Sl's, RMI's, ADF's, annunciators, mode control and almost any send and receive RS-232 formatted device. Approaches custom cables are made to connect with the Fast Stack Pro Hub and associated avionics and come with connectors installed.

Features •Modular Custom Cabling •Milspec Tefzel Wiring •Simple to Install and Simplifies Upgrades •Virtually No Hand wiring meaning less chance of error •Lower Upgrade Costs •Single Point Grounding

P/N 11-04731

MICHEL TKM SLIDE-IN REPLACEMENT RADIOS



MX 11 NAV/COM

The MX 11 Comm is designed as a slide in replacement for the Narco Com 11, Com 11B, Com 111, Com 111B, and Com 120. The unit will replace the com 10 and Com 110 when the Nav 10 and Nav 110 are not used in the system. The MX 11 is warranted for 3 years. The MX 11 is the same unit as the earlier MX -11 except it does not come with the tray. You must order the tray separately per the FAA.

P/N 11-18815



MX 12 NAV/COM

Direct replacement for Narco MK12A Nav/Com.

P/N 11-18846

GLIDESLOPE ADAPTER CABLE FOR MX 12

Direct replacement for Narco MK 12 P/N 11-18847



MX 170C NAV/COM

An ideal Nav/Com unit to replace King KX 170 175 series Nav/Coms. 14VDC. Features active standby display w/flip-flop capability, plus storage capability in Nav and Com.

P/N 11-18830



MX 300 NAV/COM

The MX 300 Nav/Comm is designed to replace the RT 328T, RT 308C, RT 328T, RT 328A, RT 528A, RT 328C, RT 528E, RT 328D, and RT 508A. The MX 300 is available in the black face plate shown above or in a beige face plate to match many Cessna panels. The MX 300 operates on 13.75 vdc with 7 Adc maximum current in transmit.

with Black Face Cover P/N 11-18835

with Tan Face Cover P/N 11-04825



MX 385 NAV/COM

MX 385 is a direct replacement for RT385 RT485 series Nav/Com units. Features active standby displays w/flip-flop capability plus storage in Nav Com. 28VDC.

P/N 11-18845

Note All Michel radios are furnished standard with black face. Tan face for Cessna panels are available at same prices on special order.

NC 2210A NAV/COM RAMP TESTER

The NC 2210 Tester is optimized for ramp testing of navigation and communication equipment. The unit provides test signals for marker beacon, communication, localizer, glide slope, and VOR. Also included, is a wide band comm receiver to permit evaluation of comm transmitter AM fidelity. The TKM NC 2210 is a NAV-COMM Ramp Tester. The unit has improvements over the 2200, which it replaces. The improvements include the following: Higher RF power • Precise localizer and glide slope deflection • Calibrated VOR bearings at 10 degree increments • Crystal controlled modulation frequencies • Longer battery life • Internal antenna with adjustable length • Smaller size. Specifications: •Size: 3.8 x 7.4 x 2.3" •Weight: 1.3 lbs. •Power: Internal battery with over 2 hours running time (110VAC charger included) •Warranty: 2-year from date of purchase. P/N 11-01813



MC 60 NAV CONVERTER

The TKM MC 60 is designed to provide a display for a variety of Nav signals including ILS, LOC, Back course, LOC, GS, GPS, and MB. The VOR display includes a Left and Right bar graph with an OBS and a tracking mode with reciprocal selection. When a GPS is selected by grounding the enableline, GPS is displayed in the OBS window and VOR and LOC functions are disabled. When the GPS is not enabled the VOR/LOC selection is made by the ILS enable line from the associated Nav receiver. Back Course selection is made by grounding the back course enable line. The digital display includes OBS, bearing, LOC, BAC, and GPS. The bar graph display contains 10 dots for Left, Right, Up, and Down. The center dot is used to indicate valid signals for LOC, VOR, or GPS. A Glide Slope light indicates a valid Glide Slope signal. P/N 11-04594

TKM MG200 GLIDESLOPE RECEIVER

At last, it is back! The MG-200 Glide Slope Receiver, a marvel of avionics engineering from TKM. Measuring only 3 inches wide by 6 inches long by 1 inch high, this 40 channel, totally solid state receiver is capable of handling your Nav/Com needs.

Using standard 25 DB connectors, it is easy to wire and install. Just wire the connector, plug it in, mount the receiver with four fasteners and run the wires to the receiver. That is it except the paperwork

P/N 11-06868

AV

ICOM RADIOS – TRANSCEIVERS

ICOM A210 COMM TRANSCEIVER



Innovative airband that's easier to install and see in more places
 Large, bright OLED display - A fixed mount VHF airband first The IC-A210 has an organic light emitting diode (OLED) display. The OLED display emits light by itself and the display offers many advantages in brightness, vividness, high contrast, wide viewing angle and response time compared to a conventional display. In addition, the auto dimmer function adjusts the display for optimum brightness at day or night.
 Easy channel selection - It's fast and easy to select any of memory channels in the IC-A210. The flip-flop arrow button switches between main and stand-by channels. The dualwatch function allows you to monitor two channels simultaneously. In addition, the auto stack memory stores the last 10 channels used and allows you to recall those channels easily.

GPS memory function - When connected to an external GPS receiver equipped with an airport frequency database, the frequency data such as nearby airports can be transferred and made available in the IC-A210.

Features

- TSO version planned Pending as of July 2007
- 10 regular memory channels with a 6-channel name
- 200 group memory channels 20 Ch / 10 banks with a channel tag
- NOAA weather channel receive SA version only
- One touch access to 121.5MHz emergency frequency
- Side tone function for monitoring your voice with headset
- ANL Automatic noise limiter function reduces pulse type noise
- Remote control capability
- Time-out-timer
- VFO scan
- PC programming capability
- Dial lock and panel lock
- Squelch test function

| Description | Part No. | Price |
|-------------------------|----------|-------|
| ICOM A210 Panel Mount | 11-05618 | . |
| ICOM A210M Mobile Mount | 11-05836 | . |
| ICOM A210B Base Station | 11-05839 | . |

ICOM PS-80 BASE STATION POWER SUPPLY



The PS-80 offers quick, easy installation of the IC-A210 in one compact desk-top unit that combines a power supply, speaker, microphone, headphone and antenna connectors.

Power Supply is user selectable for 110 or 220/240 V AC operation and supports a full 7 watt transmitter output. Large internal speaker booms out 5 watts of audio. Microphone, headphone and antenna connectors are standard in the PS-80 so no wiring is necessary. Just plug in your selected hand or desktop microphone or headphone and outside antenna and you're on the air. Optional SM-6 Desktop Microphone, M-7 or MIC and Microphone and B-ANT Base Station Antenna to complete the package are available and sold separately.

Specifications * Input voltage * 117 V AC /- 10%, * 220 V AC /- 10%, or * 240 V AC /- 10% selectable * Output voltage 13.8 V DC /- 5% negative ground * Output current 6 A * Duty rate 1 hour for maximum current * Ripple voltage Less than 20 mV rms * Seizable Temperature Range -10 C to 40 C 14 F to 104 F * Dimensions projections not included 200 200 300 D mm 7.9 7.9 11.8 D in * Weight 6.0 kg 13.2 lb

Icom PS-80 Base Station Only..... P/N 11-00802.....
 Icom A210B PS-80 Microphone..... P/N 11-18581.....

IC A110 VHF AIR BAND TRANSCEIVER (COMM ONLY)



The Icom IC A110 is rugged and reliable for serious ground crew communications. The IC-A110 can be installed in any vehicle and is adaptable to vehicles working on 12V or 24V power sources. The unit features a front mounted speaker, free from any obstacle blocking and puts out 10 W of power for the external speaker. Dial select frequencies or memory channels. A total of 99 memory channels are available requires CSA110 v2 software to be programmed. Up to 7-character names can be assigned to each channel.

Features

- Equipped EEPROM system provides maintenance free memory backup capability, without the use of a separate backup battery
- Various scan functions, such as VFO and priority scans are available
- Limited number of keys for simple manipulation, but providing advanced multi-functions
- A total of 20 memory channels are available
- Ideal compact size of 150 X 50 X 180 D mm to mount in various type of vehicles
- 36 W pep of powerful output
- Excellent durability to cope with even the toughest workplace
- Memory channel only operation possible via PC programming
- Headset and Microphone supplied

Specifications

- Dimensions 150 50 X 180 D mm
- Weight 1.5kg 3lb. 5 oz.
- Mode 6K00A3E AM
- No. of memory channels 20
- Antenna Connector SO-239
- Power supply requirement 13.75 VDC
- Current drain Transmitting 5.0 A max, Receiving 4.0 A
- Operating temperature range IC-A110 -30 C to 60 C
 IC-A110E RO -20 C to 55 C
- Frequency stability IC-A110 5 ppm
 ICOM IC-A110-05B Base Station.....P/N 11-02781.....
 ICOM ICA110-05 Panel MountP/N 11-04352.....



FLIGHTLINE FL 760 TRANSCEIVER

Introducing the FlightLine FL 760 - one of the smallest and lightest VHF Transceivers in the industry.

Specifications

- Frequency range 118.00 to 136.975MHz ± Receive 108.00 to 136.975MHz ±
- Channel spacing 25kHz ±
- Mode AM 6K00A3E
- Number of memory channels 32
- Acceptable power supply 11.7 V or 33 VDC Negative ground only
- Seizable temp. range -20 to 60
- Frequency stability ± 5ppm
- Current drain TX 3A max RX 0.8A max Standby 300mA
- Dimensions 61 X D159 X 61 mm
- Weight 430g/14.11oz
- Exposed dial face 56.4mm 2 1/4.5 inches
- Certification Not TSO
- Output power 5 W carrier, 16 W pep
- Modulation small stage modulation
- Modulation limiting 70 to 100
- Audio harmonics distortion Less than 15% at 85% modulation
- Spurious response rejection More than 40dB
- Spurious emissions -16dBm or less
- Antenna impedance 50
- Receive system Double conversion superheterodyne
- Intermediate frequency 1st 38.85MHz ± per 2nd 450kHz ± Lower
- Sensitivity at 6dB S/N Less than 1uV
- Squelch sensitivity 0.5uV Threshold
- Selectivity More than 8kHz ± at 6dB, Less than 25kHz ± at 60dB
- Spurious response rejection More than 60dB
- Audio output power More than 4 W at 4
- Side tone More than 100ms at 600
- Immunity and noise More than 30dB
- Audio output impedance E.T. SP 4 to 8, Side tone 600
- 2-1/4" panel mount

P/N 11-06307.....

USED AVIONICS FROM AIRCRAFT SPRUCE

Virtually all these avionics are in Serviceable condition. This is an FAA term that means that the radios have been repaired as needed, tested according to the manufacturer's procedure, and meet the manufacturer's performance specifications. These radios are legally approved for installation and use. These radios come with either a Yellow Tag or a 8130-3 Serviceable tag. Both tags certify that the radio is in Serviceable condition. The difference is the geographical area where the tag is accepted. The Yellow Tag is accepted in North America, while the 8130-3 tag is accepted worldwide. Generally 8130-3 tags are issued for our radios, because we rarely know exactly where it will be sent when it is in the shop. With an 8130-3 tag, we know that it can be used by any of our customers. Serviceable units carry a 90 day warranty. All used avionics are subject to availability, and will be shipped with the tray and connector included. Prices can vary. Please specify 14V or 28V when ordering.

| | | | |
|--|----------|----------|---|
| 3M | | | |
| 3M X-10 Stormscope | 11-06005 | . | . |
| 3M X-10A Stormscope | 11-06006 | . | . |
| 3M X-11 Stormscope | 11-06007 | . | . |
| 3M X-8 Stormscope | 11-06008 | . | . |
| ARC | | | |
| ARC Cessna IN-385A | 11-06009 | . | . |
| ARC Cessna IN-386A | 11-06010 | . | . |
| ARC Cessna IN-514B | 11-06011 | . | . |
| ARC Cessna IN-525B | 11-06012 | . | . |
| ARC Cessna R-446A ADF Receiver | 11-06013 | . | . |
| ARC Cessna RT-328T NAV / COMM | 11-06014 | . | . |
| ARC Cessna RT-359A Transponder | 11-06015 | . | . |
| ARC Cessna RT-385A NAV / COMM | 11-06016 | . | . |
| ARC Cessna RT-459A Transponder | 11-06017 | . | . |
| ARC Cessna R-485B NAV / COMM | 11-06018 | . | . |
| ARC Cessna R-443B Remote Glideslope Receiver | 11-06019 | . | . |
| ARNAV | | | |
| ARNAV STAR 5000 VFR GPS Navigator | 11-06020 | . | . |
| CENTURY | | | |
| Century NSD-360A Non-Slaved Compass System SI | 11-06021 | . | . |
| Century NSD-360A Slaved Compass System SI | 11-06022 | . | . |
| COLLINS | | | |
| Collins ADF-650 ADF System | 11-06023 | . | . |
| Collins ADF-650A ADF System | 11-06024 | . | . |
| Collins GLS-350 Remote Glidescope Receiver | 11-06025 | . | . |
| Collins IND-350 GPS / VOR / LOC Indicator | 11-06026 | . | . |
| Collins IND-350A GPS / VOR / LOC Indicator | 11-06027 | . | . |
| Collins IND-351 GPS | 11-06028 | . | . |
| Collins IND-351A GPS | 11-06029 | . | . |
| Collins IND-650 ADF Indicator | 11-06030 | . | . |
| Collins IND-650A ADF Indicator | 11-06031 | . | . |
| Collins MKR-350 Marker Beacon Receiver | 11-06032 | . | . |
| Collins RCR-650 ADF Receiver | 11-06033 | . | . |
| Collins RCR-650A ADF Receiver | 11-06034 | . | . |
| Collins TDR-950 Transponder | 11-06035 | . | . |
| Collins V F-251 COMM Transceiver | 11-06036 | . | . |
| Collins VIR-351 NAV Receiver | 11-06037 | . | . |
| GARMIN | | | |
| Garmin GI-102A | 11-06038 | . | . |
| Garmin GI-106A | 11-06039 | . | . |
| Garmin GNC-250 VFR | 11-06040 | . | . |
| Garmin GNC-250XL VFR | 11-06041 | . | . |
| Garmin GNS-430 - 14 or 28 Volts | 11-06042 | . | . |
| Garmin GNS-430 IFR - 28 Volts | 11-06043 | . | . |
| Garmin GNS-530 IFR | 11-06044 | . | . |
| Garmin GPS-150 VFR | 11-06045 | . | . |
| Garmin GPS-150XL VFR | 11-06046 | . | . |
| Garmin GPS-155 IFR | 11-06047 | . | . |
| Garmin GPS-155XL IFR | 11-06048 | . | . |
| Garmin GTX-320 Transponder | 11-06049 | \$995.00 | . |
| Garmin GTX-327 Transponder | 11-06051 | . | . |
| II Morrow / Garmin AT Apollo 360 Map Moving Map | 11-06052 | . | . |
| II Morrow / Garmin AT Apollo 360 VFR | 11-06053 | . | . |
| II Morrow / Garmin AT Apollo 820 Flybuddy VFR | 11-06054 | . | . |
| II Morrow / Garmin AT Apollo GX-50 IFR | 11-06056 | . | . |
| II Morrow / Garmin AT Apollo GX-55 IFR | 11-06057 | . | . |
| INSIGHT | | | |
| Insight Strike Finder | 11-06058 | . | . |
| KING | | | |
| King KA-134 Audio Panel | 11-06059 | . | . |
| King KA-44B ADF Loop / Sense Antenna | 11-06061 | . | . |
| King KCS-55A Compass System SI | 11-06062 | . | . |
| King KCS-55A Compass System SI with Bootstrap Output | 11-06063 | . | . |
| King KDI-527 DME Indicator | 11-06064 | . | . |
| King KI-201C VOR / LOC Indicator | 11-06066 | . | . |
| King KI-202 GPS / VOR / LOC Indicator | 11-06067 | . | . |
| King KI-203 VOR / LOC Indicator | 11-06068 | . | . |
| King KI-204 VOR / LOC / Glidescope Indicator | 11-06069 | . | . |
| King KI-206 GPS / VOR / LOC / Glidescope Indicator | 11-06071 | . | . |
| King KI-208 VOR / LOC / Glidescope Indicator | 11-06072 | . | . |
| King KI-209 VOR / LOC / Glidescope Indicator | 11-06073 | . | . |
| King KI-209A GPS / VOR / LOC / Glidescope Indicator | 11-06074 | . | . |
| King KI-211C VOR | 11-06075 | . | . |
| King KI-214 VOR | 11-06076 | . | . |
| King KI-227 ADF Indicator Non-Slaved -00 Version | 11-06077 | . | . |
| King KI-227 ADF Indicator Slaved -01 Version | 11-06078 | . | . |
| King KLN-89 VFR GPS Navigator | 11-06079 | . | . |
| King KLN-89B IFR-Approach GPS / Moving Map | 11-06080 | . | . |
| King KLN-90A IFR-En Route GPS / Moving Map | 11-06081 | . | . |
| King KLN-90B IFR-Approach GPS / Moving Map | 11-06082 | . | . |
| King KLN-94 IFR-Approach GPS / Moving Map System | 11-06083 | . | . |
| KING CONT. | | | |
| King KLN-94 IFR-Approach GPS / Moving Map unit only | 11-06084 | . | . |
| King KIX-135A VFR GPS | 11-06085 | . | . |
| King KMA-20 Audio Panel Marker Beacon Receiver | 11-06086 | . | . |
| King KMA-24 Audio Panel Marker Beacon Receiver | 11-06087 | . | . |
| King KMA-24 -50 Series Audio Panel and Intercom | 11-06088 | . | . |
| King KMA-24 -70 Series Audio Panel and Intercom | 11-06089 | . | . |
| King KMA-26 Audio Panel | 11-06090 | . | . |
| King KN-53 NAV Receiver | 11-06091 | . | . |
| King KN-53 NAV Receiver with Glidescope | 11-06092 | . | . |
| King KN-62 DME | 11-06093 | . | . |
| King KN-62A DME | 11-06094 | . | . |
| King KN-62A DME -01 Version | 11-06095 | . | . |
| King KN-64 DME | 11-06096 | . | . |
| King KNI-520 GPS / VOR / LOC / Glidescope Indicator | 11-06097 | . | . |
| King KNS-80 NAV / RNAV / DME / Glidescope Receiver | 11-06098 | . | . |
| King KNS-81 NAV / RNAV / Glidescope Receiver | 11-06099 | . | . |
| King KR-21 Marker Beacon Receiver | 11-06100 | . | . |
| King KR-22 Marker Beacon Receiver | 11-06101 | . | . |
| King KR-85 ADF Receiver | 11-06102 | . | . |
| King KR-86 ADF Receiver and Indicator | 11-06103 | . | . |
| King KR-87 ADF System with Non-Slaved KI-227 Indicator | 11-06104 | . | . |
| King KR-87 ADF System with Slaved KI-227 Indicator | 11-06105 | . | . |
| King KT-70 Mode S Transponder | 11-06106 | . | . |
| King KT-71 Transponder | 11-06107 | . | . |
| King KT-76 Transponder | 11-06108 | . | . |
| King KT-76A Transponder | 11-06109 | . | . |
| King KT-76C Transponder | 11-06110 | . | . |
| King KT-78 Transponder | 11-06111 | . | . |
| King KT-78A Transponder | 11-06112 | . | . |
| King KT-79 Transponder | 11-06113 | . | . |
| King KX-125 NAV / COMM / Indicator | 11-06114 | . | . |
| King KX-155 NAV / COMM, 14 Volts | 11-06115 | . | . |
| King KX-155 NAV / COMM, 14 Volts with Glidescope | 11-06116 | . | . |
| King KX-155 NAV / COMM, 28 Volts | 11-06117 | . | . |
| King KX-155 NAV / COMM, 28 Volts with Glidescope | 11-06118 | . | . |
| King KX-155A NAV / COMM with Glidescope | 11-06119 | . | . |
| King KX-165 NAV / COMM, 14 Volts | 11-06120 | . | . |
| King KX-165 NAV / COMM, 14 Volts with Glidescope | 11-06121 | . | . |
| King KX-165 NAV / COMM, 28 Volts | 11-06122 | . | . |
| King KX-165 NAV / COMM, 28 Volts with Glidescope | 11-06123 | . | . |
| King KX-170B NAV / COMM | 11-06124 | . | . |
| King KX-175B NAV / COMM | 11-06125 | . | . |
| King K -196 COMM Transceiver | 11-06126 | . | . |
| King K -196A COMM Transceiver | 11-06128 | . | . |
| King K -196E COMM Transceiver | 11-06129 | . | . |
| King K -197 COMM Transceiver | 11-06130 | . | . |
| King K -197A COMM Transceiver | 11-06131 | . | . |
| King K -96A COMM Transceiver | 11-06132 | . | . |
| King K -97A COMM Transceiver | 11-06133 | . | . |
| L-3 | | | |
| L-3 Goodrich X-1000 Stormscope | 11-06134 | . | . |
| L-3 Goodrich X-1000 Stormscope | 11-06135 | . | . |
| L-3 Goodrich X-900 Stormscope | 11-06136 | . | . |
| L-3 Goodrich X-950 Stormscope | 11-06137 | . | . |
| MCCOY | | | |
| McCoy MAC-1700 NAV / COMM | 11-06138 | . | . |
| McCoy MAC-1700 VTX NAV / COMM | 11-06139 | . | . |
| NARCO | | | |
| Narco AT-150 Transponder | 11-06140 | . | . |
| Narco AT-50 Transponder | 11-06141 | . | . |
| Narco AT-50A Transponder | 11-06142 | . | . |
| Narco COM-810 COMM Transceiver | 11-06143 | . | . |
| Narco COM-811 COMM Transceiver | 11-06144 | . | . |
| Narco DME-890 DME | 11-06145 | . | . |
| Narco ID-824 VOR / LOC Indicator | 11-06146 | . | . |
| Narco ID-825 VOR / LOC / Glidescope Indicator | 11-06147 | . | . |
| Narco MK-12D NAV / COMM ARC Cessna Replacement | 11-06148 | . | . |
| Narco MK-12D NAV / COMM with Glidescope | 11-06149 | . | . |
| Narco MK-12E NAV/COMM ARC Cessna Replacement | 11-06150 | . | . |
| Narco MK-12E NAV/COMM with Glidescope | 11-06151 | . | . |
| Narco NAV-121 VOR / LOC Indicator / NAV Receiver | 11-06152 | . | . |
| Receiver / NAV Receiver / Marker Beacon Receiver and Indicator | 11-06153 | . | . |
| SANDEL | | | |
| Sandel SN-3308 Electronic SI F SI | 11-06154 | . | . |
| TERRA | | | |
| Terra TRT-250D Transponder | 11-06155 | . | . |
| TKM | | | |
| TKM MX-11 COMM Transceiver | 11-06156 | . | . |
| TKM MX-170B NAV / COMM | 11-06157 | . | . |
| TKM MX-300 NAV / COMM | 11-06158 | . | . |
| TKM MX-385 NAV / COMM | 11-06159 | . | . |

AV

CDIS - RELAY ASSEMBLIES



MID-CONTINENT 2 INCH CDI

This indicator will fit the need of aircraft owners of LSA all the way up to business aircraft. The CDI allows for precise and accurate readings. Nav, GPS and VLOC annunciation are built-in and backlit by LED lighting, providing enhanced nighttime and sunlight readability. The CDI has TSO approval from the FAA and will interface with most nav and GPS receivers.

Features

- Compact 2-1/4 inch size saves panel space
- Innovative Safety Feature - pointers move out of view with invalid signal
- Precision replacement for older navigation indicators
- Rectilinear meter movements allow for more accurate readings.
- LED backlighting looks great and provides increased reliability.
- Built-in annunciations for NAV, GPS, and VLOC or BC.
- FAA TSO approved for use with most GPS and VOR systems
- Rugged construction includes ball bearings in critical areas.
- True course resolver output - 1 volt, 30 Hz
- Quality Mil-Spec connectors included
- One year limited warranty

Specifications

- Power Input - Accepts 11 to 32 Volts DC.
- Lighting - Internal white LED. Lighting control voltage is selectable for 5, 14, or 28
- Weight - eight 0.6 lbs.
- Length - 3.5 inches

Mid-Continent - CDI MD200-406 This unit has the NAV/GPS VLOC annunciations for the Garmin units P/N 11-05106
 Mid-Continent - CDI MD200-506 This unit has the NAV/GPS BC for all other applications P/N 11-05107
 MD200-306 CDI GS Indicator P/N 11-00184

GARRECHT TRANSPONDER CLASS 1 AND CLASS 2



T01
UltraCompact

The Garrecht Transponder VT-01 is a flexible and modular system concept, in a compact size 57mm with a very low current and integral alticoder. Available as Class-1 125 watt or Class-2 71 watt System.

Specifications Certification: I.A.W. ETSO-2C112a, ED-73B

- Min. RF Output power @Antenne: Class 1: 125 Watt Class 2: 71 Watt.
- Integral alticoder: Yes
- Weight control unit: 0,21 kg.
- Weight main unit: 0,61 kg
- Supply voltage: 9-32 V DC
- Power consumption (operation) 13,8 V 1200 Mode A/C or 50 Mode-S replies Class 1 0,24 A Class 2: 0,22 A
- Power consumption (on Ground) @ 13,8V (Squitter active): Class 1: 0,17 A Class 2: 0,16 A
- Power consumption (Standby) @ 13,8 V: 0,005 A
- Interfaces: RS232 + CAN
- OPERATIONAL LIMITS
- Max. Altitude: Class 1: 40.000ft Class 2: 15.000 ft (4.572 m)
- Max. TAS: Class 1: 250 kts (463 km/h) Class 2: 175 kts (324 km/h)
- MTOW: Class 1 5.700 kg Class 2 5.700 kg

Transponder Class 1 P/N 11-04529
 Transponder Class 2 P/N 11-04530
 Transponder IttaCompact Class 1 P/N 11-05869
 Transponder IttaCompact Class 2 P/N 11-05870

AMERI-KING REMOTE RELAY ASSEMBLIES



The Ameri-King AK-950R is a FAA TSO d approved remote Relay Assembly. It is designed to provide Switching Function, for SI / CKE Data Inputs, between NAV VOR Receiver and the approached certified GPS receiver. The Assembly consists of a 24 pole built-in relay to simplify installation of the Switching Function. All Relays have gold-plated contacts and are Nitrogen filled for high reliability. The AK-950R

consists of 2 sub-groups, A & B. Subgroup A includes 20 poles switching a failure detection pole built in and an ILS auto override to reverse to NC NAV position upon ILS frequency is turned in. Subgroup B includes 2 poles switching. Each subgroup is controlled independently. Protection includes input power reverse polarity, power transient. All relay coils are protected against EMI and transient switching. Installation is extremely simple. All necessary hardware is provided, including mating connector w/machine crimped contacts.

AK-950-R8-14V 8 Poles Relay Ass y. P/N 11-01407
 AK-950-R8-28V 8 Poles Relay Ass y. P/N 11-01408
 AK-950-R12-28V 12 Poles Relay Ass y. P/N 11-01409
 AK-950-R12-14V 12 Poles Relay Ass y. P/N 11-01410
 AK-950-R24-14V 24 Poles Relay Ass y. P/N 11-01411
 AK-950-R24-28V 24 Poles Relay Ass y. P/N 11-01412
 AK-950-R48-14V 48 Poles Relay Ass y. P/N 11-01413
 AK-950-R48-28V 48 Poles Relay Ass y. P/N 11-01414
 9500001B Connector Kit, 78 female mach. pins, crimp type Ass y. P/N 11-01415

REMOTE SWITCHING RELAY UNIT

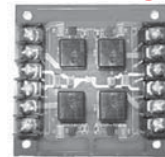


Remote mounted 24-pole unit features eight Nitrogen-filled relays 3 poles per relay with Gold-plated contacts

- Ideal for GPS/VOR transfer and audio switching applications
- Relays are activated individually by voltage or ground keying or as a group by ground keying
- FAA PMA Approved certified to 55,000 ft. Versatile Mounting - horizontal, Vertical or flat mount configurations
- Fail-safe fault monitoring through interlocking of all internal relays
- Adjustable dimmer output for external annunciations
- Quality MIL-SPEC connector kit included
- Specifications - width 2.86
- eight 1.52 inch, Depth 2.6
- eight .75lbs

Remote Relay unit 14V P/N 10-02125
 Remote Relay unit 28V P/N 10-02127

AVMASTER RELAY 14VOLT & 28VOLT



The AvMaster Relay is the first and only self contained, fail-safe, avionics master relay package to protect expensive radio gear at an affordable price. The AvMaster Relay is installed between the power bus and the protected radios. The AvMaster Relay only and not the radios directly. Not only does the AvMaster Relay protect the system from transient electrical

spikes during normal operations, its four parallel relay controlled, surge protected circuits allow for individual fusing that separate all radios from each other.

The avionics master switch is a great idea. It protects against the large power surge potential during start up and shut down. It's also useful to prevent premature wear of each radio's switches and allow the benefit of maintaining the volume settings. But, it has a major weakness. An Avionics Master Switch becomes a potential single point of failure. If it fails, ALL radios shut down. A second Avionics Master Switch has been used as the solution to this problem. However, this offers no spike protection while on and it still connects all radios together. An overload in one radio can potentially spill over to the whole avionics circuit and take them all out.

The fail-safe design of the AvMaster Relay eliminates the need for a backup Avionics Master Switch. If the Avionics Master Switch ever fails, the pilot won't even realize it until after the flight is over and the Avionics Master Switch doesn't shut down the radio stack. The radios will just be controlled individually until the problem is resolved. The AvMaster Relay will pay for itself with fewer repairs over the increased lifetime of the avionics stack.

14 Volt P/N 11-04857
 28 Volt P/N 11-04858

AN-21 ANNUNCIATOR CONTROL UNIT



The AN-21 is a light and warning tone generator for use in experimental aircraft. A total of twenty-one circuits can be monitored, sixteen channels are activated by ground and five by positive input. Each channel activates a light and emits a warning tone when triggered. The AN-21 also includes a

Windows Programming capability to enable the user to configure it for each specific installation. Each channel, when activated, has an associated user programmable output which can be programmed to do the following: Steady light, Flashing light, Alert Tone with steady or flashing light. Features: Master Caution - user selected channels can trigger a Master Caution Annunciator • Test Function - Causes all lamps to illuminate to check the bulbs • Dim - Causes all Lamps to illuminate a selected lower brightness for night operation. P/N 11-04701

TED 4-70 GPS NOTCH FILTER



Our global positioning system receives its positional information at 1575.42 MHz. The communications radios on-board your aircraft typically broadcast in the 121.5 MHz range. That is a wide separation in frequency bandwidth but it's not the complete picture. Our comms are also producing harmonics which can produce significant noise at the GPS frequency. Now you can filter that signal and avoid potentially hazardous situations.

A simple low cost way to clean up the receivers frequency environment. The TED 4-70 notch filter installs quickly and easily via standard BNC bayonet couplings, in-line between radios and antenna. The 4-70 rejects in excess of 50dB of 1575.42 signal at the source. Each filter is individually tuned and checked to assure maximum performance. Of course, the 4-70 also passes strenuous environmental criteria so important in aircraft applications. Major GPS manufacturers recognize this problem and recommend using the 4-70 on new and retrofit installation.

P/N 11-02204

AVONICS COOLING FANS - SCREEN PROTECTORS

TROLL AVIONICS COOLING FANS



THE ICE BOX - Avionics cooling fan is designed to mount remotely and cool up to 3 radios. It is shielded and filtered and uses standard 5/8" CAT type hose to direct air from 3 outlet ports. Thickness of the unit is only 1.4", and it operates on 14 or 28 volts. Ice Box offers a thin profile, flexible mounting, and very quiet operation. 2 yr warranty.

12VP/N 11-18350
28VP/N 11-18360

SUPER ICE BOX - Same as above except w/5 outlet ports instead of three, to cool 2 extra radios.
12VP/N 11-18365
28VP/N 11-18370



CYCLONE - The Cyclone-21 is a compact 3" x 3" aircraft electronics cooling fan that delivers 21 cubic feet per minute of forced air cooling to a variety of avionics equipment
3-port 12V fan.....P/N 11-18380
3-port 24V fan.....P/N 11-18381
6-port 12V fan.....P/N 11-18382
6-port 24V fan.....P/N 11-18383
5/8" fan tubingP/N 11-00504

AMERI-KING AVIONICS COOLING FANS

The Ameri-king AK-950F is part of a FAA TSO'd approved kit. GPS/Avionics fan is compact and delivers up to 26.6 CFM cubic feet per minute of forced air cooling to a variety of avionics equipment. It features ball bearing for highest reliability and long lasting. The AK-950F fan may be behind or beneath aircraft instrument panel or avionics equipment rack or cabin pressure bulkhead. The small, one port direct mounting fans field are for internal cooling and there is a second port for external cooling. No remote hose is required.

Features Include: power reverse polarity protection compact size choices of 1, 2, 3, or 5 hose outputs universal mounting hoses connector kit and hardware included. 4-year extended warranty. Size for 1-3 ports L- 5.75 - 5.130 - 2.080 . 5 ports L- 6.75 - 5.130 - 2.080 . Small F1d port L- 2.60 - 2.5 - 2.5 . Power 14 or 28 VDC.



| Description | 14V P/N | Price | 28V P/N | Price |
|----------------------|----------|-------|----------|-------|
| 1-port w/hose | 11-18385 | . | 11-01416 | . |
| 2-ports w/2 hoses | 11-18386 | . | 11-00177 | . |
| 3-ports w/3 hoses | 11-18387 | . | 11-01417 | . |
| 5-ports w/5 hoses | 11-18388 | . | 11-01106 | . |
| 10-ports w/ 10 hoses | 11-05825 | . | 11-05820 | . |
| Small, 1 Port, F1d | 11-01418 | . | 11-01419 | . |

AMERI-KING AK950-FTR RFI DC LINE FILTER



The AK950-FTR RFI DC line filter is the only TSO approved RFI filter available. The AK950-FTR was designed to replace all isonic RFI filters. It replaces isonic RFI-40, RFI-70, and RFI-100 filters. Works on 40-100 amp operation, working voltage is 30VDC. FTR1 designed to reduce noise from alternator or generator.

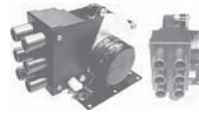
AK950-FTR picturedP/N 11-00182
AK950-FTR1P/N 11-00183

SANDIA ACF 314 (3 PORT FAN)



The ACF 314 and ACF 328 simultaneously cool up to three avionics units. Operating on 14Vdc and 28 Vdc respectively the ACF 314 and ACF 328 supply up to 20 cubic feet of cooling air per minute, helping maintain your avionics at a proper operating temperature. SANDIA Aerospace cooling fans use high quality, brushless blower motors and or Run-quiet technology. These units are FAA

PMA's and have passed stringent environmental testing to ensure years of reliable service. Specifications: • Operating Voltage: 14Vdc • Current Draw: 960mA (1.7A at startup) • Size: 5.18" x 5.18" x 2.1" • Weight: 1.18 lbs. P/N 11-06345



CYCLONE 600 - 6 PORT AVIONICS COOLING FAN

The Cyclone-600 is a light weight, highly reliable brushless DC avionics blower that delivers 45-50 CFM of forced air to onboard aircraft electronics. The universal mounting system mounts vertical, horizontally or at 45 degrees for straight forward installations for all aircraft make and models.

- features
- * New DC Brushless Motor with FAA/PMA Approval.
 - * High Performance 626 Bearing for Extended Life.
 - * High Impact Phenolic Housing.
 - * Laser Balanced Impeller wheel.
 - * Universal Front Plate 4,5,6, Ports .
 - * Cable Harness 36", included.

- benefits
- * Over Current Protection
 - * Locked Rotor Protected
 - * Reverse Polarity Protected
 - * FAA/PMA Approved
 - * DO160 D Tested
 - * Low Noise
- Specifications
- * Voltages 12-14 VDC 600mA 24-48 VDC 500mA
 - * CFM 45/50 CFM at 6000 RPM
 - * Dimensions 4.5in 3.0in 6.25in L

| Description | Part No. | Price |
|-------------------------------|----------|-------|
| Cyclone 600 6 Port Fan 12-14V | 11-05221 | . |
| Cyclone 600 6 Port Fan 24/28V | 11-05222 | . |



LONE STAR 12/24 VDC BLOWER KIT

Lone Star Aviation's new 1 port blower is the smallest 1 2 2", most efficient brushless dc motor, and the most versatile avionics cooling fan in our industry today.

This New blower's universal mounting bracket makes it easy to set-up and install on a variety of aircraft. Install immediately on experimental, sport and soon on general aviation, business, rotor-craft, commercial class aircraft as well as Land-Mobile, Marine and Military Vehicles.

- Specifications
- * Lightweight 52 grams, 0.115 lbs
 - * Enclosure Aluminum, powder coated
 - * Vdc, amperage: 12 = 10.2-15.8Vdc, 0.320ma
 - * Vdc, amperage: 24 = 18.2-28.5Vdc, 0.300ma
 - * 1 port = 5/8 inch x 1.0
 - * Max Static pressure: H2O = 0.64
 - * Max Air Flow 6.7 CFM
 - * Universal Mounting Bracket 4 mt h
 - * Operating Temp -55C to 70C
 - * FAA-PMA pending, 6-30-08
 - * Ultra-Small Size 2.0 1.00 2.0L
 - * Easy Installation 4 6-32
 - * 1 year Limited Warranty

| Description | Part No. | Price |
|---------------------------------------|----------|-------|
| Lonestar 12 VDC Blower Kit LS03-02040 | 11-06567 | . |
| Lonestar 24 VDC Blower Kit LS03-02041 | 11-06568 | . |

NAVIGATION SCREEN PROTECTORS



The Pre-cut navigation screen protectors provide excellent protection from scratches. The anti-glare layer reduces unwanted reflections, increasing contrast, clarity, and viewing comfort even with the use of polarized lenses. This film is thick enough to protect the screen, yet thin enough to have no effect on touch screen sensitivity. Light tack adhesion provides for residue-free removal. Does not require special cleaners. Available for ADR, Anywhere Map, Avidyne, Apollo, Chelton, Eclipse Avio, Garmin, King, Vista Nav, and more.

| Description | Part No. | Price | Description | Part No. | Price |
|------------------|----------|-------|-----------------|----------|-------|
| F/B NAV | 11-07140 | . | 2PC G-1000 | 11-07154 | . |
| MAP LS-800 | 11-07141 | . | 3PC G-1000 | 11-07155 | . |
| CNX-80 | 11-07142 | . | GARMIN 430 | 11-07157 | . |
| EFD PRO | 11-07143 | . | GARMIN 480 | 11-07158 | . |
| 1PC AVID NE | 11-07144 | . | GARMIN 500 | 11-07159 | . |
| 2PC AVID NE | 11-07145 | . | GARMIN 530 | 11-07160 | . |
| 5PC PIPER MODELS | 11-07146 | . | GARMIN 600 | 11-07161 | . |
| 1pc FlightMa 500 | 11-07147 | . | GARMIN 696 | 11-07162 | . |
| 1pc Chelton ID | 11-07148 | . | GMX-20 | 11-07163 | . |
| 4PC 2G-430 | 11-07149 | . | GMX-200 | 11-07164 | . |
| 4PC 2G-430 | 11-07150 | . | 196.296.396.496 | 11-07165 | . |
| 2PC C-P | 11-07151 | . | KMD 250 | 11-07166 | . |
| 3PC Eclipse Avio | 11-07152 | . | KING KMD550 | 11-07167 | . |
| 1PC G-1000 | 11-07153 | . | CIS-1000 | 11-07168 | . |

AV

COM TRANSCIVERS



XCOM VHF TRANSCEIVER

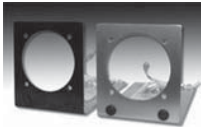
Designed from the ground up the XCOM offers superior performance under the demanding and noisy conditions experienced in many amateur built aircraft. With low power consumption this radio is ideally suited to use in gliders, homebuilts, and ultralights. A full 6-watt carrier and 20-watt PEP output ensure that you will be heard above the general chatter in a busy airspace and the VOX intercom system with music input will enhance your enjoyment of the flight. With the expanded receive range from 108 MHz, the XCOM760 provides NOAA weather reception ensuring that you are always aware of impending weather conditions. The XCOM 760 will also operate down to a 108 MHz so you can receive the VOR channels. Additional safety enhancements such as dual watch allows the pilot to listen to the standby frequency while still monitoring the primary frequency. The XCOM 760 also has 99 memory channels, large volume and channel selector knobs and well spaced buttons. This radio is extremely easy to operate even when wearing flight gloves and you can even check the condition of your battery with the built-in voltage monitor. Software update capability and Internet downloads mean that you are always provided with the latest features. The XCOM 760 offers superior quality, enhanced features and improved performance over many of the more expensive airband radios, without the high cost found in other brands. **FEATURES:** • New easier to read LCD screen • Several software updates • Memory scanning of up to 99 memory channels • Streamlined software increasing reliability and performance • Music/Second comm input is now user selectable for another VHF, HF or Music input • Added sidetone volume adjustment • Improved AGC controls for close and powerful stations • Improved speaker output for glider operations P/N 11-02206



COM INSTRUCTIONAL DVD WIN XP

Instructional DVD explaining the complete operation and set-up of the XCOM VHF Transceiver. 30 minutes duration. P/N 11-05674

COM UNIVERSAL STAINLESS STEEL MOUNTING BRACKETS



Designed for the XCOM VHF aircraft transceiver but equally suitable for any other radio or instrument with the same 2 1/4 inch mounting hole. Can also be used in the Marine or automotive environment.

Manufactured from 2 mm thick 304-2B grade stainless steel for strength and corrosive resistance. Two 6.5 mm holes are provided for conveniently mounting switches such as the intercom ON/OFF/Isolate and the backlight switch. Blanking plugs are factory fitted to maintain the appearance if the holes are not used. Can be installed in any orientation e.g. left, right, top or bottom switches can be mounted horizontally or vertically. Supplied complete with stainless steel screws, washers and nyloc nuts for a secure installation, supplied with earthing strap fitted to the bracket for connection to the radio earth with a quick connect earthing point provided for bonding to the aircraft ground. P/N 11-05678

XCOM DUAL ALUMINUM BRACKET



This water et cut bracket is ideal for mounting two XCOMs side-by-side in a normal aircraft rackmount system. Cut to the exact size required it will save you time and trouble in fitting a dual XCOM system to your aircraft. Comes mill finish in 2 mm aluminium ready for painting. P/N 11-05679



COM GLIDER BOOM MICROPHONE

Boom Microphone - More than 1200 made and used all over the world, 3 year guarantee. P/N 11-05675



COM GLIDER SPEAKER

Glider Speaker - Clear sound and easy to understand 5 watts output 8 ohm. P/N 11-05676

XCOM REMOTE HEAD



The newest addition to the XCOM range is the XCOM VHF Remote Head option. Interfacing with the XCOM VHF, this tiny unit provides remote access to all of the capabilities of the XCOM VHF Radio in one quarter of the space. Ideal for training situations, tandem seat aircraft, limited space installations or simply to provide easy access for both pilot and co-pilot, this unit duplicates the entire XCOM VHF display and provides full access to all functions except power on from the front panel of the radio. The connection between the remote head and the XCOM VHF radio is via a simple cable allowing all of the controls on either panel to be duplicated on the remote. When the master unit is changed, the remote head follows and vice versa. For example, if the pilot in the front seat of the aircraft adjusts the radio to 123.450 then the remote display also adjusts to show 123.450. If the toggle button is pressed on the remote, then the frequencies are toggled on both units. All of the XCOM features apart from powering on can be duplicated with a remote head option. The remote head is extremely small, being less than 1 1/2" deep 40mm, allowing it to be installed in places where the XCOM will not fit such as in the very tight confines of the panel in the Pitts Special. P/N 11-04399

XCOM DELUXE KIT

The XCOM Deluxe package comes complete with XCOM VHF Transceiver, 2 place wiring harness for easy installation, electrolytic capacitor, Comant 121 TSO aerial and 2.5 meters double shielded coaxial cable and plugs. P/N 11-04491

XCOM POWERMATE REGULATOR



The Power Mate regulator is designed to provide a clean DC power source to charge a 12Volt battery when connected to a single phase alternator found on Rota and Subaru engines. The output voltage is electronically stabilised and preset to a maximum output voltage of 14.5V, 8 Amps. The Power Mate has inbuilt overload protection and is supplied with a 15 amp fuse and mounting instructions. Based on hundreds of aircraft worldwide with fantastic results removing engine electrical noise. Short circuit proof, overheating and over voltage protected, water and vibration proof, extends battery life. P/N 11-05673

XCOM VOLTAGE CONVERTER 15-38V



Switch mode voltage converter with soft shutdown and intelligent control. Input Voltages 15 to 38 Volts, Output 13.2 Volts 7 amps. Compact, efficient, short circuit protected, reverse polarity protected, overload protected. Perfect for warbirds. Made in the UK. Lightweight 195 grams 6.8 oz., Mounting bracket supplied. P/N 11-05680

COM FLIGHTCELL 2GO PHONE ADAPTER



Flightcell 2Go connects your cellphone through to your headset with amplified sound for quality audio communications. Features: • Compatible with stereo and mono systems. • Portable & battery powered, works independently of aircraft systems. • Proven Flightcell technology as used by US Air Force. • Auto-on mode - plug and fly. • EMI immunity for GSM and Nextel (iDen) phones. • LED battery and talk/stand-by indicator. P/N 11-05677

COM STEREO VIDEO PATCH CABLE



Seamlessly connect a Stereo or Mono Video Camera, Tape Recorder or Digital Voice Recorder into your aircraft headsets and record all communications between the Pilot and Co-Pilot, ATC and other Aircraft. Perfect for making your own aviation videos with crystal clear narration, flight training or many other uses. P/N 11-05658

ENCODERS - CABIN SPEAKERS



ACK A-30 ALTITUDE ENCODER

Add Mode C capability to your aircraft the most cost-effective way. The ACK encoder is the smallest, lightest, highest quality encoder available today and features the latest solid-state electronics for high reliability. Installation is quick and easy and usually is completed in less than 1 hour. It is compatible with most transponders in use today and reports altitude to 30,750 ft. Includes quick-release mounting tray, 4-ft. color-coded wiring harness with prewired back, static line and fittings for installation in any aircraft, and installation manual with popular transponder pin-outs. 1yr. warranty. P/N 11-01561



ACK A30.8 (MOD 8) ENCODER

The ACK A30.8 Mod 8 encoder is ideal for use with most GPS and TA S systems, and works well with most of today's mode S transponders. Feature Gray code in 100ft. increments and RS-232 in 10 or 100 feet increments. Furnished with a 4 ft. harness, pre-wired back, quick release mounting tray, fittings, static line, and installation manual. Reports altitude to 42,000 ft. One year warranty. P/N 11-02375

AMERI-KING ALTITUDE ENCODERS

The Ameri-King AK-350 is the most advanced blind altitude reporter on the market, extremely accurate and reliable, the AK-350 is compatible with all transponders, is TSO-C88 approved, and reports altitude to 30,000 ft. Only 3.5 x 2.475 and weighs 0.4 lbs. Perfect for pressurized or non-pressurized installations and uses 14V or 28V power. Installation is very simple all accessories and installation instructions are included. 3 year extended warranty. The AK-35, AK-40 and AK-50 encoders are designed for aircraft flying at altitudes higher than 30,000 ft.



| Model | Max. Altitude | Part No. | Price |
|--------|---------------|----------|-------|
| AK-350 | 30,000 ft. | 11-12010 | ..... |
| AK-35 | 35,000 ft. | 11-12011 | ..... |
| AK-40 | 40,000 ft. | 11-12012 | ..... |
| AK-50 | 50,000 ft. | 11-12013 | ..... |
| AK-60 | 62,000 ft. | 11-01250 | ..... |

NARCO AR850 ALTITUDE ENCODER



15 Pin FEATURES: • Solid State Sensor Reports Altitude to 30,000 ft. • Meets or Exceeds FAA TSO C88 Requirements • Designed to be used in non-pressurized, temperature controlled environments • Can be installed behind or beneath your instrument panel • Operates independently of other altitude reporting equipment • Highly Compatible • Compact and Lightweight • "Blind" Encoder means removal will not ground the aircraft • Operates on 11 to 32 VDC with only minimal power drain • Available for 30,000 ft. • Size: 4.3"x1.74"x6.4"

15 Pin.....11-01564

25 Pin.....11-19875

TRANS-CAL ALTITUDE ENCODER MODEL SSD120-30N

42 months manufacture direct replacement. * Average MTBF 9.7 years. That's right Trans-Cal encoders are among the most reliable on the market, commonly providing reliable service for over 10 years. * Pin for pin replacement for most other manufacturers encoders. * Comes with Mating Connectors with Cable Clamps, and Mounting Bracket. * Optional Available with two independent RS232 serial data ports selectable message protocols for most popular avionics interfaces. Programmable for 100 and 10 resolutions. See Part No. 11-06983 * Optional Available with adapter plates that will allow the installer to mount the unit in another manufacturers mounting tray. Specifications * Size 2.5 x 3.42 x 1.38 L. * Operating temperature: -20°C to +70°C * Operating altitude: -1000' to 30,000 Available in altitudes from 30,000 up to 100,000 * Accuracy 50 from -1000 to 30,000 * Weight 5.9 oz. * Will operate on either 14 or 28 VCD at 0.270 Amps. * No Warm-up time: +20°C to +70°C -20°C to +20°C 30 sec P/N 11-06489



TRANS-CAL ALTITUDE ENCODER MODEL SSD120-30N-RS232

Best warranty in the business 42 months manufacture direct replacement. If your Trans-Cal encoder experiences a warranty covered failure, we will replace your unit with a brand new unit with a new 42 month warranty. Average MTBF 9.7 years. That's right Trans-Cal encoders are among the most reliable on the market, commonly providing reliable service for over 10 years. Pin for pin replacement for most other manufacturers encoders. Optional Available with adapter plates that will allow the installer to mount the unit in another manufacturers mounting tray. Features * Operating temperature: -20°C to +70°C * Operating altitude: -1000' to +30,000' * Accuracy: 50 from -1000 to 30,000 * Weight * Will operate on either 14 or 28 VCD at 0.270 Amps. * +20°C to +70°C, -20°C to +20°C 30 seconds. P/N 11-06983

MICROAIR EC2002 ALTITUDE ENCODER



Microair Avionics is pleased to announce the EC2002 altitude encoder. The EC2002 will accurately report the aircraft's altitude from -1000 to 35,000ft. The altitude output will be via the 10 line Gillham Gray code. The EC2002's accuracy has been measured as a 40 foot drift over 35,000 feet. The EC2002 will have the lowest power requirements of any altitude encoder today. The EC2002 will have a typical current consumption of 100mA, this makes the EC2002 the logical choice for all battery only operators. The EC2002's small size and light weight make installation very simple. The chassis is flanged, and is predrilled with mounting holes for easy attachment. The connections for the EC2002 consist of the well known DB-15 electrical connector with pin assignments identical to many existing encoders, and a 1/8" NPT fitting which is an industry standard for aircraft equipment. These connections make the EC2002 compatible with all ATC transponders currently available. P/N 11-05105

SANDIA SAE5-35 ALTITUDE ENCODER



The SAE5-35 altitude encoder from Sandia is small, high, lightweight 12 oz. and utilizes Gillham Grey code in 100 resolution for optimum performance and accuracy. Features two RS232 outputs in 10 foot resolution, simplifying installations. All connectors are on the same side for easy mounting, and digital calibration eliminates analog drift. Altitude In-Flight Monitoring AIM mode alerts the pilot when he strays off altitude. Requires virtually no warm up time and uses very little power. Fully TSO'd and backed by factory 3 year warranty. Power 11-33VDC. P/N 11-00665

ICARUS MODEL 3000U



The Icarus Model 3000 Altitude serializer connects to the existing Mode C encoder in the aircraft. It converts the gray-code into a decimal format and sends it to the GPS receiver using a serial connection. It will function with Trimble, Garmin 150, Northstar, and Apollo GPS receivers.

Features

- Northstar has tested and approved the 3000 for use with its GPS receivers.
- Garmin has tested and approved the 3000 for use with its approach approved GPS receivers.
- Trimble Navigation has tested and approved the Model 3000 for use with its GPS aviation receivers.
- Ilmorrog has tested and approved the Model 3000 for use with all of its GPS aviation receivers.
- Note Please advise if transponder is a Narco AT-50 or 50A. or a ilco 1014.

Specifications

- Weight 5oz.
- Power requirements 10 to 30 vdc at 20 ma. must be fused
- Size 4.2 x 3.1

P/N 11-04692

AIRCRAFT CABIN SPEAKERS



Engineered for 10,000 hrs. of performance, minimum, these flame retardant speakers sound clearer and last longer. The magnet assemblies are heavier than original equipment, yet the overall speaker depth is only 2". The voice coils are heat-proof to withstand high power levels the gaskets are treated with a moisture barrier, for unprecedented reliability.

| Part No. | Size & Description | Mag. Wt. (oz.) | Imp. (ohms) | Prog. Power (Watts) | Depth | Price |
|----------|--------------------|----------------|-------------|---------------------|-------|-------|
| 11-01569 | 5.25 P.C. | 5.5 | 3.2 | 7 | 2-1/8 | ..... |
| 11-04649 | 4.6 Oval | 4.8C | 3.2 | 10 | 1.550 | ..... |
| 11-04646 | 6.5 P.C. | 4.8C | 3.2 | 10 | 2.018 | ..... |

AV

MICROAIR – BECKER – APPROACH HUB



MICROAIR 760 COM REVISION P

Designed and manufactured in Australia, the Micro Air 760 V F transceiver is ideal for aircraft requiring compact size and low power consumption. It has many of the features not found in radios costing much more and includes features not available in any other units. It's compatible with a variety of speaker microphone combinations including all general aviation microphones. Standard model mounts in a standard 2-1/4 panel hole and weighs only 19.4 oz. It has been proven in high noise environments such as Rota 2-stroke engines and is excellent for gliders, Ultralights, a general aviation aircraft. A unique LED multifunction annunciator located at the top right of the unit provides several alerts, and an external memory toggle switch allows remote control of the memory frequencies. Transmit output 4, Size 2.56 2.44 7.779 d, 14V. Standard 2-1/4 model..... P/N 11-18700.....

Accessories
 Gooseneck Mic. - Excellent for Gliders..... P/N 11-18705.....
 MS 70 Twin Glider harness..... P/N 11-07113.....
 760 Revision P 15 Pin harness..... P/N 11-06306.....



MICROAIR T2000 TRANSPONDER

The Microair Avionics T2000SFL Transponder is a mode 3A/C aircraft transponder designed to operate in an ATRBS environment. The T2000SFL has been designed to meet RTCA/DO-144 requirements, and has been tested to DO-160D for environmental and EMC requirements.

The T2000SFL software has been developed and approved under RTCA/DO 178B requirements. The T2000SFL is a small lightweight transponder with low power requirements. The T2000SFL is compatible with any C88a compliant altitude encoder, and offers the following features * Mode 3 A response 4096 codes * Mode C altitude response * SPI indent response * Encoder Altitude displayed * Altitude Alert 1 / LO * Voltage alter OV / V * Security coding of serial number * Option to power encoder only in mode C operation.

| Description | Part No. | Price |
|-----------------------------|----------|-------|
| T2000SFL Transponder | 11-00990 | . |
| Transponder Combo kit | 11-02866 | . |
| T2000 K iring harness | 11-01361 | . |
| T2000 Coa Kit 2.5M | 11-02862 | . |
| T2000 Coa Kit ABIR | 11-02863 | . |
| ORKS Combo kit | 11-02867 | . |
| DEL XE Combo kit | 11-02868 | . |
| orks Glider Single w/AK350 | 11-02873 | . |
| orks Glider Twin w/AK350 | 11-02874 | . |
| orks Glider Single w/EC2002 | 11-05080 | . |
| orks Glider Twin w/EC2002 | 11-05081 | . |
| Microphone MIC-45 | 11-02864 | . |
| SP01 Speaker Bo | 11-02865 | . |



APPROACH SPORT HUB AVIONICS WIRING SYSTEMS

Simply install the appropriate Approach hub for your instrument panel basic, VFR or IFR, select the appropriate Approach cables for your avionics, and plug it in and your done. Upgrading and replacing avionics only requires a new Approach cable and future maintainability is greatly enhanced eliminating most hand writing and troubleshooting. All cabling is MilSpec Tefzel and complies with FAA AC43-13B.

STEP 1: Select the appropriate Approach hub for your instrument panel configuration.

Sport Life Hub for basic instrument panel configuration - The Sport Lite Hub Systems is an all-inclusive hub and cable solution enabling you to install a GPS/Com and intercom in record time and designed for pilots that don't require a full panel, just a single radio and intercom. Perfect for kit planes, sport-life planes, aerobatic aircraft. P/N 11-01457.....

Sport Hub for R instrument panel configurations - The Sport Hub and Cable System is compatible with most NAV/GPS/Com single dual, modern audio panels, intercoms, moving map displays, VOR indicators and any other RS-232 formatted device. P/N 11-01458.....

Pro Hub for I R instrument panel configurations - The Pro Hub and Cable system is designed for a full Garmin, Apollo, or King/Bendishack. The Pro Hub system is compatible with most NAV/GPS/Com single dual, modern audio panels, auto pilots, intercoms, moving map displays, VOR indicators, SIs, RMIs, ADFs, annunciators, mode control and any other RS-232 formatted device. P/N 11-01459.....

Pro G Hub for Garmin Stacks..... P/N 11-01893.....
STEP 2: Now choose the Approach cables for your specific avionics. Note that certain cables work only with certain Approach hubs. Cables for the same avionics have different part number for different hubs. Call us if you do not see the cable require. Approach continually releases new cables. The Approach Sport Lite Hub is bundled with and only supports two Approach cables.



BECKER MODE S BXP-6403-2

Single block Mode-S transponder. Certified according to ETSO-2C112b and is suited for VFR and IFR operations up to 15000 feet. E tended squitter and SI code function and it provides an interface to the central aircraft data system. It allows ELS, supports E S, as well as ADS-B via e tended squitter. Designed for slide-in mounting and fits into a 160.3 41.28 mm cut out. The use of an adapter allows for retrofit in a KT 76 A tray. Panel inscriptions and sunlight readable display can be illuminated and dimmed for night operation. The display shows the actual settings. The transponder is prepared for the connection of blind encoders from different manufacturers. The encoder can be connected to the transponder by a serial or parallel interface. Supply voltage 10.0 V to 33.0 V DC. Power-up time 2 sec internal self test. Operating modes Mode A, Mode A C, Mode S. Vibration resistance Cat s. Curve M. umidity Cat. A/ 50 degrees C eight appro .1kg.

| Description | Part No. | Price |
|---|----------|-------|
| Transponder with installation kit for retrofit of KT76A - for VFR installation type 175 watt power output | 11-06608 | . |
| Transponder with installation kit for retrofit of KT76A - for IFR installation type 250 watt power output | 11-06609 | . |
| Transponder with installation kit for new installation class 2 fr VFR install type 175 watt power output | 11-06694 | . |
| Transponder with installation kit for new installation class 2 fr IFR install type 250 watt power output | 11-06695 | . |

BECKER ATC 4401 TRANSPONDER

2 1/4 ATC 4401 has the same look and similar size as the successful transceiver AR4201. Outstanding performance combined with low power consumption is provided in 2 certified versions ATC 4401-250 w/ min. 250 transmit power and ATC 4401-175 w/ min. 175 transmit power. Certified according TSO TSO regulations. The sunlight readable display is illuminated for night operations. The display shows in addition to the transponder code also the current flight level, if an encoding altimeter is connected and Mode-C is selected. it operates from 9.5 to 32.2v DC, suitable for almost every application in general aviation. A standard encoding altimeter or blind encoder can be connected.

ATC 4401 175P/N 11-01094.....
 ATC 4401 250P/N 11-01095.....
 1K4401 harness.....P/N 11-07320.....



COMBO-175 (COMPACT COM+XPDR)

Includes AR 4201 ATC 4401-175
 P/N 11-01096.....

COMBO-250 (REMOTE COM+XPDR)

Includes C 5209 RT3209- 11 C 5401
 ATC3401-1-R P/N 11-01047.....



BECKER AR 4201 COM

Offers 760 channels and is intended for use in VFR and IFR equipped aircraft. It is ideal for installation in gliders, motor gliders and small single engined aircraft due to its limited power requirement and 57mm 2-1/4 round format. The equipment has an output of 5-7 . A standby frequency and 99 memories are available which can be easily programmed and recalled. as intercom, panel lighting, voltage indicator, an AF input, automatic test routines, serial interface and optional temperature indication integrated.

P/N 11-01566.....
 Outside Air Temp SenderP/N 11-02190.....



BECKER BXP6401-2-01 MODE-S TRANSPONDER

Single block Mode-S transponder. It is certified according to ETSO-2C112a and is suited for VFR and IFR operations up to 15,000 feet. Equipped with e tended squitter and SI code function and it provides an interface to the central aircraft data system. It allows ELS, supports E S, as well as ADS-B via e tended squitter.

Designed for panel mounting and fits into a 2 inch cut out.
 P/N 11-05326.....
 Becker 1K6401 harness P/N 11-07192.....

PS ENGINEERING IFE - AUDIO PANELS



PAV 80 IFE SYSTEM

The PAV80 system incorporates AM/FM radio, CD/MP3/MP3Pro for music, plus the added dimension of DVD video. The PAV80 system is a panel mounted player unit, which contains the DVD mechanism, as well as the AM/FM radio. A 5.6" Liquid Crystal Display LCD video terminal provides full color pictures. Up to 4 displays can be driven, using an optional video distribution amplifier. Multi-tasking capability. When coupled to an audio control system, such as PMA7000B, the pilot/copilot can listen to the radio, while the DVD movie audio is provided to the passengers or visa versa. This feature gives the aircraft occupants unprecedented control over their audio entertainment. Music in front, movies in back, and a full intercom conversation, with aircraft radio muting of the entertainment as desired with compatible system. By taking full advantage of the independent inputs designed into our audio panels, we have tailored the IFE outputs the way today's aircraft are used in cross-country travel. Designed specifically as a general aviation entertainment system by pilots for pilots, and incorporates the most asked-for features in an IFE system.

- PAV 80 AM/FM/CD/MP3/DVD player P/N 11-02221
- Video Distrib. Amp for PAV80-0100..... P/N 11-02550
- 5.6" color LCD display for PAV80-0100..... P/N 11-02551
- P.S Remote IR Sensor For PAV80..... P/N 11-05157

PS ENGINEERING PCD 7100 STEREO INTERCOM/CD PLAYERS



PCD 7100 series, from PS Engineering, is an integrated Intercom and CD player designed specifically for aircraft installations. PCD7100 incorporates PS Engineering's exclusive IntelliVo™, automating the digitally controlled intercom squelch. The PCD7100 has music and intercom volume controls for adjustment of the audio levels. The 5 back-lit CD push button controls that have LED mode annunciation are Play/Pause, Skip, Repeat, Stop

Etc. In ISO mode, the pilot hears only aircraft radio traffic, without music or intercom interruptions. In crew mode, the pilot and copilot hear the internal CD player and radio traffic. An automatic fail-safe feature EMG connects the pilot directly to the aircraft radios if power is removed from the PCD7100 for any reason. Both the pilot and copilot have transmit capability over the aircraft radios. In ALL mode, all intercom positions hear the aircraft radios and the CD Player, with PS Engineering's proprietary SoftMute™ circuit. Now available in either a standard CD player or it can now be ordered with the MP3 player option. Installation is the same, and the units look identical, the difference is the units that can play MP3 discs can have almost 20 hours of continuous music on a single disc using the MP3Pro format

- PCD 7100-I w/Digital Recorder P/N 11-00540
- PCD 7100-P i-Fi Stereo Std. Rack width CD Player P/N 11-00541
- PCD 7100 - 6-PI Stereo IntelliVo w/MP3... P/N 11-01851

PS ENGINEERING PXE 7300 IFE SYSTEM



An inflight entertainment system specifically designed for general aviation airplanes. Can play CDs, MP3 recordings, and contains an AM/FM receiver. The PXE7300 is the first

we know of that is not an adaptation of automotive technology. Meets all of the FAA TSO standards to ensure no interference with other avionics, fits in the normal radio stack and plays through any standard aircraft audio control. Approved for installation under an STC. As soft mute feature that lowers volume from the entertainment system for the pilots when a comm signal is received. Passengers hear uninterrupted entertainment. The CD drive is a sturdy unit designed for the aviation environment and plays only a single disk, but if you create your own MP3 disks, you can fit more than 250 songs on a single disk. The AM/FM receiver is designed certified to not interfere with the VOR/LOC frequencies, not an easy task for FM, and has special logic that helps it discriminate between broadcast signals on the same frequency. At altitude, AM/FM radio receives competing broadcast signals because frequencies are assigned based on the receiver being on the ground. The PXE7300 identifies the strongest signal and rejects any others on the same frequency, so you hear only one radio station at a time. No external antenna required. A thin strip antenna can be mounted inside any cabin window, where it is out of the way and probably out of view while still providing excellent AM/FM reception.

- P/N 11-01767

MB 10 MARKER BEACON RECEIVER



The MB10 is a 3-light 75 MHz Marker Beacon receiver and indicator. This provides the necessary Marker Beacon lights and audio indications necessary for an Instrument Landing System ILS approach. A switch labeled Hi/Lo/TST allows the pilot select high or low sensitivity as well as test and mute modes. P/N 11-05621

PS ENGINEERING PMA 6000 AUDIO PANEL / INTERCOMS



The PMA6000 combines an audio selector panel with a top-quality intercom and a slew of features to enhance versatility and utility. Among the high

points * Designed to be pin-compatible with the popular Bendi /King KMA-24 audio selector panel, the PMA6000 takes advantage of existing wiring to smooth installation. * Built-in 6 place mono intercom provides synergistic capabilities. The PMA6000 has a built-in marker beacon receiver. * Split mode allows the pilot and copilot to independently and simultaneously use both radios, even transmitting simultaneously on different frequencies. * Pilot and crew/passenger isolate functions are an integral part of the design. * Dual music inputs for passengers and crew are standard feature. * Independent volume and squelch controls for pilot and copilot are standard. * PSE's renowned Soft Mute technology gently and subtly ramps the music down when conversation comes across either the intercom or the radio. * A patented swap function Patent 5,903,227 allows pilots to use a yoke-mounted switch to select Com 1 and Com 2 options without reaching for the panel. * High quality, voice-activated circuitry and individual microphone channels form the heart of the intercom system. * Passengers have their own voice and audio amplifiers. * Backlit switches linked with a photo sensor carefully calibrates panel lighting to cockpit levels for all situations. * Fail-safe feature automatically hard-wires the pilot to Com1 in the case of an outage. A Digital Recorder is available as an option. This continuous loop digital recorder stores all aircraft radio activity on the selected transmit radio. Up to 1 minute/16 messages are stored.

- PMA 6000 Audio Panel P/N 11-11937
- PMA6000MC Audio Panel w/ Marker Beacon... P/N 11-01083
- Option 1 Digital recorder P/N 11-02543

Call for Special Prices

PMA 7000B/7000H AUDIO PANEL



Lends itself nicely to upgrading an existing Bendi /King KMA24 audio panel. KMA24 pin compatible. None of the existing wires going to the

KMA24 have to be disturbed, thus reducing the amount of installation. With our renown 6-place IntelliVo™ automatic Voice Operated Relay VOX intercom system, adding a squelch circuit is a thing of the past. No more clipping or missed syllables. Provides 3-com capability with the option to easily convert Com 3 to a full duplex cellular telephone interface. Also has the pioneered Split Mode. Allows the pilot to be on Com 1 while the copilot is on Com 2. Also expandable to accommodate up to 12 places 10 passengers with the addition of the 11606 IntelliPa. As four un-switched and un-muted inputs. This adds flexibility when installed with today's advanced warning systems.

- Adding all of the capabilities of the popular PMA7000B, the PMA7000H adds 3 more passenger positions total of 7 passengers with Pilot and Copilot seats, Cockpit Voice Recorder CVR output, and Push-To-Talk Intercom PTT-ICS function. better known as Hot-Mic
- PMA7000B Audio Panel..... P/N 11-01635
- 6 Place expansion for 7000..... P/N 11-02544
- Option 1 Digital Recorder..... P/N 11-09052
- 7000CD MP3 Audio Panel w/CD and MP3... P/N 11-01850
- 7000CD Audio Panel CD/MP3/Marker Beacon... P/N 11-02545
- Option 1 7000CD with Digital Recorder P/N 11-02546

PAC 24 AUDIO PANEL/INTERCOM



Designed from the outset as an upgrade/replacement for the popular KMA24 71.

Many of the enhancements include a powerful headset audio amplifier, and high-performance IntelliVo intercom, dual audio capability in a single box, full duplex mode for wireless operations, and expansion capability with stereo IFE input. Can accommodate 5 transceivers. A monaural system, the PAC24 can include a music input. SoftMute™ silences music during radio traffic, but allows music other times. Incorporates a split mode that will allow a single audio panel to separate two pilots on different transceivers. When combined with IntelliPa expansion system, the dual PAC24 can be a 14-place system. The audio amplifier is capable of providing 120 milliwatts into general aviation headphones.

- Horizontal Mounting P/N 11-01293
- Vertical Mounting..... P/N 11-05507

PS ENGINEERING ACCESSORIES

- PS Engineering cellphone cable. P/N 11-04376
- PS Engineering music cable P/N 11-04377
- Digital Recorder Aural Warning System w/ 4 unswitched inputs P/N 11-05158
- FM Radio Adapter allows interfacing of non-standard aviation radios P/N 11-05159
- 4 Channel Summing Amplifier..... P/N 11-05160



PS ENGINEERING AUDIO PANELS — VAL COM



PMA9000EX AUDIO PANEL

Built with the wish List from the OEM builder the PMA9000EX brings to the cockpit more capability than any other audio panel. The backlit Liquid Crystal Graphics Display. At a glance see what radios are selected, titles of songs, and message alerts. A host of audio panel configurations can be changed with a twist of the Rotary Data Knob. Front panel utility rack acts as an iPod input, telephone input, or SB port for the onboard MP3 player. This SB port allows the crew and passengers to download music from a memory stick, providing hours of continuous music listening. Bluetooth interface eliminates the wire clutter that used to be necessary to connect telephones. 5 different ways that any two of the three music inputs can be distributed. None of the capabilities of the PMA8000B have been lost. It too is plug and play with the GARMIN GMA340.

9000EX Audio Panel..... P/N 11-05587.....



PMA 8000B AUDIO PANEL

Front-mounted, 2.5mm multipurpose rack give pilots unprecedented access to their audio panel, allowing connections to cell phones, portable music devices, or audio announcements directly into the audio panel. 6 user configurations that are front panel selectable. When used as an entertainment input, the music is directed to the crew, and PS Engineering's patented SoftMute™ functions normally. Our original Karaoke Mode™ can be activated by pressing the front panel Mute button, allowing the music to be placed in the background while interruptions to the music will be eliminated. However, if the aircraft has a panel mounted music device and it is active, it changes the front rack for advisory messages. These alert messages are not muted, and presented to the crew headphones only. Also is a convenient way to connect your cellular telephone. Pilot can receive and transmit on the selected V F COM with ATC as well, for seamless integration in the cockpit. Cellular telephone use in flight is not permitted, but remains a convenient and safe way to contact air-traffic control or a weather briefer while on the ground. Virtual Tech Support VTS voice prompts each special function selection assuring that the pilot knows exactly what the new audio panel configuration is, in plain English. Six different configurations can be selected from the front panel. Internal Recording System IRS is now standard equipment. Backward compatible with the PMA8000. Note use of the front panel rack is restricted to advisory information only, from portable systems. Signals required for certified equipment must be interface in accordance with their specific installation manuals.

PMA8000B Audio Panel..... P/N 11-04354.....
 PMA8000B-MP3 - PMA8000B with an internal MP3 player with 1GB of music storage..... P/N 11-06612.....
 Music Cable..... P/N 11-04377.....
 Cell Phone Cable..... P/N 11-04376.....



PMA 8000-SR AUDIO PANEL

An audio selector panel for two V F COMS including our split mode, a dedicated cellular telephone interface, a 6-place IntelliVo stereo intercom with dual independent music inputs, and an internal marker beacon receiver with 3-light indicator. True plug-and-play replacement for the GARMIN GMA340. Patented IntelliVo automatic intercom squelch system eliminates all of the traditional knobs or push buttons. Using digital processing, the system determines if the microphone is picking up voice, or aircraft noise. It opens instantly when voice is detected. This makes conversations seamless, even in a noisy aircraft. Karaoke mode, allowing the music to play continuously without constant interruptions. TEL mode allows the pilot to access a hands free cellular telephone, where appropriate, through the audio panel and headset. Various front panel intercom configurations allow anyone in the aircraft to be placed on the cell phone, while the crew also remains connected to the communications radios. Configurable music inputs as well, allowing the pilot to tailor who hears what when. So with the addition of the PAV80 or PXE7300, the added dimension of DVD or MP3 can be easily added. NOTE When flying near around highly populated cities, signal drop may occur due to ground based repeater interference.

Audio Panel PMA8000-SR without Recorder P/N 11-02982
 Audio PMA8000-SR with Recorder..... P/N 11-03002
 Recorder for the PMA8000-SR Audio Panel P/N 11-06999

PS Engineering audio panels and intercoms can be sold over the counter but must have a PS Engineering dealer make the harness or the warranty on the unit is void. Harnesses can be ordered from PS Engineering direct or when ordering from Aircraft Spruce.



AP 100 AUDIO PANEL

Satisfies the need for the convenience of a fully functioning quality audio panel that can be counted on to provide years of reliable service. Non-TSO d for experimental aircraft only. Features: •COM 1, COM 2 transmit select. •NAV 1, NAV 2 audio switching and amplified speaker output. •Marker audio mute reset and active mic key indicator. •Four unswitched audio inputs for the full IFR panels. •Fail-safe feature that connects the pilot's mic and headset to COM 1 when the unit is powered down. •Slim size, only one inch vertical space. •TSO March 2007 Specifications: •Physical Dimensions: 1' x 6.25" x 6" •Weight: 2 lbs •Mounting: Panel-mounted. No shock mounting required. •Power Requirements: 12VDC, 0.5A max.

P/N 11-04768



VAL AVIONICS NAV INS 429

The NE INS 429 is a high quality, multi-function, fully integrated navigational instrument. Not only does it sport its own internal receivers, it will also display course deviation information from an external NAV or GPS source. A perfect solution for a crowded panel.

P/N 11-05592.....

VAL AVIONICS COM 2000 VHF TRANSCEIVER

The COM 2000 is the smallest panel mounted COM radio available. Turning back to a more traditional design, it features dual concentric knob controls, displayed active and standby frequency with push button flip-flop and manual squelch control. 3/8 character display is easy to read from any angle and any lighting.

P/N 11-06411

VAL INS 422 VOR/LOC/GS/MB

The INS 422 is a high quality, multi-function, fully integrated navigational instrument designed as a complete, stand-alone unit, supplying 4 basic navigational aids VOR w/digital course select, Automatic Radial TO Centering feature, Localizer, Glideslope, and Three Light Marker. The units digital display will define the CDI indications. CDI output data is also available at the rear connector for easy interface with most Autopilots. Aluminum construction offers a lightweight yet very durable unit, which will provide years of reliable service. This instrument mounts in a standard round 3.125 inch mounting hole.

Automatic Radial Centering To determine the bearing TO a VOR station with conventional course indicators, it is necessary to manually rotate the OBS to center the course deviation pointer. With the Automatic Radial Centering feature provided on the INS 422 system, this is done automatically when the external momentary button is pushed. Pushing the remote automatic radial centering button enables circuitry to automatically position the digital CDI indication to provide a one-time radial TO the VOR station. The digital indications displayed on the CDI will then return to conventional operation, permitting the radial to be flown in a conventional manner. TSO d P/N 11-01040.....



VAL INTERCOM

Val Avionics 801010 intercom is a two-position push-to-talk intercom system designed to operate exclusively with the Val COM 760 radio. It is ideally suited for noisy environment aircraft applications where traditional VOX system operations are diminished.

P/N 11-02964



VAL VOLTAGE CONVERTER

This unit is a step down voltage converter that drops 28 volts DC down to 13.8 volts DC. This unit would be required to operate either our COM 760 TSO or INS 422 TSO units in an aircraft or vehicle that are 28 volts DC. P/N 11-02963

IN-FLIGHT CABIN ENTERTAINMENT SYSTEMS



AVIONICS INNOVATIONS AICD III AM/FM/CD/MP3 PLAYER

The AICD III is the latest way to listen to your favorite CD/MP3 or radio station in flight. Designed for aviation has an attractive brushed aluminum bezel to enhance your instrument panel. Comes with easy install kit to mount directly into your instrument panel.

Features * FAA/PMA Approved * 24 Station Presets * Automatic Frequency Store * Seek p/Down Tuning * Electronically Controlled Volume/ * Bass/Treble/Balance * 11-33 Volts DC * 6.25 2 9.25 Inches * weighs 3.5 Pounds * Can be connected to Sirius Satellite Receiver or AI-8 Changer * Au input for an mp3 player * Remote Control
AICDIII AM/FM CD/MP3/ MA S..... P/N 11-05151
AICDIII A/FM CD/MP3/ MA E RO..... P/N 11-05150.....



AVIONICS INNOVATIONS DMP-100

This Digital Media Player is a self-contained unit which stores and replays pre-recorded audio tracks. The audio tracks are encoded in Motion Picture Expert Group MPEG Level 3 format, commonly referred to as MP3. Audio files are stored in a removable Compact Flash™ memory card which is prepared and installed by the user. **Features:** * Self-contained unit which stores and replays MP3 music and speech files. * MP3 files are stored on a standard Compact Flash card. * MP3 play lists iPod can be imported. * One MB = one minute of speech or, music. Currently, Compact Flash cards are available up to 4gb. * p to si teen languages can be programmed with the ability to play two different languages simultaneously. * The DMP-100 can be implemented as a cabin briefer. * Audio files can be selected via a single rotary push-button on the front panel. * Optionally, the DMP-100 can be connected to a maximum of seven external discrete trigger inputs to select a particular audio/speech file. * In addition, the RS232 data from a GPS can be connected to the DMP-100 allowing triggering of audio / speech files based on geographical position. * The DMP-100 provides a single pair of ground-referenced stereo line-level output signals. * ser programmable with Avionics Innovations exclusive Card-Prep software supplied with the DMP-100. **Benefits:** * ours of continuous music and or speech files can be stored on a convenient Compact Flash card. * No more changing and maintaining of CD s. * Can be used for entertainment and or cabin briefing. * Single rotary knob with a push-button action for all front panel functions. * MP3 play lists iPod can be imported. * ser programmable. * GPS can be connected to the DMP-100 to trigger either speech or music automatically when the aircraft is within a specific distance of a certain waypoint. * FAA/PMA approved. DO-160D tested. **Specifications** * Power source 11-33 Volts DC * Ground System: Negative * Current Draw: < 250 mA * Audio Output Stereo line-level * Dimensions 5.75 1.875 3.5 D * Mounting Type Dzus-Rail Mount adapter available for 6.25 racks * eight 15 oz

AI DMP-100 MP3 Player P/N 11-03608.....
AI DMP-100NVG P/N 11-07253.....

AI - AV VIDEO SWITCH SYSTEM
This new Cabin Class System will allow you to switch between 4 video 6 audio sources simultaneously from up to 8 seat stations. **Features:** • 4 video (composite) inputs • 6 audio inputs (adjustable input levels) • PA override • Up to 8 passenger control stations • Separate volume control at each station • Listen or view any source from any station • Activate an external amplifier • Custom plating available.
4 Seats..... P/N 11-01174
6 Seats..... P/N 11-01175
8 Seats..... P/N 11-01176

AVIONICS INNOVATIONS CD 8 DISC CHANGER
• 11-33 VDC • Horizontal Or Vertical Mounting
• 9x2.75x6.25 Changer • 4lbs
P/N 11-07254



AI-DVD / 8 DISC CHANGER

The AI-DVD AM/FM Stereo Disc Changer System allows you to view DVD movies or listen to your favorite CDs or radio station.

Features: • DVD audio, DVD video video CD & music playback • Anti-shock memory • Floating mechanism • Front & rear program capability • 5V high voltage preamp outputs • 18 FM and 6 AM presets • Full function remote control • Auxiliary input
AI-DVD / 8 Disc Changer P/N 11-01173

AI - AMPLIFIER



The AI-Amplifier is the perfect companion to all our entertainment products. Enjoy your favorite music without the extra weight and confinement of headphones. **Specifications** * FAA/PMA Approved * 20 watts Per Channel Maximum * Low Distortion * 28 Volt * 2 Channel Output * 5.75 X 5 X 2 Inches * weighs 1.5 Pounds. 28V P/N 11-19504

AI - DVD/CD PLAYER



Remote mounted multi-regional DVD drive which allows you to view DVDs from any region around the world. The unit also is a CD/MP3 player.

Requires PC Passenger Control unit for operation. PN 11-04495

Specifications * Operating Voltage 11-33 VDC * Current Draw 0.2 Amps * Antenna Externally mounted included * eight 1.2 lbs. * Dimensions 6.25 L 5 1.25

P/N 11-04496

AI-PASSENGER CONTROL UNIT



Passenger Control unit with IR remote. Controls remote-mounted I.C.E. components. Sirius Satellite Radio. DVD/CD, or MP3 player. Two distinct channels allow some passengers to receive one source while others receive a second source. **Specifications** *

Operating Voltage 11-33 VDC * Current Draw 0.2 Amps * eight 0.75 lbs. * Dimensions 125 L 5.5 2.00

P/N 11-04495

AVIONICS INNOVATIONS 10, 12, 15 INCH LCD SCREEN



10, 12, 15 TFT active-matrix LC flat-panel display. Panel mount only. FAA/PMA Approved External Viewing Angle High-Intensity Backlight Drawn-Aluminum Enclosure Rounded Safety Corners Seek p/Down Tuning NTSC Input Signal 1500 NIT 28 Volts DC

| Description | Part Number | Price |
|--|-------------|-------|
| AI 10 Flat Panel Display | 11-07255 | . |
| AI 10 Flat Panel Display Flip Down Display | 11-07258 | . |
| AI 12 Flat Panel Display | 11-07256 | . |
| AI 15 Flat Panel Display | 11-04509 | . |

AI - 7" WIDE SCREEN



7 wide-screen format with optional touch screen **Specifications** * Input Signals 1 VGA and 2 NTSC * Resolution 800 600 * Viewing Angles right/left/above/below 65/65/40/65 * Brightness 1500 NIT * Operating Voltage 18-33 VDC 750 mA * eight 2.5 lbs. * Dimensions 5 7 1.5 D * Mounting Bulkhead, headrest, or articulating arm

Standard P/N 11-04499
with Arm P/N 11-04502

AI - SATELLITE RADIO MODULE



Remote mounted Sirius Satellite Radio module with antenna. 120 streams of coast-to-coast digital quality sound including NFL and NASCAR available 2007. **Specifications** * Operating Voltage 11-33 VDC * Current Draw 0.2 Amps * Antenna Externally Mounted included * eight 1.2 lbs. * Dimensions 6.25 L 5 1.25

P/N 11-04497

AI - VIDEO AMP



Remote mounted video amp with 2 video inputs 6 video outputs. 6 individual 12 VDC power supplies at 0.75 amps each. **Specifications:** • Operating voltage: 18-33 VDC • Current Draw: 2.5 Amps • Wt: 1.0 lbs. • Dims: 6.25 L 2 1.75

P/N 11-04498

AV

RADIORAX - TRAFFIC ALERT SYSTEMS



RADIORAX THE REVOLUTIONARY AVIONICS RAC SYSTEM

Radiora provides flexibility and ease of installation for panel mount avionics. The radiora system consists of anodized slotted rails, stainless nuts, structural strength tray screws that are four times stronger than conventional screws used in aviation, and a stainless capture system that holds each nut where it is needed during assembly. The installer is able to position the nuts in the slot exactly where they are required to install each tray. Once installed, the trays can be easily moved until the screws are fully tightened. Additional nuts can be stored in the

slots for future avionics additions. RadioRa provides great strength, ease-of-alignment, easy change and modification, enhanced quality, owner satisfaction, and is very cost effective.

| Description | Part No. | Price |
|--|----------|-------|
| Radiora Kit 1010-8 for E p. A/C | 11-01376 | . |
| RK1000 Single Stack STC Kit-Standard Rail | 11-01855 | . |
| RK1010 Single Stack Kit-STC for E p. A/C | 11-01856 | . |
| RK1020 Single Stack STC Kit-STC E p. A/C | 11-01858 | . |
| RK1030 Single Stack STC Kit Cirrus/Lancair | 11-01860 | . |
| RK2000 Dual Stack STC Kit | 11-01862 | . |
| RK3000 Triple Stack STC Kit | 11-01864 | . |
| Single Rail - Special Order | 11-01866 | . |
| RX100 Tray Tool Kit | 11-01867 | . |
| RK1005 Cessna Kit | 11-02308 | . |
| RK1040 Single Stack | 11-02309 | . |
| RK2010 Kit -18 dual stack, flange, FAA-PMA, STC d | 11-02608 | . |
| RK2015 Kit - 18 dual stack, flanged outer, FAA-PMA, STC d | 11-02609 | . |
| RK2020 Kit -18 dual stack, reduced outer, FAA-PMA, STC d | 11-02610 | . |
| RK2025 Kit -18 dual stack, reduced outer, FAA-PMA, STC d | 11-02611 | . |
| RK3010 Kit - 18.0 triple stack, flanged outer Full Dim. Center Rail Tray Mount Kit - FAA-PMA, STC d | 11-02612 | . |
| RK3015 Kit - 18.0 triple stack, flanged outer reduced dim. Center Rail Tray Mount Kit - FAA-PMA, STC d | 11-02613 | . |
| RK3020 Kit - 18.0 triple stack, flanged outer Full Dim. Center Rail Tray Mount Kit - FAA-PMA, STC d | 11-02614 | . |
| RK3025 Kit -18.0 triple stack, reduced outer reduced dim. Center Rail Tray Mount Kit - FAA-PMA, STC d | 11-02615 | . |
| RK4000-12 Kit - Standard Closeout Panel - Chem Film - 12 Kit - FAA-PMA, STC d | 11-02616 | . |
| RK4000 - 12A Kit - Standard Closeout Panel - Black Anodized - 12 Kit - FAA-PMA, STC d | 11-02617 | . |

AV

PROXALERT R5 - COLLISION AVOIDANCE SYSTEM



The R5 is a passive collision avoidance system. It detects transponder replies of aircraft flying in your vicinity and displays simultaneously both squawk code, altitude, vertical trend and estimated distance of the 3 closest threats. The R5 will increase your ability to visually locate threat aircraft and better apply the FAA See and Avoid concept. The R5 has been designed to be very robust against interference coming from DME equipment and other sources of disturbance. Offers significant operational improvements over previous generation products at a very attractive price. The R5 comes with a 3 year manufacturer warranty. P/N 11-02782.....

ZAON BOSE HEADSET AUDIO ADAPTER



This custom audio cable is 100% compatible with all Bose 6-pin connector headsets, including noise reduction circuitry, and is stereo compatible. One simple cable is all you need. Replaces standard headset audio cable. 6-foot straight cable into P/N 11-04525.....

MONROY ATD-300 AIR TRAFFIC ALERT



The Monroy ATD-300 provides that continuous traffic awareness in a compact size. Detects all transponder type replies from nearby traffic and displays their proximity and their altitude on a bright 8-character dot matrix display. Simultaneously, a clear female voice provides voice alerts in relation to traffic proximity. It even has a test mode to verify onboard transponder operation. All of this and more in the size of an aluminum box 2.75 w x 0.75 h x 5 d no bigger than your intercom. With the Plug N Fly feature you just plug the ATD-300 into the cigarette lighter for power and the aircraft headphone jack for voice feedback and you are ready to fly. No panel space or installation is required. Velcro and mounting brackets are provided for location on top or bottom of the instrument panel and in the panel. The unit comes with a detachable antenna, cigarette lighter power cord, and headphone cable for Plug N Fly setup. The ATD-300 Traffic-Alert provides multiple capabilities that enhance the safety of flight, such as: • Traffic Range up to 5nm • High/Low Voltage alarm • Traffic MSL Altitude • Auto Mode Display • Voltage Indication • ATD-200 Interchangeable • Traffic relative altitude readout • Host transponder altitude/code readout • Bright LED 8 character dot matrix display Specifications Weight 10 oz. Frequency 1090 Mhz Max Range 5nm. P/N 11-02449.....

ZAON XRX ONYX COLLISION AVOIDANCE SYSTEM



Traffic awareness is everyone's concern, but so has been the cost of traffic systems, until now. PCAS XRX-ON X is the first ever portable, passive, stand-alone collision avoidance system for general aviation to offer direction from within the cockpit. PCAS™, or Portable Collision Avoidance System, is a new solution for providing high-quality, low cost traffic information to the general aviation pilot. XRX-ON X is our flagship model, providing a complete picture in a simple, easy-to-use device. PCAS represents our third generation of proven traffic detection technology. XRX-ON X is truly a Plug and Go device with its built-in antenna system and built-in display.

XRX-ON X ON X UPGRADE SYSTEM The new XRX-ON X, is an upgraded version of the current XRX-A system. The differences include * The code for the new product is XRX-O-A * Improved housing in a new black color * Tough-as-nails polycarbonate housing is semi-transparent and attractive * Software Version 2.1 contains Minor user interface enhancements, Forward compatibility with integrated systems.

An industry first, XRX-ON X detects threat aircraft direction from within your cockpit using a cutting-edge, proprietary, self-contained antenna design. With direction, locating and identifying traffic is simple and easy, and traffic information is three-dimensional, which means it can be displayed on third-party systems, such as moving map GPS devices. Read more about this below. P/N 11-06504.....

XRX BARE WIRE POWER/DATA CABLE - Get XRX Traffic hard wired into your third-party moving map system. Provides hook-up for both the data port DB9 and the power jack on the XRX. The other end of the 68' cable has tinned leads ready for hook-up directly to your third party system. Uses a single lightweight cable for both power and data transmission. P/N 11-06243.....

ZAON MRX COLLISION AVOIDANCE SYSTEM



PCAS MRX is the world's smallest collision avoidance device, yet sacrifices none of the features previous upper-end systems have become known for. MRX displays range and relative altitude of the closest threat, with continuous monitoring of the top 10 threats within the 5 NM scalable detection window. Altitude detection is scalable up to +/- 5000 ft. At 2.5" x 65mm x 42.107mm D x 0.6" x 17mm, MRX is smaller than a deck of cards. MRX uses an easy menu-driven interface and audio annunciations for traffic advisories and alerts. The unit boasts a built-in solid-state altimeter for always relative altitude information, and built-in temperature compensators and overtemp protection. Information is displayed on the high-brightness LED display dimmable. MRX also monitors aircraft bus voltage and host transponder output. The unit is powered by aircraft power 12-40 VDC adapter included or 2 AA Batteries with 8 hours of use. MRX is half the size, 1/3 less price, portable and offers better accuracy and many more features than the ATD-300. P/N 11-05223.....

| Accessories | Part no. | Price |
|---------------------------------|----------|-------|
| MRX Antenna Extension | 11-04518 | . |
| Small Battery Pack | 11-04520 | . |
| International Converter | 11-04522 | . |
| Power and Auto Charger | 11-04524 | . |
| Bose Headset Audio Adapter | 11-04525 | . |
| Helicopter 174 Audio Adapter | 11-04526 | . |
| XRX Interface Cable | 11-05267 | . |
| XPD-X Wire / Power / Data Cable | 11-06243 | . |
| Battery Pack 60- | 11-07027 | . |
| Medium Battery 60- | 11-07046 | . |
| MRX Installation Hardware Kit | 11-07043 | . |
| GPSMAP 696 Interface Cable | 11-07107 | . |

R-A-M MOUNTING SYSTEMS



RAM is the revolutionary unicersal ball and socket mounting wystem that allows you to mount practically anything anywhere. The new yoke / glareshield mounting system gives the pilot an option of positioning the arm over of under the yoke or anywhere on the glare shield. RAM is backed by NPI s renowned Lifetime warranty and is the only patented ball-and-socket system on the market.

STEP

The First Step to finding a RAM Mount is to select a location for a base unit. RAM mounts for aviation can attach to yokes, glare-shields, flat surfaces, wind screens, and seat rails. There is a RAM solution for almost any application you can imagine.



STEP BASES

RAM- - 4-1
SUCTION CUP



RAP- -1 1
YOKE/GLARE
SHIELD CLAMP



RAM- - 0
FLAT SURFACE/PANEL BASE



RAP-333- 4-1
DUAL SUCTION CUP



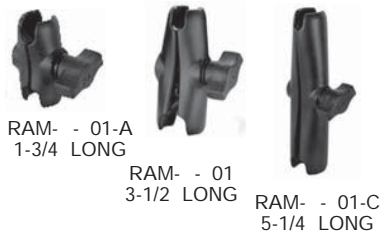
RAM- - 38
SMALL FLAT
SUR ACE ASE



| Model No. | Description | Requires | Part No. | Prices |
|---------------|--|-------------------|----------|--------|
| RAM-B-224-1 | RAM 3.3 Dia Suction Cup w/Ball | RAM-B-201 Series | 11-06449 | . |
| RAP-B-121B | RAM niversal Clamp w/Ball | RAM-B-201 Series | 11-05866 | . |
| RAM-B-202 | RAM Round Base w/Ball | RAM-B-201 Series | 11-07069 | . |
| RAP-333-224-1 | RAM Triple Base w/Dual Suction Cups | RAM-B-202 B-201 | 11-05242 | . |
| RAM-B-238 | RAM Diamond Base w/Ball | RAM-B-201 Series | 11-00471 | . |
| RAM-BM-L1-SB | RAM Leg Strap /Snap Link Mount | older | 11-06484 | . |
| RAP-SB-178 | File Stick on Base /Snap Link Mount | older | 11-06453 | . |
| RAM-B-231 | RAM Rail Base w/ball inc -bolt | RAM-B-201 Series | 11-03460 | . |
| RAM-B-131B | RAM Aircraft Seat Rail Base Cessna | RAM-PF-585 Series | 11-01121 | . |
| RAM-B-316-1 | RAM POD I w/ 1 Single Socket Arm | RAM-B-202 | 11-06428 | . |
| RAM-B-232-0 | RAM 2 1/2 Dia Base w/1/4 NPT hole 0 DG | RAM-PF-585 Series | 11-02085 | . |
| RAM-B-232-45 | RAM 2 1/2 Dia Base w/1/4 NPT ole 45D | RAM-PF-585 Series | 11-04088 | . |
| RAM-B-232-90 | RAM 2 1/2 Dia Base w/1/4 NPT hole 90D | RAM-PF-585 Series | 10-00482 | . |
| RAM-B-241 | RAM Rail base w/ 1/4 NPT hole | RAM-PF-585 Series | 11-00470 | . |



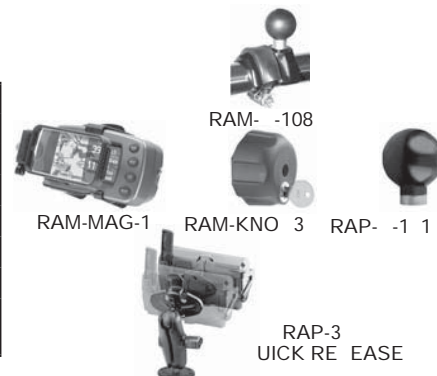
STEP 2: ARMS



| Model No. | Description | Requires | Part No. | Prices |
|---------------|--------------------------------|---------------------------|----------|--------|
| RAM-B-201-A | RAM Double Socket Short Arm | RAM-B-202 or B-238 | 11-03458 | . |
| RAM-B-201 | RAM Double Socket Med. Arm | RAM-B-202 or B-238 | 11-01255 | . |
| RAM-B-201 | RAM Double Socket Long Arm | RAM-B-202 or B-238 | 11-07069 | . |
| RAM-PF-585-6 | RAM 6 Fle Arm w/1/4 NPT ends | RAM-B-232 Series or B-241 | 11-02037 | . |
| RAM-PF-585-9 | RAM 9 Fle Arm w/1/4 NPT ends | RAM-B-232 Series or B-241 | 11-03463 | . |
| RAM-PF-585-12 | RAM 12 Fle Arm w/ 1/4 NPT ends | RAM-B-232 Series or B-241 | 11-03462 | . |

ACCESSORIES / MISC. MOUNTS

| Model No. | Description | Requires | Part No. | Prices |
|-------------|--|---------------------------|----------|--------|
| RAP-326 | uick Release Kit | RAM-B-201 Series | 11-06481 | . |
| RAM-MAG-1 | Magnifying Glass for GPS | RAM-B-238 | 11-04299 | . |
| RAM-KNOB3L | Know w/Keyed Lock 1/4 -20 Brass ole | RAM-B-201 Series | 11-05492 | . |
| RAP-B-121BB | E tra Ball for RAP-B-121B oke Clamp | E tra Ball for RAP-B-121B | 11-06447 | . |
| RAM-B-200-1 | Single Ball Socket Arm for 1 Balls | RAM-PF-585 Series | 11-03461 | . |
| RAM-B-218-1 | RAM Ball / 1/4 NPT. ole | RAM-PF-585 Series | 10-00477 | . |
| RAM-B-108B | RAM V Base Ball Straps For 1/2 -2 Dia. Rail also works on GPSMAP 696 | RAM-B-201 Series | 11-02003 | . |

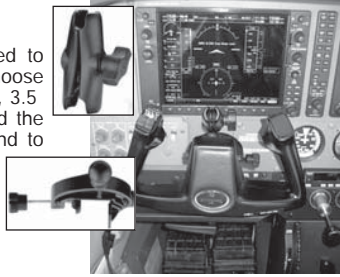


AV

R-A-M MOUNTING SYSTEMS

STEP 2

Once you have a base secured to your aircraft, the 2nd step is to choose a double socket arms are 1.75 , 3.5 and 5.25 long ball to ball and the flange arms are 6 , 9 and 12 end to end.



STEP 3

The 3rd step is to attach the cradle for your device. Most of the cradles will require a 1 ball base that attaches to the cradle to connect with the double socket arm RAM-B 202 or RAM-B-238 .



BASES

RAM- M- 1-S
LEG STRAP / SNAP LINK MOUNT
Does not include cradle. Sold Separately

RAM-S -178
FLEX STICK ON BASE

RAM- - 31
RAIL BASE
1/2 -1 1/4 Dia. Rail

RAM- -131
AIRCRAFT SEAT RAIL BASE
see PF-585 Series Flange Arms to E-tend

RAM- -31 -1
RAM POD 1 - ALUMINUM MINIMUM RIGID ROD



STEP 3: HOLDERS



REMOVAL OF RAM-11



NEED COMINATION LOCK - GARMIN SHIELD
CAMP - RAM-11

RAM-10A



RAM-01A



RAM-11



RAM-11



RAM-HO-GA7



RAM-38



RAM-01

| Model No. | Description | Requires | Part No. | Prices |
|---------------|---|-----------|----------|--------|
| RAM- OL-AP1 | RAM holder for Apple i-Pod | RAM-B-238 | 11-05495 | . |
| RAM- OL-AP2 | RAM holder for Apple i-Pod Nano | RAM-B-238 | 11-06430 | . |
| RAM- OL-AP3 | RAM holder for Apple iPhone | RAM-B-238 | 11-06431 | . |
| RAM- OL-AP4 | RAM holder for Apple i-Pod Touch | RAM-B-238 | 11-06432 | . |
| RAM- OL-AP5 | RAM holder for Apple i-Pod Nano Touch | RAM-B-238 | 11-06433 | . |
| RAM- OL-BC1 | RAM holder for Electronics with Belt Clip | RAM-B-238 | 11-01917 | . |
| RAM- OL-GA2 | RAM holder Garmin GPS II III Series | RAM-B-238 | 11-01920 | . |
| RAM- OL-GA5 | RAM holder Garmin E-Tre | RAM-B-238 | 11-01923 | . |
| RAM- OL-GA6 | RAM holder Garmin GPS 76 Series | RAM-B-238 | 11-01924 | . |
| RAM- OL-GA7 | RAM holder Garmin GPSMAP 176 | RAM-B-238 | 11-01925 | . |
| RAM- OL-GA14 | RAM holder Garmin 76C SERIES | RAM-B-238 | 11-06477 | . |
| RAM- OL-GA15 | RAM holder Garmin EST | RAM-B-238 | 11-06478 | . |
| RAM- OL-GA16 | RAM holder Garmin Etre Color | RAM-B-238 | 11-05243 | . |
| RAM- OL-GA19 | RAM holder Garmin C320, C330 | RAM-B-238 | 11-06479 | . |
| RAM- OL-GA20 | RAM holder Garmin Rhino 520, 530 | RAM-B-238 | 11-06480 | . |
| RAM- OL-GA21 | RAM holder Garmin Nuvi 300 SERIES | RAM-B-238 | 11-06467 | . |
| RAM- OL-GA23 | RAM holder Garmin Nuvi 660 | RAM-B-238 | 11-06469 | . |
| RAM- OL-GA24 | RAM holder Garmin Nuvi 200 250 | RAM-B-238 | 11-06470 | . |
| RAM- OL-GA25 | RAM holder Garmin Nuvi 200 250 | RAM-B-238 | 11-06471 | . |
| RAM- OL-GA26 | RAM holder Garmin Nuvi 750 760 770 780 | RAM-B-238 | 11-06472 | . |
| RAM- OL-GA27 | RAM holder Garmin Colorado | RAM-B-238 | 11-06473 | . |
| RAM- OL-GA28 | RAM holder Garmin Nuvi 5000 | RAM-B-238 | 11-06474 | . |
| RAM- OL-GA30 | RAM holder Garmin Nuvi 880 850 860 | RAM-B-238 | 11-06475 | . |
| RAM- OL-CO5P | RAM Powered universal IPA Dock | RAM-B-238 | 11-06434 | . |
| RAM- OL-PD3 | RAM universal PDA holder | RAM-B-238 | 11-05488 | . |
| RAM- OL-N1 | RAM Small Black Mobile Phone holder | RAM-B-238 | 11-06435 | . |
| RAM- OL-N2 | RAM Medium Black Mobile Phone holder | RAM-B-238 | 11-06436 | . |
| RAM- OL-N3 | RAM Large Black Mobile Phone holder | RAM-B-238 | 11-06437 | . |
| RAM- OL-N4 | RAM universal Plastic Radio/GPS holder | RAM-B-238 | 11-06450 | . |
| RAM- OL-O 01 | NPKD RAM holder O O Model 2 | RAM-B-202 | 11-06425 | . |
| RAM- OL-SAM1 | RAM holder Samsung 1 Tablet | RAM-B-202 | 11-05236 | . |
| RAM- OL-F 1 | RAM holder Fujiitsu Lifebook P Series | RAM-B-202 | 11-05285 | . |
| RAM- OL-SON1 | RAM holder Sony VAIO PC X | RAM-B-202 | 11-05237 | . |
| RAM- OL-ARI1 | RAM holder Arnic EFL Book | RAM-B-202 | 11-05239 | . |
| RAM- OL-AS 1 | RAM holder AS S R2 MPC | RAM-B-202 | 11-05240 | . |
| RAM- OL-MOT3 | RAM holder Motion LS800 | RAM-B-202 | 11-04741 | . |
| RAM- OL-MOT3F | RAM holder Motion LS800 Cooling Fan | RAM-B-202 | 11-05059 | . |
| RAM-B-132B | Self Leveling Drink Cup holder | RAM-B-201 | 11-01334 | . |
| RAM-B-202A | 1 DIA. Ball Base Mount For Camaras | RAM-B-201 | 11-02080 | . |
| RAM-B-202-G1 | 1 DIA. Ball Base with Garmin hardware | RAM-B-201 | 11-04083 | . |
| RAM-B-121-LO3 | oke mount with cradle for AIRMAP 600 | -- | 11-07103 | . |
| RAM- OL-SPO1 | Ram holder Spot Satellite nit | -- | 11-07508 | . |

AV

LOBSTER MOUNTS - GPS MOUNTS

LOBSTER MOUNTS

The Shrimp Series of mounts provide an economical solution for mounting mobile electronics. This basic system provides a minimal extension, and utilizes a tri-wing finger knob for locking and positioning. Our off-centered 1-1/4 inch ball-base patent pending provides adaptability that cannot be matched. The Shrimp mount extends as little as 2-1/2 inches from the mounting surface and can extend to about 5 inches. The Shrimp was designed to support devices up to 3 lbs, and is available with bolt-on, MC/ATV, and Suction bases.



UNIVERSAL MC-ATV CLAMP - Base only For an additional anchor point we offer this universal rail-clamping base, designed to fit square or round tubing from 3/4 inch to 1-1/2 inch diameter by adding a 1/4-20 3 bolt, this base will fit up to 1-3/4 tube. This rugged base is made from extruded aluminum, an aluminum ball, and includes stainless steel hardware. P/N 11-04709.....



UNIVERSAL CRADLE - The Cradle comes with four grip fingers and one stop finger, which are capable of being positioned in any of the eight slots on the body. Rubber pads for the grip fingers and stainless steel hardware are provided. In the short direction, the grip fingers are adjustable from 1-1/2 to 3-1/4, and in the long direction, the grip fingers adjust from 4-1/2 to 5-1/2. For longer devices, the fingers on top could be left off, allowing the device to overhang the cradle base. This product, like our other products is produced for use in aviation and marine environments where being compass compatible and corrosion resistant are important. P/N 11-04710.....



SHRIMP SERIES BOLT-ON WITH CAMERA TOP - A removable 1/4-20 camera stud, universal mounting ball-base and mounting flange, lanyard loop accommodates the AMPS bolt up pattern. AMPS is a 1-1/2 by 1-3/16 screw hole pattern used in many portable electronic products. Aluminum alloy and reinforced composite parts with stainless steel hardware. P/N 11-04711.....



SHRIMP SERIES MC/ATV CLAMP WITH CAMERA TOP - Same as our Bolt-On model, while adding a universal rail-clamping base, designed to fit square or round tubing from 3/4 inch to 1-1/4 inch diameter by adding a 1/4-20 3 bolt, this base will fit up to 1-3/4 tube. This rugged base is made from extruded aluminum, an aluminum ball, and includes stainless steel hardware. P/N 11-04713.....



SHRIMP SERIES BOLT-ON + CRADLE - universal mounting ball-base and mounting flange, lanyard loop, along with our cradle for hand-held devices. The Cradle N-198 comes with four grip fingers and one stop finger, which are capable of being positioned in any of the eight slots on the body. Rubber pads for the grip fingers and stainless steel hardware are provided. In the short direction, the grip fingers are adjustable from 1-1/2 to 3-1/4, and in the long direction, the grip fingers adjust from 4-1/2 to 5-1/2. For larger devices, the finger may be left out at the top allowing the device to overhang the cradle base. Like our other products, the S-259 is produced for use in aviation and marine environments where being compass compatible and corrosion resistant are important. P/N 11-04715.....



SHRIMP SERIES SUCTION + CRADLE - Our Suction Base attachment ball is capable of being tilted for extra versatility in positioning your device. Cradle N-198 comes with four grip fingers and one stop finger, capable of being positioned in any of the eight slots on the body. Rubber pads for the grip fingers and stainless steel hardware are provided. In the short direction, the grip fingers are adjustable from 1-1/2 to 3-1/4, and in the long direction, the grip fingers adjust from 4-1/2 to 5-1/2. For larger devices, the finger may be left out at the top allowing the device to overhang the cradle base. This mount, like our other products is produced for use in aviation and marine environments where being compass compatible and corrosion resistant are important. P/N 11-04716.....



SHRIMP SERIES MC/ATV + CRADLE - A universal rail-clamping base, designed to fit square or round tubing from 3/4 inch to 1-1/4 inch diameter. Made from extruded aluminum, an aluminum ball, and includes stainless steel hardware. Cradle comes with four grip fingers and one stop finger, capable of being positioned in any of the eight slots on the body. Rubber pads for the grip fingers and stainless steel hardware are provided. In the short direction, the grip fingers are adjustable from 1-1/2 to 3-1/4, and in the long direction, the grip fingers adjust from 4-1/2 to 5-1/2. For larger devices, the finger may be left out at the top allowing the device to overhang the cradle base. P/N 11-04717.....



UN-327 SUCTION BASE - Suction Base Only, If you are already using a Bolt-On or MC/ATV base, this allows you to easily transfer your device to your car or any place with a smooth surface. The Suction Base attachment ball is capable of being tilted for extra versatility in positioning your device. This base, like the other products is produced for use in aviation and marine environments where being compass compatible and corrosion resistant are important. P/N 11-06616.....



SH-334 SHRIMP SUCTION MOUNT WITH CAMERA TOP - Our Suction Base attachment ball is capable of being tilted for extra versatility in positioning your device. The Camera Top N-310 has a removable 1/4-20 camera stud. It also features a mounting surface with holes and slots, which accommodate the AMPS standard 1.496 1.181 pattern for direct attachment to numerous electronic devices. This base, like our other products, is produced for use in aviation and marine environments where being compass compatible and corrosion resistant are important. P/N 11-06617.....

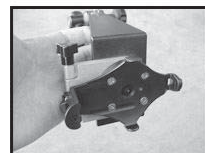
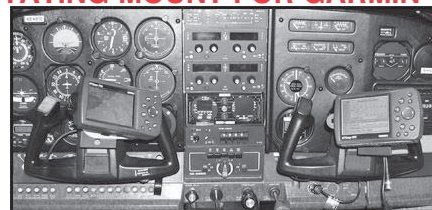


UN-303 ROLL BAR CLAMP - Base only For your ATV, golf cart steering column or other applicable with 1-1/2 to 2-1/2 tubing. This rugged base is made from aluminum extrusion, an aluminum ball, and zinc plated steel hardware. Note that this is not compass friendly. P/N 11-06618.....



UN-310 CAMERA TOP - Camera Mounting surface that can also be used for mounting other devices. If you are already using a universal Cradle N-198, this allows you to easily use your mounting system for other purposes. The holes and slots in the flange accommodate the AMPS standard pattern as well as several size u-bolts. This base, like our other products is produced for use in aviation and marine environments where being compass-compatible and corrosion resistant are important. P/N 11-06615.....

ROTATING MOUNT FOR GARMIN GPS



The rotating mount attaches to the Garmin yoke mount supplied with the GPS units. The GPS then mounts on the product and allows the GPS unit to be rotated so the passenger can view the unit if mounted on the pilots side. If used on the co-pilots side, then the pilot can rotate the GPS so he/she can view it as well. Note The rotating mount is used for the Garmin GPS units 295,196,296,396
Rotating Mount for Garmin GPS LF..... P/N 11-04661.....
Rotating Mount for Garmin GPS RT..... P/N 11-04662.....

ANGEROLE INSTRUMENT PANEL MOUNT



The photo illustrates the Model 241 040 fitted to a blank instrument panel. An adaptor plate included with the mount fits any standard 2-1/4 instrument panel hole so, generally, it can be fitted without any modifications to your airplane. If your application needs it, we can supply this mount with a 3-1/8 panel adaptor plate. If you don't have an unused panel hole, a viable alternative is to drill two holes and simply bolt the mount directly to your panel. The footprint area is only 2 0.5 so there's probably going to be somewhere you can make it fit. Naturally, you need to be certain this is appropriate, sensible and legal for your installation before drilling holes in your airplane. P/N 11-07238.....

ICOM HANDHELD TRANSCEIVERS



ICOM IC-A24 NAV/COM

Easy To see while Flying - Simple one-handed operation is the most essential feature of the IC-A24. The well labeled, large keypad provides user friendly operation. The large display shows both letters and numbers and is easy to see, making for fast frequency recognition. The display is backlit, and so is the keypad. The light stays on until you turn it off - a very handy feature for flying at night. Flip-Flop Channel Recall - The IC-A24 stores the last 10 channels used. You can easily recall those channels by pushing the flip-flop recall buttons on the front panel. It is convenient for switching between several channels, such as Nav and Com channels. VOR Navigation - The IC-A24 has VOR navigation functions. The DVOR mode shows the radial to or from a VOR station and the CDI mode shows the course deviation to/from a VOR station. You can also input your intended radial to/from the VOR station and show the course deviation on the display. The double operations allow you to call a COM channel while you are using VOR navigation. External DC Power Jack - An external DC power jack allows for operation with the wall charger or the cigarette lighter cable. When the battery pack is installed, simultaneous charging during operation is also possible. Water Resistant Construction - The water resistant construction provides reliable operation in wet conditions. IC-A24 Nav/Com 110V - Includes Nicad battery, wall charger, belt clip, carrying case, headset adapter, handstrap. P/N 11-02942 IIC-A24 Nav/Com 220V P/N 11-04355

ICOM IC-A6 COM

Simple one-handed operation is the most essential feature of the IC-A6. The well labeled, large keypad provides user friendly operation. The large display shows both letters and numbers and is easy to see, making for fast frequency recognition. The display is backlit, and so is the keypad. The light stays on until you turn it off. The IC-A6 stores the last 10 channels used. You can easily recall those channels by pushing the flipflop recall buttons on the front panel. External DC Power Jack - An external DC power jack allows for operation with the wall charger or the cigarette lighter cable. When the battery pack is installed, simultaneous charging during operation is also possible. Water Resistant Construction - The water resistant construction provides reliable operation in wet conditions. Features: • 200 memory channels (10 banks of 20 channels) allows you to load in up to 10 separate flight plans. 6 character alphanumeric for channel names. • Dedicated 121.5 "emergency" key. • All NOAA weather channels preprogrammed. • Automatic Noise Limiter (ANL) built in for noise reduction. • Icom's exclusive front panel programmable side tone allows you to set the correct side tone level for almost any headset. • Icom's exclusive TAG scanning and memory bank scanning make it the most user friendly radio on the market. Specifications: • Frequency range: Tx/Rx 118.000-136.975MHz • Weather 161.650-163.275MHz • Wt: 15.02oz. • Dims: 2-1/8" x 5-3/32" x 1-13/32"

IC-A6 Com 110V - Includes Nicad battery, wall charger, belt clip, headset adapter, handstrap. P/N 11-02944 IC-A6 Com 220V P/N 11-03178



ACCESSORIES FOR IC-24 & IC-A6

| Me | Description | Part No. | Price |
|----------|---|----------|-------|
| BC-121 | Power Supply-AC | 11-00615 | . |
| BP-200L | Battery-9.6V, 760mAh Ni-M | 11-00606 | . |
| CP20L | Cigarette Lighter adapter. DC-DC Converter. Will charge from 12-24 volts | 11-03604 | . |
| OPC-478 | Programming Cable | 11-18563 | . |
| OPC-967 | Headset Adapter | 11-00618 | . |
| BP-210N | Icom Battery | 11-04385 | . |
| LC-159 | Protective Case for A24 or A6 | 11-05003 | . |
| BP-209N | Ni-Cap Battery | 11-05019 | . |
| BC-145 | Adapter for IC-A24 IC-A6 | 11-04848 | . |
| BC-144N | 110V Charger for IC-A24 IC-A6 | 11-04847 | . |
| OPC-656 | PC Power Cable for IC-A24 IC-A6 | 11-05022 | . |
| BC-110AR | Trickle Charger for IC-A24 IC-A6 | 11-05021 | . |
| BC-119N | ICOM BC-119N Fast Charger for BP-209N, BP-201N, AND ORBP-211N. Comes with the desktop charger and adapter cup BC-145A. Must purchase adapter cups for other models. | 11-04773 | . |
| BC-145E | European Adapter 220V for IC-A24 IC-A6 | 11-05030 | . |
| BC-121N | 6 bit charger Kit for IC-A24 IC-A6 | 11-05020 | . |
| MB-86 | Swivel Belt Clip for IC-A24 IC-A6 | 11-05002 | . |
| MB-103 | Icom Belt Clip | 11-03494 | . |
| M-173 | Speaker Mic for IC-A6 IC-A24 | 11-05832 | . |
| PTT-S | Icom headset PTT Switch for IC-A6, IC-A3, IC-A4, IC-A5, IC-A22, IC-A23 | 11-18529 | . |

ICOM A14 HANDHELD TRANSCEIVER



700mW* loud audio - Because air band radios are usually operated in high-noise environments, it is essential for the radio to provide loud clear audio. The IC-A14/S series employs a BTL amplifier that doubles the audio output, offering loud and clear audio that'll cut through cabin or tarmac noise. *internal speaker only
Full keypad type or Simple keypad type - The IC-A14 full keypad type allows you to input the channel or frequency directly and has an exclusive button for the 121.5MHz emergency channel. The IC-A14 receives NAV and X channels. The IC-A14S simple keypad type provides simpler operation with a minimum of buttons that is suitable for ground crews. **Compact, light weight and rugged body** - The IC-A14/S series is compact only 120mm tall and light weight approx. 350g including antenna and BP-232N. The water resistant construction, equivalent to IPX4, provides reliable operation in wet conditions. **Large capacity Lithium-Ion battery pack** - With the 2000mAh large capacity Lithium-Ion battery pack, BP-232N, the IC-A14/S series provides stable output power and 18 hours long approx. operating time*. The BP-261, battery case takes 6 AA LR6 alkaline cells for convenient battery backup. * Typical operation, Tx:Rx: Stand-by=5:5:90.
200 channels with memory banks - A total of 200* memory channels can be named with an 8-character channel name for easy recognition. For fast and simple operation, these channels can be grouped into 10 memory banks*. *IC-A14 only. The IC-A14S has 100 memory channels and memory banks are not available.

| Description | Part No. | Price |
|------------------------------------|----------|-------|
| ICOM IC-A14S Simple Keypad Version | 11-05903 | . |
| ICOM IC-A14 Full Keypad Version | 11-05904 | . |

| Accessories for A14 | | | |
|--|-----------|----------|-------|
| Description | Me | Part No. | Price |
| Antenna A4 A5 A6 A23 A24 | FAB02AR | 11-05031 | . |
| Speaker Microphone | M173 | 11-05832 | . |
| Headset Adapter | PAOPC499 | 11-18537 | . |
| Alkaline Battery Case 6-AA Batt. Req. | BP261 | 11-06210 | . |
| 7.2v 2000mAh Li-Ion Battery | BP232N | 11-06211 | . |
| Desktop rapid Charger for BP230, BP231, BP232 Batteries. | BP160 | 11-07339 | . |
| Belt Clip - Swivel type | MB93 | 11-06212 | . |
| Belt Clip - Alligator type | MB94 | 11-06213 | . |
| Drop In Desktop Charger 110V | BC179-01 | 11-06214 | . |
| Cig Lighter Adptr Cbl for BC179 12-24V | CP22 | 11-06215 | . |
| Drop In Desktop Charger 220V | BC179-02 | 11-06218 | . |
| Rapid Charger BC160-01 | BC160-01 | 11-06219 | . |
| Single Rpd Dsktp Chgr. w/BC145 AD106 Req. | BC119N | 11-04848 | . |
| AC Adptr for use w/BC119N BC160 | BC145 A/E | 11-06220 | . |
| 6ay Rapid Chgr. w/BC157 6-AD106 Req. | BC121N | 11-05020 | . |
| DC Pwr Cbl for BC119N or BC160 | OPC515I | 11-18533 | . |
| DC Power Cable for BC121N | OPC656 | 11-05022 | . |

ICOM IC-4088A UHF FM TRANSCEIVER



The Icom IC-4088A is a compact, inexpensive transceiver, water resistant and very easy to use. Channel changing is as simple as pushing the up/down keys. The radio can be controlled with only 5 buttons and a volume control knob. The easy to read LCD shows information at a glance. Other outstanding features include Economical AA alkaline batteries (3 not supplied) provide 30 hrs of use, low battery indicator provides warning of battery condition when using alkaline batteries, rotary type antenna folds down behind radio, optional Ni-Cd battery pack and rapid charger, compact body fits neatly in your hand, and auto power-off timer two hours. This radio is excellent for use in communicating with friends at airshows.

P/N 11-18608

| Accessories for icom IC-A4 | | | |
|--|----------|-------|--|
| Description | Part No. | Price | |
| BP-194 Alkaline battery case | 11-18599 | . | |
| BP-195 Battery Pack 9.6V, 700mAh | 11-18665 | . | |
| BP-196 Long Life 1050mAh Ni-Cd batt | 11-18606 | . | |
| AD-81 Desktop Charger Adapter | 11-18621 | . | |
| BC-124 AC Adapter | 11-00615 | . | |
| BC15702 is the power supply unit for the BC-121 | 11-05603 | . | |
| CP-12 Cigarette lighter | 11-18594 | . | |
| OPC-254I DC Power Cable for IC-A4, IC-A5, IC-A23 | 11-18607 | . | |
| M-119 Speaker Microphone | 11-02094 | . | |
| BC-110V Full Charger | 11-16820 | . | |
| BC-133 Trickle Battery Charger | 11-05689 | . | |
| OPC-474 Cloning Cable handheld to handheld | 11-02124 | . | |
| OPC-752 Headset adapter | 11-18602 | . | |
| MB-74N Alligator type belt clip | 11-05593 | . | |
| MB-87 Swivel Belt Clip | 11-05686 | . | |
| Nylon Carrying Case | 11-18617 | . | |
| CP12L - Cigarette Lighter adapter For use with A22, A23, A4, A5 w/ noise filter. Will only charge from 12 volts. | 11-18604 | . | |
| FA-801AR - Antenna | 11-18543 | . | |
| OPC-254I - Power cable | 11-18607 | . | |

HANDHELD TRANSCEIVERS



ICOM IC-R5 SPORT

Small size, powerful specifications and outstanding features puts you in the action, whether listening in on your favorite driver's car-to-pit radio calls while at the race track, looking for something new while traveling, or catching your favorite radio programs at home.

Wideband Receive 0.1-130 MHz* The IC-R5's wideband reception means virtually anything from AM broadcast to FM TV audio is fair listening game. Every TV broadcast channel is preprogrammed into this radio.* Listen to AM FM radio stations, utility communications, and more. For the race fan, the IC-R5 puts you so close to the asphalt, only the man behind the wheel is experiencing more action.* Depending on version.

100 Alphanumeric Memory Channels Make up your own channel names for each of up to 1250 memory channels, and channel recognition is easy. The IC-R5's LCD display lets you use numbers, letters or a combination of both when naming channels and banks. Icom's exclusive Dynamic Memory Scan DMS gives you the flexibility to customize and manage the IC-R5's memory banks the way you want or need. Convenient Power and Charging Power on the go is easy, thanks to the IC-R5's ability to operate from a variety of power sources. You may power the radio via the DC port or use the included 2 AA size rechargeable Ni-Cd batteries* or use long storage life AA alkalines. A DC pack allows for simultaneous battery charging while operating the radio. *Depending on version.

Computer Programmable With the optional software and cable, IC-R5 programming and cloning are a breeze. Hook your IC-R5 up to a PC and you're ready to customize channel names, scan lists, and more.

P/N 11-06493



VERTEX VXA-220 PRO VI

The VXA-220 features 5 watts TX power output, loud audio 700 mw, long life nickel metal hydride battery, larger LCD display, 250 memory channels with programmable 8 character alpha numeric display, submersible design 3 feet for 30 minutes, NOAA weather receive 10 channels. All of this is backed by the manufacturer's 3 year parts and labor warranty. The VXA-220 uses the same accessories as the popular VXA-300.

In the box VXA 220 COM, FNB-83 - NI-M Battery 7.2V 1400, CN-3 - SMA TO BNC Antenna Adapter, ATV-10 Rubber Duck Antenna, CT-96 - Headset Adapter, NC-88B - Battery Charger 120V, CD-32 -

Charger Cradle P/N 11-05054
VXA-220 PRO VI 220V P/N 11-07029

VERTEX VXA-300 TRANSCEIVER

- 5 watt airband transceiver with Nav-Comm display
- Large capacity Ni-M Battery twice the battery capacity of Icom IC-A23)
- 8.33 Khz channel spacing (RX only) for European band plan
- Built in VOX
- Built in P.A. mode
- 250 memory channels with 8 character alphanumeric titles
- Submersible (3 ft for 30 min.)
- Extra loud audio amplifier (30% louder than Icom IC-A23)
- NOAA weather channel receiver. The VXA-300 Lite is the same unit as the VXA-300 with the addition of an Alkaline Battery Case and 12V adapter.

VXA-300 P/N 11-02716
VXA-300/C P/N 11-04342
VXA-300 PI OT III ACCESSORIES Included

ATV-10 - Rubber Duck antenna included P/N 11-04343

CT-96 - Headset Adapter For VXA-300,700, 710 P/N 11-02562

NC-88B -120V,12hr charger. Req. CD-28 charging stand P/N 11-04344

CD-28 - Overnight desktop charger cradle. Requires NC-88 wall charger P/N 11-04346

FNB-83 - 7.2v 1400mah Ni-M battery included P/N 11-04347

Clip-14 - Swivel belt clip included P/N 11-04340

VXA-300 PI OT III ACCESSORIES Optional
CN-3 SMA to BNC Antenna Adapter - Antenna Adapter For VXA-150, VXA-210, VXA-300, VXA-700, VXA-710 P/N 11-16957

E-DC-5B - 12V Cigarette Lighter Adapter for all Vertex Standard airband transceivers. P/N 11-16961

FBA-25 Alkaline Case - holds 6 AA Cells For VXA-150,210,300 P/N 11-00408

M -44B4B - Speaker Mic for VXA-700,300,710 P/N 11-02381

NC-88C -220V wall charger P/N 11-04344



VXA-710 "SPIRIT" AIRBAND NAV/COM TRANSCEIVER

A first in aviation communications. Vertex Standard has combined over 50 years experience in amateur radio communications and our expertise in aviation communications to make the world's first Air Band, VOR Navigation and V F Business Band Radio receive handheld transceiver

Accessories Included FNB-80, Lithium-Ion Battery, NC-72B All Charger, CT-96 Headset adapter, ATV-9 Rubber Duck Antenna

Vertex Transceiver w/ 117V Charger P/N 11-04337
Vertex Transceiver w/ 220V Charger P/N 11-04338

ACCESSORIES (INCLUDED):

ATV-9 Dual Band Rubber Duck Antenna P/N 11-02561
CT-96 Headset Adapter P/N 11-02562
NC-72B 120 Volt 12 Hour Charger P/N 11-05864
FNB-80LI 7.2v 1300mah Li-Ion Battery P/N 11-02563

ACCESSORIES (OPTIONAL):

Swivel Belt Clip P/N 11-04340
PC Programming kit for VXA700 only P/N 11-02564
CN-3 SMA to BNC Antenna Adapter P/N 11-16957
E-DC-5B 12 V Cigarette Lighter Adapter P/N 11-16961
FBA-23 Alkaline Case for VXA-700, 710 P/N 11-02565
CSC-88 Soft Case for VXA-700, 710 P/N 11-02566
M -44B4B Speaker Microphone P/N 11-02381
CD-15A Desktop Rapid Charger 117V P/N 11-02567
NC-72C 220 Volt 12 Hour Charger P/N 11-05865

REXON RHR520 HANDHELD TRANSCEIVERS



RC handheld transceivers offer pilots many unique features such as active/standby frequency control, dual watch monitor 1 frequency while tuned to a primary frequency, instant memory write to instantly save any tuned frequency, and Nav Scan which scans nav frequency band to find useable VOR signals. Other features include DVOR and CDI, 16 button keypad, NOAA weather channels, 100 programmable memory channels, backlit LCD display, 5 watts of output power, full scanning, and much more. Comes complete w/headset adapter, protective case, belt clip, NiCd battery pack, 110 VAC wall charger, wrist strap.

P-520 Nav/Com P/N 11-00073

ACCESSORIES:

Alkaline Battery Case P/N 11-00077
Batteries are not included
Speaker Mic P/N 11-00204
Cig Lighter Adapter P/N 11-00081
700 mA NiCd Battery P/N 11-00209



PUSH TO TALK SWITCH

High-quality Push-To-Talk switch. Universal In-Line PTT Switch -103 P/N 11-07087

HANDHELD TRANSCEIVERS – BATTERIES

UNIDEN BC350A BEARCAT AVIATION SCANNER



E- scan mobile/base scanner w/50 channels and 11 bands, including aviation, preset service search, selective band search, illuminated LCD display, lockout, T RBO SCAN™, 1-touch weather, memory lock, AC adapter cigarette lighter adapter. Covers 29-54, 108-174, 406-512 M z

P/N 11-18940

PASSIVE AIR BAND AIRCRAFT MONITOR



Monitors the entire aircraft band without tuning. Passive design, can be used onboard aircraft, no local oscillator, generates and creates no interference whatsoever. Great for air shows. Patented circuit and design. For decades we have been known for our novel and creative product designs. Well, check this one out. An aircraft receiver that receives all nearby traffic without any tuning. It gets better... there is no local oscillator so it doesn't produce, and can't produce, any interference associated with all other receivers with an LO. That means you can use it onboard aircraft as a passive device. And what will you hear. The closest and strongest traffic, mainly, the one you're sitting in. Now unique is this. We have a patent on it, and that says it all.

P/N 11-04735

GLOPLUG POWER ADAPTERS FOR HANDHELDS



GloPlug is a much needed, well designed cigarette lighter accessory that allows a safe method of providing electrical power to handheld equipment.

andheld covers a multitude of portable devices including moving maps, radios, GPS, and fans. GloPlugs glow is a light emitting diode, which lights when the circuit is activated. GloPlug has one power take off socket. GloPlugX3 has three power take off sockets enabling the operation of three handhelds simultaneously. GloPlug protects the handheld by an inline blade fuse which is easily replaced without disassembly. FoolPruf E tension cords are available. The cords have terminal ends that are universal. Either terminal fits the handheld or GloPlug. The Portable Socket Male Female provide a means of plugging handhelds into the GloPlug even though the handhelds have permanently attached accessory power cords and accessory plugs. Just plug the handheld accessory into the Portable Socket and then plug socket into GloPlug fire up the handheld, no interruption of other handheld equipment. Simple fast.

GloPlug Accessory Plug.....P/N 11-00313

GloPlug X3 Accessory Plug.....P/N 11-00312

FoolPruf E tension Cord.....P/N 11-00314

Coupling for Foolpruf cord.....P/N 11-00315

Y>1 Adapter, Multiple use for GloPlug.....P/N 11-00316

Portable Socket - Male.....P/N 11-01069

Portable Socket - Female.....P/N 11-01070

WINDSHIELD ANTENNA KIT FOR HANDHELD RADIOS



This antenna kit attaches to the inside of the windshield dramatically improves portable nav/com s transmit, receive, and VOR performance based on extensive field testing. It is

portable and ideal for those who can't use an ANT-SB. Simply attaches one's own flexible antenna to inside of windshield with BNC, coax, suction cup adapter. Works with any handheld radio using BNC connections.

P/N 11-18603

GLEIM KA11AIR PORTABLE AVIATION RECEIVER



Aviation radio communications are now available to you with Gleim's Aviation Radio Receiver. Monitor the entire aviation frequency band. This radio is very portable, easy to operate, and extremely cost effective. Enjoy Listening to aircraft and air traffic control communications and build your proficiency in pilot speak.

This radio receiver is an integral part of GLEIM's Matching Airplanes Course- a tool to assist those interested in aviation to learn more about it.

The KA11Air receiver comes with two AA batteries, the earphones, and external antenna..... P/N 13-06717

DISCOUNT BATTERIES FOR HANDHELDS

| Battery Model | Description | Part No. | Price |
|---|---|----------|-------|
| or ICOM A-3 A Handheld aviation radios- | | | |
| BP-197 | Alkaline Battery pack | 11-01082 | . |
| BP-200XL | 9.6v 1450 mAh long Life Ni-M Battery | 11-06351 | . |
| or ICOM A-4 Handheld aviation radios- | | | |
| BP-195 | 9.6v 1000 mAh pk | 11-00226 | . |
| BP-196 | 9.6v 1500 mAh pk | 11-00227 | . |
| or ICOM A- & A-3 radios- | | | |
| CM-166 | NiM Battery | 11-00228 | . |
| CM-166 | 12.0v 1200 mAh | 11-00228 | . |
| BC-79A | Desktop Charger | 11-18557 | . |
| or ICOM A- 0, A- 1, & elcom- | | | |
| CM-7 | 13.2v 1000 mAh pk | 11-00230 | . |
| BP-D1 | 12.0v 700 mAh pk | 11-00318 | . |
| BP-D1 | 12.0v 1000 mAh pk | 11-00319 | . |
| IC-CP | Car Power/Charge cord | 11-00351 | . |
| or ICOM R-1 radios- | | | |
| BP-83 | 7.2v 600 mAh pk | 11-00233 | . |
| BP-83 h | 7.2v 1500 mAh pk | 11-00234 | . |
| BP-84 | 7.2v 1200 mAh pk | 11-00235 | . |
| BP-84 | 7.2v 1800 mAh pk | 11-00236 | . |
| BC-79A | Desktop Quick Charger | 11-18557 | . |
| Icom Chargers | | | |
| CP-11L | DC Power/Charge Cord for ICOM IC-T90A, IC-91AD, IC-A24, IC-A5 | 11-06348 | . |
| EMS-210N | Smart charger for ICOM | 11-06350 | . |
| EMS-30i | Desktop smart-quick charger for ICOM-type battery packs | 11-06352 | . |
| or Aesu Aviator Pilot & Aviator Pro nav com radios- | | | |
| FNB-41 h | 9.6v 1000 mAh pk | 11-00237 | . |
| FNB-47 h | 7.2v 1800 mAh pk | 11-00238 | . |
| FNB-41 s | 9.6v 1450 mAh pk | 11-06354 | . |
| CBE-41 | Battery Eliminator | 11-06355 | . |
| BC-601c | Smart Quick Charger | 11-00239 | . |
| or Endi King radios- | | | |
| BP-KX99 | 10.0v 1400 mAh pk | 11-00240 | . |
| IC-CP | Car Power/Charge cord | 11-00351 | . |
| or STS handheld radios- | | | |
| BP-ST5 | 7.2v 1400 mAh pk | 11-00241 | . |
| C-ST5 | all Charger | 11-00352 | . |
| or Bearcat Uniden 100 00 0X T- | | | |
| BP-200 | 7.2v 600 mAh pk | 11-00321 | . |
| or Bearcat Uniden 00X T, 3000X T, & 3 00X T- | | | |
| BP-2500 | 6.0v 1000 mAh pk | 11-00322 | . |
| or Bearcat Uniden Trunk Tracker & Sportcat- | | | |
| BC-120 | 4.8v 1000 mAh pk | 11-00323 | . |
| BC-120 | 4.8v 1500 mAh pk | 11-00324 | . |
| or Santec Narco radios- | | | |
| BP-800 | 9.6v 600 mAh pk | 11-00242 | . |
| BP-800sh | 9.6v 1000 mAh pk | 11-00325 | . |
| or Rose Aviation Headset Series 1 | | | |
| BP-A | 14.4v 1250 mAh | 11-00243 | . |

UNIDEN BC370CRS RADIO SCANNER



The BC370CRS scanner is a multi-featured conventional channel scanner with All Hazards alert. You can easily enter and store frequencies for police, fire/emergency, marine, air, amateur, and other radio services into 300 channels distributed over ten banks. The scanner also alerts you when NOAA National Oceanic and Atmospheric Administration or any broadcast station the scanner is tuned to issues an EAS Emergency Alert System signal. These alerts are issued for severe weather, homeland security, and law enforcement events such as Amber alerts.

P/N 11-04736

AR-108 AIR-BAND SCANNER



AR-108 is a full-featured handheld Air-Band Scanner with weather channels. The AR-108 is small, rugged and compact. The features include 10 weather channels 9-digit/24 icon backlit LCD display 99 programmable memory channels selective channel scans from either the pre-programmed memory channels or the entire aviation frequency band key lock key beep tone on/off battery power saver powered by 2 AA batteries. Includes scanner, antenna, beltclip and manual. 1yr warranty. P/N 11-18505

TRUTRA AUTO PILOTS

SORCERER AS AUTOPILOT



Same features as the TruTrak DFC-250 ATI, plus GPSV and VNAV.

GPS-Slaved solid-state DG • Digital Ground Track Selector • VOR / LOC / ILS • VOR / LOC Reverse • Selected-angle Intercept • GPS Nav Mode • GPS Steering • Solid-state gyroscopically-controlled pitch axis • Selected Vertical Speed climbs and descents • Altitude Hold • Built-in Digital Altimeter • V-NAV • Vertical GPS Steering • Altitude Selector with 50-ft resolution for approaches • Selectable airspeed for altitude transitions (in addition to VS) • True Control Wheel Steering* • Simplified User Interface
 P/N 11-02968
 TruTrak yaw Damper P/N 11-02972

DIGITRAK AUTOPILOT



• GPS-Slaved solid-state DG
 • Digital Ground Track Selector
 • GPS Nav Mode
 • Magnetic Backup Mode
 • True Control Wheel Steering*
 • 12V only
 • 2-1/4" - Dims 2.5" H x 2.5" W x 3.5" D
 • Standard weight including servo 3.5 lb
 P/N 11-01595

TruTrak yaw Damper P/N 11-02972

TRUTRAK FLIGHT SYSTEM RV-10 AUTO PILOT



• GPS-Slaved solid-state DG • Solid-state gyroscopically-controlled pitch axis • Digital Ground Track Selector • Selected Vertical Speed climbs and descents • GPS Nav Mode • Altitude Hold • GPS Steering • Built-in Digital Altimeter • Simplified user interface • V-NAV • Vertical GPS Steering (GPSV) • True Control Wheel Steering* • Altitude Selector with 50-ft resolution
 P/N 11-04668

TRUTRAK AUTOPILOT AP-100



• GPS-Slaved solid-state DG and descents
 • Digital Ground Track Selector • Vertical GPS Steering GPSV
 • VOR / LOC / ILS • Altitude Hold
 • VOR / LOC Reverse • True Control Wheel Steering*
 • Selected-angle Intercept • 12-28 Volts
 • GPS Nav Mode • Dimensions - 1.7" H x 6.25" W x 7" D
 • GPS Steering • Standard weight including servos - 7lb
 • Solid-state gyroscopically controlled pitch axis
 • Selected Vertical Speed climbs
 P/N 11-06004

TruTrak yaw Damper P/N 11-02972

TruTrak Automatic Trim Pitch P/N 11-02970

TRUTRAK YAW DAMPER



The yaw Damper employs a solid state rate gyro to damp out short term yaw oscillation, and a transverse accelerometer to control rudder position long term, so as to keep the ball centered. The yaw Damper can be added to the DFC-200 or Sorcerer autopilots.
 • 2.05" H x 4.12" W x 1.69" D
 • 12-28 volts
 • Standard Weight including servo 3.25lb
 Servo Must be Purchased Separately
 P/N 11-02972

AUTOMATIC TRIM



Failsafe Automatic Pitch Trim can be added to any system with vertical speed select. TruTrak is the only company serving the experimental market to offer Failsafe Automatic Pitch Trim this ensures that a single failure will not cause runaway trim. Automatic Trim can be added to the yaw Damper.
 • 2.05" H x 4.12" W x 1.69" D
 • 12-28 volts

• Weight 4lb

P/N 11-02970

DIGIFLIGHT-II MULTI-SERVO AUTOPILOTS



DIGIFLIGHT-II - • Fits Standard 2.25" Round Instrument Hole • Built-in Digital Slaved Directional Gyro • Digital Track Selector • GPS Nav Mode • Altitude Hold • 12-28 V • Simple Intuitive User Interface • All Solid-State Sensors • Lighter & Smaller than Comparable Systems • True Control Wheel Steering* • Dims - 2.5"H x 2.5"W x 5.5"D • Flat Dims - 1.6" H x 4.3" W x 5.5" D • Standard weight including servos 6lb

TruTrak Digiflight II P/N 11-02632

TruTrak Digiflight II FLAT PK P/N 11-03142

Optional

TruTrak Digiflight II /GPS-S P/N 11-03144



DIGIFLIGHT II G FLAT PACK - • Built-in Digital Slaved Directional Gyro • Optional Flat Pack Mounting • Built-in Digital Slaved Directional Gyro • Digital Track Selector • GPS Nav Mode • Altitude Hold • Simple

Intuitive User Interface • All Solid-State Sensors • Lighter and Smaller than Comparable System • True Control Wheel Steering • 12-28 volts • Dims - 1.6"H x 4.3"W x 5.5"D • Standard weight including servos - 6lb
 TruTrak Digiflight II G FLAT PACK P/N 11-03145



DIGIFLIGHT II VS - • Fits Standard 2.25" Round Instrument Hole • Built-in Digital Slaved Directional Gyro • Digital Track Selector • GPS Nav Mode • Altitude Hold • 12-28 Volts • All Solid-State Sensors • Simple Intuitive User Interface • Climb and Descend on Vertical Speed • Trim Sensing Pitch Servo that Annunciates for Trim • Lighter and Smaller than Comparable Systems • True Control Wheel Steering* • Dims - 2.5"H

x 2.5"W x 5.5"D • Flat Dims - 1.6"H x 4.3"W x 5.5"D • Standard weight including servos 6lb
 TruTrak Digiflight II VS P/N 11-02633

TruTrak Digiflight II VS FLAT P/N 11-03147



DIGIFLIGHT II VSG - • Fits Standard 2.25" Round Instrument Hole • Optional Flat Pack Mounting • Built-in Digital Slaved Directional Gyro • Digital Track Selector • GPS Nav Mode • GPS Steering • Altitude Hold • All Solid-State Sensors • 12-28 Volts • Simple Intuitive User Interface • Climb and Descend on Vertical Speed • Trim Sensing Pitch Servo that Annunciates for Trim • Lighter and Smaller than Comparable Systems • True Control

Wheel Steering* • Dims: 2.5"H x 2.5"W x 5.5"D • Flat Dims - 1.6"H x 4.3"W x 5.5"D • Standard weight including servos - 6lb
 TruTrak Digiflight II VSG /GPS P/N 11-03148

TruTrak Digiflight II VSG FLAT P/N 11-03149



DIGIFLIGHT II VSGV - • Fits Standard 2.25" Round Instrument Hole • Optional Flat Pack Mounting • Built-in Digital Slaved Directional Gyro • Digital Track Selector • GPS Nav Mode • GPS Steering • Altitude Hold • All Solid-State Sensors • 12-28 Volts • Simple Intuitive User Interface • Climb and Descend on Vertical Speed • Trim Sensing Pitch Servo that Annunciates for Trim • Vertical GPS Steering (GPSV) • Dims: 2.5"H x 2.5"W x 5.5"D • Flat Dims - 1.6"H x 4.3"W x 5.5"D

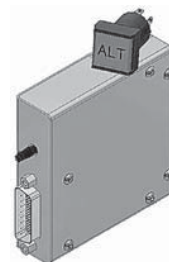
• Lighter and Smaller than Comparable Systems • True Control Wheel Steering* • Standard weight including servos - 6lb
 TruTrak Digiflight II VSGV RND P/N 11-05549

TruTrak Digiflight II VSGV FLAT P/N 11-03151

ALTRAK ALTITUDE HOLD

• Easy Installation
 • Can be used alone or with any roll servo Autopilot
 • Only panel space required is for engage/disengage button
 • Solid-state gyroscopically-controlled pitch axis
 • Flight dynamics equal to higher priced systems
 • Control Wheel Steering
 • Available with vertical speed select Altrak VS
 • 12 Volts only
 • Programmer Dimensions 3" H x 0.9" W x 2.8" D
 • Standard weight including servo - 3 lb
 P/N 11-02032

TruTrak Altrak VS P/N 11-02631



AV

TRUTRA ADI / EFIS

PICTORIAL TURN AND BANK



This display is like an artificial horizon in roll and actually moves in unison with it. This makes the transition from viewing the horizon much easier than the reverse display of the turn coordinator. For much greater life and reliability, it uses a solid state gyro instead of a spinning rotor.

The Pictorial Turn Bank is superior to a turn coordinator in all ways.

- It looks and flies like the roll display of an artificial horizon.
- It agrees with the real horizon, so one does not have to reverse his or her sensing when entering or exiting IMC.

- Even in the two inch size it provides more viewing area than the small moving aircraft in the three inch turn coordinator.
- The roll response is without lag just as it is in an artificial horizon.
- Of most importance, it is easier and safer for the non-instrument pilot to fly.
- 12-28 Volts - eight-6oz

2-1/4 P/N 11-02834.....
3-1/8 P/N 11-02628.....

TRUTRA PICTORIAL PILOT



This autopilot combines the superb performance of our DigiTrak with a real aircraft flight instrument, the Pictorial Turn Bank. It also contains a digital DG for viewing when the autopilot is not engaged. When the autopilot is engaged this display becomes the track selector.

The Pictorial Pilot is the only low cost autopilot to provide a proven easy to fly flight instrument. This is most important to the non-instrument pilot who

would find it very difficult to fly a moving light bar in IMC.

The Pictorial and DigiTrak autopilots are the only ones in this class to provide a drift free magnetic mode when GPS is lost. In the flight instrument mode AP - off one must see to believe. In one instrument, the pictorial display combined with the DG display is as easy to fly as the roll display of an artificial horizon in combination with a conventional DG. In the autopilot mode it provides by far the simplest and thus easiest to use mode control and information display of any product in its class. 12-28 Volts - eight-6oz

2-1/4 P/N 11-02833.....
3-1/8 P/N 11-02629.....

TRUTRAK ADI PILOT II



Features

- GPS-Slaved solid-state DG
- Digital Ground Track Selector
- GPS Nav Mode
- True Control Wheel Steering
- Altitude Hold
- Altitude adjust for baro change
- Built-in ADI: Bank angle is instantaneous gyro data. Pitch is gyro enhanced vertical speed. Direction is an electronic DG showing track. Extreme bank angle is enunciated by flashing red arrows which indicate required stick motion to correct unusual attitude. Low airspeed warning is enunciated by flashing A-S on the display.
- 12-28 Volts only
- Programmer Dimensions 3.4"H x 3.4"W x 4.7"D
- Standard weight including servo 6lb
P/N 11-04675.....

TRUTRAK ADI FLIGHT INSTRUMENTS



Bank angle is instantaneous gyro data. Pitch is gyro enhanced vertical speed. Direction is an electronic DG showing track. Extreme bank angle is enunciated by flashing red arrows which indicate required stick motion to correct unusual attitude. Low airspeed warning is enunciated by flashing A-S on the display. Solid state rate gyros for pitch and roll. • Built in GPS (optional) • Backup battery (optional) • Power:

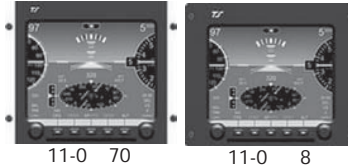
12-28 Volts
ADI 2 is 2.5 2.5 6.75 D.
ADI 3 is 3.4 3.4 4.6 D.

| Description | Part No. | Price |
|---------------------------------|----------|-------|
| TruTrak ADI 2 ith GPS Option | 11-05735 | . |
| TruTrak ADI 2 ithout GPS | 11-05736 | . |
| TruTrak ADI 3 ith GPS LAS | 11-04422 | . |
| TruTrak ADI 3 ithout GPS LSA | 11-02969 | . |
| TruTrak ADI 3 ith GPS LAS | 11-04422 | . |
| TruTrak ADI 3 ith GPS 120KNT | 11-05654 | . |
| TruTrak ADI 3 ithout GPS 120KNT | 11-05655 | . |
| Accessories | Part No. | Price |
| TruTrak ADI Back-up Battery 28V | 11-04423 | . |



11-0

11-0



11-0 70

11-0 8

TRUTRAK EFIS SG

Like TruTrak Flight Systems autopilots, when the power setting is not sufficient to comply with altitude or vertical speed commands, the **FLIGHT DIRECTOR** transitions to an airspeed mode in which airspeed is held at or above a minimum value pre-set to the specific aircraft. The result is the highest level of Safety.

To initiate the ARRIVAL TRANSITION press CRS - set the SI course pointer to the selected runway direction - press APPR - then, using the topilot fly the arrival path to the

flight director or au-selected runway. This will work from any direction.

The main thing that sets this new EFIS apart from other units is flyability

beyond flyability is ease of operation - The use of labeled soft keys makes the unit so simple to operate that a manual is not even necessary. This is also true when operating the optional built-in autopilot.

Picture quality second to none - While other comparably priced systems use hard-to-read single-pixel lines and text, this system is bold and readable - more like the painted lines in good old steam gauges. All lines in the display are smoothed anti-aliased to give photo-quality appearance. The 60- Hz refresh rate provides silky smooth display movement. Sunlight readability and viewing angle beyond all others. - No other system in the same price range can even compare when it comes to sunlight readability. This system is readable in ALL lighting conditions and can be seen at the widest viewing angle of any system in comparable price range.

| Description | Part No. | Price |
|---|----------|-------|
| TruTrak EFIS SG Diagonal Corner ith High Bright Display | 11-05965 | . |
| TruTrak EFIS SG DC Corner Bezel | 11-05966 | . |
| TruTrak EFIS SG Front Mount ith High Bright Display | 11-05967 | . |
| TruTrak EFIS SG Front Mount | 11-05968 | . |
| TruTrak EFIS SG AS- B Stack | 11-05969 | . |
| TruTrak EFIS SG Avionics Stack | 11-05970 | . |

CT PILOT SERIES AUTOPILOTS CT PILOT



- Fits 4.1" x 1.4" Cut-out
- Built-in Digital Slaved Directional Gyro
- Digital Track Selector
- GPS Nav Mode
- Altitude Hold
- Simple Intuitive User Interface
- All Solid-State Sensors
- Lighter and Smaller than Comparable Systems
- GPS Steering (GPSS) Optional (DigiFlight IIG FP)
- True Control Wheel Steering
- 12-28 volts
- Dimension - 4.3" H x 1.6" W x 5.5" D

• Standard weight including servos - 6lbs

| Model | Type | Part No. | Price |
|------------|----------|----------|-------|
| CT Pilot | Vertical | 11-06412 | . |
| CT Pilot G | Vertical | 11-06414 | . |

CT PILOT VS

- All DigiFlight II Features plus
- Climb and Descend on Vertical Speed
- Trim Sensing Pitch Servo that Annunciates for Trim
- GPS Steering (GPSS) Optional (DigiFlight IIG FP)
- 12-28 volts
- Dimension - 4.3" H x 1.6" W x 5.5" D
- Standard weight including servos - 6lbs

| Model | Type | PN | Price |
|--------------|----------|----------|-------|
| CT Pilot VS | Vertical | 11-06415 | . |
| CT Pilot VSG | Vertical | 11-06416 | . |

CT PILOT VSGV

- All DigiFlight II Features plus
- GPS Steering (GPSS)
- Vertical GPS Steering (GPSV)
- 12-28 volts
- Dimension - 4.3" H x 1.6" W x 5.5" D
- Standard weight including servos - 6lbs

| Model | Type | PN | Price |
|---------------|----------|----------|-------|
| CT Pilot VSGV | Vertical | 11-06417 | . |

TRIO AVIONICS – LONESTAR

TRIO AVIONICS



EZ PILOT AUTOPILOT - The EZ Pilot autopilot is a single axis, gyro stabilized roll control autopilot. It is a modern navigation system designed to accurately track a GPS flight plan or Go To course that is entered into a handheld or panel mount GPS receiver. Track, Course similar to a heading bug, and Intercept modes are available to the pilot. Pilot Command Steering simplifies course changes. Full data display of all GPS input data. Fits standard 3-18" instrument cutout. Length 3.8" Weight 6 ounces/ 169 grams Gold Standard Servo 27 ounces/ 765 grams P/N 11-06547



PRO PILOT AUTOPILOT - The Pro Pilot is a GPS enabled autopilot that provides high-quality 2 axis navigation solutions for Experimental and LSA aircraft. It uses solid-state MEMS gyros for pitch and roll stability. Horizontal and Vertical functions may be individually enabled. Horizontal navigation provides three modes of control: Track, Course and Intercept. Vertical navigation functions offer Altitude Hold, Climb/Descent with Airspeed Limiting, and Altitude Pre-Select. Multi-color LEDs and a bright PLED display screen provide a clear picture of functions and displayed data. LCD screen available upon request. Basic operation is as simple as pushing a button, while advanced features are easily accessible by means of illuminated tactile buttons and a rotary encoder. A slip-skid indicator and a turn rate display duplicate the functions of a standard turn rate coordinator. Advanced Safety Features: G force limiting, automatic servo disconnect on takeoff, intelligent servo with independent emergency disconnect authority, horizontal Track Offset Positioning, and Trio's automatic 180 degree turn feature for VFR pilots encountering poor weather. Fits a standard 3-1/8" instrument cutout. Length 6.1" Weight 12 ounces/ 340 grams Each Servo 27 ounces/ 765 grams P/N 11-06548
Auto-Trim option for existing aircraft electric pitch trim system - P/N 11-06549



EZ-1 ALTITUDE HOLD - Single axis altitude control system. Provides pitch stabilization and accurate altitude hold using MEMS gyro and sensitive altimeter. LCD switch/display provides a graphical message display for system messages, alerts and warning advisories. Rotary encoder allows fine altitude adjustments. G force limiting to prevent high wing stress alarms and disconnects when sensing high sustained G loads. Remote servo disconnect. Senses and displays pitch trim requirements. Weight 8 ounces/ 226 grams Servo 27 ounces/ 765 grams P/N 11-06550

EZ-2 ALTITUDE CONTROL - Same physical configuration and features as EZ-1 but adds climb/descent capability and airspeed capture. Pilot port on the electronics module enables airspeed sensing to prevent stalling or over-speeding the aircraft. Pilot Command Steering allows climbs and descents on vertical speed or airspeed. P/N 11-06551

EZ-3 ALTITUDE CONTROL - Same as EZ-2, but adds Altitude Pre-Select. Pilots may enter climb/descent rates and target altitude. Upon reaching the target altitude the EZ-3 will level the aircraft and automatically enter Altitude Hold mode. P/N 11-06552
Auto-Trim option for existing aircraft electric pitch trim system - P/N 11-06549

All altitude control systems employ the Trio Gold Standard servo.
ACCESSORIES

- E Pilot Harness Assembly..... P/N 11-06702
- E Altitude Control Harness Assembly..... P/N 11-06703
- ProPilot AutoPilot Harness Assembly..... P/N 11-06704
- Gold Standard Servo..... P/N 11-06705

COMMANDER 2000K



This high power unit is pre-wired in the take home mode. Simply slide your KLN90A/B, KLN89/B, KLN35 Series, and KLX-135 Series GPS or GPS-COM, into the tray of the Commander 2000K and explore your GPS receiver as if you were flying. Practice actual flight or approach at home, store flight plans, and learn all of your units functions. Update your units database via the internet using a desktop or laptop computer - save up to 300/year. Recommended by Allied-Signal in your operators handbook in the take home mode section. Appropriate connector is shipped free via PS Blue Label from the factory. Additional connectors, cooling fan, Argus and moving map interface available.

- 2000K Station..... P/N 11-18478
- 2000K 220VAC..... P/N 11-04876

COMMANDER 2900 TRIMBLE 2101 24VOLT



Lone Star Aviation's Docking Station for the Commander 2900 2101/C GR GPS System is designed to allow you to explore the FreeFlight Systems 2101/C GR features in a non-flying environment. Ideal for Guard units, EMS, Law Enforcement, DEA, Border Patrol, etc. staff training. Unit does not include cable. P/N 11-04926

COMMANDER 2900 KLN-900 DOCKING STATION



The Commander 2900K is Lone Star Aviation's Docking Station for BENDIX/KING/ ONE ELL KLN 900 D S-Mounted GPS. The portable docking station is designed to let you explore the KLN 900 features in a non-flying environment...in the comfort of your home or office. Operation is simple and fast, just slide your KLN 900 into the Commander's Tray and you are ready to go. P/N 11-04911

COMMANDER GARMIN GNS-430/530



Lone Star Aviation's Docking Station for Garmin's GNS 430/530 Flight Management System. The Commander is a portable Docking Station designed to let you explore the Garmin GNS 430/530 features in a non-flying environment.

Features: Simulate your route of flight and published approaches.

- Access sids and stars. • Program and store flight plans. • Simulate approaches. • Enter and store waypoints. • Reduce your learning curve. • Operating your GNS430/530 in flight will become automatic.

- GNS-430..... P/N 11-04864
- GNS -430 INT..... P/N 11-04865
- GNS-530..... P/N 11-04866
- GNS-530 INT..... P/N 11-04867

GARMIN COMMANDER GNS 480



The Commander 2000 GNS480 is a Docking Station designed to allow you to explore the Garmin GNS-480 CNX-80 features in a non-flying environment.

Features: Simulate your route of flight and published approaches * Access sids and stars * Program and store flight plans * Simulate approaches * Enter and store waypoints * Reduce your learning curve * Operating your GNS-480 CNX-80 in flight will become automatic P/N 11-04916

COMMANDER 2900 KMD 150 & 250



Lone Star Aviation's 2900 Station has been designed for the KMD 150, KMD 250 equipment so that the user can practice their GPS, Display and all of its functions in a non flying environment. The 1 port cooling fan LS03-02013 plugs into the rear accessory panel and provides 6-8 CFM of cooling

to the KMD 150/250 receiver. The KMD connectors plug into the rear panel of the Commander Station for an easy set-up so you can get right into the training mode. P/N 11-04922

COMMANDER STATION FOR C-5000



Lone Star Aviation's Commander Station has been designed for the Cessna C-5000 Control head equipment so that the pilot can practice GPS, control head functionality at his or her own pace in a non flying environment. The 1 port cooling fan LS03-02013 plugs into the rear accessory panel and provides 6-8 CFM of cooling to the C-5000 receiver. P/N 11-04928

LONESTAR ACCESSORIES

| Description | Part No. | Price |
|-----------------------------------|----------|-------|
| 1 Port Dock Station Cool Fan | 11-04859 | . |
| Multi-Signal Coverter | 11-04892 | . |
| KA-20 Mounting Bracket | 11-04873 | . |
| MX-20 Power Supply and Cable Kit | 11-04869 | . |
| SB to Serial Converter | 11-04884 | . |
| 150, 155, 165 Garmin Connector | 11-04899 | . |
| II Morrow with GX-55 | 11-04900 | . |
| II Morrow GX60 Connector | 11-04904 | . |
| II Morrow GX50 Connector | 11-04906 | . |
| CNX-80 Power / Simulation Harness | 11-04918 | . |
| Garmin 100 Connector | 11-04903 | . |
| 250, 300 Garmin Connector | 11-04902 | . |
| II Morrow 2001 Connector | 11-04901 | . |
| RF Magneto Filter | 11-04925 | . |
| SB Military Cable | 11-04891 | . |
| KLN-89B-94 Data Cable | 11-04882 | . |
| KLN-88-Power Cable | 11-04881 | . |
| KLN-35A Power Cable | 11-04880 | . |
| KLN-89B 94 Power Cable | 11-04879 | . |
| KLN-90A/B Power Cable | 11-04878 | . |
| KLX-135 Power Cable | 11-04874 | . |
| KLN-900 A/C Panel | 11-04913 | . |
| KLN-900 Power Cable | 11-04912 | . |
| SD Converter TSO 24-13.8 VDC | 11-04894 | . |
| DC Converter TSO 24-16 VDC | 11-04895 | . |
| DC Converter 24-19VDC TSO | 11-04898 | . |
| 6 Port Cable Kit 36 | 11-04914 | . |
| 6 Port Cable Kit 60 | 11-04915 | . |



ELTS

EBC ELTS



Emergency Beacon Corporation's ELT's are among the most popular on the market today due to their size, weight and convenience. These ELTs do not use lithium batteries, include external antennas and no AD notes have ever been issued on them. Internal antennas and test switches are included with the ELTs. Helicopter EBC ELTs are also available on request. EBC-102A is the smallest cabin mounted ELT available. Operating the toggle switch on top of the unit allows manual activation or pre-flight testing of the EBC-102A. The EBC-502 is fully approved by the FAA and FCC under TSO-C91a and is satellite compatible. It uses a 9V battery

pack and comes complete with a handhold lanyard, mounting bracket, and batteries. It is easily installed and requires no external antenna or cabling. Note EBC-10 portable ELT is manually operated only.

- Pocket-Size EBC-102 150 mi. portable ELT 11-17902.....
- 150 Mile ELT for aircraft installation EBC-102A.....
- 300 Mile ELT EBC-302.....
- 300 Mile ELT EBC-302V.....
- 2.5" x 2" D 8 EBC-502.....
- EBC GS21 ELT Battery 11-04771.....

POINTER 3000 SERIES ELTS



The Model 3000 AF/AP and 3000 AF which have been in production for twenty years are now revised to incorporate the upgrades of RTCA DO-183 for emergency locator transmitters. The new models, designated 3000-10 AF/AP and 3000-11 AF are interchangeable with existing units in form, fit and function. The 3000-10 and 3000-11 transmitters incorporate an alkaline battery pack specifically designed to endure the short term extreme thermal variations and mechanical shock requirements of RTCA DO-183. Installed weight is 2.0 lbs. Emergency voice transmission is provided on the 3000-10 transmitter if desired. Size 3 1/2" x 7 5/8" x 2-3/4" D.

- P/N 3000-10.....
- P/N 3000-11.....
- Accessories Battery pack, 2-year Alkaline ... P/N 11-17950.....
- Mounting bracket assembly P/N 2017.....
- Master switch guard kit P/N 2021.....
- Remote panel switch kit P/N 2019.....
- 2019-10 Remote switch kit..... P/N 11-05889.....
- Field remote whip antenna ... P/N 3001.....
- Coaxial antenna cable..... P/N 3002.....
- Telescopic antenna w/tether P/N 2006.....

NARCO 910 & 10 ELT ANTENNA

- Narco 910 10 ELT Antenna.....P/N 11-17310.....

ACK TECHNOLOGIES ELT MODEL E-01



This outstanding ELT from ACK Technologies meets or exceeds all of the current requirements of TSO C91-A as specified by the FAA. It exceeds required power output by over 100% and features a coherent beacon designed for satellite detection. Also included is a miniature instrument panel controller for verification and testing of proper operation of the unit. Rated for full salt water immersion which far exceeds FAA TSO requirements. Comes complete with mounting tray, portable external antenna, installation harness, and life raft tether. Uses standard duracell alkaline D cell batteries which eliminates high replacement battery costs. Size 7.75" x 2.75" x 3.6 lbs. Model E-01 P/N 11-17960.....

- ELT Replacement antenna.....P/N 11-17961.....
- ACK E-01 ELT G-Switch E-01G..... P/N 11-05537.....

ACK E-01 REMOTE SWITCH



- RCPI nit / Remote Switch / E-01 E-01-05 P/N 11-05262.....

ACK 406/121.5 MHZ E-04 ELT



The all new E-04 ELT is a direct replacement for the more than 62,000 model E-01 ELT's by ACK on the market today. The new E-04 fits directly into the current E-01 mounting trays and uses the same remote control panel indicator. The E-04 external antenna will utilize your current antenna mounting and wiring installations.

Undergoing certification testing, ACK is not accepting orders for the E-04 until ELT certification process is complete.

Available Appro. July 1, 00

Features: * Accepts GPS position input data from Bendix/King, Garmin, Nema 0183 GPS * New antenna is swept back 20 degrees, and features a molded plastic base. * 5 watts 406MHz for 24 hours, and 100 Mw 121.5 MHz for 48 hours. * New simple plug in audible alert indicator. * New lithium battery pack offers a 5 year battery life, and makes it substantially lighter. * Can use Ameri-king remote panel indicator

| Description | Part No. | Price |
|--------------------------------|----------|-------|
| ACK E-04 406M ELT KIT | 11-06395 | . |
| Accessories | Part No. | Price |
| ACK E-01 TO E-04 RETRO FIT KIT | 11-06396 | . |

POINTER ELT 8000 SERIES



The COSPAS/SARSAT search and rescue network will discontinue monitoring the current 121.5/243.0 MHz frequencies as of Feb. 1, 2009. The 121.5/243.0 MHz frequencies will continue to be monitored on a voluntary basis by overflying aircraft and utilized by the current search and rescue organizations. After this date, the COSPAS/SARSAT will monitor only 406 MHz. The 406 MHz aircraft ELT, defined by COSPAS/SARSAT operational specifications, incorporates many new features and improvements for search and rescue.

To comply with the new requirements, Pointer, Inc is pleased to announce the Model 8000 series ELT. The transmitter design incorporates the functional and programming requirements of COSPAS/SARSAT specification CST.001, FAA RTCA DO-204 and TSO-C126. The Pointer ELT Model 8000 series transmits phase modulated aircraft identification data on the 406 MHz frequency to quickly identify an emergency. The unit also transmits 121.5 MHz frequency for airborne and ground search operations. Optional features include factory or field programming of the microprocessor as a separate module and internal GPS. The approval program is in process and have completed COSPAS/SARSAT testing. FAA testing has begun.

| Description | Part No. | Price |
|---|----------|-------|
| Model 8000-1 AF Complete nit | 11-07543 | . |
| Model 8000-1 AF * Complete nit Model is a helicopter version with four additional G-switches to provide hemispherical activation. | 11-07544 | . |
| International version | | |
| Description | Part No. | Price |
| Model 8000-1 AF Complete nit | 11-07545 | . |
| Model 8000-1 AF * Complete nit Model is a helicopter version with four additional G-switches to provide hemispherical activation. | 11-07547 | . |

| Accessories | | |
|------------------------------|----------|-------|
| Description | Part No. | Price |
| Battery Pack | 11-07548 | . |
| Mounting Bracket | 11-07549 | . |
| Remote Switch | 11-07550 | . |
| Remote Antenna 3000-15 | 11-07551 | . |
| Pointer Remote Antenna Cable | 3002 | . |

ELT REPLACEMENT BATTERIES

We now offer the complete line of ELT replacement battery packs. These top quality battery packs are factory new meet or exceed FAA TSO-C91a and are also Transport Canada approved. Request current price on any ELT replacement battery or ELT, not shown here. NOTE: ELT Replacement batteries are non-returnable due to shelf-life.

| Application | Part No. | Price |
|--------------------------|----------|-------|
| BS2166 Elt Battery | 11-04758 | . |
| Dorne M. 2 yr. | 11-17920 | . |
| EBC102/302 2 yr. - GS-21 | 11-17925 | . |
| Garrett R88 2 yr. | 11-17930 | . |
| Meril/Larago 2 yr. | 11-17935 | . |
| Martec Eagle | 11-17940 | . |
| CIR-11 | 11-17910 | . |

| Application | Part No. | Price |
|-------------------|----------|-------|
| Narco 2 yr. ELT10 | 11-17945 | . |
| Pointer 2 yr. | 11-17950 | . |
| Sharc-7 2 yr. | 11-17955 | . |
| Arte 110-4 | 11-17957 | . |
| EBC 502 - GS-52 | 11-02577 | . |
| BS2166 | 11-04758 | . |
| ELT-200 | 11-14935 | . |

P/N 11-047 8

AV

ELTS

EBC 406-SERIES ELT'S



The EBC 406 is designed with the newest technology. These transmitters have encapsulated electronics and battery packs to provide for added protection against shock, moisture, and other environmental hazards. They have a built-in monitor that emits a loud beeping tone if the ELT is activated. They can be activated either automatically or manually. The EBC 406 AP-Series ELT should be installed in the cabin of the aircraft. Allows for easy removal of the ELT in case of an actual emergency - must disconnect the external antenna coax cable and attach the survival antenna. The EBC 406 AF-Series should be installed in the tail section of the aircraft for those who prefer that ELT location. In that case, a remote unit is provided for the aircraft panel so the ELT can be controlled by the pilot. Survival antenna is used when the transmitter is removed from the aircraft. All EBC 406 ELT's have a built-in self test feature that allows the pilot to check 406 power and the antenna-coax connection. Both cabin and tail mount ELT's use an external antenna. Features:

- Operating Freqs: 406.028 MHz and 121.5 MHz
- Output Power on 406 MHz: 5W for 24 Hours at -20C
- Output Power on 121.5 MHz: 50mW min for 50 Hours at -20C
- Operating Temperature: -20C to +55C
- Useful Battery Life: 5 Years or 1 Hour of Cumulative Use
- Modulation 406 MHz: Biphase L (16KOG1D)
- Modulation 121.5 MHz: Swept Tone 1600Hz to 300 Hz, 2-4 Times/Second
- Automatic Activation: Velocity Change of 4.5 feet per Second
- Altitude: 50,000 feet
- Decompression: 8000 feet to 40,000 feet
- High Pressure: -15,000 feet
- Humidity: 95% for 50 Hours
- Shock Performance: Withstands 500G's on 6 axes
- Vibration: Withstands 10 G's
- Immersion: Withstands 24 hours in Salt Water
- Warranty 2 years, Made in the USA.

| Model | Description | Part No. | Price |
|---------------|--|----------|-------|
| EBC 406AP | For fixed wing aircraft. Includes transmitter, survival antenna, mounting bracket, external whip antenna with cable, battery pack. For cabin/cockpit installation. | 11-05917 | . |
| EBC 406AF | For fixed wing aircraft. Includes transmitter, survival antenna, mounting bracket, external whip antenna with cable, remote control monitor with connector kit battery pack. For aircraft tail installation. | 11-05918 | . |
| EBC 406AP | Same as AP system but with omni-directional helicopter activation system. For helicopter use only. | 11-05919 | . |
| EBC 406AF | Same as AF system but with omni-directional helicopter activation system. For helicopter use only. | 11-05920 | . |
| EBC 406 M | Cabin mounted tri-frequency ELT 406.028, 121.5 and 243.0 M z Non-reflective flat black for night vision equipment compatibility. Integral antenna, omni-directional helicopter activation system and battery pack. | 11-05921 | . |
| EBC-406 M-INT | Int'l | 11-07240 | . |
| EBC 406APM | Same as EBC 406AP but finished in non-reflective flat black for night vision equipment compatibility. Tri-frequency signal. Comes with external rod antenna. | 11-05922 | . |
| EBC 406AFM | Same as EBC 406AF but finished in non-reflective flat black for night vision equipment compatibility. Tri-frequency signal. Comes with external rod antenna. | 11-05923 | . |
| EBC 406AP M | Same as EBC 406APM but with the addition of an omni-directional helicopter activation system. For cabin mounting. Comes with external rod antenna. | 11-05924 | . |
| EBC 406AF M | Same as EBC 406AFM but with the addition of an omni-directional helicopter activation system. For tail mounting. Comes with external rod antenna. | 11-05925 | . |

ACCESSORIES

| Model | Description | Part No. | Price |
|----------|---|----------|-------|
| GS-46 | 5 year lithium battery pack for any of EBC's 406 ELTs | 11-05926 | . |
| BB-12 | Mounting bracket for EBC 406AP series ELTs | 11-05927 | . |
| BB-12M | Mounting bracket for EBC 406 M, APM and AP M | 11-05928 | . |
| BB-14 | Mounting bracket for EBC 406AF series ELTs | 11-05929 | . |
| RCM-1 | Remote Control Monitor for EBC 406AF series ELTs with connector kit | 11-05930 | . |
| ANT-406 | External whip antenna for both EBC 406AP and AF series ELTs. Two frequencies | 11-05931 | . |
| ANT-406T | Survival tape antenna for all EBC 406 ELTs. Three frequencies | 11-05932 | . |
| ANT-406R | External rod antenna for helicopter or high speed use. For use with three frequencies 406 ELTs. | 11-05933 | . |
| ANT-406B | Blade antenna for high speed use. Three frequencies | 11-05934 | . |
| CB-1 | 6ft. cable between ELT and antenna | 11-05935 | . |
| Manual | Operation and Installation Manuals | 11-05936 | . |

AMERI-KING AK-451

PERSONAL LOCATOR BEACON



ACOSPAS-SARSAT FCC approved, 406 M z Satellite P-ELT Personal Emergency Locator Transmitter, triple 406 Satellite /243 Military /121.5 Civilian M z frequencies. Having triple frequencies insures your distress message reaches both NOAA Satellite Operation and S Air Force AFSR Ground Operation, Search and Rescue Team, with 100 confidence, due to transmitting on both 243.0 Military and 121.5 Civilian bands, for immediate ground search dispatch, narrowing the searching time to the minimum. The Position accuracy of the 406 M z satellite signal is about 110 meters at 9.5 degree Cross Track Angle found in Satellite Qualitative Test at a COSPAS-SARSAT approved Laboratory). Features:

- Applicable to all Aviation Uses such as Flying, Gliding, etc.
- Harsh/ Robust/ Heavy Duty P-ELT in an enduring composite Emergency Carrying Case.
- Ultra long lasting Battery Package, up to 78 hours
- 20 deg C, end of life, 10 years useful life
- Lithium type, LiMnO₂ 4 D-Size. P/N 11-06305

AMERI-KING AK-450 ELT



The AK-450 ELT from Ameri-King is FAA TSO-C91a approved meets FCC rule for improved satellite detection. It features voice transmitting capability, visual on lights for both ELT main unit and remote panel, and uses standard Duracell batteries included. Includes low drag aircraft antenna, portable antenna, remote control panel, wiring and coaxial cable assembly, handheld lanyard web, mounting tray and clamp. Size 4.27 w x 2.95 h x 5.64 l. t 2 lbs., 10 oz. 2 yr factory warranty ATTENTION 2009, the international COSPAS-SARSAT satellite system will no longer provide satellite-based monitoring of the 121.5/243 M z frequency. After the date of the satellite termination, in 2009, 121.5 M z signals transmitted from ELTs operating on the lower frequency will only be detected by ground-based receivers such as local airport facilities or air traffic control facilities or by overflying aircraft.....P/N 11-02790

- ELT for helicopter 6 axes AK450-1.....P/N 11-01249
- AK-450 Cable Assembly.....P/N 11-04973
- AK-450 Remote Switch.....P/N 11-04937
- AK-450 Coaxial Assembly.....P/N 11-04938
- 2 year warranty.....P/N 11-05793
- AK-450 antenna 450017.....P/N 11-03303

AMERI-KING AK-451 ELT



*Mic jack feature not available on 40 MHz E Ts FAA TSO d approved, EASA ETSO d approved, 406 M z ELT Emergency Locator Transmitter Types AF Automatic Fixed, AP Automatic Portable. It transmits aircraft position data, immediately and accurately, on triple 406 Satellite /243 Military /121.5 Civilian M z frequencies. Having triple frequencies insures your distress message reaches both NOAA Satellite Operation and S Air Force AFSR Ground Operation, Search and Rescue Team, with 100 fully confidence, due to transmitting on both 243.0 M z Military and 121.5 M z Civilian bands, for immediate ground search dispatch. **Package Includes:** * AK-451 w/ Battery AF/AP ELT * Portable Antenna * Whip, Rod, or Blade Antenna * Remote Switch * Prefabricated 25 Foot wiring harness Assembly * Audible Buzzer Monitor * Six Foot Coaxial Cable Assembly * Mounting Tray * Velcro holder * Portable Soft Case

| Model No. | Description | Part No. | Price |
|-----------|--|----------|-------|
| AK-451-2 | ELT / Whip and Port Antenna. | 11-06677 | . |
| AK-451-3 | ELT / Rod 3 and Port Antenna. | 11-06678 | . |
| AK-451-4 | ELT / Rod 4 and Port Antenna. | 11-06758 | . |
| AK-451-5 | ELT / Blade and Port Antenna. | 11-06679 | . |
| AK-451-6 | ELT 406/GPS/NAV POS/ Whip and Port Ant. | 11-06680 | . |
| AK-451-10 | ELT Set with Auto Portable and Port ant. | 11-06683 | . |
| AK-451-11 | ELT Survival 406/243/121.5 M z | 11-06684 | . |
| AK-451-12 | ELT w/ Multi Axes G.Switch for el. Dual Ant. | 11-06691 | . |
| AK-451-13 | ELT Set w/GPS Opt Multi Axes | 11-06692 | . |
| AK-451-14 | ELT Set 406 Rod/Port Ant./ Helicopter | 11-06970 | . |
| AK-451-15 | EL Set 406 for Helicopter | 11-06969 | . |
| AK-451-16 | ELT Set/ Helicopter/Opt Multi Axes | 11-06971 | . |
| AK-451-17 | ELT Set/ Helicopter/GPS/NAV POS | 11-06972 | . |
| AK-451-18 | ELT Set 406/GPS/NAV POS/ Helicopter | 11-06973 | . |

INTERNATIONAL PROGRAMME E TS - Can be programmed for international registered aircraft specify when ordering.

| Model No. | Description | Part No. | Price |
|------------|---------------------------------------|----------|-------|
| AK-451-CAN | ELT / Whip and Port Antenna. Canadian | 11-06966 | . |
| AK-451-INT | ELT with Whip and Port Antenna. Int. | 11-06968 | . |
| AK-451-INT | ELT with Rod 3 hole antenna | 11-07563 | . |
| AK-451-INT | ELT with Rod 4 hole antenna | 11-07566 | . |
| AK-451-INT | ELT with Blade antenna | 11-07568 | . |
| AK-451-ELI | ELT with Whip antenna heli. | 11-07560 | . |
| AK-451-GPS | ELT with GPS/NAV antenna whip | 11-07569 | . |
| AK-451-GPS | ELT with GPS/NAV antenna rod 3 hole | 11-07570 | . |
| AK-451-GPS | ELT with GPS/NAV antenna rod 4 hole | 11-07571 | . |
| AK-451-GPS | ELT with GPS/NAV antenna blade | 11-07572 | . |

| ACCESSORIES | Part No. | Price |
|--|----------|-------|
| Installation Adapter Kit | 11-06988 | . |
| AK-451 ELT Replacement Battery | 11-06686 | . |
| ELT ID Software Reader | 11-06974 | . |
| Optional Mil Spec Remote wiring harness Assembly. 25 | 11-06760 | . |
| Whip Ant., General Aviation. 250 knots. 406/121.5M | 11-06690 | . |
| Rod4. Business et. 350 knots. 406/243/121.5 M | 11-06761 | . |
| Blity Pack Lithium. LIS02. 4D Cells. 87 rs Lasting. 5 ear Life | 11-06685 | . |
| Rod3. Business et aircraft. 350 knots. 406/243/121.5 M | 11-06689 | . |

AV

KANNAD 406 ELT'S

KANNAD 406 AF (6D) - Designed to be installed near the tail and to be connected to an outside antenna. A sophisticated 6 way shock sensor system will activate the ELT automatically in the event of a crash. Its small size and light weight makes it ideal for any helicopter. The Mounting Bracket, 1 Strap is not included. Features * Automatic Fied ELT * Specifically designed for aircraft or helicopters * Fitted with 6 G-switches * Three frequency transmitter 121.5 / 243.0 / 406 M z * 6 year battery life-time * Short circuit protection * eight 1260 gr ma



KANNAD 406 AF - Designed to be installed near the tail and to be connected to an outside antenna. A sophisticated shock sensor system will activate the ELT automatically in the event of a crash. Its small size and light weight make

it ideal for general aviation. The Mounting Bracket, 1 Strap is not included. Features * Optional Navigation Interface transmits GPS coordinates significantly shortening Search and Rescue response time. * Operates without aircraft power and incorporates an internal alarm/buzzer avoiding costly installation procedures. * Si year lithium manganese battery. * Three frequency transmitter 121.5 / 243 / 406 M z * eight Including batteries 2.44 lbs 1110 g / ma 2.60 lbs 1180g

P/N 11-05786
406 AF ELT International..... P/N 11-06987



KANNAD 406 AF-H - Can be installed on board helicopter in flat position Features * Optional Navigation Interface transmits GPS coordinates significantly shortening Search and Rescue response time. * Operates without aircraft power and incorporates an internal alarm/buzzer avoiding costly

installation procedures. * Si year lithium manganese battery. * Rod ANT300 or Blade ANT650 ELT antennas sold separately. * Three frequency transmitter 121.5 / 243 / 406 M z * eight Including batteries 2.44 lbs 1110 g / ma 2.60 lbs 1180g P/N 11-05790
406 AF- ELT International..... P/N 11-07559



KANNAD 406 AS - The KANNAD 406 AS is a aeronautical survival beacon. Thanks to its small size and light weight, the Kannad 406 AS fits easily inside a liferaft. It is supplied with a floating collar. Features * Battery replacement is only every 6 years. * Precise pinpointing (<1NM) due to the unparalleled frequency accuracy of the 406 transmitter. * Three frequency transmitter 121.5 / 243 / 406 M z * eight including battery, au iliary antenna and floating collar 2.53 lbs 1150 g P/N 11-05787

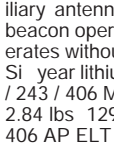


KANNAD 406 SURVIVAL - Fitted with a water switch sensor. It is automatically activated when in contact with water. Emergency locator transmitter of type S , the survival is supplied with a floating collar. Features * Si year lithium battery. * Includes water sensor switch and is automatically activated when in water. * Three frequency transmitter 121.5 / 243 / 406 M z * eight including battery, au iliary antenna and floating collar 3.031 lbs 1375 g P/N 11-06287

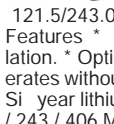
KANNAD 406 AP - Installed near the tail and connected to an outside antenna. A sophisticated shock sensor system will activate the ELT automatically in the event of a crash. When removed from the bracket and connected to the au iliary antenna, the Kannad 406 AP becomes an autonomous survival beacon operating on 3 frequencies 121.5/243/406 M z . Features Operates without aircraft power and incorporates an internal alarm/buzzer * Si year lithium manganese battery. * Three frequency transmitter 121.5 / 243 / 406 M z * eight ith battery, bracket, and au iliary antenna 2.84 lbs 1290 g P/N 11-06284
406 AP ELT International..... P/N 11-07558



KANNAD 406 AP-H - Installed on board helicopter in a flat position. When removed from its bracket and connected to the au iliary antenna, the Kannad 406 AP- becomes an autonomous survival beacon operaing on 3 frequencies. 121.5/243.0/406 M z . The Mounting Bracket, 1 Strap is not included. Features * Itra small size and light weight ideal for any helicopter installation. * Optional Navigation Interface transmits GPS coordinates. * Operates without aircraft power and incorporates an internal alarm/buzzer. * Si year lithium manganese battery. * Three frequency transmitter 121.5 / 243 / 406 M z * eight ith battery, bracket, and au iliary antenna 2.84 lbs 1290 g P/N 11-05788
406 AP- ELT International..... P/N 11-07557



KANNAD 406 AP-H - Installed on board helicopter in a flat position. When removed from its bracket and connected to the au iliary antenna, the Kannad 406 AP- becomes an autonomous survival beacon operaing on 3 frequencies. 121.5/243.0/406 M z . The Mounting Bracket, 1 Strap is not included. Features * Itra small size and light weight ideal for any helicopter installation. * Optional Navigation Interface transmits GPS coordinates. * Operates without aircraft power and incorporates an internal alarm/buzzer. * Si year lithium manganese battery. * Three frequency transmitter 121.5 / 243 / 406 M z * eight ith battery, bracket, and au iliary antenna 2.84 lbs 1290 g P/N 11-05788
406 AP- ELT International..... P/N 11-07557



KANNAD 406 AP-H - Installed on board helicopter in a flat position. When removed from its bracket and connected to the au iliary antenna, the Kannad 406 AP- becomes an autonomous survival beacon operaing on 3 frequencies. 121.5/243.0/406 M z . The Mounting Bracket, 1 Strap is not included. Features * Itra small size and light weight ideal for any helicopter installation. * Optional Navigation Interface transmits GPS coordinates. * Operates without aircraft power and incorporates an internal alarm/buzzer. * Si year lithium manganese battery. * Three frequency transmitter 121.5 / 243 / 406 M z * eight ith battery, bracket, and au iliary antenna 2.84 lbs 1290 g P/N 11-05788
406 AP- ELT International..... P/N 11-07557



KANNAD 406 AF-COMPACT ELT KIT - Designed for all light aircraft requiring a very compact automatic fi ed ELT that is fully FAA TSO-C126 approved. The robust and reliable shock sensor will automatically activate the ELT in the event of a crash, the pilot can also manually activate the

ELT in case of emergency. Features * Itra small size and light weight ideal for any general aviation aircraft. * Si year lithium manganese battery. * Complete kit with install manual.. * Two frequency transmitter 121.5 / 406 M z * eight Including batteries 1.87 lbs 850 g / ma 1.92 lbs 875 g P/N 11-05786
406 AF-Compact, International..... P/N 11-0631

KANNAD 406 XS-3 GPS



A personal COSPAS-SARSAT beacon with built-in-GPS. Complies with class 2 of the Cospas-Sarsat global system. Programmed with a unique serialised code that must be registered with national authorities. This enables the identification of the beacon owner as well as the environment where the beacon is used land, air, marine . This information is vital for search and rescue operations to gain precious time. Comes with a very resistant pouch for multi-environmental use. The beacon is buoyant, watertight and remains attached to its pouch. Lies naturally flat on the ground for optimum use in hostile conditions. The antenna is easily unfolded when the beacon is used. An advantage is that the antenna folds back into place around the housing for protection P/N 11-06295
406 XS-3 International..... P/N 11-06620

KANNAD ANTENNAS

ANT300 - ROD ANTENNA - Small whip for radiation on the COSPAS-SARSAT 3 frequencies 121.5 / 243/406 M z . Speed rating up to 300 - 350 kts. Metallic base plate with 3 fi ing holes. BNC connector female out). Impedance: 50 ohms. VSWR (relative to 50 ohms):<1.7:1. Weight: 0.33 lb 150 g . Antenna height 15.56 in 395 mm **Applications** * AF-Compact, AF, AF- , AS, AS- P/N 11-06292

ANT 110 - AUXILIARY ANTENNA (TNC) - Turns Kannad ELT AF AF- into a portable survival unit. Stores under the velcro strap of the mounting tray. **Applications:** KANNAD 406 AS TNC and S RVIVAL model **Caution** A KANNAD 406 AF associated with an ANT10 cannot be used as an KANNAD 406 AP even if it may look identical P/N 11-06289

ANT100 - AUXILIARY ANTENNA (BNC) - Au iliary hip antenna. Turns any Kannad ELT into a portable survival unit. Stores under the velcro strap of the mounting tray. P/N 11-06288

ANT200 - WHIP ANTENNA - Dual frequency antenna 121.5 / 406 M z Speed rating up to 250 kts. Can easily be installed through a single hole 13 mm, 0.515 in. in the aircraft skin. BNC connector female out . Impedance 50 ohms Antenna eight 24 in 609.6 mm **Applications** AF-Compact P/N 11-06290

ANT650 - BLADE ANTENNA - Developed by RA AN. Three frequency antenna 121.5 / 243 / 406 M z igh performance low profile outside antenna designed for Corporate ets and airliners **Applications** AF, AF- , AS, AS- * igh Speed Aircraft * TSO and TSO P/N 11-06294

KANNAD ACCESSORIES

RC200 - REMOTE CONTROL - Outline Dimensions 1.3 1.97 1.69 in 33 50 43 mm . 3-position red switch ON, ARMED, TEST/RESET . D-S B 9 pin connector with threaded locking device NC 4-40 .The Kit includes mating S B-D9 connector for easier installation. **Applications** AF- Compact, AF, AF- , AP, AP- Switch is not waterproof. Cannot be installed flat. P/N 11-06302

BAT300 - BATTERY REPLACEMENT KIT - **Application** AF, AF- , AP, AP- , AS, Survival Comes with 3 cell battery pack, replacement o-ring, desiccant pack and replacement self locking nuts. P/N 11-06296

MOUNTING BRACKET 1 STRAP- Designed to fi the ELT with a retaining strap for quick removal in an emergency ualified to maintain the ELT into place during 500 G shocks for 4 ms. **Applications** AF, AF- , AP, AP- P/N 11-06301

PROGRAMMING DONGLE, ASSY - Din 12 connector with serial memory module SMM for programming operations. Fitted with a female DIN12 connector on RCP side instead of 19 Pts aeger connector. Contains the aircraft identification data Avoids the use of specific programming equipment such as PR600 Computer in case of ELT replacement. C a - ible with all KANNAD 406 ELTs P/N 11-06304

DIN12 CONNECTOR - For connection to Remote Control Panel, CSI44 interface module, dongle or programming equipment. **Compatible** with all KANNAD 406 ELTs P/N 11-06303

KANNAD PROGRAMMING DONGLE - A smart connector identical to the DIN12 that is used to store aircraft programming information. Once attached to the ELT wire harness it allows fleet operators to move any ELT to any other aircraft. The stored aircraft data will be automatically downloaded into the ELT. This connector is used in place of the DIN12 connector. Required for Navigation Interface connection. P/N 11-07088

KANNAD PROGRAMMING DONGLE INT - Can be use with the following Kannad ELT models AF-COMPACT, AF, AF- , AP, AP- , AS, S R-VIVAL P/N 11-06990

KANNAD 406 PR600 ELT PROGRAMMING TRAINER - Replaces the former PR550 Programming Equipment kit. P/N 11-07102

KANNAD 406 AS CARRY OFF BAG - P/N 11-07716

KANNAD 406 AS CARRY OFF BAG SHORT - P/N 11-07717

KANNAD 406 AS MOUNTING BRACKET - P/N 11-07718

KANNAD 406 AS LOCKING PIN - P/N 11-07719

ELTS

ARTEX ME406 ELT



The Arte ME-406 is a single output ELT. Two emergency frequencies 121.5 and 406.028 M z utilize the same RF output, requiring only one coax cable to connect to the new series of Arte single input antennas. The ELT automatically activates during a crash and transmits the standard swept tone on 121.5 M z. Every 50 seconds for 440 milliseconds the 406 M z transmitter turns on and transmits an encoded digital message to the Cospas/Sarsat satellite system. The mounting hardware for the ME-406 Series is compatible with all previous models of Arte 406 M z, as well as the ELT200 Series, ACK, Pointer Model 3000 ELT and Narco ELT s. Current owners of Arte 2-frequency ELT can re-use the remote switch in the cockpit as well as the wiring harness from the cockpit to the ELT thus greatly reducing installation costs.

| USA PROGRAMME E TS | | | |
|--|----------|---|-------|
| Artex No. | Part No. | Description | Price |
| ME406 | 11-03492 | Arte ME406 ELT w/ whip antenna. | . |
| ME406 | 11-03493 | Arte ME406 ELT w/ rod antenna. | . |
| INTERNATIONAL PROGRAMME E TS | | | |
| Artex No. | Part No. | Description | Price |
| ME406 | 11-04652 | Arte ME406 ELT w/ whip antenna. Can be programmed for international registered aircraft. Specify when ordering. | . |
| ME406 | 11-06370 | Arte ME406 ELT w/ rod antenna. Can be programmed for international registered aircraft. Specify when ordering. | . |
| ACCESSORIES | | | |
| Description | Part No. | Price | |
| Arte ME406 whip antenna | 11-06978 | . | |
| 5-Conductor A G 22 Shielded Wiring for ELT to Remote Switch Installation. Recommended by Arte. | 11-06580 | . | |
| Arte ME406 Replacement Battery Kit | 11-05277 | . | |
| Arte ME406 Mounting Tray | 11-07191 | . | |

ARTEX ME406 HM ELT



The Arte ME-406 M is a single output ELT. Two emergency frequencies 121.5 and 406.028 M z utilize the same RF output, requiring only one coax cable to connect to the new series of Arte single input antennas. The ELT automatically activates during a crash and transmits the standard swept tone on 121.5 M z. Every 50 seconds for 440 milliseconds the 406 M z transmitter turns on and transmits an encoded digital message to the Cospas/Sarsat satellite system. The mounting hardware for the ME-406 Series is compatible with all previous models of Arte 406 M z, as well as the ELT200 Series, ACK, Pointer Model 3000 ELT and Narco ELT s. Current owners of Arte 2-frequency ELT can re-use the remote switch in the cockpit as well as the wiring harness from the cockpit to the ELT thus greatly reducing installation costs.

| USA PROGRAMME E TS | | | |
|--|----------|--|-------|
| Artex No. | Part No. | Description | Price |
| ME406 M | 11-04966 | Arte ME406 M ELT w/ rod antenna. | . |
| INTERNATIONAL PROGRAMME E TS | | | |
| Artex No. | Part No. | Description | Price |
| ME406 M | 11-05670 | Arte MA406 M ELT w/ rod antenna. Can be programmed for international registered aircraft. Specify when ordering. | . |
| ACCESSORIES | | | |
| Description | Part No. | Price | |
| 5-Conductor A G 22 Shielded Wiring for ELT to Remote Switch Installation. Recommended by Arte. | 11-06580 | . | |
| Arte ME406 replacement battery kit | 11-05277 | . | |

ARTEX C406 ELT



This system operates on the latest Search Rescue SAR frequency of 406.025 M z in addition to 121.5 243 M z. Comes ready to connect to the Arte ELT NAV interface, which enables the ELT to transmit Latitude and Longitude data P/N 455-6500. Includes ELT transmitter, LiMnO2 5-year battery pack, mounting bracket, remote switch, horn/buzzer, coax cables, high speed blade antenna, installation hardware, and installation and operation manual. The C406- antenna system is approved for aircraft operating speeds up to Mach 1, and C406-2 is approved for speeds up to 350 knots. The C406-1 uses a single connector antenna and a single coax feed cable to accommodate all 3 frequencies. COSPAS/SARSAT, FAA TSO C126 TSO-2C126 Approved. C406-1 ELT with 110-340 Blade AntennaP/N 11-02984 C406-2 ELT with Rod AntennaP/N 11-02985

ARTEX 2-WIRE REMOTE INTERFACE SYSTEM



This product allows an upgrade to an Arte 5- wire 406 M z ELT using an existing 2-wire configuration. The 2- wire Remote Interface allows two wires from the existing wiring harness to connect the cockpit remote switch to the ELT for simplified, cost-efficient installation.

P/N 11-07776

ARTEX C406-N ELT



The Arte C406N is a single output ELT that incorporates latitude/longitude information from the aircraft navigation system. By use of an optional programming adapter, the ELT can also be programmed with the aircraft's 24-Bit address for fleet operators as well as other custom programming. All 3 emergency frequencies 121.5/243.0 and 406.028 M z utilize the same RF output, which requires only 1 coax cable to connect to the new series of Arte single input antennas. The ELT automatically activates during a crash and transmits the standard swept tone on 121.5 and 243.0 M z. Every 50 seconds for 520 milliseconds long message protocol the 406.028 M z transmitter turns on and transmits an encoded digital message to the Cospas/Sarsat satellite system. Also available is the Arte C406-N M, which is equipped with a 6 a ts G switch for helicopter installations.

| Artex No. | Part No. | Description | Price |
|---------------------------|----------|---|-------|
| C406-N | 11-02973 | Arte ELT 100 M- helicopter version of the basic ELT 110-4 System. | . |
| C406-N ELT KIT | 11-02983 | C406-N Kit- Includes Transmitter, 5-year Battery Pack, High Speed Rod Antenna 350 knots, Remote switch, Horn/Buzzer, Mounting Bracket, Coax Cable, Install Hardware and Manual. | . |
| C406-N with Blade Antenna | 11-06503 | C406-N ELT with SB Antenna 110-340 | . |

Arte ELT/Remote Switch Wire.....P/N 11-06580

ARTEX G SERIES EMERGENCY LOCATOR TRANSMITTER



The Arte G406-4 transmits on all 3 emergency frequencies 121.5/243.0 and 406 M z. The ELT automatically activates during a crash and transmits the standard swept tone on 121.5 and 243.0 M z. The G406-4 also transmits a 406.025 M z encoded digital message to the Cospas/Sarsat satellite system, which allows for rapid identification and reduces Search and Rescue response time. The G406-4 has been tested to meet the rigorous requirements of TSO C126 including 500 G shock, 1000 pound crush as well as flame and vibration tests. The G406-4 is available for use with Arte s low cost whip antennas or a sturdy fiberglass rod antenna. The G406-4 also may be interfaced with the Arte ELT/NAV Interface which enables latitude and longitude data to be transmitted as part of the 406.025 M z message. The G406-4 is value priced to meet your ELT needs.

| USA PROGRAMME E TS | | | |
|--|----------|---|-------|
| Artex No. | Part No. | Description | Price |
| G406-4 | 11-01165 | Arte G406-4 ELT w/ whip antenna. | . |
| G406-4 | 11-01166 | Arte G406-4 ELT w/ rod antenna. | . |
| INTERNATIONAL PROGRAMME E TS | | | |
| G406-4 | 11-02991 | Arte G406-4 ELT w/ whip antenna. Can be programmed for international use. | . |
| G406-4 | 11-02992 | Arte G406-4 ELT w/ rod antenna. Can be programmed for international use. | . |
| ACCESSORIES | | | |
| Description | Part No. | Price | |
| Arte ELT/NAV interface | 11-05270 | . | |
| Arte G406-4 replacement battery | 11-02946 | . | |
| 5-Conductor A G 22 Shielded Wiring for ELT to Remote Switch Installation. Recommended by Arte. | 11-06580 | . | |

ARTEX ME406/P ELT



The ME406/P automatic, portable is using the proven technology of the ME406 and attaching a removable wrap-around auxiliary flexible antenna. It allows the disconnection of the ELT from the installed aerial antenna, removal of the transmitter from a downed aircraft and after attaching the flexible antenna the distress call is again transmitted with full signal strength to reach the COSPAS-SARSAT satellites. Although Search and Rescue authorities recommend to remain in close proximity to the aircraft, using the ME406/P in its portable version enables to wait for the Search and Rescue crews in areas sheltered better from the environment.

SA ProgrammedP/N 11-05671 International Programmed.....P/N 11-06985

ARTEX ELT NAV INTERFACE WITH 24 BIT



The Arte ELT to NAV Interface is designed to be connected between the aircraft's Flight Management Computer FMC or GPS receiver and the Arte 406 M z series of ELT s. Receives continuous position updates from the aircraft's navigation system and translates it for use by the ELT. Upon activation, the ELT transmits digitally the Latitude and Longitude of the aircraft to the COSPAS/SARSAT satellite system. Allows SAR forces to launch an immediate mission to the last known position of the aircraft. P/N 11-05270

AV

PERSONAL LOCATOR BEACONS



MICROFIX 406 GPS PERSONAL LOCATOR BEACON

In an emergency, the MicroFi™ transmits on 406 M z via the COSPAS-SARSAT satellite system with the sender's unique registered, digitally coded distress signal. Once activated by a single button, the MicroFi's built-in 12 channel parallel GPS acquires then transmits LAT/LON message to reach local rescue centers with exact coordinates to within 110 yards 100 meters. Simultaneously transmits a signal on the 121.5 M z SAR homing frequency to assist rescuers home in once in the general area. Additional unique MicroFi™ features include: Full functional self-test of internal circuitry, battery voltage and power, 406 M z transmission and GPS acquisition an ACR exclusive. 1.4 5.85 2.21 35.5 149 56 cm, 10 oz 285 g. Typical operating life 40 hrs at -4 F -20 C and 8 hrs at -40 F -40 C. Two Class II lithium battery packs. Five-year replacement cycle 11-year storage. Waterproof up to 16 ft 5 m at one hour and 33 ft 10 m at ten minutes. A flat, stainless steel antenna wraps compactly around the unit for easy stowage, and is ready for rapid deployment.

406 GPS Beacon P/N 11-05531.....
406 GPS Canada P/N 11-05898.....

ACR 406 PERSONAL LOCATOR BEACON



TerraFi™ 406 GPS I and TerraFi™ 406 GPS I/O Personal Locator Beacons. The same quality that's made ACR the world leader in safety and survival technologies will be available to protect you outdoors. When you activate the TerraFi™ 406 GPS Personal Locator Beacon, it sends your signal to one of seven satellites that continually circle the globe. This signal is then relayed to a ground station so search and rescue personnel can be notified. In less than an hour, aid can be on its way.

After several passes, the satellite pinpoints the PLB's location to within a 2.5 miles. Interface a GPS receiver or utilize the onboard GPS P/N 2798.4 only, and your precise position is sent immediately.

406 Locator Beacon with out GPS P/N 11-04759.....
406 GPS PLB N/ Canada P/N 11-07176.....
406 GPS PLB Canada P/N 11-07177.....
Aerofi Mounting holster P/N 11-07175.....

ACR AEROFIX / ONBOARD GPS 2799.4NH BEACON



Internal GPS, FastAC GPS technology and an external GPS optical interface. The LAT/LON are transmitted, providing rescue agencies the exact position to within 110 yards. At a mere 3.03 L, 1.74 5.71 and weight of only 12 oz., this is the smallest and lightest P-ELT around. Full functional self test of internal circuitry, battery power, 406 M z transmission, and GPS acquisition P/N

2799.4 only. Floats to avoid loss if dropped in water, exceeds 1 meter 3.3ft requirement, tested to 5 meters 16.5ft. Size 1.74 5.71 3.03 in 4.4 14.5 7.7cm eight 12 oz. 343 g w/o holster 13.3 oz. 378 g. Waterproof 5m 16ft 1 hour, 10m 33ft 10 min. Deployment Manual Operation Deploy antenna, press both test buttons simultaneously Certification FCC Approved Model PLB-200/201 Limited warranty 5 years P/N 11-07709.....
Aerofi Mounting holster P/N 11-07175.....

FASTFIND PLUS 406 PLB WITH BUILT-IN GPS



In the event of an emergency, an alert signal is transmitted to COSPAS-SARSAT satellites and forwarded to a rescue coordination center within typically 3 minutes. The built-in GPS receiver will provide latitude and longitude coordinates to give a position to within typically 98 feet anywhere in the world. The Fastfind Ma -G comes complete with lanyard and designer splashproof carry case to enable users to keep the PLB safely attached at all times. Features * 48-hour effective

transmit time * Built-in GPS * weighs just 9 oz. * Global alert to Cospas-Sarsat satellites * 406M z transmitter * Frequency 406.037M z * 121.5M z homing frequency * Positional accuracy to within 10 feet * Floats * Waterproof to 38 feet * Complete with lanyard and designer carry case * Ser replaceable battery packs -4 F/-20 C Specifications * Message Formats PLB National, Standard and Ser Location Protocol as applicable. * Programming Via RS232 light pen and windows based PC. * Temperature Storage -67 F to 158 F Class 1. * Operating -4 F to 131 F Class 1 with class 1 battery pack. * Storage -22 F to 158 F Class 2 Operating -4 F to 131 F Class 2 with class 2 battery pack. * Battery life 5 years storage then 48 hours operating * Sealing BSEN 60945 temporary immersion MIL-STD-810F method 500.4 15000 feet altitude. * eight Appro . 10 oz. with -20 battery pack. * Approvals R TTE Approved, International Approvals to follow, and 0.75Cd Xenon discharge light. P/N 11-02256.....
Fastfind Ma 6 406 PLB without GPS P/N 11-07470.....

SPOT SATELLITE PERSONAL TRAC ER



The world's First Satellite Messenger. Whether you're just checking in, allowing others to track your progress, or calling for help - SPOT gives you a vital line of communication with friends and family when you want it, and emergency assistance when and where you need it. And since it utilizes 100 satellite technology, SPOT works around the world - even where cell phones don't.

Message E port you can now download your messages to 3 different formats: * KML (xml format compatible with Google Earth) 8 GPX - the GPS e change format. Compatible with many different applications * CSV (comma separated ascii file) Functional Specifications: SPOT features four key functions that enable users to send messages to friends, family or emergency responders, based upon varying levels of need: * Alert 9-1-1 * Ask for Help - Request help from friends and family in your exact location. * Check In - Let contacts know where you are and that you're okay. * Track Progress - Send and save your location and allow contacts to track your progress using Google Maps™. Annual Service fee required. Please call or email for current rates, P/N 11-05829.....

SPOT CARRYING CASES - Carrying cases feature: * Ballistic nylon construction is rugged, yet lightweight * High Quality Heavy-duty rotating Nitelze™ clip for comfortable positioning * Designed for carrying on a belt when not in use, or shoulder strap while in use

Blue P/N 11-07216.....
Orange P/N 11-07217.....
Camo P/N 11-07218.....

XCOM GME MT410G PERSONAL LOCATOR BEACON WITH GPS



GME MT410G Accusal PLB Personal Locator Beacon 406 Mhz EPIRB with GPS. Features: * High location accuracy - MT410 within 5km, MT410G (with GPS) <45m. * Instantaneous 406M z transmission - unique to GME. Less than 1 minute acquisition time GPS version only. * Unique digitally coded message enables Rescue authorities to confirm owners identity within minutes. * LED strobe light. * 7 year battery replacement period. Duration: in excess of 24 hours at -20C, longer at higher ambient temperatures. * Floats in water. * Supplied with Wrist/Neck strap, Carry Pouch with belt loops. * Meets UN requirements for transport as Non-hazardous cargo on board passenger aircraft P/N 11-05665.....

MCMURDO FASTFIND PLB WITH GPS



Get Found FAST with a PLB as small as a mobile telephone. Fits easily into backpacks, on life jackets...put it just about anywhere, and get found anywhere in the world. No subscription fees are required, and weighs just 5.3 oz. Features * Fastfind 210 Category 2, will not float * Programming Optical infra-red link * Operation Three-stage manual operation * Temperature Class 2, -20 C to 55 C, -4 F to 131 F * Battery type and life 9V Lithium 5 years storage, then 24 hours operating * Sealing Temporary immersion to 10m 30ft for 5 mins. IP 58, IPX7 * eight 150g 5.3 oz * Altitude* MIL-STD-810E 10,000 feet * Antenna Deployable flexible vertical blade * 406M z Transmitter * Frequency 406.037M z * Output power 5 watts, -1-2dB 121.5 M z Transmitter * Frequency 121.5 M z -1-3k z * Output power 50m, -1-3dB PERP * omer sweep direction P or DO N * Applied Standards COSPAS-SARSAT, T.001/T.007 class2, RTCM SC110 STD 11010.2, ETSI EN 302-152-1, AS/N S 4280.2, NSS-PLB06 * SOS Flash Morse code SOS pattern 30 operations allowed * az-Mat Non-hazardous Shipping Air or ground. P/N 11-07323.....

MCMURDO SMARTFIND EPIRB



Meeting the demands of both commercial mariners and recreational boaters, the new McMurdo SMARTFIND heralds the arrival of the next generation in EPIRB technology. This compact and stylish unit is available as a standard 406 M z EPIRB. Features * Stylish and compact * GMDSS compliant * Non-hazardous battery for safe and easy transportation * Available in manual or automatic housing * High brightness LED flashing locator lights * Comprehensive diagnostic and self-test facilities * 5 year warranty * 5 year battery life. Specifications * EPIRB temperature range Operating -4 F to 131 F Class 2, Storage -22 F to 149 F Class 2 * EPIRB sealing depth waterproof to 32.8 ft. * EPIRB weight 1.5 lbs. 657g * Float-Free housing EPIRB 4.7 lbs. 2,130 g * Frequency 406.028 M z -1-3k z * Output Power 5 -1-2dB * Frequency 121.5 M z -1-3k z * Output Power 50m -1-3dB PERP * Sweep Direction Programmable P or DO N * Temperature range Operating -4 F to 131 F, Storage -22 F to 158 F * Operational life 48 hours minimum at -4 F * Battery Replacement 5 years from date of purchase

Smartfind E5 406 EPIRB CAT I P/N 11-07382.....
Smartfind E5 406 EPIRB CAT II P/N 11-07383.....
Smartfind Plus GPS G5 EPIRB CAT I P/N 11-07384.....
Smartfind Plus GPS G5 EPIRB CAT II P/N 11-07385.....

ACCESSORIES FOR MCMURDO PLBS

FastFind 20 degree C Battery P/N 10-02817.....
FastFind 40 degree C Battery P/N 10-02816.....

CAMERA SYSTEMS - STRIKEFINDER®

SHADIN AMS 2000 ALTITUDE MANAGEMENT AND ALERT SYSTEM



With a range of features previously unavailable in general aviation, the Shadin Avionics AMS-2000 Altitude Management and Alert System brings advanced instrumentation to new levels of function and affordability. The Shadin Avionics AMS-2000 uses information from Mode-C altitude encoder to deliver:

- Time-based Altitude Alerting, rather than fixed altitude buffers.
- Automatic calculation and display of Density Altitude.
- Real-time display of IVS without the inherent lag of your aircraft's static system.
- Calculation and display of Aircraft and Engine Performance Percentage, at your demand.

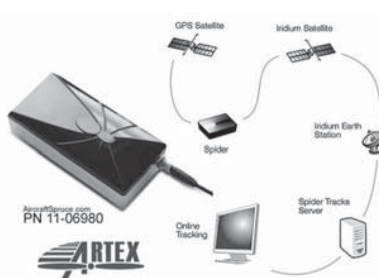
These are but a few of the Standard features that make the AMS-2000 the best value in advanced altitude monitoring instrumentation. It is FAA approved, TSO C88a, DO-160B.

- An appropriate audio and visual warning broadcast upon deviation outside a user-selected envelope surrounding your assigned altitude.
- Smooth capture of your cruise altitude is facilitated by a level-off warning sounded and displayed at a user-defined distance from target altitude.
- Alerts you just above your pre-selected Decision Height or MDA.
- Gear-down reminder.
- Displays density altitude and aircraft/engine performance percentage.
- Digital display of altitude from -1000 to +62,000 feet in 100 foot increments.
- Adjustable audio alert tone and level.
- Compatible with most Mode-C transponders in current production.
- Standard rectangular 1/2 ATI configuration.
- Made in the U.S.A., the AMS-2000 features a 12-month warranty.

The AMS-2000 coupled with the Falcon Altitude Encoder provides all advanced altitude alert functions previously noted, plus the following high-resolution altitude management functions:

- Time-based level-off warning sounded and displayed 15 seconds from target altitude—smooth capture is assured regardless of climb or descent rate.
- Digital display of altitude from -1000 to +62,000 feet in high resolution, 10-foot increments.
- Digital reading of Instantaneous Vertical Speed (IVS).
- Deviation envelope is adjustable in 10 foot increments P/N 10-03711

Falcon Altitude Encoder P/N 11-12035



SPIDERTRACKS

Spidertracks A Portable Real-Time Flight Tracking Solution

- * Portable global tracking solution using GPS and Iridium satellite network
- * Antennas integrated in spidertracks unit
- * Cost effective through portability no installation certification required
- * Simple to install and use
- * Iridium satellite network - real time, gap free, guaranteed reliability
- * Can save money through flight-following and better planning/logistic management
- Track any mobile asset anywhere in the world.
- * Easy to use on completely secure web-interface, accessible from anywhere in the world
- * Simple data update configuration based on user definition
- * Reporting location based on distance, time or combination of both
- * Commercial configuration allows tracking of all units in a fleet with one log-in on website
- * Two-way communication between pilot and the operations based with the optional keypad P/N 11-06980

Simple data update configuration based on user definition * Reporting location based on distance, time or combination of both * Commercial configuration allows tracking of all units in a fleet with one log-in on website * Two-way communication between pilot and the operations based with the optional keypad P/N 11-06980

STRIKE FINDER® DIGITAL WEATHER AVOIDANCE SYSTEM



The STRIKE FINDER Digital Weather Avoidance System detects and analyzes the electrical activity emanating from thunderstorms within a 200 nautical mile (nm) radius of the aircraft. A unique graphic display plots an accurate, reliable and easily-interpreted picture of electrical activity, that you can use to circumnavigate the hazards associated with thunderstorms.

The STRIKE FINDER System analyzes the individual strike signal properties to determine the bearing, range and severity of the activity. Strike data is plotted on the display as single orange dots by range and azimuth, in relation to the aircraft symbol heads up. As the number of lightning strikes increase, so does the number of plotted strike dots. Cells start to form indicating increased lightning activity.

Must be installed by Advantage Avionics or another approved StrikeFinder dealer except for experimental aircraft.

- Strike Finder SF2000 11-20200
- Strike Finder with Ultra Bright Display 11-00348
- Strike Finder Lightning Detector w/ Gyro 11-04722
- Strike Finder Lightning Detector w/o Gyro 11-04733
- Strike Finder upgrade 11-00349
- R.B.S. Module for Strike Finder 11-00350

INSIGHT TAS 1000 AIR DATA COMPUTER WITH WINDICATOR



Today's modern avionics integrate many functions with your GPS, but standard installations leave many important features untapped. The TAS 1000 Multi-Function Data Source was specifically designed to supply all the information needed to fill in the missing pieces of your GPS or MFD display in real-time. TAS 1000

provides the pilot with a wealth of useful information all based on real time measurements of airspeed, altitude, temperature, fuel flow, heading, ground speed and track. Designed to interface with many brands of GPS, TAS 1000 unlock many previously hidden data pages in most GPS navigators. In addition to TAS 1000s in flight advisory function, TAS 1000 can also serve as a backup altimeter, airspeed indicator or fuel flow meter. The TAS 1000 is designed for use in any piston, turboprop, or jet aircraft and provides a full complement of features when interfaced to a slaved compass system or SI, fuel transducers, and compatible GPS system. TAS 1000 will deliver a useful subset of features even if all the interfaces are not available.

The Windicator is an integral part of the TAS1000 system. It presents a previously unavailable graphical display of the winds aloft in real time. The Windicator information alone is so useful that it makes the TAS 1000 installation worthwhile. TAS 1000 system options include an altitude encoder to provide altitude information to a transponder or GPS unit as well as alerting the pilot with overspeed, altitude, approach altitude difference alerts.

MUST BE INSTALLED

| Part No. | Insight No. | Description | Price |
|----------|-------------|---|-------|
| 11-00626 | 1000-001-P | TAS1000 Sys. for Piston Engine Aircraft Incl. 1 indicator 18,000ft. Alt- 250kt max | . |
| 11-00627 | 1000-001-T | TAS1000 for turbo-charged Piston Turboprop aircraft Incl. 1 indicator 55,000ft. Alt-500kt max | . |
| 11-00628 | 1000-002 | indicator replacement | . |
| 11-00629 | 1000-003 | Expansion Module Alt. encoder, Alt. Serializer, Overspeed warn. | . |
| 11-00630 | 1000-004 | Fuel flow smart sensors for Piston Engine aircraft | . |

AV



FLYCAM 1000 VIDEO MONITOR SYSTEM

Fuselage or wing mountable waterproof Day/Night • Color CCD camera coupled with a multi-purpose • 6.8 Inch LCD Video Monitor and complete cable assemblies. • Rugged design made to commercial aircraft quality and performance standards at a low price point • This high-resolution 6.8 Inch LCD Video Monitor delivers picture clarity and color reproduction to view clear detail and waypoints. • Robust Video Input processor rejects video noise and can operate with any 14V or 28V DC electrical system. **Features** • Use to monitor forward and under views of aircraft that may be blocked during taxiing, take off, landing, or while in flight. Also useful for waypoint verification or landing gear monitoring. • Use in Day or Night with very low light CCD camera. • Ideal for all small aircraft particularly tail dragger type aircraft. • Multi-function LCD Video Monitor

will work all NTSC sources so it can be used as a high quality monitor for additional video cameras, DVD players or moving map sources when not being used for the FlyCam. May be used with a simple low cost video input switch. • Simple Interface requires a single external momentary switch for Dimming controls of the LCD Monitor for Day or Night time operation. Three dimming modes High, Medium, and Low Level Night Mode. On Screen Display feedback shows the operational mode. • Shock and water resistant LCD Monitor and Camera components. High strength aluminum construction.

P/N 11-02889

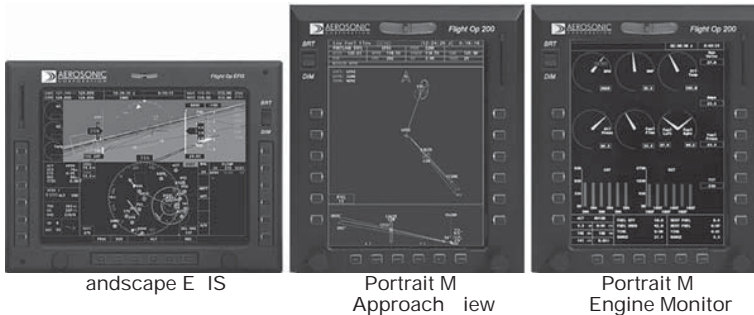
FLIGHT OP EFIS



FLIGHT OP EFIS

The Flight Op EFIS features advanced functionality including AAS/GPS, 3D synthetic vision with integrated terrain warning and traffic, highway-in-the-sky ITS, a full color moving map, flight planning and engine monitoring all displayed on large, sunlight-readable screens. The display units are available in either portrait or landscape orientation to accommodate a variety of instrument panels. With a Dual screen package, the second display unit can operate as either a second EFIS or a powerful MFD, capable of displaying a full-color moving map with traffic, terrain and weather overlays, a full-screen engine monitoring page, or an approach view showing both lateral and vertical approach views. All Sport EFIS and Flight Op EFIS packages include an ARS, a AAS/GPS receiver and an air data computer. Display units can be upgraded to add an external video interface to support a FLIR camera or other video input. Contact us for ordering instructions for the FLIR/Video interface.

| | | |
|---------------------------------|-----------|--------------|
| Sport EFIS Single 8.4 Portrait | P/N | ENS00-122000 |
| Sport EFIS Single 8.4 Landscape | P/N | ENS00-124000 |
| Sport EFIS Dual 8.4 Portraits | P/N | ENS00-222320 |
| Sport EFIS Dual 8.4 Landscapes | P/N | ENS00-224340 |
| Flight Op Single 10.4 Portrait | P/N | ENT00-121000 |
| Flight Op Single 10.4 Landscape | P/N | ENT00-123000 |
| Flight Op Dual 10.4 Portraits | P/N | ENT00-221310 |
| Flight Op Dual 10.4 Landscapes | P/N | ENT00-223330 |



CALL FOR PRICING ON A PACKAGES

Engine interface unit and engine/fuel probes are ordered separately as a package depending upon the engine that is installed in your aircraft. Contact us for ordering instructions.

FLIGHT OP INTEGRATED

Flight Op Integrated is the evolution of experimental avionics. The normal cluster of radios, GPS receiver, and transponder are removed and replaced with remotely mounted components. Radio frequencies are tuned and transponder codes are set in the Integrated EFIS and MFD display units. Flight Op Integrated is offered in eight standard packages or custom packages may be specified by choosing individual components to suit specific needs. Integrated packages feature display units with additional communications channels to support more devices than the standard Flight Op packages. Single packages include a single display unit while Dual packages include two display units. All packages include an ARS, a AAS capable GPS receiver, an air data computer, a Mode C transponder, dual Comm radios, a VOR/LOC/GS receiver, an audio panel with marker beacon and a wiring harness1 to support all of these components. Additional display units can be added to a package for an additional price. The Integrated packages can support up to 4 display units. Display units can also be upgraded to add an external video interface to support a FLIR camera or other video input. Contact us for ordering instructions for the FLIR/Video interface.

| | | |
|--------------------------------|-----------|--------------|
| Sport IFR Single 8.4 Portrait | P/N | ERS10-162000 |
| Sport IFR Single 8.4 Landscape | P/N | ERS10-164000 |
| Sport IFR Dual 8.4 Portraits | P/N | ERS10-262720 |
| Sport IFR Dual 8.4 Landscapes | P/N | ERS10-264740 |
| IFR Single 10.4 Portrait | P/N | ERT10-161000 |
| IFR Single 10.4 Landscape | P/N | ERT10-163000 |
| IFR Dual 10.4 Portraits | P/N | ERT10-261710 |
| IFR Dual 10.4 Landscapes | P/N | ERT10-263730 |

1 Customer specifies cable lengths for wiring harness only - no other modifications are provided

CALL FOR PRICING ON A PACKAGES

Engine interface unit and engine/fuel probes are ordered separately as a package depending upon the engine that is installed in your aircraft. Contact us for ordering instructions.

MODE CONTROL PANEL



Aerosonic is the only experimental EFIS manufacturer to offer a Mode Control Panel (MCP) commonly found on commercial jet flight decks. The MCP reduces pilot workload by allowing the flight control mode or baro setting to be adjusted with the push of a button or turn of a single knob.

Mode Control Panel..... P/N M1000-10000
CALL FOR PRICING

RADIO CONTROL PANEL



The RCP reduces workload by allowing the pilot to set radio frequencies without the use of the OP Integrated soft keys. The RCP is available in a portrait vertical or landscape horizontal orientation to allow for a variety of mounting locations in the instrument panel or anywhere it is convenient.

Landscape RCP..... P/N RC10L-10000
Portrait RCP..... P/N RC10P-10000
CALL FOR PRICING

INTEGRATED AVIONICS SYSTEM (IAS)

Complete Instrumentation, Communication and Navigation Solution
FOR EXPERIMENTAL AIRCRAFT



The Integrated Avionics System (IAS) represents the state-of-the art in EFIS for the experimental market. This is the only truly integrated glass panel system available that includes AAS/GPS, all radios and transponder, synthetic vision and ITS and a FLIR/Video interface in a single package. The IAS-E features two 10.4 landscape display units with integrated controls for controlling remotely mounted communication and navigation radios.

IAS-E..... P/N EAT10-243530

CALL FOR PRICING

Engine interface unit and engine/fuel probes are ordered separately as a package depending upon the engine that is installed in your aircraft. Contact us for ordering instructions.

DYNON

DYNON EFIS-D10A



Dynon's EFIS-D10A is the most popular Electronic Flight Information System on the market today. This instrument fits into a standard 3-1/8" panel hole, making it an ideal candidate for replacing vacuum and electric attitude indicators. This innovative design consolidates all your flight instruments into a sunlight-readable, 4" diagonal, color LCD. Key safety features include Dynon's optional Angle-of-Attack/ Pitot design that alerts pilots of potential stall conditions and an optional Li-Ion backup battery which will keep the instrument running for 2 hours in the event of a power bus failure.

Instruments included: • Attitude Indicator • Airspeed Indicator • Altimeter • Vertical Speed Indicator • Gyro-Stabilized Compass • Heading • Turn Coordinator/Ball • Turn Rate • Clock/Timer • G-Meter/Voltmeter • Angel-of-Attach(w/ optional Dynon AOA pitot)

• HSI • Serial altitude encoder output to your transponder ALL SENSORS INSIDE -Includes 15 solid-state sensors all inside the instrument housing eliminating any complicated installation problems. If desired, an optional external compass/magnetometer and outside air temperature probe may be added to your system. Not for certified aircraft.

EFIS-D10A Instrument with out battery P/N 10-00844

EFIS-D10A OPTIONS

| Description | Part No. | Price | Description | Part No. | Price |
|--------------------------------|----------|-------|--|----------|-------|
| Internal Li-Ion Backup Battery | 10-00755 | . | AOA/Pitot Probe unheated | 10-01157 | . |
| Remote Compass EDC-D10A | 10-01046 | . | iring arness | 10-01158 | . |
| OAT Probe requires EDC-D10A | 10-01823 | . | Encoder Converter Module serial to parallel con- | 10-01159 | . |
| D10 Flush Mount Bracket | 10-00757 | . | verter for gray code transponders | | |
| Optional AP74 Vertical | 10-03565 | . | SB-Serial Converter | 10-01824 | . |
| Optional AP74 orizontal | 10-03566 | . | | | |

DYNON EFIS-D100



Dynon's EFIS-D100 is the most affordable large screen Electronic Flight Information System on the market today. Based on the best-selling EFIS-D10A, the 7" wide-screen display features large, easy to read text and graphics and is capable of displaying multiple pages side by side in a split-screen format. Includes all of the instruments and features of the EFIS-D10A.

E IS- 100 System includes remote compass, mounting tray SB-serial converter.....P/N 10-01705 2,339.00
E IS- 100 System with Super Bright Screen.....P/N 10-02155 2,539.00

EFIS-D100 OPTIONS

| Description | Part No. | Price | Description | Part No. | Price |
|--------------------------------|----------|-------|--|----------|-------|
| Internal Li-Ion Backup Battery | 10-00755 | . | iring arness | 10-01158 | . |
| OAT Probe | 10-01823 | . | Encoder Converter Module serial to parallel con- | 10-01159 | . |
| AOA/Pitot Probe unheated | 10-01157 | . | verter for gray code transponders | | |

DYNON EMS-D10 ENGINE MONITORING SYSTEM



Ergonomically engineered engine monitor that blends traditional analog gauges with newer digital technologies to provide a user-friendly instrument that enhances safety and peace of mind. With up to 27 separate inputs available, the pilot's workload is significantly reduced as the EMS-D10 continuously monitors all sensor inputs for the powerplant, fuel and other miscellaneous systems and immediately annunciates any abnormality requiring attention. A multi-page display environment provides pilots with an excellent systems overview coupled with the added capability of presenting additional detail upon demand to optimize overall management of the various systems. Color graphic screen presentations promotes easy visual scanning for interpretation of the current measurements relative to their normal/abnormal operational limits. When connected via the Dynon bus, the EMS-D10 can display data from any Dynon EFIS.. To keep the look and feel of the EFIS series, the EMS-D10 utilizes the identical sunlight visible, color display, keypad and bezel that preserves the look and feel while additionally allowing greater panel uniformity. Once past the common user interface, the electronics support are very different between the EFIS series and EMS-D10 engine monitoring system. EMS-D10 Instrument only P/N 10-01160

COMPLETE ENGINE PACKAGES

EMS- 10 Engine Monitor, engine sensors and wiring harnesses

EMS OPTIONS

| Description | Part No. | Price | Description | Part No. | Price |
|---|----------|-------|-------------------------------|----------|-------|
| EMSKIT-L4C, 4Cyl Lycoming/Continental Package Carbureted | 10-01161 | . | Capacitance to Volt Converter | 10-02159 | . |
| EMSKIT-L4F, 4Cyl Lycoming/Continental Package Fuel Injected | 10-01162 | . | Fuel Flow Sensor | 10-01165 | . |
| EMSKIT-L6C, 6Cyl Lycoming/Continental Package Carbureted | 10-01163 | . | SB-Serial Converter | 10-01824 | . |
| EMSKIT-L6F, 6Cyl Lycoming/Continental Package Fuel Injected | 10-01164 | . | D10 Flush Mount Bracket | 10-00757 | . |
| EMSKIT-RTX, 4Cyl Rotax 912/914 Package | 10-01830 | . | EGT Thermcouple E t ire | 10-01167 | . |
| EMSKIT- 22, 4Cyl Subaru 2200 Package | 10-01832 | . | C T Thermcouple E t ire | 10-01168 | . |
| EMSKIT- 33, 6Cyl Subaru 3300 Package | 10-01834 | . | | | |

DYNON HS34 HSI EXPANSION MODEL



Optional expansion module that extends the HSI function already built into and displayed on Dynon's EFISs. This panel-mounted device not only expands the HSI functionality but also enables several new features for any Dynon EFIS, EMS or FlightDEK instrument to which it is networked. Offers greater flexibility when configuring new aircraft panel systems and facilitates future expansion if so desired. Available in the horizontal and vertical mount configurations. Allows Dynon

products to be interfaced to multiple radios and GPS devices at the same time. Includes multiple interfaces to accommodate analog, ARINC-429 and RS-232 inputs plus signals from marker beacon receivers and DME devices. Superior User Interface. Backlit to facilitate night flight conditions. Separate knobs are used for setting the heading, the Course OBS or entering general purpose Values. NAV and Bearing Source buttons that facilitate independent selection over each input. Pilots receive feedback of the currently selected navigation source type from separate GPS and NAV indicator lights. Network connected to Dynon's line of avionics via the Dynon Smart Avionics Bus DSAB. This two-wire connection not only simplifies wiring but extends individual module benefits to multiple interconnected Dynon instruments. Dimensions 1.639" wide 4.903" high 4.951" deep. Panel Cutout 1.50" wide 4.75" tall 3.81" 12.07 cm. Dynon S34 HSI Expansion Model - Vertical P/N 10-02590

DYNON AP 74 AUTOPILOT SERVOS



Your Dynon EFIS-D10A, EFIS-D100, or FlightDEK-D180 is your autopilot. Just add servos. For added ease-of-use, the optional AP74 Dedicated Autopilot Interface Module adds panel-mounted controls and LED status lights to your autopilot. It allows you to choose pre-arm which of magnetic heading hold, track hold, NAV mode, and altitude hold will be engaged

when you turn on the autopilot. Servo Mounting Kit Packages

| Description | Part No. | Price |
|--|----------|-------|
| RV-6 Roll Servo Mounting Kit Includes Servo mounting kit RV-6 roll fuselage 101020-001, pkg SV32L long output arm 100854-001 | 10-03555 | . |
| RV-7/8/10 Roll Servo Mounting Kit Includes Servo Mounting kit- RV-7/8/10 roll R wing 101020-003, pkg SV32 std. output arm 100854-000 | 10-03556 | . |
| RV-9 Roll Servo Mounting Kit Includes Servo Mounting kit-RV-9 roll R ing 101020-004, pkg SV32 std. output arm 100854-000 | 10-03557 | . |
| RV-6/7/9 Pitch Servo Mounting Kit Includes Servo Mounting Kit- RV-6/7/9 Pitch 101020-005, pkg SV32 std. output arm 100854-000 | 10-03559 | . |
| RV- 4/8 Pitch Servo Mounting Kit Includes Servo Mounting kit- RV-4/8 Pitch 101020-002, pkg SV32 std. output arm 100854-000 | 10-03560 | . |



DYNON

DYNON EMS-D120 ENGINE MONITORING SYSTEM



The EMS-D120 is a large screen Engine Monitoring System EMS that blends traditional analog gauges with newer digital technologies. The EMS-D120 replaces up to 16 different types of gauges which are displayed on a stunning 7 diagonal color screen. The sunlight readable, color display and softkey menu system result in a user-friendly instrument that enhances overall safety and peace of mind. hat makes the EMS-D120 so powerful is its ability to continuously monitor up to 27 available sensor inputs that cover the engine, fuel and other miscellaneous systems and announce any abnormality immediately upon detection. A split-screen display environment provides pilots with an excellent overview of the system coupled with additional pages of auxiliary information all available upon demand. Each of the color graphic pages are designed to promote easy visual scanning for interpretation of the current measurements relative to their normal/abnormal operational limits. The EMS-D120 key features include leaning via EGT peak detection, fuel computer, user-defined alarm limited via EGT peak detection, fuel computer, user-defined alarm limits and ranges, audio visual alarms, user-configurable pages, simple setup, English or Metric measurement units, system clock, contact inputs, timers and user-friendly soft key menus. The 854 480 high resolution LCD affords split-screen partitioning to display two pages simultaneously. Many of the pages provided offer a high degree of user-defined configurability to accommodate different engine types and pilot preferences. Each screen is easily called up via softkey buttons that provide quick access.

When wired to other Dynon instruments via the Dynon Smart Avionics Bus DSAB, the EMS-D120 can additionally display their data whenever called for by the pilot. Dynon now offers an 800 unit super-bright screen option for its EFIS-D100, EMS-D120 and FlightDEK-D180. The enhanced sunlight readability, 854 480 resolution and night dimming capability deliver an impressive view no matter how you look at it.

SENSOR INPUTS

- 6 - EGT Type K Thermocouple
- 6 - C T Type Thermocouple
- 2 - Fuel Level Resistive 0-1 K ohm or Capacitance 0-5 volt
- 2 - RPM Frequency 2 - Contacts
- 1 - Manifold Pressure Voltage
- 1 - Oil Temperature Resistive
- 1 - Oil Pressure Resistive
- 1 - Fuel Pressure Resistive
- 1 - Fuel Flow Frequency
- 1 - Amps Shunt
- 1 - Volts
- 1 - Turbine Inlet Temperature Type K Thermocouple
- 3 - General Purpose Either resistive or voltage for OAT, Fuel Tanks 3 4, Coolant Temp/Press, Carb Temp

- EMS-D120 System
- no engine sensors or wiring harnesses P/N 10-01825
- EMS-D120 w/ Superbright Screen P/N 10-02156

COMPLETE ENGINE PACKAGES

EMS- 1 0 Engine Monitor, engine sensors and wiring harnesses

| Description | Part No. | Price |
|---|----------|-------|
| EMSKIT-L4C, 4Cyl Lycoming/Continental Package Carbureted | 10-01826 | . |
| EMSKIT-L4C, with Super Bright Screen | 10-02201 | . |
| EMSKIT-L4F, 4Cyl Lycoming/Continental Package Fuel Injected | 10-01827 | . |
| EMSKIT-L4F, with Super Bright Screen | 10-02203 | . |
| EMSKIT-L6C, 6Cyl Lycoming/Continental Package Carbureted | 10-01828 | . |
| EMSKIT-L6C, with Super Bright Screen | 10-02197 | . |
| EMSKIT-L6F, 6Cyl Lycoming/Continental Package Fuel Injected | 10-01829 | . |
| EMSKIT-L6F, with Super Bright Screen | 10-02196 | . |
| EMSKIT-RTX, 4Cyl Rota 912/914 Package | 10-01831 | . |
| EMSKIT-RTX, with Super Bright Screen | 10-02166 | . |
| EMSKIT- 22, 4Cyl abiru 2200 Package | 10-01833 | . |
| EMSKIT- 22, with Super Bright Screen | 10-02193 | . |
| EMSKIT- 33, 6Cyl abiru 3300 Package | 10-01835 | . |
| EMSKIT- 33, with Super Bright Screen | 10-02194 | . |

EMS OPTIONS

| Description | Part No. | Price |
|----------------------------------|----------|-------|
| Capacitance to Voltage Converter | 10-02159 | . |
| Fuel Flow Sensor | 10-01165 | . |
| SB-Serial Converter | 10-01824 | . |
| D10 Flush Mount Bracket | 10-00757 | . |
| EGT Thermocouple E t ire | 10-01167 | . |
| C T Thermocouple E t ire | 10-01168 | . |

DYNON FLIGHTDEK-D180



Dynon's FlightDEK-D180 integrates its best-selling EFIS and EMS Engine Monitor System electronics with a larger 7 diagonal, sunlight readable, color LCD. This instrument boasts a stunning 854 480 pixel display that delivers more than three times the resolution offered by competitive units. FlightDEK-D180 provides all your primary flight instruments in combination with a possible 16 engines gauges. Other key capabilities include a built-in altitude encoder and optional Angle of Attack for added safety. A simple softkey menu system facilitates paging through various screens and activating key functions. Audible and visual alarms are immediately announced anytime user-specified limits are exceeded. The price includes a mounting tray, remote compass module and SB-serial converter. Engine probe packages supporting a variety of engines are available as well as other accessories and options that further extend the D180's capabilities. A key benefit that Dynon offers is free lifetime software updates for all its products.

INSTRUMENTS Flight Attitude, Altimeter, Airspeed, Vertical Speed, Gyro-Stabilized Magnetic Compass, Turn Coordinator/Ball, Turn Rate, Clock, Up/Down Timer, SI, G-Meter, Voltmeter, Altitude Encoder, Angle of Attack with optional Dynon AOA probe. **Engine** EGT 6, C T 6, Fuel Level 2, Fuel Pressure, RPM 2, Manifold Pressure, Oil Temperature, Oil Pressure, Amps, Volts, General Purpose 3- for either OAT, Fuel Level, Coolant Temperature Pressure, Carburetor Temperature, Contact Inputs 2.

COMPLETE ENGINE PACKAGES

Flight EK- 180, engine sensors and wiring harnesses

- EMS-D180 System P/N 10-01836
- DEK-D180 System with Superbright Screen. P/N 10-02157

FLIGHTDEK OPTIONS

| Description | Part No. | Price |
|---|----------|-------|
| EMSKIT-L4C, 4Cyl Lycoming/Continental Package Carbureted | 10-01837 | . |
| EMSKIT-L4C, with Super Bright Screen | 10-02198 | . |
| EMSKIT-L4F, 4Cyl Lycoming/Continental Package Fuel Injected | 10-01838 | . |
| EMSKIT-L4F, with Super Bright Screen | 10-02199 | . |
| EMSKIT-L6C, 6Cyl Lycoming/Continental Package Carbureted | 10-01839 | . |
| EMSKIT-L6C, with Super Bright Screen | 10-02190 | . |
| EMSKIT-L6F, 6Cyl Lycoming/Continental Package Fuel Injected | 10-01840 | . |
| EMSKIT-L6F, with Super Bright Screen | 10-02191 | . |
| EMSKIT-RTX, 4Cyl Rota 912/914 Package | 10-01841 | . |
| EMSKIT-RTX, with Super Bright Screen | 10-02168 | . |
| EMSKIT- 22, 4Cyl abiru 2200 Package | 10-01842 | . |
| EMSKIT- 22, with Super Bright Screen | 10-02192 | . |
| EMSKIT- 33, 6Cyl abiru 3300 Package | 10-01843 | . |
| EMSKIT- 33, with Super Bright Screen | 10-02195 | . |

| Description | Part No. | Price |
|-------------------------------|----------|-------|
| Battery | 10-00755 | . |
| OAT Probe | 10-01823 | . |
| AOA/Pitot Probe unheated | 10-01157 | . |
| AOA/Pitot Probe heated | 10-02158 | . |
| Encoder Converter Module | 10-01159 | . |
| Fuel Flow Sensor | 10-01165 | . |
| EGT Thermocouple E t ire | 10-01167 | . |
| C T Thermocouple E t ire | 10-01168 | . |
| OAT | 10-01176 | . |
| S34 SI E pan, Mdl, Vertical | 10-02590 | . |
| S34 SI E pan, Mdl, Horizontal | 10-02773 | . |
| Capacitance to Volt Converter | 10-02159 | . |
| Wiring harness | 10-01158 | . |

DYNON EFIS D6/D60



The EFIS-D6 and EFIS-D60 are simpler versions of the well-proven 4 EFIS-D10A and 7 EFIS-D100. The primary functions duplicate a traditional si-pack airspeed, attitude, altitude, turn coordinator, gyro stabilized heading DG, and vertical speed, while also adding a voltmeter and altitude encoder. Angle of Attack AoA and a battery backup may be added as options. Both products include a remote compass, and the D60 includes Dynon's high brightness screen.

- EFIS-D6 P/N 10-03865
- EFIS-D60 with Super Bright Screen P/N 10-03866

DYNON HEATED AOA PITOT



Most pilots are introduced to the concept of angle of attack during their initial flight training. However, as most GA aircraft do not provide a way to directly measure this critical flight parameter, angle of attack usually becomes an academic notion which is not thought about while flying. Dynon Avionics was the first EFIS manufacturer to realize the importance of angle of attack and offer an affordable, accurate, and useful way to monitor it.

- Standard L-Sharp P/N 10-02158
- Boom style Probe P/N 10-02789

AV

ADVANCED FLIGHT SYSTEMS - GRAND RAPIDS

ADVANCED FLIGHT SYSTEMS AF3400



The AF-3400 can be configured as an EFIS, Engine Monitor, or Combination of both. Both the AF-3400 and AF-3500 systems utilize our Advanced Avionics Bus allowing the pilot and copilot displays to e change screens. It features a 6.5" AF-3400 and 8.4" AF-3500 sunlight readable color LCD display that is 50% brighter than any competitor.

Our EFIS horizon display is generated from an internal ARS that is based on certified boards and software. Display features a clear and easy to read airspeed indication with user adjustable color ranges, the altimeter is set using a familiar and convenient adjustment knob, and our heading display is generated from a remote mounted magnetometer. The heading can be displayed on a tape across the top or with our new EFIS DG.

Aircraft Monitoring and Data Acquisition System Developed from our successful AF-2500 monitor, the system continuously monitors and displays not only all aircraft engine data but several other aircraft functions as well. The display can be customized to the user's preference. Any of the standard instruments can be eliminated or added to the screen.

AOA Fly safe with AOA Our patented AOA module can be purchased to drive the display on the AF-3400/3500 screen.

Check the functionality our systems provide, you'll eliminate a surprising number of conventional instruments. Choose one, two, or three AF-3400/3500 displays and configure the system right for you.

| Description | Part No. | Price |
|---|----------|-------|
| E IS System | | |
| AF-3400EF EFIS System | 11-04636 | . |
| AF-3500EF EFIS System | 11-04637 | . |
| Engine Monitor | | |
| AF-3400EM Engine Monitor | 11-04633 | . |
| AF-3500EM Engine Monitor | 11-04954 | . |
| Combo System | | |
| AF-3400EF Combo System | 11-04638 | . |
| AF-3500EF Combo System | 11-04640 | . |
| OPTIONAL FEATURES | | |
| 4 Cycle Sensor Pack - For use with the AF-3400EF/AF-3500EF EFIS Systems, the AF-3400EM/AF-3500EM Engine Monitors and the AF-3400EF/AF-3500EF Combo Systems | 11-04952 | . |
| 6 Cycle Sensor Pack - For use with the AF-3400EF/AF-3500EF EFIS Systems, the AF-3400EM/AF-3500EM Engine Monitors and the AF-3400EF/AF-3500EF Combo Systems | 11-04953 | . |
| Advanced Flight Map Software - An optional feature, your AF-3400/3500 can now be configured with onboard mapping. Position is derived from an outboard GPS signal and displayed on the screen. Sever can be selected. | 11-05963 | . |
| Advanced Flight ARINC Adapter - The ARINC 429 module gives you full SI compatibility with the Garmin 430, 530, and 480 radios. Vertical and horizontal guidance is provided from the new AAS enabled navigators. | 11-05964 | . |
| Advanced Flight Battery Pack - This Lithium Battery Pack is used for the Advanced Flight EFIS Systems and EFIS/Engine Combos. | 11-05624 | . |
| Advanced Flight Systems AOA Option - Can drive the display on the AF-3400/3500 screen. | 11-07181 | . |

GRAND RAPIDS EFIS S200 SPORT



Far beyond a replacement for the traditional six-pack gyro panel, the Sport S200 is the basis for a low-cost, glass-panel cockpit, with features usually found only in the high-end EFIS. Interfaces included in the Sport allow seamless integration with most of the other aircraft's systems, including GPS, NAV radio, autopilot, transponder, EIS engine monitor, and more. Configurable as a single or dual-screen, the Sport S200 is an uncompromising design with the integrity and reliability necessary for it to be primary instrumentation for VFR or IFR flight. Functionality -

hile other entry level EFIS products provide little more than a replacement of the traditional six-pack, the Sport S200 starts with attitude, gyro-heading, airspeed, altitude, vertical speed, but includes features such as * Seamlessly Interfaces to any GPS - Displays flight plan and steering info * Coupling of autopilot to GPS, Synthetic Approach or heading Select Bug * Complete navigation radio interface and SI for SL30 Nav/Com * TIS Traffic Display from Garmin GTX330 * Synthetic Approach provides highway-in-the-sky guidance to any runway. * Synthetic view - Display shows runways and obstacles on wide-screen attitude display * Flight path marker - Shows direction of flight relative to runways and obstacles * Continuously computed wind speed/direction * G-Meter * Options for internal GPS, moving map with terrain, graphical engine monitoring. * Slaved directional gyro - never requires setting * Record and Playback function standing tolerance of gyro drift.

P/N 11-05149

GRAND RAPIDS EFIS HORIZON



The centerpiece of the EFIS horizon is its primary flight display. Combined into 1 intuitive display is attitude, navigation and the aircraft's current state. The EFIS horizon includes a moving map displaying all S airports and nav aids, plus user created waypoints. Engine data is provided to the horizon EFIS via the proven and well known Engine Information System products. Features include split screens, convenient controls, integrated navigation and attitude, active redundancy, continuous self-testing and a dedicated ARS processor. All versions of the EFIS horizon Series I, and EFIS Series I Display unit require a GPS to display GPS related data, and/or an EIS Model 4000 / 6000 / 9000 to display engine data. These items are not included, and must be purchased separately unless otherwise indicated.

E IS Horizon Series I - The horizon includes both a multi-function display unit, and an ARS/Air Data Computer, providing primary flight data, with external magnetometer, and cable assembly. Moving map, wind, and GPS related navigation functions require a connection to an external GPS not included. A cost-effective and superior alternative to traditional instrumentation. For graphical engine data add an optional EIS.

P/N 11-02135

E IS Series I Multi-unction isplay - Provides the identical capability of the EFIS horizon Series I, except it does not include the ARS/Air Data Computer. Capable of displaying primary flight data with a connection to an EFIS horizon Series I, or by adding an ARS/Air Data Computer, graphical engine monitoring when connected to an EIS Model 4000/6000/9000 not included, and moving map when connected to a GPS not included. Can be upgraded to a horizon Series I for the price difference.

P/N 11-02136

E IS Series I edicated isplay - The low-cost way to add flat panel technology to your airplane. This display unit provides only the primary flight display, OR the graphical engine display, OR the moving map. An excellent way to add one of the three main functions to your airplane, at minimum cost. Flexible upgrade options allow you to add additional functions, without removing the instrument from the airplane. Can be upgraded to include a horizon Series I for the price difference.

P/N 11-02137

Graphical Engine Monitor Moving Map Package - Same as Graphical Engine Monitor Package above, but also functions as a moving map when connected to your GPS. Includes full and split screen versions of engine monitor and moving map.

P/N 11-02139

ual E IS Horizon Series I with EIS Model 4000 - Maximum flexibility and redundancy The dual EFIS horizon Series I installation performs automatic cross-checks of roll, pitch, heading, airspeed and altitude data. Package price includes 2 display units, 2 ARS/Air Data Computers with magnetometers, and the EIS Model 4000 Package.

P/N 11-02140

ual isplay Package - EFIS horizon Series I, EFIS Series I Multi-Function Display, and EIS Model 4000 Package. Dual displays allow any data to be displayed on either display. A single ARS/Air Data Computer drives both displays. The included EFIS also drives both display units. Connect a GPS to both display units, and enjoy the benefits of 2 screens of data. Price includes Model 4000 package.

P/N 11-02141

EFIS SINGLE DISPLAY PACKAGE



EFIS is an acronym for Electronic Flight Information System. The EFIS horizon. Series I provides primary flight data attitude, altitude, airspeed, vertical speed, steering, graphical engine data, and a moving map. It is designed as a cost-effective replacement of traditional vacuum-powered mechanical gyros. Unlike mechanical gyros, no maintenance is required, and installation is much quicker, easier, and lighter. Aerobatics, vibration, and temperature do not affect the life of the EFIS, as it is completely electronic. In addition to these benefits, the EFIS horizon Series I provides data not available with mechanical gyros, such as a navigation steering data integrated with the attitude display, an artificial view of the world showing airports and obstacles the way they appear out the window, continuously computed winds, and much, much more. Its easy to get cited about the functionality of the horizon EFIS, but it's more than just features. The horizon EFIS is engineered from the ground up without compromises. Small details, like a sunlight readable display, wide 15 to 160 deg F operating temperature range, and an attitude/heading reference system ARS that is built to aerospace standards could easily go unnoticed and that is exactly the idea.

P/N 11-05198

| Description | Part No. | Price |
|--|----------|-------|
| CARB-01 Carburetor Air Temperature Probe | 11-06273 | . |
| MAP-01 Manifold Pressure Sensor 0-31 IN HG | 11-06274 | . |
| OAT-01 Outside-Air Temperature Probe | 11-06275 | . |
| CS-01 Current Sensor /- 100 AMP | 11-06276 | . |

| Description | Part No. | Price |
|--|----------|-------|
| OPT-INTALT Altimeter/VSI Option | 11-06277 | . |
| OPT-AS Airspeed Option | 11-06278 | . |
| PS-02 0-80 PSI oil/coolant pressure sender | 11-06423 | . |
| CS-02 current sensor /- 50 AMP | 11-07224 | . |



TRUE FLIGHT DISPLAY - EFIS INTEGRA



LS800 TABLET PC

Measures just 8.94 by 6.69 by 0.87 inches, and it weighs only 2.2 pounds. It's easier to use, stow or transport than any Tablet PC available today and will easily fit in a lab coat pocket or purse. Genuine Windows XP Tablet PC Edition Intel Centrino Mobile Technology

• Intel Pentium® M Processor ULV 753 (1.20GHz) • Integrated Intel PRO/Wireless 2200BB • 1GB RAM • 30GB HDD • 8.4" SVGA TFT LCD View Anywhere Display • Integrated Bluetooth® • Ethernet LAN Controller (RJ-45 connector) • Secure Digital (SD) Slot • Integrated Fingerprint Reader • Speak Anywhere® Audio Technology • Ambient Light Sensor View Anywhere display uses a proprietary optical enhancement process based on technology initially developed for high-end military aviation and marine applications.

Compared with Motion's standard display, the View Anywhere display technology enhances indoor viewing - while substantially improving outdoor viewing.

• 10:1 reduction in unwanted reflectance and glare • 15% improvement in "light pass-through" efficiency • 225% increase in sunlight contrast ratio over the standard display • Better view-ability at wide viewing angles

The View Anywhere display technology also restrains the traditional feel of pen on paper that has become a hallmark of Motion's ink-enabled Tablet PCs, and the solution is also stronger, more durable, and scratch resistant. Finally, Motion accomplishes this solution without compromises, complexity, or high cost.

LS800 VFR Package..... P/N 11-05090
 LS800 VFR Premium Package P/N 11-05089
 RAM Cooling Fan Motion P/N 11-05059

TRUE FLIGHT CHEETAH FL190 DISPLAY



The Flight Cheetah FL 190 has all the capabilities and ability to upgrade of the Flight Cheetah line at a price that is affordable. Runs on a combination of hard keys and touch screen access stylus not required. Package includes •Flight Cheetah FL 190 display. •TrueMap software with capabilities listed below. •GPS antenna receiver. •AC power supply. •DC Power Supply. Features: •Intel Celeron M ULV (900MHZ). •7" diagonal High Contrast LCD. •40 GB hard drive. •10/100 Ethernet, 802.11 b/g, Bluetooth 2.0. •2 USB 2.0, 1 Type II CF Card, H/P jack, VGA, DC in. •Dimensions 9.0" H x 5.5" W x 1.0" D. •Weight 1.7 lbs. •Rechargeable Internal battery 2 hours

ACCESSORIES

X ORX Receiver P/N 11-04830
 X ORK Software P/N 11-04831
 XRX Traffic Software..... P/N 11-04832
 Electric Altitude Indicator..... P/N 11-04834

TRUE FLIGHT CHEETAH FL210 DISPLAY



With the FL 210 you get the an optimal combination of affordability, incredibly high quality bright display, and a range of capabilities unequaled by anything else you will see out there in the industry. The FL 210 is most comparable to the certified panel install MFD's in the 10,000- 20,000 range but with far more capabilities, and a far more affordable upgrade path for the future. Features: •Display Resolution: 640 (H) x 480 (V) •Display Brightness: 1,000 Nits (7-10 times brighter than typical lap top displays) •Processor Speed: 833Mhz Celeron. •Ram: 512 meg •Storage Capacity: 20 Gig hard drive or optional 4 Gig solid state hard drive. •Overall Dimensions: 7 3/4" x 5 3/8" x 2 1/4" •Weight: 2.75 Lbs •Operating Voltage: DC 12V -28V •Ports: 2 SB, 1 Serial, 1 VGA, Audio In/Out. Supports Bluetooth wireless.

ACCESSORIES

X ORX Receiver P/N 11-04830
 X ORK Software P/N 11-04831
 XRX Traffic Software..... P/N 11-04832
 Electric Altitude Indicator..... P/N 11-04834

TRUE FLIGHT ELECTRIC ATTITUDE INDICATOR



True Flight's Electronic Attitude Indicator option automatically monitors your pitch and roll. If you exceed certain parameters that would not be expected in IFR flight you automatically receive an

alert on your display with the EAI in the corner of your screen. Provides you with plenty of time to recover, before it develops into a serious situation. It is a solid state device that uses accelerometers on 3 separate axes to measure pitch, roll and yaw. Power and data are through the USB cable shown above. Although for supplemental use only, the electronic attitude indicator adds an invaluable layer of safety should your primary attitude indicator fail.

P/N 11-04834

EFIS INTEGRA TL-6524



EFIS Integra TL-6524 is a multifunctional flight monitoring system integrating all primary flight instruments: Altimeter, Vertical Speed Indicator, Air Speed Indicator, Compass, Accelerometer, Chronometers, Turn Bank Indicators, Angle Of Attack Indicators, IAT, OAT etc. The EFIS Integra also combines navigation: SI, CDI with connection to the popular Garmin SL-30 and 3-D terrain for use worldwide. The wide viewing angles, brilliant colour and direct sunlight readability of the display will give you a new dimension in EFIS instrumentation. Proven, state of the art technology and components will provide you with comfortable, user-friendly control. The Integra controls are fully ambidextrous and provide functions that have previously only been dreamt of - listening to your favourite music after inserting your flash drive into the front panel USB port, 3-D visualization of terrain, integrated 3-axis autopilot, direct voice warnings into your headphones, etc.

Features:

- * Voltage 10.0 to 32.0 Volts
- * Backlights internal or external 5V, 12V or 24V
- * Current consumption 500 to 750 mA 14 Volts
- * Maximal voltage and signal current 30 Volts, 1 Ampere
- * Measurement +/-1
- * Operating -20 C to 70 C -4 F to 158 F temperature range
- * Relative humidity 95% without condensation
- * Load +/-20 g
- * Vibration 1 to 200 Hz
- * Weight 750 grams 0.55 lbs
- * Dimensions 192 149 90 mm 7.550 5.860 3.540 inch

Benefits:

- * Option to select required language - English by default
- * Option to simply update firmware by inserting a Flash drive containing the newest firmware version
- * Option of pre-setup of glass cockpit according to the particular aircraft type saved in a Flash drive
- * Shows a graphical previous flight directly on the glass cockpit display
- * Shows a checklist including the voice output
- * Shows a flight logbook including name of pilot student and instructor, date, time and position of take-off and landing
- * Download the history of previous flights to a Flash drive or directly to a PC

| Description | Part No. | Price |
|----------------------------------|----------|-------|
| Integra TL-6524 System | 10-03469 | . |
| ACCESSORIES | | |
| Description | Part No. | Price |
| TL-6524 Backup Battery | 10-03470 | . |
| TL-6524 Remote Compass | 10-03471 | . |
| TL-6524 Premium Autopilot Key | 10-03472 | . |
| TL-6524 Silver Autopilot Key | 10-03473 | . |
| TL-6524 Gold AutoPilot Key | 10-03474 | . |
| TL-6524 Servo / Magnetic Clutch | 10-03475 | . |
| TL-6524 Terrain of Europe | 10-03476 | . |
| TL-6524 Terrain of Asia | 10-03477 | . |
| TL-6524 Terrain of Africa | 10-03478 | . |
| TL-6524 Terrain of North America | 10-03479 | . |
| TL-6524 Terrain of South America | 10-03480 | . |
| TL-6524 Terrain of South Pacific | 10-03481 | . |

LANDING GEAR ALERTS – MGL AVIONICS

INTERCOM GEAR WARN DEVICE II



With the increasing use of headphones and in particular Electronic Noise Canceling headphones, it has become more difficult to hear warning horns in the cockpit. Because of this problem, the Intercom Gear Warning Device or IG D was developed and introduced several years ago. After receiving input from customers, the new IG D II is now available.

The IG D II is a small electronic device that can be connected to either the landing gear throttle warning switch or the Flap P Light or Switch and the Landing Gear Down Light or Switch. The pilots headphones are connected to the audio circuit in the IG D II and should an unsafe condition occur, a loud pulsing tone is heard in the pilots headphones. In the single input mode, Throttle gear safety switch, if the throttle is reduced and the gear is up, the IG D II will sound.

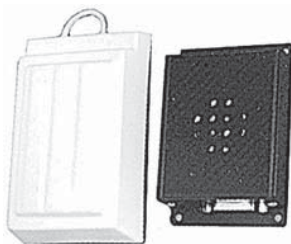
The two input mode with the flap P light and the landing gear down light connected to the sensing inputs, provide added safety by ensuring that the landing gear is down before the flaps are lowered. Should the flap P light go out before the landing gear Down light is on, the warning tone will be enabled.

In addition to the warning tone, a warning light output is available for a panel mounted light as well as a Test Switch input.

The IG D II not only provides a second warning tone to the gear horn, it will still function should the gear horn fail, providing an added safety feature.

Features: • Small size: 3.2"L x 2.3"W x 1.0"H • Adjustable Tone Level • Input triggering for Throttle switch or Landing Gear and Flap Lights or Switches • Remote Test Switch Option • Remote Warning Light • DC voltage range 12 to 28 VDC • Weight, 10 oz • Two Year Warranty • Not Approved for Certified Aircraft. P/N 11-01943

GEAR ALERT



The Gear Alert uses an electronic sensor to detect the presence of the ground during landing. If the wheels are up, it instantly sounds a voice warning directly into your headset. It is a full time positive warning system and does not depend on throttle position or airspeed for operation. Gear Alert is supplied as a complete kit with all mounting hardware, doubler plates, connectors, and a pre-wired and tested cable assembly for fast and easy installation. 1 yr warranty. FAA Approved. STCs for most single and twin engine aircraft including Cessna up through the 400 series, Beech up through King Air series, Piper up through the Chieftain, Mooney and others. P/N 11-21135.....

MGL AVIONICS V10 VHF AVIATION RADIO TRANSCIVER



MGL's air band V F transceiver is the first commercial product of its kind to utilize modern receiver and transmitter technology. All audio processing and much of the receiver and transmitter circuitry is fully digital resulting in an outstanding quality experience unavailable with traditional technology. V F Airband transceiver based on modern digital signal processing technology with built in multi-mode dual circuit intercom system. Small Size Fits in a round 3 1/8" instrument hole, but has a mounting depth of only 2.2" connectors Light weight Approximately 8.8 oz about 0.5 lb. One of the lightest out there Powerful 6 full watts of transmit power. Digital Interface Set frequency on the radio from an MGL Avionics EFIS or any equipment capable of setting frequency on the SL40 radio. Built-in VOX / VOGAD Intercom A high quality intercom system not a hot mic - this intercom is really usable as your primary intercom. The intercom has 2 channels, but can be used in 4-place aircraft by connecting multiple headsets to the passenger channel. There are several modes of operation for the intercom, including VOX options and MGL Avionics proprietary VOGAD system. VOGAD or voice-operated gain-boosting device works by adjusting the gain of the microphone as you speak based on the level of your voice. It doesn't break squelch like a VOX intercom - it is activated by your voice and is constantly adjusting to your voice level.

Transceiver..... P/N 11-07817
Access..... P/N 11-07818

MGL AVIONICS VOYAGER EFIS/EMS/NAVIGATOR



8.4" Perfect fit

The Voyager is IDENTICAL in PRICE and FUNCTION to the Odyssey. The only difference is the size.

The Voyager is a comprehensive flight, engine and navigation instrument designed for Experimental and Light Sport aircraft. Like the Enigma, the Odyssey/Voyager is a hardware and software concept that promotes a flexible, powerful EFIS platform together with a software application system that is highly user-modifiable.

As an EFIS hardware platform, the Voyager provides state of the art multi-processor based processing utilizing components chosen for absolute robustness in radiation intense environments such as found at high altitudes. This is coupled with intense low power design methods to further maximize overall system application and reliability.

The large amount of flexibility built into the base system allows the adaptation of the Voyager to almost any mission and aircraft. Due to low system cost, the Voyager is equally suited to very light aircraft, gliders and rotorcraft, while providing enough flexibility to be utilized by even turbine- or twin-engine aircraft with full dual engine monitoring.

The Voyager shares all software features with the Enigma, but differs in the following ways

- Larger screen 8.4" diagonal
- High resolution full VGA active TFT display - one of the best we have found
- Faster processor for future functionality
- 2 user-configurable rotary knobs and 7 function keys
- ARINC 429 interface for communication with traffic alert systems TIS and AON XRX and for communicating with high-end digital autopilots GPS Steer and Vertical Nav
- CAN automotive bus for reading the EC of automotive engine conversions
- Analog +/- 150mA NAV inputs to display CDI/LOC/GS when connected to older analog Nav radios

Low...

- Weight Under 4 lbs
- Current Draw Only 1.5 Amps @ 12 Volts
- Cost Typical packages complete with attitude and heading sensors around \$6,000

High...

- Screen brightness 800-1000 nits
- Reliability
- Flexibility any screen layout you want
- Feature count more instrument options available than most EFISs

Please note Select R AC model and engine senders for engine functions, and select Attitude Heading sensors SP-4 and SP- for AHRs functions.

Warranty The Voyager comes with a 3-year limited warranty from MGL Avionics US and a 30-day Total Satisfaction Guarantee

P/N 11-06963



MGL AVIONICS

STRATOMASTER ENIGMA EFIS WITH GPS AND ANTENNA



The Enigma is a comprehensive flight, engine and navigation instrument designed for Experimental and Light Sport aircraft. The Enigma is a hardware and software concept that promotes a flexible, powerful EFIS platform together with a software application system that is highly user-modifiable. As an EFIS hardware platform, the Enigma provides state of the art multi-processor based processing utilizing components chosen for absolute robustness in radiation intense environments such as found at high altitudes. This is coupled with intense low power design methods to further maximize overall system application and reliability. The large amount of flexibility built into the base system allows the adaptation of the Enigma to almost any mission and aircraft. Due to low system cost, Enigma is equally suited to very light aircraft, gliders and rotorcraft, while providing enough flexibility to be utilized by even twin-engine aircraft with full dual engine monitoring. Please note Select R AC model and engine senders for engine functions, and select Attitude/Heading sensors (SP-4 and SP-2) for AHRS functions.

LOW...

- Weight under 3 lbs
- Current Draw Less than 1 Amp 12V
- Cost Typical packages complete with attitude and heading sensors less than most other systems

HIGH...

- Screen brightness 1600 nits
- Reliability
- Flexibility any screen layout you want
- Feature count more instrument options available than most EFISs

P/N 11-05555



MGL AVIONICS ODYSSEY - EFIS/EMS/NAVIGATOR

The Odyssey is a comprehensive flight, engine and navigation instrument designed for Experimental and Light Sport aircraft. Like the Enigma, the Odyssey is a hardware and software concept that promotes a flexible, powerful EFIS platform together with a software application system that is highly user-modifiable. As an EFIS hardware platform, the Odyssey provides state of the art multi-processor based processing utilizing components chosen for absolute robustness in radiation intense environments such as found at high altitudes. This is coupled with intense low power design methods to further maximize overall system application and reliability. The large amount of flexibility built into the base system allows the adaptation of the Odyssey to almost any mission and aircraft. Due to low system cost, the Odyssey is equally suited to very light aircraft, gliders and rotorcraft, while providing enough flexibility to be utilized by even twin-engine aircraft with full dual engine monitoring. Please note Select R AC model and engine senders for engine functions, and select Attitude/Heading sensors (SP-4 and SP-2) for AHRS functions.

P/N 11-05835

STRATOMASTER ULTRA HORIZON XL



• Altitude to 40 000 ft (12 195 m) calibrated, 1ft dynamic resolution • Airspeed ASI analog and digital, TAS digital • Stopwatch • Glide and climb ratio to 1/99 • QNH 960 to 1 060 mb (28.3 - 31.3 Inch of Hg) • NE 1013 mb quick select 29.9 Inches of Hg • Time of day, Date for flight log entries • Air time since take-off (or lesson time) • Ambient temperature using external sensor • Up to two Fuel level using flow sender or optional level sender • Fuel flow using optional flow sender • Current range estimate (range at current speed and fuel burn) • Fuel bingo estimate (time until tank empty) • Range calculator using manually entered ground speed • Air distance made good • Voltage. Supply to unit. usually 12V battery. • VSI +/- 9 990 ft/minute (50.7 meters per second) range • Flight log storing up to 200 entries • Hobbs meter, presettable to current engine time • Density altimeter • Barometer for ambient pressure • Aircraft registration number display • Maintenance timer • Warnings for engine temperature, speed high, speed low, maximum altitude, low fuel level, etc • Alarm output to switch a warning lamp • Audio alarm output to drive a panel speaker or low level output for alarm tone in action into a suitably equipped headset or intercom system. • Master and slave modes for dual instrument setup • Measuring take-off run to 50 ft (15.24 m) above ground level • Artificial horizon (requires SP-4) • Slip indicator (requires SP-4) • Rate of turn indicator (requires SP-4) • Compass (requires SP-2) • Air talk link for connection to: - PC's and Laptops using optional cable - Stratomaster Black Box flight recorder - Stratomaster Ultra secondary instrument - Key ring flight log download device - Compass and A RS sensor packages. P/N 11-05550.....

MGL AVIONICS ATTITUDE/HEADING



Completely solid-state, this unit does not rely on traditional mechanical gyro systems. This means no limitation during usage, full 360 degrees operability in both pitch and bank. This unit represents the future of aircraft horizon systems at a price that is making everything else obsolete. NOTE Sensors are required AV-1 2.25 P/N 11-05706..... AV-2 3.125 P/N 11-05690.....

SENSORS

SP-2 Magnetometer Sensor P/N 11-05557

SP-4 A RS Sensor Pack P/N 11-05558

AV

STRATOMASTER 3.125" VELOCITY SERIES

| M e | Description | Part No. | Price |
|----------|--|----------|-------|
| ALT-3 | Altimeter | 11-05572 | . |
| ALT-4 | Altimeter Encoding - Gillman | 11-05684 | . |
| ASI-3 | Airspeed Indicator | 11-05573 | . |
| ASX-2 | Airspeed / Altimeter Combo | 11-05687 | . |
| AV-2 | Attitude / eading Display Requires A RS sensor | 11-05690 | . |
| E1-EMS | Engine Monitor for 4-Stroke and 2-Stroke Engines | 11-05578 | . |
| FF-3 | Advanced Fuel Level / Fuel Flow 1-2 Levels and 1-2 Flows | 11-05576 | . |
| Flight-2 | EFIS / Fuel Level / Fuel Flow | 11-05575 | . |
| GF-2 | G-Meter | 11-05693 | . |
| GPS-1 | GPS Navigator MAXI Single octagonal front-mount | 11-05694 | . |
| RTC-1 | Real Time Clock | 11-05696 | . |
| RV-3 | Rev Counter universal | 11-05697 | . |
| TC-2 | Thermocouple Indicator 4-Channel | 11-05698 | . |
| TC-3 | Thermocouple Indicator 12-Channel | 11-05699 | . |
| TP-2 | Temperature/Pressure Indicator | 11-05701 | . |
| MAP-2 | universal Pressure and RPM indicator | 11-05695 | . |
| ROTOR-1 | Dual Rotor / Engine Tachometer | 11-07812 | . |

SENDERS

| | | | |
|--------------|---|----------|---|
| C T10 | Type-K C T Thermocouple, 10mm Spark Plug | 11-05561 | . |
| C T12 | Type-K C T Thermocouple, 12mm Spark Plug | 11-05562 | . |
| C T14 | Type-K C T Thermocouple, 14mm Spark Plug | 11-05563 | . |
| C T18 | Type-K C T Thermocouple, 18mm Spark Plug | 11-05564 | . |
| C T Bayo | C T Bayonet-Style 3/8 -24, Type K | 11-05565 | . |
| EGT | Type-K EGT Thermocouple, M8 -1 Thread | 11-05567 | . |
| EGT Clamp | Type-K EGT Therm. Clamp-Type Sm. (>1.5" dia) | 11-07842 | . |
| EGT Clamp | Type-K EGT Therm. Clamp-Type Lg. (<1.5" dia) | 11-05568 | . |
| ater temp | ater Temperature Sender | 11-05566 | . |
| Prec. Sender | Precision ater/Oil Temperature Probe | 11-05570 | . |
| Flow/bend | Fuel Flow Sensor | 11-05559 | . |
| CNV-AT | Serial to Parallel Converter for Ultra | 11-05723 | . |
| GT1 | Gear Tooth Speed Sensor | 11-05725 | . |
| Keyring | Download Keyring Device, Incl. Airtalk PC Cable | 11-05726 | . |
| Transorb | 33V igh Speed Transorb | 11-05727 | . |
| CAP | 10,000uF / 25V Electrolytic Capacitor | 11-05724 | . |

STRATOMASTER 2.25" INFINITY SINGLES

| M e | Description | Part No. | Price |
|--------|--|----------|-------|
| ALT-1 | Altimeter | 11-05702 | . |
| ALT-2 | Altimeter Encoding | 11-05703 | . |
| ASI-1 | Airspeed Indicator | 11-05704 | . |
| ASX-1 | Airspeed/Altimeter Combo | 11-05705 | . |
| AV-1 | Attitude/ eading Disp. Sensors are required | 11-05706 | . |
| FF-1 | Fuel Level / Fuel Flow | 11-05713 | . |
| GF-1 | G-Meter | 11-05715 | . |
| MAP-1 | Manifold Pressure | 11-05716 | . |
| RV-1 | Rev Counter universal | 11-05717 | . |
| RV-2 | Turbine RPM | 11-05718 | . |
| TC-1 | Thermocouple Indicator 4-Channel | 11-05719 | . |
| TP-1 | Temperature/Pressure Indicator | 11-05720 | . |
| BAT-1 | Battery Voltage/Current Monitor. Includes 50 Amp Shunt | 11-05707 | . |
| E3 EMS | Engine Monitoring System | 11-06442 | . |
| RTC-2 | Aviation Real Time Clock | 11-06443 | . |

OTHER MGL PRODUCTS

| | | | |
|------------------------------|---|----------|---|
| RDAC VD | RDAC VD, 4-Channel Thermocouples | 11-05554 | . |
| RDAC VT | RDAC VT, 4-Channel Thermocouples for Turbine Engines | 11-05553 | . |
| RDAC X-B | RDAC X-B, 12 Channel Thermocouples | 11-05552 | . |
| RDAC X-D | RDAC X-B, 12 Channel Thermocouples and MAP | 11-05556 | . |
| Attitude Heading Sensors | | | |
| SP-2 | SP-2 Advanced Magnetometer Sensor Compass | 11-05557 | . |
| SP-4 | SP-4 Attitude Sensor Package orizon | 11-05558 | . |
| SP-5 | SP-5 Advanced ARS, used with the SP-2 the gyro heading can be automatically slaved to the magnetic heading. | 11-06554 | . |
| Stratomaster Midsi e isplays | | | |
| EXTREME | EFIS/Engine Monitor 4 Total EGT/C T Channels | 11-05571 | . |
| E2 EMS | Comprehensive Engine Monitor 4 Total EGT/C T Channels | 11-05577 | . |

CAMERA SYSTEMS

MOTOCAM CAMERA SYSTEMS

1 CAMERA SHOCKBOX DIGITAL VIDEO RECORDING SYSTEM



- Package Contents:**
- * Sony 550 CCD color camera 1
 - * 12 foot camera cables 1
 - * RAM ball and socket camera mounts 1 set
 - * Stereo audio communication cable 1
 - * 4Gb SD memory card 1
 - * Video Editing Software 1
 - * TV PC video transfer cables 2
 - * Charger 1
- PN 11-07109.....

1 CAMERA SHOCKBOX HELMET CAMERA DIGITAL VIDEO RECORDING SYSTEM



Helmet Not Included

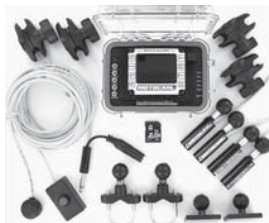
- Package Contents:**
- * Sony 550 CCD color camera 1
 - * 12 foot camera cables 1
 - * ethane helmet mount 1 set
 - * 4Gb SD memory card 1
 - * Video Editing Software 1
 - * TV PC video transfer cables 2
 - * Charger 1
- PN 11-07110.....

2 CAMERA SHOCKBOX DIGITAL VIDEO RECORDING SYSTEM



- Package Contents:**
- * Sony 550 CCD color camera 2
 - * 12 foot camera cables 2
 - * RAM ball and socket camera mounts 2 set
 - * Stereo audio communication cable 1
 - * 4Gb SD memory card 1
 - * Video Editing Software 1
 - * TV PC video transfer cables 2
 - * Charger 1
- PN 11-07111.....

4 CAMERA SHOCKBOX DIGITAL VIDEO RECORDING SYSTEM



- Package Contents:**
- * Sony 550 CCD color camera 4
 - * 12 foot camera cables 4
 - * RAM ball and socket camera mounts 4 set
 - * Stereo audio communication cable 1
 - * 4Gb SD memory card 1
 - * Video Editing Software 1
 - * TV PC video transfer cables 2
 - * Charger 1
- PN 11-07112.....

DATATOYS XM-DVR PRO DIGITAL RECORDING SYSTEMS



The Plus and Plus 2 systems have everything you need to start recording from one or two of the small and light weight bullet cameras.† The Plus system offers the highest quality on the market with a recorder, cameras, and cabling all designed for harsh environments.

The XM-DVR Pro Digital Video Systems are perfect for aviation applications such as flight training, aerobatic, formation flying, and flight tours, featuring better than DVD quality video with the professional standard MPEG2 compression which records a more vivid and clearer picture than consumer grade MPEG4 technologies. The XM-DVR Pro records in full D1 resolution at up to three time DVD quality** The XM-DVR Pro accommodates up to two compact flash cards which can then be removed and transferred to your PC making it not only the highest quality solid state digital recorder on the market but the easiest to use.

The XM-DVR Pro records 2 full channels of audio and video. This means you can have two cameras recording simultaneously, creating two separate video files on your compact flash card. It's like buying two recorders for the price of one

oused in an anodized aluminum enclosure less than 2 inches high and weighing only 13 ounces, the XM-DVR Pro is compact, durable, and lightweight. The slim size of the XM-DVR Pro also makes it one of the smallest digital recorders on the market. The XM-DVR Pro can be wired directly into the aircraft and can run on a wide range of 10-32VDC.

Includes * XM-DVR Pro Recorder with 2 CF module * IR Remote Control * Main arness 2 Video Inputs 4-Pin female , 2 Audio Inputs 4-Pin male , 1 AV Out 4-Pin male , 1 ired Remote Input 4-Pin male * DC power supply 10-32VDC IN 5VDC/12VDC O T Locking Binder 712 Connector * Bench Top Power Supply AC to 5VDC * SB 2.0 Cable * 1 or 2* 580 Line Sony EXView AD Bullet Cameras * 1 or 2* Amplified Omni-directional Microphones * 1 or 2* Super Clamps or Suction Mounts * 1 or 2* 2 meter e tension cables * 1 or 2* iversal Mounts * 1 or 2* Click Mount Adapters * Software and Documentation * Durable Plastic Case

*SING E CAMERA T 1, UA CAMERA T
ust add compact flash card
** ith firmware upgrade to 1 Mbps Mbps

Features * ighest quality digital video recorder on the market * Easy Installation Plug, Record, and Play * ighest Bit Rate on the Market at 10 Mbps 16Mbps w/ firmware upgrade * 2-3 times DVD and Broadcast quality * Professional grade MPEG2 compression * Optimized 580 Line Sony EXView AD CCD Bullet Cameras provide a clean, vivid picture * Records two full channels * Powered from the aircraft's electrical system * e ternal battery packs * Durable and lightweight * aterproof IP68 connections * Made in the SA **Specifications** * Inputs 2 Video, 2 Audio, 1 ired Remote, 1 IR Remote * Outputs 1 AV Out * Resolution Full D1 720 480 30fps NTSC, 720 576 25fps PAL * Bit Rate ser Selectable .5-10mbps per channel, firmware upgrade to 16mbps per channel * Compression MPEG2 Video, MPEG1 Audio * File Type MPEG2 * Memory Type 2 Compact Flash default , ard Drive and SSD optional * Software DVR to PC, DVR PC Based * eight 13oz 358g * Dimensions 4.52 3.85 1.85 115mm 98mm 47mm * Construction Aluminum * Aspect Ratio 4.3 or 16.9 Input Dependant * SDK Available for custom large quantity applications

| Description | Part No. | Price |
|---------------------------------|----------|-------|
| Single Camara Recording System | 11-07201 | . |
| Dual Camara Recording System | 11-07202 | . |
| Accessories | Part No. | Price |
| Airborne wired recording switch | 11-07203 | . |



REMOTE CAMERA SYSTEM



- Mounts a traditional camcorder i.e. Sony
- 360 degrees of rotation
- 50 degrees of tilting ability
- Optional stick grip with built in hat switch
- Remote switch control
- eight - 7lbs
- Dash mounted LCD screed to see what the camera is seeing
- Vibration dampening built into mounting bracket.

| Description | Part No. | Price |
|---|----------|-------|
| asic Kit - Includes camera mount system with remote switch | 11-04318 | . |
| elue Kit - Includes camera mount system with remote switch and LCD screen | 11-04319 | . |
| Super elue Kit - Includes camera mount system, built in grip switch, LCD screen | 11-04320 | . |

ANTENNAS

ADVANCED AIRCRAFT ELECTRONICS HIGH GAIN AIRCRAFT ANTENNA SYSTEMS



ere is a new series of aircraft antennas specifically designed to be used without a ground plane. This means that composite aircraft and fabric covered aircraft can now have their antennas mounted totally within the structure. These antennas are designed using the latest engineering technology. Laboratory measurements show them to have better electrical characteristics than currently available products. The unanimous reports from pilots who have been using them confirm that they out perform everything now available on the market. One antenna model works for communication, navigation, and for ELT. Three antennas in the aircraft, but all the same design, and this design is tolerant to installation errors. They will work in metal airframes when a plastic or fiberglass wing tip or similar plastic component is available to provide the mounting structure. The V F antennas, 5T and 5I, differ only in the location of the BNC connection. The

5T is configured to allow the coax cable to be routed flat along the mounting surface of the airframe. This antenna model would be appropriate for a composite aircraft where the antenna would be mounted in the fuselage or fin and the coax would be close to the skin and be attached periodically for strain relief. In either case, the antenna can be used as a retrofit on in service aircraft or in new installations. The 5I series has the BNC connection positioned so that the coax cable would route out and away from the antenna mounting surface. This configuration is offered for antenna installations such as wing tips of fabric aircraft. If the antenna is mounted on the inside of the tip, the coax route is directly inward toward the wing root and the BNC connection is located near the spar to provide support for the cable. Both antennas are identical in their electrical performance. Features: Inside mounting. Use with composite skins. Use with fabric covered airframes. Glue or bond to the airframe. Light weight. Wide service temperature. No ground plane corrosion. Mount anywhere inside. Maximum range with low VSWR. Model V F series designed for comm or nav or ELT. Guaranteed against failure for the life of the airframe. Adapts to existing airframes or to in process construction.

- NAV/COM Antenna P/N 11-04261
- NAV/COMM Antenna P/N 11-04262
- Transponder Antenna..... P/N 11-04212.....



COMANT GPS ANTENNAS

GPS antenna kits from Comant enable you to install a low profile aerodynamic GPS antenna to the exterior of your aircraft. These antennas are all FAA approved under TSO C129, provide superior GPS signal acquisition, and are resistant to ice build-up in flight. All kits come complete with 10' of coax cable. Call with Comant Part No. for pricing on the Comant C1401, C1405, C1406, OR CI4510 series antenna you require.

CI 401 ANTENNAS

These antennas are designed for aircraft up to 600 knots and feature a rectangular footprint. Available in active or passive models. Weight 0.75 - 1.50 ohms.

| CI 401 ACTIVE ANTENNAS | | |
|---|--------------|-------|
| APPLICATION | P/N | PRICE |
| Il Morrow, Precedus, 920 | CI-401-3K1C | . |
| Magellan w/detachable antennas except 5000A, Garmin 55, 89, 90, 95, 100, 150, 155, 165, 250, Skyforce, and panel GPS requiring 26 dB gain | | |
| Antenna Only | CI-401-8C | . |
| Trimble/Terra all panel GPS 40 dB | CI-401-15C | . |
| CI 401 Passive Antennas limited to 10' run of RG14 or 10' of RG 8 | | |
| Magellan w/detachable antennas incl. 5000A, Garmin 55, 89, 90, 95, 100, 150, 155, 165, 250, Micrologic Super Sport all other GPS receivers requiring a passive antenna. | | |
| Antenna Only | CI401-30C | . |
| Bendi King KLX100 only | CI401-32GK2C | . |

CI 405 ANTENNAS

These antennas are similar to the CI 401 antenna series but are designed to fit most existing V F bent whip and stick type antenna mounting holes and most existing Loran antenna mounting holes. Footprint is same as Cessna type Com antennas. These antennas are great when converting from Loran to GPS.

| CI 405 ACTIVE ANTENNAS | | |
|---|--------------|-------|
| APPLICATION | P/N | PRICE |
| Garmin III, 195, 295, 196 | CI-405-26 | . |
| Trimble Pro, Pro SE, Scout | CI405-3K 0C | . |
| Magellan w/detachable antennas except 5000A, Garmin 55, 89, 90, 95, 100, 150, 155, 165, 250, Skyforce, and panel GPS requiring 26 dB gain | | |
| Active Antenna Kit | CI405-8KC | . |
| CI 405 PASSIVE ANTENNAS | | |
| Magellan w/detachable antennas incl. 5000A, Garmin 55, 89, 90, 95, 100, 150, 155, 165, 250, Micrologic Super Sport all other GPS receivers requiring a passive antenna. | | |
| Lowrance Eagle, Sport, Airmap | CI405-31KC | . |
| Bendi King KLX100 only | CI405-32GK2C | . |

AV

COMANT CI 4510 GPS/COM ANTENNAS

The Comant CI-4510 antennas are ideal for use on any GPS/COM dual application and feature upper hemispheric, right hand circular polarized sense pattern 1575 MHz.

| CI 4510 ACTIVE ANTENNAS | | |
|---|----------------------------|-------|
| APPLICATION | P/N | PRICE |
| Il Morrow, Precedus, 920/ | CI4510-3K1C | . |
| Magellan w/detachable antennas except 5000A, Garmin 55, 89, 90, 95, 100, 150, 155, 165, 250, Skyforce, and panel GPS requiring 26 dB gain | | |
| | CI4510-6KC | . |
| w/pass thru holes | CI4510-7KC | . |
| Bendi King KLX100 | CI4510-6K2C or CI4510-7K2C | . |
| CI 4510 PASSIVE ANTENNAS (COMES W/10' COAX.) | | |
| Magellan w/detachable antennas incl. 5000A, Garmin 55, 89, 90, 95, 100, 150, 155, 165, 250, Micrologic Super Sport all other GPS receivers requiring a passive antenna. | | |
| | CI4510-32KC | . |
| Lowrance Eagle, Sport, Airmap | CI4510-32K3C | . |
| Bendi King KLX100 only | CI4510-32GK2C | . |

CI 406 ANTENNAS

Internal mount type for installation under composite materials except graphite. Footprint is an inverted ARINC rectangular shape. Can be used in pressurized and non-pressurized applications.

| CI 406 ACTIVE ANTENNAS | | |
|---|--------------|-------|
| APPLICATION | P/N | PRICE |
| Trimble Flightmate Pro, Pro SE, Scout | CI406-3KC | . |
| Il Morrow, Precedus, 920 | CI406-3K1C | . |
| Magellan w/detachable antennas except 5000A, Garmin 55, 89, 90, 95, 100, 150, 155, 165, 250, Skyforce, and panel GPS requiring 26 dB gain | | |
| Active Antenna Kit | CI406-8KC | . |
| Antenna Only | CI406-8C | . |
| CI 401 PASSIVE ANTENNAS | | |
| Magellan w/detachable antennas incl. 5000A, Garmin 55, 89, 90, 95, 100, 150, 155, 165, 250, Micrologic Super Sport all other GPS receivers requiring a passive antenna. | | |
| Passive Antenna Kit | CI406-30KC | . |
| Antenna Only | CI406-30C | . |
| Lowrance Eagle, Sport, Airmap | CI406-30K3C | . |
| Bendi King KLX100 only | CI406-32GK2C | . |

COMANT ANTENNAS

COMANT DME/TRANSPONDER ANTENNAS

COMANT DME/TRANSPONDER (CI 100 SERIES) - All Metal Blade DME/Transponder antenna designed and developed for Mach 2 military aircraft. Design is unique in the blade and mounting base are die-cast as one piece with no dielectric material in the airstream. Standard si -hole mounting configuration. See Order Options for available connectors

| OR ER OPTIONS | | | |
|---------------|----------|----------|-------|
| Connector | M e | Part No. | Price |
| BNC | CI 100 | 11-06812 | . |
| TNC | CI 100-2 | 11-06813 | . |
| C | CI 100-3 | 11-06814 | . |
| N | CI 100-4 | 11-06815 | . |
| N | CI 100-5 | 11-06816 | . |

CI-101 TRANSPONDER ANTENNA - Frequencies Covered 1030-1090 M z. Transponder antenna with top loaded stub monopole. Contact points are made from beryllium copper. Mounts through a single 0.600 diameter mounting hole.
P/N 11-17970

CI-105 TRANSPONDER/DME ANTENNA - A very broadband and rugged antenna which is encased in glass reinforced molded shell. Rated to 400 kts. TAS. eight. 3.25 t. 0.2 lb. Does not include BNC or hardware. P/N 11-17965

COMANT DME/ TRANSPONDER (CI -105-3) - Frequencies Covered 75 M z. Antenna configuration specifically designed for e ternal applications using a three hole flange mounting. BNC female connector. P/N 11-06810

COMANT DME/XPDR (CI -105-6 & 105-7) - Frequency • 960-1220 M z. Comant CI 105-3 DME/Transponder antenna. Ant signed for e ternal applications using a three hole flange mounting. BNC female connector.
CI 105-6 connector - BNC P/N 11-06811

CI 105-7 connector - C P/N 11-06817

COMANT DME/ TRANSPONDER (CI-105-9) - Frequency • 960-1220 M z. Antenna assembly encased in a glass reinforced polyester molded shell. Comes standard with a 6 e tension coa cable and BNC connector. This model offers standard two stud mounting, where the studs are e tended to 1 inch in length.
P/N 11-06818

COMANT DME/ TRANSPONDER (CI -105-16) - Frequency • 960-1220 M z. as designed specifically for the oneywell Bendi - King™ KA60. This unit offers the e tended length two-stud mounting found on the KA60. Tested to the tougher DO-160D environmental requirements, this antenna offers the best in ruggedness and performance. P/N 11-06819

COMANT DME/ XPDR (CI-110-40-30) - Frequency • 960-1220 M z 1030-1090 M z. All metal, low profile antenna is designed for business et and commercial high speed aircraft. ith a popular four hole mount and connector with open path to ground, this antenna is ideally suited for those aircraft equipped with standard and Mode S transponders. Tough one-piece construction provides 175 lbs. side load capability. Moisture failure is prevented with completely sealed construction. P/N 11-06820

COMANT DME/ TRANSPONDER (CI-110-41-30) - Frequencies Covered 960 -1220 M z. All metal, low profile antenna is designed for business et and commercial high speed aircraft. ith a popular four hole mount and connector with short path to ground, this antenna is ideally suited for those aircraft equipped with standard and Mode S transponders. Tough one-piece construction provides 175 lbs. side load capability. Moisture failure is prevented with completely sealed construction. P/N 11-06821

COMANT DME/XPDR (CI -110-60-30) - Frequency • 960-1220 M z 1030-1090 M z. All metal, low profile antenna is designed for business et and commercial high speed aircraft. Si hole mount and connector with open path to ground. Suited for aircraft equipped with standard and Mode S transponders. Provides 175 lbs. side load capability. Moisture failure is prevented with completely sealed construction. P/N 11-06822

COMANT DME/ XPDR (CI-110-61-30) - Frequency • 960 -1220 M z. All metal, low profile antenna is designed for business et and commercial high speed aircraft. Si hole mount and connector with short path to ground. Suited for those aircraft equipped with standard and Mode S transponders. Tough one-piece construction provides 175 lbs. side load capability. Moisture failure is prevented with completely sealed construction. P/N 11-06823

COMANT DME/ TRANSPONDER (CI-305) - Frequency • 960-1220. Min-lature high speed DME/Transponder - one of the smallest DME/Transponder antennas available from Comant. Less than 2.75 inches high, featuring a very low-drag frontal profile. Strong, lightweight and easy to mount using four e ternal mounting holes through base. P/N 11-06824

COMANT FM BAND & AM/FM ANTENNAS

COMANT AM/ FM RECIEVER (CI-222) - Frequency 88-108 M z 550-1600 K z. Offers a unique low profile design using standard 4 hole mounting used on many V F type antennas. Bent whip configuration is ideally suited for underbelly and helicopter installations. P/N 11-00412

COMANT MAR ER BEACON ANTENNAS

CI-102 MARKER BEACON - Frequency 75 M z. For use with the modern, high sensitivity marker beacon receivers. Featuring 4-hole internal mounting for simple installation. Enclosed in an injection molded radome which is impervious to the tough environments typical of the underside of an aircraft. Skydrol and rain erosion resistant. DC grounded to minimize accumulation of precipitation static. P/N 11-17931

CI-118 MARKER BEACON - Frequency 75 M z. Designed specifically for high-performance aircraft applications. Features aerodynamic design in a light-weight package. Antenna is a low profile blade-type encased in a molded polyurethane shell. Skydrol and rain erosion resistant. P/N 11-17932

COMANT MARKER BEACON (CI-118-1) - Frequency • 75 MHz. Low-drag, lower profile alternative to the popular CI 102 boat style marker beacon antenna. Approved for medium to high performance single, turbo-prop or et aircraft and provides simple e ternal mounting. Skydrol and rain erosion resistant. DC grounded to minimize accumulation of precipitation static. P/N 11-06847

COMANT MARKER BEACON (CI-118-9) - Frequency 75 M z. Identical to the CI 118 e cept the mounting configuration allows for drop-in replacement to the oneywell Bendi -King KA 26 Marker Beacon. This Comant design has been tested to the tough DO-160D environmental standards. Skydrol and rain erosion resistant. DC grounded to minimize accumulation of precipitation static. P/N 11-06989

COMANT MARKER BEACON (CI-118-10) - Frequency 75 M z. This Comant marker beacon is identical to the CI 118 e cept with a 4-hole through mount configuration. This model has been tested to the tough DO-160D environmental standards. Skydrol and rain erosion resistant. DC grounded to minimize accumulation of precipitation static. P/N 11-06848

COMANT MARKER BEACON (CI-164) - Frequency • 75 M z. Lightweight flush mount provides for dual marker beacon signal outputsatthe antenna, eliminating the need for a separate marker beacon splitter. Antenna is housed in a aluminum enclosure with a glass laminate cover. Internal components are potted in place for mechanical integrity. The CI 164 is designed for curved crown surface mounting as is currently used on the Cessna Citation I and II. P/N 11-06850

COMANT MARKER BEACON (CI-165) - Frequency • 75 M z. Lightweight flush mount antenna, provides for dual marker beacon signal outputs at the antenna, eliminating the need for a separate marker beacon splitter. Antenna is housed in a aluminum enclosure with a glass laminate cover. Internal components are potted in place for mechanical integrity. The CI 164 is designed for curved crown surface mounting as is currently used on the Cessna Citation I and II. P/N 11-06851

COMANT DATALINK & SATCOM ANTENNAS

COMANT VHF/DATA LINK (CI-248-30) - Dual function single engine aircraft antenna for V F and Narrow Cast datalink from Avidyne. Both normal V F communication as well as use of Narrowcast datalink. For dual use order Avidyne s DC50 coupler switch. V F 118-137 M z / Orbcomm 137-150.5 M z P/N 11-07074

COMANT FIS/DATA LINK (CI 248-180) - 136.450 - 136.475 M z. Assures positive FIS performance with the new CI 248-180 FIS Data Link antenna. Designed specifically to bring NEXRAD, METAR, and TAF frequencies to the cockpit. P/N 11-07077

COMANT IRIDIUM (CI-490-1) - Dual-band passive antenna operates at Iridium™ frequencies, with continuous transmit and receive coverage from 1616 to 1626.5 M z. Can also operate separately as a passive GPS antenna. Iridium™ delivers essential communications services to and from areas where terrestrial communication are not available. P/N 11-07078


COMANT RADIOPHONE / DME ANTENNAS


COMANT DME/ TRANSPONDER (CI-105-20) - ide band vertically polarized/omnidirectional antenna designed for high performance aircraft over the F/L Band of frequencies from 806 to 960 M z. 894-896 M z Transmit 849-851 M z Receive 960-1220 M z P/N 11-07081

AV


COMANT ANTENNAS


COMANT RADIOPHONE / DME ANTENNAS

 **COMANT UHF (CI-177-20)** - 450-470 M z. A rugged monopole antenna particularly well-suited to the harsh environments experienced on the underside of an aircraft. Features standard 4-hole mounting, diecast metal base and radiator encased in glass laminate housing. P/N 11-06836.....


 **COMANT UHF (CI-200)** - 450-470 M z. Rugged monopole antenna particularly well-suited to the harsh environments experienced on the underside of an aircraft. Features a very compact 3-hole mounted die-cast aluminum base with the radiator encased in a glass laminate housing. P/N 11-06837.....

 **COMANT UHF (CI-271)** - 403-512 M z. Stub antenna designed to withstand the harsh environments associated with the underside of an aircraft. Antenna radiator is mechanically captivated and is sealed against leakage. All exposed metal surfaces are nickel-plated for corrosion resistance and long service. Mounts through a single 0.600 hole. BNC connector is standard. P/N 11-06838.....


 **COMANT UHF (CI-273)** - 403-512 M z. Stub antenna designed to withstand the harsh environments associated with the underside of an aircraft. Antenna radiator is mechanically captivated and is sealed against leakage. All exposed metal surfaces are nickel-plated for corrosion resistance and long service. Mounts through a single 0.600 hole. BNC connector is standard. P/N 11-06839.....


 **COMANT UHF (CI-275)** - Frequency 406-512 M z. Wide band V F antenna designed for high-performance aircraft over the full frequency range of 406-512 M z. Low profile, blade-type antenna is encased in a low drag, low weight molded body to ensure high reliability. The CI 275 comes standard with a BNC connector. Other connectors available. See order option chart.

| Connector | Model | Part No. | Price |
|-----------|----------|----------|-------|
| BNC | CI 275 | 11-06840 | . |
| TNC | CI 275-2 | 11-06841 | . |
| N | CI 275-5 | 11-06842 | . |


 **COMANT UHF (CI-285)** - Frequency • 400-960 MHz UHF blade antenna design for high performance aircraft over the full range of 400-960 M z. Features vertically polarized/omni-directional pattern, extremely wide band/high efficiency electrical performance. DC grounding for lightning protection, 6 hole mounting. P/N 11-06843.....


 **COMANT UHF (CI-306)** - Frequency • 800-870 MHz. Stub-type antenna tuned for the 800- 870 M z radio telephone band. Intended for use on low-flying aircraft and helicopters. CI 306 available with BNC connector and mounts through a single 0.600 inch diameter hole. P/N 11-06844.....


 **COMANT CI 310-20 RADIOPHONE** - Frequencies Covered 806-960 1030-1090 M z L Band / V F blade antenna designed for high performance aircraft. Features vertical/omnidirectional pattern, wide band/high efficiency electrical performance and DC grounding for lightning protection. P/N 11-06845.....

 **COMANT CI 310-22 RADIOPHONE ANTENNA** - Frequencies Covered 806-960 1030-1090 M z L Band / V F blade antenna designed for high performance aircraft. Low profile, light weight antenna and is packaged in a molded body with metal mounting base to ensure stable environmental performance and resistance to vibration, rain erosion and cleaning solvents. Features vertical/omnidirectional pattern, wide band/high efficiency electrical performance and DC grounding for lightning protection. P/N 11-06846.....

COMANT RADIOPHONE / DME ANTENNAS


 **COMANT VHF COMMUNICATION (CI-121)** - Frequencies Covered 118-137 M z. Similar to the CI 109, the CI 121 is smaller in diameter and lighter at only 0.5 pounds. Upgraded to the new RTCA DO-160D environmental requirements and offers the 118 to 137 M z frequency associated with DO-186A MOPS. P/N 11-17921.....


 **COMANT VHF COMMUNICATIONS (CI-122)** - Frequencies Covered 118-137 M z. Designed specifically for mounting to the underside of an aircraft providing excellent radiation coverage for air-to-ground V F communications. Bent configuration makes it ideally suited for helicopters and low wing aircraft. Upgraded to the new RTCA DO-160D environmental requirements and offers 118 to 137 M z frequency associated with the DO-186A MOPS. P/N 11-17922.....


 **COMANT VHF COMM (CI-211)** - Frequencies Covered 118-137 M z. For large twins and medium et aircraft. Only 8.25 inches high. Upgraded to the new RTCA DO-160D environmental requirements and offers the 118 to 137 M z frequency associated with DO-186A MOPS. P/N 11-07082.....


COMANT RADIOPHONE / DME ANTENNAS

 **COMANT VHF COMMUNICATIONS (CI-291)** - Frequencies Covered 118-137 M z. Upgraded to the new RTCA DO-160D environmental requirements and offers the 118 to 137 M z frequency associated with DO 186A MOPS. P/N 11-17991.....


 **COMANT VHF COMMUNICATIONS (CI-292-1)** - Frequencies Covered 118-137 M z. Designed specifically for top mounting on an aircraft. Upgraded to the new RTCA DO-160D environmental requirements and offers the 118 to 137 M z frequency associated with DO-186A MOPS. P/N 11-05093.....


 **COMANT VHF COMMUNICATIONS (CI-292-2)** - Upgraded to the new RTCA DO-160D environmental requirements and offers the 118 to 137 M z frequency associated with DO 186A MOPS. P/N 11-29202.....

 **COMANT VHF COMMUNICATION (CI-248-5)** - Frequencies Covered 118-137 M z. Developed for Cessna 182 and 182T aircraft. The only V F antenna with a built-in notch filter, that allows installation in close proximity to GPS antennas without co-sight interference. P/N 11-05585.....

 **COMANT VHF COMMUNICATIONS (CI-108)** - Frequencies Covered 450-470 M z. Suitable for either top or bottom mounting. Upgraded to the RTCA DO-160D environmental requirements with DO-186A MOPS. Optional leading edge protection CI-108-L P/N 11-07079..... CI-108L P/N 11-07080.....


COMANT VOR / LOC / GS ANTENNAS


 **COMANT VOR/LOC/GS (CI-120G-S)** - Frequency • 108-118 MHz VOR/LOC 329-335 M z GS Antenna system qualified for use on single engine, twin, et, and helicopter aircraft. Provides glideslope reception capability. Complete set includes a pair 2 of blades, each with single BNC connector output, two coax interconnect cables and a signal combiner output providing for a single cable run to the avionics installation. P/N 11-06801.....


 **COMANT VOR/LOC/GS (CI-120-200G/S)** - Frequency • 108-118 M z VOR/LOC 329-335 M z GS Antenna system qualified for use on single engine, twin, et, and helicopter aircraft. Provides glideslope reception capability. Complete set includes a pair 2 of blades, each with single BNC connector output, two coax interconnect cables. Dual output signal combiner providing for separate RF cable runs to the avionics installation for NAV1 and NAV 2 receivers, is included. P/N 11-06802.....


CI-120-200G/S-L - Blades have leading edge protection and come with rubber gasket enabling mounting on curved vertical stabilizers. P/N 11-06803.....


 **COMANT VOR/LOC/GS (CI-120-400)** - Frequency • 108-118 M z VOR/LOC 329-335 M z GS Designed for the Cessna 182 Series. Complete kit includes a pair 2 of blades, each with a single BNC output, and two coax interconnect cables. Single BNC output phasing combiner providing for a single RF cable run to the avionics installation. P/N 11-06804.....

 **COMANT VOR/LOC/GS (CI-157P)** - Frequency 108-118 M z VOR/LOC 329-335 M z Glide Slope V Dipole VOR/LOC Glide Slope antenna with fixed elements designed specifically for compatibility with the Piper Aircraft mounting. Radiating elements are not removable. Not approved for helicopter installations. P/N 11-15700.....

 **COMANT VOR/LOC/GS (CI-185C)** - Frequency • 108-118 M z VOR/LOC 329-335 M z GS V Dipole VOR/LOC/GS antenna with detachable elements mounts on top of the vertical fin stabilizer for most single engine general aviation aircraft. RF design similar to the CI 157P. Integral ferrite balun provides for higher radiation efficiency. Detachable elements result in a significantly smaller shipping and storage carton than fixed element versions. Not approved for helicopter installations. P/N 11-17923.....






 **COMANT VOR/LOC/GS (CI-158C-2)** - Frequency • 108-118 M z VOR/LOC 329-335 M z GS Detachable elements mounts on top of the vertical fin stabilizer offering the four-hole mounting configuration found on many beech aircraft. Detachable elements result in a significantly smaller shipping and storage carton than fixed element versions. Not approved for helicopter installations. P/N 11-06806.....

 **COMANT VOR/LOC/GS (CI-158C-3)** - Frequency 108-118 M z VOR / LOC 329-335 M z Glide Slope V Dipole VOR/LOC Glide Slope Antenna with detachable elements was developed specifically for Beech Bonanza aircraft and encompasses reduced static capability with the use of P-Stat Paint and bleeder resistors. Not approved for helicopter installations. P/N 11-06807.....






 **COMANT VOR/LOC/GS (CI-159C)** - Frequency 108-118 M z VOR / LOC 329-335 M z Glide Slope Similar to the CI 158C-3 with the exception of offering 2-hole mount instead of a 4-hole mount. Not approved for helicopter installations. P/N 11-17924.....

COMANT ANTENNAS




COMANT VOR / LOC / GS ANTENNAS

-  **COMANT GLIDE SLOPE (CI-193)** - Frequencies Covered 329-335 M z GS For interior mounting for GS reception. P/N 11-05200.....
-  **COMANT VOR/GS (CI-205-3)** - Frequency 108-118 M z VOR/ LOC 329-335 M z Glide Slope Mounting on the aircraft vertical stabilizer or helicopter tail boom. Set includes a pair 2 of towel bar sensor elements each with a single BNC output connector and a one-piece dual coax interconnect signal combiner harness with a single BNC connector output. Provides for a single cable routing to the avionics location. P/N 11-17985.....
-  **COMANT GLIDE SLOPE (CI-212-2)** - Frequency • 329-335 M z GS Similar to the CI 212 except provides two output signals for dual glide slope receiver installation without the need for a glide slope coupler. P/N 11-06808.....
-  **COMANT VOR/LOC/GS (CI-215)** - Frequencies Covered 108-118 M z VOR/LOC , 329-335 M z GS Detachable elements featuring two integrally molded mounting legs or spacers for increased strength. P/N 11-17926.....
-  **COMANT VOR/LOC/GS (CI-259E)** - Frequencies Covered 108-118 M z VOR/LOC , 329-335 M z GS Fixed elements for helicopter aircraft. P/N 11-06809.....



COMANT COMDAT GPS ANTENNAS

-  **COMDAT ANTENNA (CI-401-220)** - Frequency • GPS 1575.42 / - 3 M z Contains stable amplifier that offers great performance. Gain performance at 26.5 to 31.5 dB minimum. Presents very low noise levels at 3.8 dB maximum. Built-in voltage regulator. P/N 11-04139.....
-  **COMDAT GPS (CI-401-221)** - GPS antenna with TNC connector. Meets RTCA DO 160-D operating standards including direct effects lightning. Operate with 26.5 dB panel mount GPS receivers. Certified FAA TSO-C144 for GPS and GPS AAS Class Gamma 1 equ. Not compliant for GPS AAS Class Gamma 2 and 3 applications. Not compatible with most portable GPS receiver systems. GPS 1575.42 M z / 26.5 dB Gain P/N 11-06795.....
-  **COMDAT GPS CI 408-20/ ACTIVE** - Designed for airborne applications with aircraft speeds up to 600 KTAS. Drop-in replacement for many popular GPS applications. RTCA DO 160-D operating standards including direct effects lightning. GPS 1575.42 M z - 28.0 db Gain P/N 11-06796.....
-  **COMDAT ANTENNA (CI-420-220)** - Stand-alone GPS antenna with TNC connector. Meets RTCA DO 160D operating standards including direct effects lightning. Designed to operate with 26.5 dB panel mount GPS receivers. Certified FAA TSO-C144 for GPS and GPS AAS Class Gamma 1 equipment. Not compliant for GPS AAS Class Gamma 2 and 3 applications. Not compatible with most portable GPS receiver systems. GPS 1575.42 M z - 26.5 db Gain P/N 11-05848.....
-  **COMDAT GPS (CI-420-221)** - Stand-alone GPS antenna with TNC connector. Meets RTCA DO 160D operating standards including direct effects lightning. Designed to operate with Garmin 17.0 dB panel mount GPS receivers. Not compatible with most portable GPS receiver systems. GPS 1575.42 M z - 17.0 db Gain P/N 11-04291.....



COMANT COMDAT GPS/XM ANTENNAS

-  **COMDAT GPS/XM (CI 420-420)** - Frequencies • GPS 1575.42 M z / 26.5 dB Gain XM 2332.5-2345.0 /30-34 dB Gain. GPS and XM weather antenna. Designed for compatibility with panel mount 26.5 dB gain GPS receivers. Add XM to an existing GPS antenna location without the need for a completely new installation location. Certified FAA TSO-C144 for GPS and GPS AAS Class Gamma 1 equipment. Not compliant for GPS AAS Class Gamma 2 and 3 applications. Not compatible with most portable GPS receiver systems P/N 11-05852.....
-  **COMDAT GPS/XM (CI-401-460)** - GPS and XM weather antenna. Compatibility with panel mount 26.5 dB gain GPS receivers. Certified FAA TSO C144 for GPS and GPS AAS Class Gamma 1 equipment. Not compliant for GPS AAS Class Gamma 2 and 3 applications. The CI 401-460 replaces the CI 401-420. Not compatible with most portable receiver systems. GPS 1575.42 M z / 26.5 dB Gain. XM 2332.5-2345.0 /26-30 dB Gain. P/N 11-06791.....
-  **COMDAT GPS/XM CI-420-421** - GPS and XM weather antenna. Designed for compatibility with Garmin panel mount 17.0 dB gain GPS receivers. Add XM to an existing GPS antenna location without the need for a completely new installation location. Not compatible with most portable GPS receiver systems. GPS 1575.42 M z /17.0 dB Gain. XM 2332.5-2345.0 /30-34 dB Gain P/N 11-06792.....




COMANT COMDAT VHF/GPS ANTENNAS

-  **COMDAT VHF/GPS (CI-2480-200)** - Dual function single engine antenna for V F/GPS. For popular 26.5 dB gain GPS panel mount systems. Certified FAA TSO-C144 for GPS and GPS AAS Class Gamma 1 equipment. Not compliant for GPS AAS Class Gamma 2 and 3 applications. V F 118-137 M z GPS 1575.42 M z / 26.5 dB Gain P/N 11-05850.....
-  **COMDAT ANTENNA (CI-2480-201)** - 1575.42 M z 17.0dB Gain 118 - 137 M z V F. Separate connectors for GPS and V F, GPS is protected from V F harmonics. Designed for use with Garmin s™ panel mount GPS systems that require 17dB gain. P/N 11-05849.....



COMANT COMDAT VHF/GPS ANTENNAS

-  **COMDAT VHF/GPS (CI-2680-200)** - Designed for use with Air-cell Broadband Systems ABS. Single and twin engine piston aircraft for applications of this antenna design. Some light turbine and light ets. Consult your FBO or installation shop for best application information. V F 118-137 M z GPS 1575.42 M z / 26.5 dB Gain P/N 11-06789.....
-  **COMDAT VHF/GPS CI-2680-201** - Dual function high speed antenna for twins and light ets. Featuring V F and GPS in a single antenna. Designed for use with Garmin GPS panel mount receiver units requiring 17.0 dB gain. Not compatible with most portable GPS receiver systems. V F 118-137 M z GPS 1575.42 M z / 17.0 dB Gain P/N 11-06790.....

COMANT COMDAT VHF/GPS/XM ANTENNAS

-  **COMDAT VHF/GPS/XM (CI 2480-400)** - Frequency • 1575.42 M z 26.5dB Gain GPS 2332.5 - 2345.0 M z XM X 118-137 M z V F V F, GPS and XM weather Data in a single, combined antenna. Built-in 80dB low pass filter protects both GPS and XM antennas against unwanted V F interference. 26.5dB GPS amplifier. helicopter rated. P/N 11-05853.....
-  **COMDAT VHF/GPS/XM (CI-2680-400)** - Triple function V F / GPS/XM weather antenna for twin and light et aircraft. Certified FAA TSO C144 for GPS and GPS AAS Class Gamma 1 equipment. Not compliant for GPS AAS Class Gamma 2 and 3 applications. Not compatible with most portable receiver systems. V F 118-137 M z GPS 1575.42 M z / 26.5 dB Gain XM 2332.5 - 2345.0 / 30 dB Gain P/N 11-06786.....
-  **COMDAT ANTENNA (CI 2680-500)** - Frequencies • VHF 118-137 M z XM 2332.5 - 2345.0 30-34dB Gain. V F/GPS/XM For twin and light et aircraft. Provides 80 dB of V F harmonic suppression. Requires Avidyne's DC50 coupler switch for dual V F/Data Link functionality. Certified FAA TSO-C144 for GPS and GPS AAS Class Gamma 1 equipment. Not compliant for GPS AAS Class Gamma 2 and 3 applications. P/N 11-05855.....

COMANT COMDAT XM ANTENNAS

-  **COMDAT XM (CI-420-10)** - XM 2332.5-2345.0 /25.0 dB Gain. For Garmin GDL 69/69A receivers and eads p Technologies T receivers with short coax ial cable runs. Feature robust TNC female connector. P/N 11-06798.....
-  **COMDAT XM (CI-420-16)** - XM 2332.5-2345.0 /26-30 dB Gain. For eads p Technologies T receivers with longer coax ial cable runs . Features robust TNC female connector. P/N 11-06799.....

COMANT ATTENUATOR SPLITTERS COUPLERS, & DUPLEXERS

- COMANT GPS ATTENUATOR CI- 11 - 1575.42 M z. sed with 26.5 dB gain ComDat GPS antennas, it allows operation of Garmin GPS systems that require 17 dB gain. P/N 11-06825.....
- COMANT SP ITTER CI- 1 0 UA OR OC GS - 108-118 M z 329-335 M z. For use with Garmin GNS 580 and similar systems. Splits single coax antenna input into equally proportioned VOR/ LOC/GS outputs. P/N 11-06826.....
- CI- 0 ual OR Coupler Allows the simultaneous use of two VOR receivers from one VOR antenna. P/N 11-17975.....
- CI- 03 ual GS iple er Permits operation of two glide slope receivers from one glide slope antenna. P/N 11-17976.....
- CI- 0 OR GS Triple er Permits operation of two NAV one glide slope receiver from 1 VOR/LOC antenna. P/N 11-17977.....
- CI- 07 Single OR GS iple er Provides the operation of one VOR and one glide slope receiver from one VOR/GS antenna. P/N 11-17980.....
- CI- 0 COMANT COUP ER MARKER EACON - Permits the use of two marker beacon receivers from one marker beacon antenna. P/N 11-06852.....
- CI- 01 COMANT UP EXER - Designed to provide operation between two transceivers and one antenna. P/N 11-06827.....
- CI-11 OR GS uadruple er Permits operation of two NAV two glide slope receivers from 1 VOR/LOC antenna. P/N 11-03777.....



DORNE & MARGOLIN ANTENNAS - ANTENNA TEMPLATES

DM C63-1/A ANTENNA

Frequency Range 118-137 M z The DM C63-Series antennas are V F communication antennas designed for high mechanical strength with machine tapered aluminum alloy radiating elements. These vertically polarized antennas cover the frequency range of 118-137 M z for both transmitting and receiving applications. The DM C63-1/A is designed for mounting on top of the fuselage. All DM C63-Series antennas are supplied with a gasket and a doubler plate. P/N 11-02764.....

DM C63-2 ANTENNA

Designed for high mechanical strength with machine tapered aluminum alloy radiating elements. Vertically polarized antennas cover the frequency range of 118-137 M z for both transmitting and receiving applications. Low profile bentback radiating element designed for mounting on the bottom of the fuselage. Supplied with a gasket and a doubler plate. P/N 11-02765.....

DM C63-3/A ANTENNA

V F communication antenna designed for high mechanical strength with machine tapered aluminum alloy radiating elements. These vertically polarized antennas cover the frequency range of 138-174 M z for both transmitting and receiving applications. Low profile bentback radiating element designed for mounting on the bottom of the fuselage. Supplied with a gasket and a doubler plate. P/N 11-02766.....

DM C70-1/A TRIM LINE ROD ANTENNA

Designed for top or bottom installation on high-performance, single, twin and turbo engine fi ed and rotary wing aircraft. These uniquely designed antennas offer mechanical strength and high-electrical efficiency to provide maximum reliability and full 360/720 channel transceiver operation. The lightweight profile is unobtrusive, resists icing and offers low drag. eight 15 Speed Rating 400 mph. P/N 11-02768.....

DM C70-3 STRAIGHT ROD ANTENNA

Designed for top or bottom installation on high-performance, single, twin and turbo engine fi ed and rotary wing aircraft. These uniquely designed antennas offer mechanical strength and high-electrical efficiency to provide maximum reliability and full 360/720 channel transceiver operation. The lightweight profile is unobtrusive, resists icing and offers low drag. eight 20.5 . Speed Rating 250 mph. P/N 11-02769.....

DM C70-4 ANTENNA

Designed for top or bottom installation on high-performance, single, twin and turbo engine fi ed and rotary wing aircraft. These uniquely designed antennas offer mechanical strength and high-electrical efficiency to provide maximum reliability and full 360/720 channel transceiver operation. The lightweight profile is unobtrusive, resists icing and offers low drag. P/N 11-02770.....

DM NI70-2 ANTENNA

L-band metal blades with extended bandwidth for use with both transponders or distance measuring equipment. Sealed and waterproofed for increased reliability. P/N 11-02767.....

DM N48-1 ANTENNA

Balanced loop design assures an omnidirectional radiation pattern at the horizon to obtain the maximum signal for standard VOR and area navigation systems installed in lightweight aircraft, medium twins, and helicopters operating up to 250 mph. Dual VOR receiver operation is obtained when the antenna is used with the DM 21-1 diplexer. P/N 11-02771.....

DORNE & MARGOLIN ANTENNA COUPLERS

M H 1- - Dual Market Beacon or Dual VOR P/N 11-02772.....

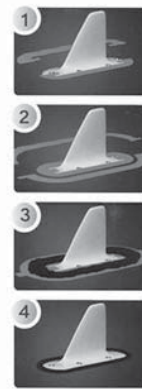
M H -1 - Single G/S or Single VOR. P/N 11-02773.....

M H 3-1 - Triple er. Dual VOR Single G/S P/N 11-02774.....

M H -1 - uadruple er. Dual VOR Dual G/S P/N 11-02775.....

M H 4-1 - Diplexer, Dual G/S P/N 11-02776.....

ANTENNA INSTALLATION TEMPLATES



Custom designed templates improve the antenna sealing process, making it more precise, efficient and cost-effective.

Each Sealing Guide template is custom designed to correspond to an individual antenna. They consist of 2 pieces, one inner part and one outer part. The inner template adheres to the base of the antenna, the outer template is placed on the body of the aircraft surrounding the antenna. Sealant is applied to the gap between the templates. When the templates are removed and discarded, the sealant is left to cure, resulting in a clean, precise and smooth seal.


Each template is custom designed to correspond to an individual antenna. You will no longer need to laboriously cut and paste various lengths of tape, trying to fit them around the irregular antenna shape. The Sealing Guide template consists of 2 pieces, one inner part and one outer part. Application is simple. The inner template adheres to the base of the antenna, and the outer template is placed on the body of the aircraft surrounding the antenna. Sealant is applied to the gap between the templates. The templates are then removed and discarded. The sealant is left to cure, resulting in a clean, precise and smooth seal. Incorporating the Sealing Guide system into your sealing process will significantly reduce labor time.

| For use with the following antennas: | Part No. | Price |
|--|----------|-------|
| CI-105-9, CI-105, CI-105-16, AV-74 | 11-06653 | . |
| CI-105-3 | 11-06653 | . |
| CI-102 | 11-06655 | . |
| CI-100 Series, CI-105-6, CI-105-7, CI-110-40 Series, CI-110-41 Series, CI-110-60 Series, CI-110-61 Series, S65-5366-850L, S65-5366-890L, S65-5366-2L, S65-5366-3L, S65-5366-7L, S65-5366-8L, S65-5366-10L, S65-5366-10LC, S65-5366-11L, S65-5366-116L, S65-5366-119L, S65-5366-144L, S65-5366-145L, S65-5366-168L, S65-5366-4 Series, AV-741, DM N150 Series, DM N170 Series | 11-06656 | . |
| CI-275-2, CI-275-5, CI-310-20, CI-310-22, CI-310-25 | 11-06658 | . |
| CI-305 | 11-06660 | . |
| CI-105-20, CI-105-22, CI-105-24, CI-105-25, CI-150-250-L | 11-06666 | . |
| CI-118-10, CI-118-1, CI-118-9, CI-118 | 11-06662 | . |
| CI-200, CI-175 | 11-06663 | . |
| CI-285 | 11-06664 | . |
| CI-121, CI-122, CI-177, CI-177-1, CI-177-13, CI-177-3, CI-177-4, CI-177-20, CI-291, CI-292-1, CI-292-2, CI-292-3, CI-292-4, CI-222, CI-222-1, CI-4510, CI-317, CI-317-1, CI-405 Active Series, CI-405-26 Active, AV-10, AV-14, AV-17 | 11-06665 | . |
| CI-248-5, CI-248-30, CI-248-180, CI-2480-100, CI-2480-101, CI-2480-200, CI-2480-201, CI-2480-204, CI-2480-206, CI-2480-300, CI-2480-301, CI-2480-304, CI-2480-400, CI-2480-401, CI-420-10, CI-420-16, CI-420-220, CI-420-221, CI-420-224, CI-420-230, CI-420-420, CI-420-421, 2.70-4.40, 110-338 | 11-06666 | . |
| CI-401 Series ACT, CI-401 Series PAS, S67-1575-16, S67-1575-52, S67-1575-82, S67-1575-132, S67-1575-133, S67-1575-134, S67-1575-135, S67-1575-145, AV-GPS, DM N1021-1 | 11-06667 | . |
| CI-145, CI-2680-500, CI-2680-400, CI-2680-401, CI-119, CI-138, CI-139, CI-145, CI-145-1, CI-196, CI-238 | 11-06668 | . |
| CI-119, CI-138, CI-139, CI-145, CI-145-1, CI-196, CI-238 | 11-06669 | . |
| CI-211, CI-211-1, CI-211-1-L, CI-211-16, CI-211-L, CI-408-20, S67-1575-20, S67-1575-39, S67-1575-49, S67-1575-59, S67-1575-14, S67-1575-76, S67-1575-86, S67-1575-98, S67-1575-96 | 11-06670 | . |
| S67-1575-136, S67-1575-863, S67-1575-109, S67-1575-137 | 11-06671 | . |
| CI-108, CI-108-1, CI-108-1-L, CI-108-L | 11-06672 | . |
| CI-164, CI-165 | 11-06673 | . |


AV


R.A. MILLER ANTENNAS


ANTENNA SPECIALISTS HAVE 40 OHM IMPEDANCE. OR SPEEDS TO 500 MPH AND 50,000 FEET ALTITUDE.


 **VHF COM ANTENNA** - Stainless steel bent whip antenna with insulator and mounting hardware. 118-136 M z. t. 3-1/2 oz. P/N AV-534.....


Same antenna as described above but furnished w/96' lead of RG58 A/ cable with BNC and ground strap with lugs. t. 7.5 oz. P/N AV-534L.....

 **VHF "BROAD BAND" COM ANTENNA** - Blade type-low drag. Aluminum radiator encapsulated in rigid urethane foam with white fiberglass housing. 118-136 M z. Power capability 50 watts. 13-1/2" high. Weight 20 oz. P/N AVT-4.....

 **VHF "BROAD BAND" ANTENNA** - Rod type. Silver plated braid radiator encapsulated in fiberglass tube with white epoxy finish. Die cast aluminum base. 118-136 M z. t. 8 oz. BNC termination. Supplied with weather sealing rubber pad and mounting hardware. P/N AV-529.....

 **CB ANTENNA** - This general aviation CB communications antenna is uniquely designed w/ center loading coil to permit the antenna to be short for practical operation. It is constructed of a fiberglass rod mounted in an aluminum die cast base. BNC connector. Power rating 50 W. Final tuning on airplane. t. 10 oz. P/N AV-568.....


 **OMNI VOR NAV ANTENNA** - This antenna is constructed of taper-ground high-strength stainless steel to withstand the vibration and wind loads with the stability necessary for reliable operation. The insulators are compression molded backlite with mounting holes provided and weather sealed. The antenna may be mounted with the V pointed forward or aft. Impedance is 50 ohms when used with the balun 30 ft. of RG-58 A/ cable supplied. 108-118 M z. P/N AV-532L.....


 **TRANSPOUNDER ANTENNA** - Chrome plated, phosphor bronze radiating element mounted in Teflon insulator. Ball tip for low-noise static discharge. May be installed from the outside. TSO d. 1030-1090 M z. BNC connector. t. 1 oz. P/N AV-22.....

 **MARKER BEACON ANTENNA** - Sled type. Centerless ground stainless steel, supplied with feed system, low-absorption high-strength standoff insulator, stainless steel mounting hardware. Lead not supplied. 75 M z. t. 7.25 oz. P/N AV-533.....

 **MARKER BEACON ANTENNA** - Boat Type P/N AV-569.....

 **VHF DIPLEXER COUPLER** - Splits the signal from a single antenna into two NAV receivers eliminating the need for a second antenna. P/N AV-547.....


 **AV-9** - A broadband DME L band antenna durably constructed around a Type N low-loss connector. The large diameter radiator of polished chrome-plated aluminum gives the broad coverage required with this type of antenna. The antenna is easily installed and operates at speeds of up to 250mph and altitudes up to 50,000 ft. P/N 11-02344.....

 **AV-545** - An ADF Sense antenna supplied with Government Approved self-gripping awns and a stainless steel small diameter low drag tension device for reliable installation. The unit is also supplied with 23 ft of type 6370-2 copperweld polycovered antenna wire for minimum stretching, mounting bracket and hardware, rubber pad and ASA insulator with feed-thru. The antenna operates at speeds of up to 250 mph and altitudes up to 50,000 ft. P/N 11-02345.....


 **BASE STATION ANTENNA** - Ground Plane 118-136 M z P/N AV-5.....

 **AV-10 COMMUNICATIONS ANTENNA** - 4-bolt design. Designed for high-performance aircraft applications. Identical in mounting and appearance to Cessna communications antennas. Rated to 250 knots. Equivalent to Comant CI-121 Antenna. t. 8 oz. t. 17-1/2 P/N 11-12500.....


 **AV-14 PUBLIC SERVICE AND BUSINESS BAND ANTENNA** - Available in 4-bolt design. Features a tapered glass laminate housing and die-cast aluminum base. Rated to 250 knots. Equivalent to Comant CI-177-1. t. 8oz. t. 17.5 P/N 11-12600.....

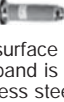
 **AV-17 COMMUNICATIONS ANTENNA** - 4-bolt design. Designed for mounting to the underside of an aircraft, providing an excellent radiation pattern for air-to-ground communications. Low profile configuration makes it ideal for helicopters and low-wing aircraft. Equivalent to Comant CI-122 antenna. t. 8 oz. t. 8-3/4 P/N 11-12700.....


 **VHF TRIPLEXER SPLITTER** - Splits signal from VOR NAV antenna into two NAV receivers and one glide slope receiver. P/N AV-571.....

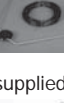
 **RA MILLER TRANSPONDER/DME ANTENNA (AV-74)** - For transponder or DME application. The antenna housing is constructed of an acrylonitrile-styrene-acrylic ASA shell. The white color allows maximum performance without losses due to color pigments or unseen dirt. The antenna is supplied with cellular neoprene mounting pad and hardware. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 0.09 lbs @ 250 mph. This antenna is a direct replacement for Comant's model CI-105. P/N AV-74.....

 **VHF DIPLEXER SPLITTER** - Splits the signal from a VOR NAV antenna into NAV and glide slope receivers. Construction similar to AV-547. Insertion loss in applicable band - max .1 dB. Separation - min. 38 dB. Filtering - min. 30 dB, average - 40 dB. Connections G-1094. Accepts BNC. 108-118 M z, 329-333 M z. t. 3-1/2 oz. P/N AV-570.....


 **AV-1** - is a base station antenna for communications with ground vehicles or aircraft. It has heavy-duty construction with 3/8" diameter aluminum radials, a 1" diameter aluminum tube radiator, and is iridite-treated for durability. It mounts easily to a 1" diameter pipe or a 1-1/4" O.D. tube with locking set screws.. P/N 11-05996.....


 **AV-2** - is a high performance vehicular antenna for use on all surface vehicles where communication on the aircraft V F frequency band is required. Heavy duty construction with a tapered 17-7P stainless steel whip and spring mount. P/N AV-2.....


 **AV-3** - is a low profile snap-in mounting quarterwave antenna for use on surface vehicles. It has a solderless cable connection at the antenna and is supplied with 12 feet of cable and PL-529 connector. P/N AV-3.....


 **AV-12** - is a VOR receive only antenna which uses a highly efficient technique of molding the elements directly into a high-impact thermo-setting bakelite center insulator. A 25 ft cable with integral balun is also supplied. with the AV-12L P/N AV-12.....


 **QUICKIE ANTENNA KIT** - Simple installation procedure produces excellent communications antenna. Order additional kit for navigation antenna. P/N 11-09800..... Toroids Only - used in our quickie antenna kit for composite aircraft. P/N 11-09900.....

 **ADF ANTENNA KIT** - This ADF Antenna Kit is an economical replacement for the Cessna factory style antenna used on all the smaller Cessna aircraft. This antenna will work on most aircraft except those with a moveable tail such as the Mooney. Replacement Kit..... P/N 11-12300..... For new installations..... P/N 11-02655.....


 **DM N4-17/N ANTENNA** - VOR/LOC/GS BAL. LOOP S STEM DM N4-17/N Single Output -- Frequency VOR/LOC 108-118 M z -- GS 329-335.3 M z P/N 11-05859.....

 **AV-6 CABLE ASSEMBLY** - Cable assembly consisting of 50 foot of RG-58/ low loss transmission line, a PL-259 connector at one end and a BNC male connector at the other. Commonly used with the AV-1 and AV-5 P/N 11-06992.....

 **AV-741 ANTENNA** - Designed for use with DME/Transponder sets. Constructed from an aluminum casting which is capable of withstanding particle erosion at high speeds. Designed to operate at speeds up to 350 mph and altitudes of 50,000 ft. It has a drag force of 0.35 lb @ 250 mph. P/N 11-06995.....

 **AV-15 ANTENNA** - Used with aviation, land mobile radio and flight phone bands. Chrome-plated ball tip provides low noise static discharge. Designed to operate at speeds up to 350 mph and altitudes of 50,000 ft. It has a drag force of 0.75 lb @ 250 mph. P/N 11-06993.....

 **AV-64 ANTENNA** - Marker beacon antenna designed for very low drag. Supplied with cellular neoprene mounting pad and hardware. Designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 0.22 lbs @ 250 mph. P/N 11-06994.....

 **AV-530 ANTENNA** - Designed for broadband communications. Has a die-cast aluminum base and a tapered stainless steel whip for less drag at higher airspeeds. Supplied with a weather-sealing gasket and mounting hardware. Designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 1.65 lb @ 250 mph. P/N 11-06696.....

AV

ANTENNAS

BOB ARCHER AIRCRAFT ANTENNAS

Designed by Bob Archer utilizing concepts common to military aircraft and space vehicles. The antenna performance is superior to most in use today in private aircraft. Antennas must be installed in accordance with the installation instructions. These antennas are designed to be installed inside fiberglass or other non-conductive wing tips or tail caps of metal or other conductive material aircraft.

SPORT AIRCRAFT ANTENNAS

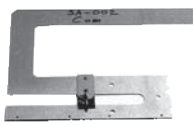


MODEL 1 - This VOR antenna is designed to fit inside larger fiberglass wing tips on metal conductive that is airplanes such as T-18 s, RV s Bonanzas etc. The wing tips must have internal dimensions of at least 11 24 and generally fit better on the bottom surface. The VS R is normally less than 2.0 1 over a frequency band of 108-127 Mhz but could be higher due to installation factors.

Left Side P/N 11-21015-1
Right Side P/N 11-21015-2

MODEL 1A - wing tip Com antenna. Looks the same as Model 1 above and fits the same tips as those above but tuned for the Com band. Offered because of pressure from RV builders. Does not perform as well as Model 2 Com antenna but users report good communications at ranges greater than 50 miles. Should be installed so that the maximum height of the tip is utilized to get the most vertical polarization.

Left Side P/N 11-21016-1
Right Side P/N 11-21016-2



MODEL 2 - Tail cap Com antenna for metal conductive airplanes installed inside a tail top fiberglass fairing with inside dimensions of at least 10 high 12 long. VS R is normally less than 2.0 1 over a COM frequency band of 118-136 Mhz.

Left Side P/N 11-21020



MODEL 3 - wing tip VOR antenna of same general design as the Model 1 but of a narrower design to fit Mooney tips with internal dimensions of 8 24 . VS R less than 2.0 1 over the frequency band of 108 to 118 Mhz.

Left Side P/N 11-21010-1
Right Side P/N 11-21010-2

MODEL 4 - wing tip VOR antenna designed for smaller tips than Model 3 and with a 10 degree flare on the top portion and a curled aft portion. VS R less than 2.0 1 over the frequency band of 108 to 118Mhz.

Right Side P/N 11-21025-1
Left Side P/N 11-21025-2

STYLE 1 OR 2 ANTENNAS

NOTE - wingtip antennas come in R and L types. The -1 suffix indicates the installation of the antenna on the lower inside surface of the left wingtip or the upper inside surface of the right wingtip. The -2 suffix indicates the installation of the antenna on the upper inside surface of the left wingtip or the lower inside surface of the right wingtip.

MIRACLE AIR WHIP ANTENNA

The Miracle Air Whip Antenna features include: • Installs in the nose of your Challenger or similar aircraft in minutes • Groundplane free - a full half-wave dipole so it doesn't need any ground plane or wires • Pre-tuned for the highest effective radiated power from your transceiver • Mainly omni-directional pattern with slight bias towards your heading • Extended frequency response compared to most whips • Highest quality mil-spec connectors, cable and other materials • Available versions for Comms/VOR ELT COM/VOR P/N 11-03018
ELT P/N 11-03023

STAINLESS VHF ANTENNAS FOR HOMEBUILTS



These V F antennas are stainless steel including all hardware. Insulators are made of Delrin, which resists extreme cold or high temperatures and is non-breakable. Antennas are available in straight and 45 or 90 angles. 118 136 m z range. eight 3 oz. Not FAA approved.

Straight P/N 11-04516 45 P/N 11-04517
Transponder ... P/N 11-02759 90 P/N 11-00648

COPPER ANTENNA FOIL TAPE 3/8 INCH

Used as an antenna ground in composite aircraft. P/N 11-12900



TORROIDS (FERRITE BEADS)

Used in our quickie antenna kit for composite aircraft. P/N 11-09900



STAINLESS STEEL ADF ANTENNA KIT

• Replace your rusty antenna • Will never rust • Fits most high/low wing light aircraft • The safest! Ceramic safety insulator • Easy to install • The finest stainless ADF antenna you can buy Note Not for Mooney aircraft or any aircraft with a movable empennage.

Economy stainless ADF ANT.kit P/N 11-12300
ADF stainless ANTENNA kit P/N 11-02655

ANTENNAS FOR COMPOSITE AIRCRAFT



MODEL 5 - This transponder/DME antenna is an etched copper clad epoxy circuit board dipole that is designed to be installed inside non-conductive aircraft without need for the additional installation of a ground plane. The dimensions are 6 7 and it can be installed in the aft fuselage or the wings with the 6 dimension vertical.VS R is less than 1.2 1 over bands of 1032 to 1090 Mhz. P/N 11-21005



MODEL 6 - This com antenna is designed to be installed on the inside surface of the aft fuselage of composite and wood aircraft. It is a dipole that is folded up to minimize the vertical dimension and requires 12 of fore and aft space and 26.5 vertically. It is designed with flexibility so it can match the internal curvature of the fuselage. The VS R is less than 2 1 across the com frequency band P/N 11-21000



MODELS 7 & 8 - These antennas are essentially the same with the exception of the overall length and the matching devices with the com antenna being installed vertically and the nav antenna being installed horizontally. VS R is less than 2 1 over their respective frequency bands. The outer ends of these antennas may be swept to +/-30 to facilitate installation in various aircraft types. NAV Antenna Model 7 P/N 11-21030
COM Antenna Model 8 P/N 11-21035

AV-GPS ACTIVE GPS ANTENNA



The RAMI model AV-GPS is a permanently mounted external aircraft antenna designed for use with GPS receivers which provide 5VDC on their antenna connector. Most handheld GPS receivers have this provision. It is an active amplified antenna providing an average 26 dB gain over a passive non-amplified antenna. P/N 11-17990



ANTENNA COVER PLATE

For those of you who have been removing Loran-C antennas, here is your answer, the Antenna cover plate. It was designed to fit the same footprint as the CI-121SP or similar series antennas. Machined from white acrylic. P/N 11-17984 ea.

ANTENNA WIRE

FLEXIBLE ANTENNA WIRE - Cotton thread core. 6 7 silicon bronze wire. Per Spec. NAF29720-2. P/N 11-04239 /ft /100ft.
COAXIAL CABLE - RG-58U - Tinned copper conductor, solid polyethylene dielectric. Standard cable for radio installations. For experimental aircraft only. P/N 11-04258 ft /100ft.
TYPE RG-400U - Tinned copper conductor, PVC Type IIA jacket. FAA approved for certificated aircraft. P/N 11-09202. /ft /100ft.

BNC COAXIAL ANTENNA CONNECTORS FOR RG-58U CABLE



Male P/N 11-03992
Female P/N 11-03993

BNC COAXIAL ANTENNA CONNECTORS FOR RG-400U CABLE
Male P/N 11-01802 Female P/N 11-01803

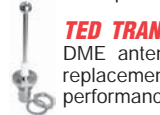


ANTENNA INSULATORS

1 Feed-Thru Insulator for lead-in wire from fixed antenna. Type 4125. 10-32 threads, 3 length tip to tip, 1-9/16 casing. P/N 11-10500
2 Strain Insulator for receiver antenna. P/N 463



WSI WEATHER/SIRIUS RADIO ANTENNA - Operates with all new SI InFlight capable receivers. The antenna receives Sirius Satellite Radio broadcasts to enable the SI weather service. It was designed specifically to suppress interference from ground based signals. Its proprietary design allows for optimum performance while the aircraft is turning. The antenna has been thoroughly tested and meets all of the RTCA DO-160E requirements. P/N 11-05937



TED TRANSPONDER ANTENNA - This monopole transponder/DME antenna meets the same specifications and is a direct replacement for the CI-101 and AV-22 antennas. Excellent performance and value. P/N 11-17995

INTERCOMS

DAVID CLARK DC-COM INTERCOMS

DC-500 is a compact panel mount voice activated intercom. Features include two radio transmit, independent VOX circuit for each station, pilot, co-pilot, passenger isolation, select switch for ATC priority, individual volume and squelch controls, input for au , radio, tape, or CD players, true stereo system with dual channels, VOX override option, solid state electronics, and five year warranty. Includes horizontal or vertical mounting options. Accommodates up to si headset stations. Made in .S.A.
P/N 11-90000.....



DAVID CLARK ISOCOM VOICE ACTIVATED INTERCOM

Superior squelch circuit that eliminates syllable clipping Pilot-Copilot priority override during transmission Provides constant monitoring of Air Traffic Control headset side tone if not supplied through radio control Internally lighted ISOCOM assures clear identification of the volume and squelch controls and on/off switch Transmit indicator light located between the volume and squelch knobs is illuminated when a P-T-T switch is activated for e ternal transmission niversal voltage capability 11-32V that makes it compatible with either 14 or 28 volt electrical systems **Specifications:** • Weight: 0.7lbs • Dimensions: 2.562" x 2.562" x 6.125" with rear connector • Power Requirements: 11-32 VDC, 250 ma. max. • Temperature Range: -15° F to + 150° F • Total Headsets: 6 @ 600 ohms nominal • Total Output Power: 90mw • Lamp Current: 14V 120ma., or 28V 60ma. P/N 11-06002.....

AVCOMM AC-2EX PORTABLE INTERCOM

E pandable, stereo and portable AvComm's new AC-2EX may possibly be the only intercom you will ever need Measuring a mere 5.1 by 2.85, the AC-2EX is designed to produce powerful communications you can depend on. The compact design makes it easy to carry in your flight bag, a feature pilots who rent aircraft will especially appreciate. Need 4 positions Simply add the AC-2XM module to accommodate additional passengers. **FEATURES:** • AVCOMM's Expandable Portable: 2 to 4 place • Rugged compact design • Two 9V batteries with quick access or 12-28V DC power • Stuck mic' indicator • Power-transmit LED • For use with mono or stereo headsets • Pilot priority PTT • Fail safe feature • Wt: 14.1 oz. • Full 3 year factory warranty.
AC-2EX intercomP/N 11-02264.....



MULTICOMM AIRCRAFT INTERCOM

MultiComm is the first complete, fully-integrated multi-function intercom, radio-interface and power supply system for ultralights and light-sport aircraft. ith its unparalleled low-noise operation, rich sound quality and unique operating features, you now - finally - have the cabin sound you always wanted. Includes everything you need to get up-and-running, prewired and plug-and-play. MultiComm has multi-pass active and passive filters in the intercom and power supply to take all the noise out, while optimising the voice band-pass for ma imum speech intelligibility. MultiComm is unique in providing four distinct operating modes to give you independent control over each individual mic's activation for both intercom and radio in a variety of combinations. Radio sidetone feeds your transmitted audio back to your headphones, confirming that you are transmitting as e pected and allowing you to ad just your speech for ma imum effectiveness. P/N 11-05791.....



SMOOTHIE BRICKWALL NOISE FILTER

• Powers radios, intercoms, music players, and all digital gear • Eliminates all the electrical noise from your system • Provides fully-regulated power at your choice of voltage (adjustable) • Protects gear from all forms of power spikes, noise and over-voltage • Prevents in-flight problems including flaky operation and failures • Replaces most outboard power adaptors from other manufacturers • May be used in multi-unit installations

Specs:• Voltage out - 9.6-15.3V (adjustable, regulated within 1%) • Voltage in - 12-16V • Current out - 1.0A continuous, 3.0A intermittent • Size - 3.6 x 2.6 x 1.1 inches • Weight - 4.4 oz

*Note Smoothie is a sophisticated noise filter and secondary voltage regulator - it does not replace the primary regulator used to power mechanical systems and charge the aircraft battery.
P/N 11-05792.....

FLIGHT DATA SYSTEMS AP-60 AUDIO MIXER

An Audio Mi er is Required any time there is more than one Audio Source. This unit mi es and amplifies si audio inputs. Mounts behind the instrument panel. or E ample * Communications Radio Audio * Navigation Radio Audio * EFIS arning Audio * Music Player Audio * Traffic arning Audio **Specifications:** • Au . Audio Input * Compact 2.5 X 3.4 X .6 , Lightweight 2.1 oz * 12-28 Volt Compatible * No Special Tools Required For Installation
P/N 10-03427.....



AIRCRAFT SPRUCE

SKYCOM 2 & 4 PLACE INTERCOMS

Skycom 200 Portable Intercoms measure up 2.25 1.38 2.75 . Features ad ustable volume and squelch, y-adapter for 2 PTT switches uses 9V battery power.
SkyCom 200 2-PlaceP/N 11-11860.....
SkyCom 200 4-PlaceP/N 11-11865.....



SKYCOM 400 PORTABLE INTERCOMS - features dual volume controls, pilot/crew/pass, pilot/co-pilot isolate, au iliary music input 9V battery or cigarette lighter operation.
SkyCom 400 4-Place P/N 11-11875.....

AIRCRAFT SPRUCE ACS-400 4 PLACE PANEL MOUNT INTERCOM

Our own ACS-400 4-pl. panel mount intercom is voice activated and features music input and pilot isolate feature. The ACS-400 can be mounted in horizontal or vertical configuration. A top quality panel mount intercom at a very economical price.
P/N 11-11880.....



PS ENGINEERING PM1000 PANEL MOUNT INTERCOMS

Eliminates clipped words and shouting. Includes individual volume and squelch controls for the pilot and copilot. Independent microphone circuits allow individuals who are speaking to be heard, and keep background noises shut out. Music can be added to the intercom for in-flight entertainment. Automatic muting when the intercom is active, or intercom and radio PM1000II-series ensures uninterrupted communications.

PS Engineering s SoftMute gradually returns the music to the original level when conversation stops. Although monaural, the music fidelity is still e cellent. In most airplanes, you won't notice the lack of stereo separation. The PM1000 is an effective 2-place intercom, with individual volume and squelch controls, while the 4-place PM1000II adds a transmit indicator lamp, and music muting during radio traffic. The PM1000II, 11-11922, has pilot isolate mode that allows the pilot to concentrate on flying, while the passengers en oy music and conversation. The PM1000II with CRE mode P/N 11-11920 allows for separate intercom for the pilot and copilot positions, as well as separate music sources for front and back. The PM1000-series can be e panded using additional units 11-11918 for up to 8 places. A version with a digital recorder will store up to a minute of incoming radio traffic for instantaneous playback. The P/N 11-11909 is specifically designed for ultra-high noise environments, such as open cockpit aircraft. A round mounting plate allows installation in a 2.25 instrument mounting hole. The standard metal faceplate will accommodate horizontal and mounting configurations. Power 14 or 28 VDC Size 1.3 3 5.5 t 10.5 oz. 1-yr warranty if installed by authorized PS Engineering Dealer. Custom wiring harnesses available.

- PM1000II 4-Place Intercom P/N 11-11922.....
- PM1000II-w/ Internal Crew P/N 11-11920.....
- PM1000II-w/Digital Recorder P/N 11-11906.....
- PM1000II-w/Crew Recorder P/N 11-11908.....
- PM1000 2-pl. for dual audio panels..... P/N 11-02553.....
- 6-pl. for e pansion module..... P/N 11-02555.....
- ack Kit 4-Place P/N 11-11910.....

NAV-DATA 4 PLACE INTERCOM



Our Four place intercom is packed with features only found in much more e pensive units.

- * Failsafe feature for pilot in the event of power loss
- * Pilot isolate switch
- * Oprates on one 9 volt battery
- * Ad ustable squelch mute
- * Voice activated VOX
- * Built in push to talk switch
- * Music in / Record out acks

P/N 13-06088.....

AV

INTERCOMS

PS ENGINEERING AEROCOM III



The Aerocom III is a 2-place stereo portable intercom with IntelliVo™, a completely automatic VOX squelch. Each microphone computes the difference between speech and cabin noise. It opens instantly when somebody talks and only the microphone spoken into is active. This prevents unwanted background noise from entering the audio system. Powered by a 9V battery 10 hrs of use or aircraft power. Features low battery alert. By using external push-to-talk buttons not included, both the pilot and copilot positions have the ability to transmit over the aircraft radio. The aerocom III will route stereo music to the headsets through the optional music cable. The music automatically mutes when there is intercom activity or radio traffic. There are two modes controlled by a top-mounted switch. In ALL mode, both positions hear radio communications, music, and have intercom capability. In the ISO mode, only the pilot side is connected to the aircraft radios, without intercom or music distractions. The copilot position continues to have music, and intercom communications with an expansion unit if installed. The aerocom III is expandable to 4-places with the Aerocom EX expansion unit available by special order. This contains separate music input and dedicated IntelliVo™ processors. Specifications Size 4.375 l 3.250 w 1.500 h t 10 Oz. Power 9V batt. or 12/24V aircraft power Battery Life Approx. 10 hrs. Headphone output: 40m w/channel into 150Ω, < 1% THD; ±3dB mic frequency range: 350 Hz to 4500 (to reduce noise); ±3 dB music frequency range: 180 z 15,000 z P/N 11-00427..... E expansion unit adds 2-places P/N 11-01108.....

PM 3000 PANEL MOUNT STEREO INTERCOM



The world's first stereo intercom to be FAA-TSO approved. Available in 4- 6-place versions. The 4-pl. PM3000 P/N 11-11931 features pilot isolate and All reception modes. The PM 3000 6-place P/N 11-00851 intercom includes a CRE mode. In CRE mode, the pilot copilot are on one intercom channel, while passengers have conversation on another. Constant squelch adjustments are eliminated with the PM3000. A single squelch knob controls multiple circuits making the intercom one of the quietest to use, even in the noisiest airplanes. The 6-place PM3000 provides for two independent stereo entertainment inputs. This gives the passengers and the crew each the option to listen to their music device. The PM3000 has an automatic fail-safe interconnect to the aircraft systems. If power to the intercom is disrupted, the pilot's headset is automatically connected to the aircraft radio. With the PM3000 installed, both pilot and copilot have transmit capability over the aircraft radio. A 2-color LED shows green when power is on, and red during radio transmissions. This feature acts as a stuck microphone indication. PM3000 4-Pl. Stereo Intercom w/o digital recorder FAA-TSO 4-pl. panel mount intercom, single music input. Installation hardware includes 4 sets of headset jacks, a music jack and reversible horizontal and vertical metal mounting plate. P/N 11-04843 2-1/4 Mounting plate w/o crew P/N 11-00394 PM3000 6-Pl. Stereo Intercom w/o digital recorder FAA-TSO 6-place panel mount intercom, dual music input. Installation hardware includes 6 sets of headset jacks, 2 music jacks and reversible horizontal and vertical metal mounting plate. P/N 11-00851 2-1/4 Mounting plate w/crew P/N 11-00393 PM3000 4-Pl. Stereo Intercom w/digital rec. P/N 11-02556 PM3000 4-Pl. Stereo Intercom w/digital rec. P/N 11-02557

PM501 PANEL MOUNT INTERCOM



Provides the pilot with standard features along with a few features found in more expensive systems. Features individual power output amplifiers for each headset, true pilot isolate for uninterrupted radio communications, music input with unprecedented high monaural music input, music muting during ICS communications with soft mute for easy listening entertainment, and PS Engineering's top quality squelch circuit. PM 01 Specifications Input power: 11-30VDC; Current Drain: <70mA Audio Output Power: 75m w into 150Ω load per channel. Total 225 m w available! Audio Distortion: <1% at 25 m w into 150Ω load <10% at 75m w into a 150Ω load 3dB Mic Frequency Response: 350 z 6000 z 3dB Music Frequency Response 200 z-15hz Dims 0.90 2.60 4.85 D eight 8.5 oz. P/N 11-11800

PMA4000 PANEL MOUNTED AUDIO PANEL/INTERCOM



Offers the simplicity of IntelliVox™ automatic intercom squelch. Designed with the kit and homebuilt in mind, the PMA4000 has 2 Com and 2 Nav inputs, along with 4 additional unswitched inputs. The PMA4000 is a monaural 4-place intercom. A speaker amplifier is included. The copilot volume control can also be remote controlled, for tandem aircraft. PMA4000 w/Recorder P/N 11-11941 PMA4000 w/o Recorder P/N 11-01634 2-1/4 Mounting plate P/N 11-00395

PM1200 WITH AMP



The PM1200 is a 2-place panel mount intercom designed for the loudest of aircraft. If you fly turboprops or other extremely noisy aircraft, PM1200 is perfect. Incorporating IntelliVo™ with our new Active Mic Processor AMP, the PM1200 dynamically reduces noise inadvertently picked up by the Mic. It also supplies up to 120m of headset audio. P/N 11-01671

SIGTRONICS SCI-4 INTERCOM



The SCI-4 from Sigtronics features dual squelch indicator lights and dual volume and squelch controls to control volume and squelch independently for front and back seats, crew/pilot isolate and pre-wired harness for easy installation. The SCI-4 is RFI and EMI immune and measures only 1 2.5. Includes all hardware and jacks needed for installation. SCI-S4/S6 Intercoms have the same features as SCI-4/6 Intercoms plus music inputs. 5-yr warranty. Made in SA. SCI-4 4-place P/N 11-00027 SCI-6 6-place P/N 11-00028 SCI-S6 Stereo 6-place P/N 11-00425 SCI-S4 Stereo 4-place P/N 11-00424

SIGTRONICS BATTERY POWERED PORTABLE INTERCOMS

5-year warranty and a sure-fit for all students, instructors and aircraft renters. All have a music input and Au output for recording lessons and radio communications. Both pilot and co-pilot positions have PTT jacks. Powered by an internal 9V battery included, good for 40 hours of operation in airplanes lacking a cigarette lighter socket. A 4 Au power adapter is included. When using the power cord, the battery is by-passed, preserving the life of the battery. The 2-place SPO-22, 4-place SPO-42 and 6-place SPO-62 are compatible with all standard aircraft headsets. The 4-place and 6-place models have a satellite box for rear seat positions to keep unwanted headset cords out of the pilot's way. A special IG-NOISE model, perfect for ultra-lights and Kit aircraft, is available in all configurations. It filters out background noise, lowers the input level at mic amp, increases output signal, and mic interface can be modified to interface with Icom radios. Also features a sidetone modification. Made in SA. For 2 People Standard P/N 11-02794 For 2 People High Noise P/N 11-02793 For p To 4 People P/N 10-19115 For p To 4 People High Noise P/N 11-01799 For p To 6 People P/N 11-02798



SIGTRONICS SPORT 200/200S INTERCOM



Optimized for the High Noise Environment. Sigtronics 2-place Sport 200 Sport 200S Intercoms are designed specifically for Light-Sport and Ultralight aircraft. Tested at ambient noise levels of up to 120dB, their Sport series intercoms will outperform all other intercoms on the market. Modes of operation, voice activated squelch and push to intercom perfect for open cockpit aircraft, give the Sport 200 intercoms maximum flexibility and performance. To this they added special internal circuitry to optimize the intercoms for the most demanding high noise environments. Use Satellite Radio, MP3 or CD players as your audio source with stereo headsets for true stereo sound. With full or partial music muting for intercom and full mute for radio reception and transmission, you will be able to enjoy your music and never miss a radio call. Size 1 2.5 4 deep. For even more convenience you can mount the intercoms horizontally or vertically. All hardware including headphone and microphone jacks are included with these easy to install intercoms. Weight 4.5 oz., jacks wiring harness 5.5 oz. Input power 11VDC - 32VDC Current 0.06 am SPORT 200S Stereo panel mount int. P/N 11-02885 SPORT 200 Intercom P/N 11-02884

SIGTRONICS FACE-PLATE OPTION FOR INTERCOMS



This new faceplate fits the Sigtronics SPA-400, SPA-600 and SBD-800 voice-activated panel mount intercoms. Designed to adapt these compact units to the standard 2-1/4 instrument hole, the new printed bezel increases mounting flexibility and customer convenience. Made of durable and lightweight ABS plastic. P/N 11-08500..... Ea.

INTERCOMS

SIGTRONICS MINIATURE PANEL-MOUNTED INTERCOMS



Measuring only 1 2-1/2 4 deep, only 4.5 oz, the SPA-400 and 6-place SPA-600 are FAA TSO d and can be mounted either horizontally or vertically. Also available in special IG -NOISE model SPA-400N for Ultra-lights, and open cockpit aircraft, kit aircraft and warbirds. The se intercoms

allow you to put push-to-intercom buttons in the aircraft to eliminate VOX mode when desired. This is especially good for open-cockpits where wind noise can be a problem. The SPA-400N simulates side-tone because some radios that are currently used in these markets do not have it. The SAS-440 and SAS-640 intercoms feature Sigtronics e clusive Auto-Squelch . One touch of the squelch button and the intercom perfectly sets the squelch level to your headsets and the aircraft noise level. All Sigtronics intercoms are voice activated with a 5-year warranty and operate on any voltage from 12V to 24V. Made in SA.

- 2 Thru 4 ay Standard SPA-400.....P/N 11-02791
- 6 ay Standard SPA-600P/N 11-02801
- 4 ay igh Noise SPA-400N.....P/N 11-02792
- 2 Thru 4 ay Auto Squelch SAS-440.P/N 11-02804
- 6 ay Auto Squelch SAS-640P/N 11-02816
- Retrofit stereo switcher-use with previously installed SPA-400 intercom - RES-401P/N 11-02796

SIGTRONICS SPA-4S STEREO INTERCOM



The SPA-4S is a 2 or 4 place voice activated intercom with inputs for stereo music. It is a small, compact system that allows it to fit in space critical panels. The SPA-4S uses the industry standard Sigtronics squelch, fast on slow off for hands free communication. The music will full mute during ATC communication and partial mute during intercom communication. Each intercom comes complete with all necessary mounting hardware, acks, and two 4-foot pre-wired harnesses. The SPA-4S only requires 1 X 2.5 of panel space, mounts horizontal or vertically, is 4 deep, and weights 5.5 oz. The SPA-4S intercom can easily upgrade the SPA-400. The SPA-4S uses the same panel hole pattern and interface cable as the SPA-400. A second cable is provided for the music inputs and headphone outputs. The SPA-4SN is available for the high noise amateur built aircraft. As with all of Sigtronics products, the SPA-4S is RFI and EMI immune. Power 11-32 VDC.

- Standard SPA-4S..... P/N 11-00567
- igh Noise SPA-4SN P/N 11-00568

PILOT USA PA200 SERIES INTERCOM

PA200 orld's Smallest Portable Intercom. A solid VOX intercom offering clear communications. Adjustable volume control and squelch control allows for easy adjustment for all ambient noise levels. 2 push-to-talk switches can be used with the intercom allowing transmission through the radio. nit is ideal for rental aircraft. PA 200R is also available for motor-sports. FEATURES: •On/Off volume control •Adjustable squelch circuitry •Fail-safe capability •Y-adaptor for 2 push-to-talk switches •Powered by one 9V battery (24 hours) •Size: 2.25" x 1.38" x 2.75" •3-yr unconditional warranty •Wt: 8 oz. (227 grams)

- PA-200T 11-02712 PA-200IK11-11530
- PA-200ET 11-11525 PA-200IC11-03544
- PA e p bo ... 11-03541 PA-200V11-03545
- PA-200TA24. 11-03542 PA-200 D11-03546
- PA-200TA23. 11-03543 PA-200R11-03547



PILOT USA PA400 SERIES INTERCOM

The stereo version PA-400ST intercom is a portable design that has been used successfully in general aviation for over 18 years. No other intercom on the market has the features and capabilities of the PA-400ST intercom.

This particular series has been recently modified to include a cell phone ack for your safety and convenience. Before using in an aircraft we recommend that you take a check-ride in your living room and become familiar with all the features of your new intercom. A hook-up diagram is included in this guide along with brief description of each function and each control setting.

- PA400ST P/N 11-03548



FLIGHTCOM IISX PORTABLE INTERCOM



The IIS is the world's most popular 2-place, portable intercom. The modular design offers e pansion capability to the backseat if needed. * E pandable to 4-place portable with optional SR-4 e pansion module * Au iliary inputs and outputs for music or recording flight information * Low-battery indicator and pilot isolate * ses aircraft power or 9-volt battery Flightcom IISX 2 place

- includes: • IISX Intercom • Cigarette lighter adapter • Co-pilot transmit cable Flightcom IISX 4 place includes: • All parts in the 2 place • SR-4 e pansion module
- Flightcom IISX 2 Place.....P/N 11-08700.....
- Flightcom IISX 4 Place.....P/N 11-08710.....
- SR-4 Remote E pansion module.....P/N 11-04260.....

FLIGHTCOM 403D PANEL MOUNT STEREO INTERCOM



Stereo intercom features include 6-place capability, instant music muting, and pilot isolate so you could focus on your flight and eliminate backseat chatter. * 3-place transmit capability * Easy to ad ust squelch and volume controls * Instant music muting, pilot isolate Specifications * eight 5 oz * Length 5 * idth 2.4 * eight 1.2 in * Not TSO D * Two-year warranty Flightcom 403 intercom includes * 403 Intercom * Connector kit * 6 place stereo ack kit * 2-1/4 hole face plate vertical/horizontal face plates Switches are provided in installation kit to allow individual headphone positions to select either stereo or mono mode, allowing the use of monaural headsets

- 403 w/o recorder w/ ack kitP/N 11-17605.....
- Stereo input and output ack kit.....P/N 11-18755.....

FLIGHTCOM 403MC PANEL MOUNT INTERCOM



The 403 is a 6-place panel mount, voice-activated stereo intercom. This easy to use intercom is designed to fit almost anywhere in the panel. Includes * 403MC Intercom * Connector kit * 4 place mono ack kit. Features * 3-position transmit capability * Selectable muting and pilot isolate * Au iliary input for music or alerts * Rectangular faceplate can be mounted horizontally or vertically Specifications * eight 3.6 oz * Length 2.62 in * idth 2.37 in * eight 1 in * Not TSO D * Power requirement 12-28 VDC * Two-year warrantyP/N 11-08755.....

COM INTERCOM



The XCOM Intercom is a state-of-the-art, digitally controlled, intercom system suitable for nearly every 2 or 4 place aircraft. The XCOM Intercom features a full VOX Voice Activated intercom with second com ability, music input with muting and the ability to use different branded headsets without compatibility issues. The XCOM Intercom was originally designed for the Microair, Filser, Dittell and Becker aircraft radios but it has now been successfully mated to the leading handhelds as well as panel-mounted lcom, Narco, King and the like. Measuring only 2-1/8 1 3-7/8 or 53 24 100mm and with a panel size of only 1 2 1/8 53 24mm , it's one of the smallest and lightest intercoms in the world and only draws 60 ma at 14 V during operation. Mount horizontally or vertically. The XCOM Intercom has no voice clipping it's truly instant on / slow off. Nothing is lost in conversation between the pilot and passengers and the digital voice control provides clear and crisp communication at all times. The XCOM Intercom monitors and reduces background noise when the voice circuit is open and the noise in the cockpit is greatly reduced during conversation or transmission. One simple DB15 connector is all thats needed to control the XCOM Intercom, on top of the Intercom is the RS-232 port for future software updates. 2 com inputs cater for a primary airband com and a secondary V F, F or Marine band transceiver. Additional input for CD player, FM Radio or MP3 player is available with auto muting to enable seamless communication in the cockpit. Selecting the Pilot Isolate feature allows the pilot to only hear his com radio and the co-pilot passengers can continue talking and listening to the CD music without being interrupted by airways chatter. Landing gear, stall and GPS warnings can all be configured for input to the intercom unit so that they are audible through the headsets. Voltage 10-30 VDC. 2 yr warranty. P/N 11-02207

FLIGHTTECH ITC-2004 ENRI 4-PLACE INTERCOM



4 place portable intercom with pilot isolate capability. Features E clusive Electronic Noise Reduction circuits. p to 110db of Noise Reduction. Continues Audio, No missed Syllables or ords. Built-in Cellular Phone Interface, includes patch cable. Pilot/ All Switch. 9 Volt Battery or E ternal DC Operation, Cigarette Lighter Adaptor included. Au iliary Stereo Audio Input with Radio Mute and Intercom Audio Mute. Light weight, 10 oz. Push-to-Talk Button for Keying the Comm Radio. Pilot and CoPilot Radio PTT acks. Small Size 5.5 1.5 3.2 Three ear arranty....P/N 11-17669.....

INTERCOMS



FLIGHTTECH ITC-401-ENRI PORTABLE INTERCOM

The ITC-401-ENRI 2-place intercom features the Enhanced Noise Reduction Intercoms circuit in a basic, small package. With ENRI, the problems common with voice activated intercoms are eliminated. There are no squelch controls to adjust, no automatic squelch circuits that keep changing levels, only one single volume control. ENRI continuously monitors background noise picked up by the headset microphone and eliminates it, even while talking. Excellent for open cockpit aircraft. 9V Battery Operation • Pilot/All Switch • Available with cable and standard plugs or ICOM A-22, A3 and A4 Cable & Plug • 3 year warranty • 4" L x 2.5" W x 1.5" D.

ITC-401-23 - Plugs directly into Icom A5 23 with out the need for additional cables P/N 11-01005

ITC-401/1-ENRI - Plugs into Icom A22, A3, A4 with out need for additional cables P/N 11-00825



FLIGHTTECH ITC-2003-ENRI REMOTE PANEL MOUNT INTERCOM

The ITC-2003-ENRI features ENRI technology, a unique design, a small panel control unit and a remote intercom unit. The small control panel consisting of a Volume control and a Pilot/All switch measures only 1 w 1.3 d 1 h. The second part, the intercom unit is only 4.6 3.1 1.7 and included mounting tabs. Because of D.C. switching and control between the panel control and the intercom, the mounting location is not critical. Simply mount the intercom unit in an easy to reach location, run cables to the headphone jacks, power and a small signal conductor cable to the panel control unit. The Electronic Noise Reduction feature is exclusive to FlightTech Intercoms and allows for quiet communications without the background noise common to Voice Operated Squelch controlled intercom. With ENRI, the microphones are active at all times, ENRI monitors the background noise and eliminates it allowing only the headset user's voice to pass. Power 12V or 24V P/N 11-00172

with preassembled 2-place cable. P/N 11-00822

FLIGHTTECH MINIVOX PORTABLE INTERCOM

The MiniVOX two place portable intercom is designed for the student pilot and renter pilot requiring a basic low cost voice operated intercom. Measuring 4 2.5 1.5, the MiniVOX features adjustable Squelch and Volume controls, on-board Push-To-Talk button and up to 25 hours of operation from a 9V battery. Ease of operation, long battery life and a small size make the the new MiniVOX an ideal entry level intercom. Weighs less than 10 oz. Made in the USA. P/N 11-02126



FLIGHTTECH ITC-401TC INTERCOM

ITC-401TC is different from the rest of the ITC-401 series in that the Noise Reduction control is located on the front of the intercom, rather than an internal Set and Forget adjustment. The ITC-401TC is available in versions with cables and plugs for panel mount jacks as well as handheld radios and they include the following ITC-401TC, Standard cable and plugs for panel jacks P/N 11-03201

ITC-401TC-1, Cable and plugs for the ICOM, A22, A3, A24, A4 P/N 11-03202

ITC-401TC-23, Cable plug for the ICOM A23 A5 P/N 11-03203



FLIGHTTECH ITC-2001-ENRI 2PLACE PORTABLE STEREO INTERCOM

Ideal for the renter pilot or as a permanent intercom without the installation concerns associated with a panel mount intercom. Features Exclusive Electronic Noise Reduction circuits. Up to 110db of Noise Reduction. Continues Audio, No missed Syllables or words. Built-in Cellular Phone Interface, includes patch cable. ENRI Pilot/All Switch. Specifications 9 Volt Battery or External DC Operation, Cigarette Lighter Adaptor included. Auxiliary Stereo Audio Input with Radio Mute and Intercom Audio Mute. Light weight, 10 oz. Push-to-Talk Button for Keying the Comm Radio. Pilot and CoPilot Radio PTT jacks. Small Size 5.5 1.5 3.2 Three ear arrangement.

| Me | Description | Part No. | Price |
|--------------------------------------|---|----------|-------|
| Electronic Noise Reduction Intercoms | | | |
| ITC-2001-ENRI | 2-place portable intercom w/ENRI | 11-17668 | . |
| ITC-402P-ENRI | Same as above but w/ cables and jacks | 11-00926 | . |
| ITC-404SP-ENRI | 4-place stereo intercom panel mount | 11-01354 | . |
| ITC-2001-1 | 2 Place Intercom for use with ICOM A22, A24 AND A6 Radios | 11-07010 | . |
| Me | Description | Part No. | Price |
| Pre-Assembled Cables | | | |
| ITC-404S-P | 2-place Cable | 11-01377 | . |
| ITC-404S-P | 4-place Cable | 11-01378 | . |
| ITC-2003 | 2-place Cable | 11-01379 | . |
| ITC-2003 | 4-place Cable | 11-01380 | . |
| ITC-404S-P | Interface Cable | 11-01381 | . |

SOFTCOMM PANEL MOUNT INTERCOMS



ATC-2P 2-passenger, ATC-4P 4-passenger ATC-6P 6-passenger panel-mounted intercoms are so compact that they fit most anywhere in the aircraft's panel. Designed to mount either horizontally or vertically, these panel-mounted intercoms will fit in any homebuilt, business aircraft, or general aviation aircraft in production today, and offer stereo or mono sound. The panel-mounted intercom has an exclusive Softcomm feature of a back-up battery 9V that affords power to the Intercom when the aircraft's master power is shut off or fails in flight. The battery is automatically switched off when aircraft power is present and on when absent. The panel-mounted intercom offers SoftComm's features of Recorder-In and Recorder-Out. A miniature remote audio panel houses this feature and can be located anywhere the pilot prefers. This allows recording of clearances, flight lessons, enroute weather and flight events. The ATC-2P, ATC-4P, ATC-6P panel-mounted intercoms come complete with mounting instructions, wiring diagrams, all required microphone and headphone jacks, audio recorder jacks, and bi-directional mounted nomenclature plates. These intercoms are supplied with pre-tested 8 ft. cable assembly terminated into a DB25 pin connector. Size 1 h 2.5 w 6 d. Power 12Vdc. 16.25oz., 3yr warranty.

| | | | |
|---------|-------------------------|--------------|---|
| ATC-2P | 2-Place Intercom mono | P/N 11-11812 | . |
| ATC-2PS | 2-Place Intercom stereo | P/N 11-02216 | . |
| ATC-4P | 4-Place Intercom mono | P/N 11-11822 | . |
| ATC-4PS | 4-Place Intercom mono | P/N ATC-4PS | . |
| ATC-6P | 6-Place Intercom mono | P/N 11-11824 | . |
| ATC-4PS | 4-Place Intercom stereo | P/N 11-11805 | . |
| ATC-6PS | 6-Place Intercom stereo | P/N 11-11807 | . |



ITC-402P/404S-P PANEL MOUNT INTERCOMS WITH ENRI

The ITC-402P Enhanced Noise Reduction Intercom is a small, easy to install intercom designed for the pilot who flies a two or four place aircraft. Featuring single control volume control operation, the pilot and passenger can enjoy quiet communications on those long cross country trips. The ITC-402P includes a stereo auxiliary audio input. To prevent missing ATC communications, the music is muted when either audio from the communication radio is present or there is intercom audio. The new ITC-404S-P has full auxiliary Stereo In and Stereo Out, with dual function muting. Features:

- Enhanced Noise Reduction Technology • No Squelch circuits or controls
- Size: 2.1" w x 1.2" h x 3.1" l • Single Volume Control Operation • Pilot/All Isolation Switch • Pilot and Copilot Push-to-Talk Switch Inputs • Stereo Music Input w/Muting • 12 to 28VDC operation. • Cellular Phone interface, include phone cable.

| Me | Description | Part No. | Price |
|--------------------------------------|---|----------|-------|
| Electronic Noise Reduction Intercoms | | | |
| ITC-404SP | 2-place portable intercom w/ENRI w/ cables and jacks | 11-00926 | . |
| ITC-404SP | 4-place stereo intercom panel mount Note: will not work w/ the unamplified dynamic mic. | 11-01354 | . |

SOFTCOMM PORTABLE INTERCOMS



These top quality, economical intercom systems are perfect for any type aircraft and are compatible with any standard headset. Features include automatic on/off power, panel controls for volume and gain and a pilot isolate switch ATC-4 only. The intercoms are 9V DC portable or panel mountable with pilot and copilot transmit as a standard feature. These intercoms can be used with other equipment to record instructions or play cassette music. The new model of the ATC-2 has reduced size and weight, and a front-panel mounted PTT switch. The improved ATC-4 and ATC-6 also have a new dual transmit design. All units have auxiliary power cord and stereo cable. With pilot isolate and push-to-talk switch. Model ATC-2T is a 2-place portable intercom designed for the student pilot. It has a recording feature that allows all CFI and ATC instruction to be recorded on a standard cassette player for future study. It is 9V battery powered and is compatible with all general aviation headsets and radios.

| | | |
|--------------------------------|--------------|---|
| 2-Place Portable mono ATC-2 | P/N 11-05818 | . |
| 4-Place Portable mono ATC-4 | P/N 11-05819 | . |
| 4-Place Portable stereo ATC-4S | P/N 11-05905 | . |

SOFTCOMM INTERCOMS FOR ULTRALIGHTS



These Softcomm Intercoms are specially designed to operate with today's transceivers in mind. The ATC-2L models are full featured intercoms with Record-In and Record-out, a PTT switch mounted in the face plate and a AUX power input for using aircraft power instead of the 9 VDC battery supply. Listen to CB's, CD players and AM/FM radios while in flight. Features music MUTE circuit, volume control and squelch adjustment. Housed in a rugged ABS case with a space for 2 batteries, these intercoms are compact and fully portable.

| Me | Description | P/N | Price |
|------------|------------------------------------|----------|-------|
| ATC-2L-A23 | Icom IC-A23 IC-A5 | 11-02217 | . |
| ATC-2L-A20 | Icom Delcom and Bendix King radios | 11-07700 | . |
| ATC-2L-A22 | Icom's A-22 compact transceiver | 11-07710 | . |
| ATC-2L-A4 | Icom's A-4 low-cost radio | 11-07715 | . |

BOSE AVIATION HEADSET X



Enjoy full-spectrum noise reduction, comfortable fit and clearer reception when you fly with the Bose Aviation headset X. Thanks to proprietary TriPort headset technology, this unique combination of benefits is available in one lightweight headset. The redesigned control module and greater usability make the 1 headset choice of many pilots and military personnel even better.

BOSE® TECHNOLOGY MAKES THE DIFFERENCE - Most active noise reduction headsets require large earcups and considerable headband force to muffle aircraft noise. Through 25 years of research, Bose has developed a better solution: TriPort headset technology. This patented innovation enables a smaller, more comfortable headset that delivers full-spectrum noise reduction.

Acoustic Noise Cancelling headset technology contributes to this high level of noise reduction. It monitors sound at the ear, identifies unwanted noise and creates an out-of-phase signal to reduce it. Their active equalization circuitry also delivers clean, full sound that improves the intelligibility of radio and intercom audio. In fact, U.S. Air Force tests with Bose headsets achieved intelligibility scores of 95% at 115db compared to 80% for conventional headsets.

AT BOSE, A COMFORTABLE FIT IS MISSION CRITICAL - Whether you're a general aviator or helicopter pilot, comfort counts. That's why Bose designed the headset X with 50% less clamping force than most active noise reduction headsets. The solid magnesium headband is extremely lightweight yet durable. The sheepskin cushion eliminates hot spots, and soft, padded ear cushions provide an effective seal even over glasses. The result is superior noise reduction in a comfortable headset that weighs only 12 oz.

LONGER, SMARTER BATTERY LIFE - Proprietary AdaptiSense™ headset technology allows at least 40 hours use from just 2 AA batteries. It supplies power as needed, detects when you've stopped wearing the headset and automatically shuts off the active electronics. Plus, the new tri-color indicator provides real-time battery status.

FOCUS ON YOUR FLIGHT, NOT YOUR HEADSET CONTROLS - The redesigned control module is 30% smaller than the previous version and even easier to use. Its slim design puts all functions - including dual thumbwheel volume controls - within easy reach. The improved boom microphone design enables smoother, more precise adjustments. Experience the full-spectrum noise reduction, comfort and clearer communication of Aviation headset X. Choose the configuration that best fits your flight needs: an installed version or one of two portable options.



KEY FEATURES:

TriPort headset technology Proprietary Bose technology utilizes three small ports in the earcups to produce a rich audio performance that's remarkable for headphones this small. Enjoy clearer communications from a headset that stays comfortable on long flights.

Acoustic Noise Cancelling headset technology Only from Bose, this patented technology electronically identifies and reduces unwanted noise, allowing improved intelligibility of radio and intercom audio. The continuous roar of flying is reduced, so your concentration is improved.

AdaptiSense headset technology Sophisticated electronics monitor current demand and instantaneously adjust the voltage to maintain maximum performance. Smart shutoff detects when you've stopped using the headset for even greater battery life - up to 40 hours from just two AA batteries. Applies to portable version only.



BOSE HEADSET X PRICING

| Description | Part No. | Price |
|---|----------|-------|
| Portable Batt. Pk Twin Plug, Straight Cord | 11-01834 | . |
| Portable Batt. Pk Twin Plug, Coil Cord | 11-01835 | . |
| Panel Powered with Straight Cord | 11-01836 | . |
| Panel Powered with Coil Cord | 11-01837 | . |
| Port. batt. pk hdst w/helicopter plugs elec mic for commercial/civilian use | 11-02822 | . |
| Portable batt. pk headset w/helicopter plugs dyn mic for military use | 11-02832 | . |

CABLE ASSEMBLIES & PARTS

| Description | Part No. | Price |
|--|----------|-------|
| Portable Batt. Pk Electret Mic, Straight cord, Twin Plug | 11-01839 | . |
| Portable Batt. Pk Electret Mic, Twin Plug, Coil Cord | 11-01840 | . |
| Installed Electret Mic, Straight Cord | 11-01841 | . |
| Installed Electret Mic, Coil Cord | 11-01842 | . |
| Portable Batt. Pk Electret Mic, Coil Cord, -174 plug | 11-01843 | . |
| Portable Batt. Pk Dynamic Mic, Coil Cord, -174 plug | 11-01844 | . |
| Installed Dynamic Mic, Coil Cord | 11-01845 | . |
| Aircraft panel installation kit | 11-01846 | . |
| Bose replacement earseals | 11-02783 | . |
| Bose Boom Mic Inscreen Replacement | 11-04846 | . |
| Bose headband Cushion Kit | 11-04845 | . |

CLARITY ALOFT HEADSET

Designed to improve both hearing protection and speech communications. Each earpiece includes a miniature speaker that reproduces speech signals from the aircraft audio system. The replaceable compliant foam tips attach to the earpiece and contain a pathway for the sound to travel from the transducer to the ear. Provides the highest level of hearing protection available by any method including active noise reduction. ANR The noise-canceling microphone is a high fidelity noise canceling Electret Condenser microphone. Include a Push-to-Talk button in the Volume control knob. This button could also be used as a backup in case of other system failures. Balance and comfort are the result of its elegantly simple design. P/N 11-02923.....

CLARITY ALOFT PRO HEADSET

All the features you'll love from the original with TSO Certification and additional features like Music Input. Equipped with a music input in the volume control knob that will accommodate most music devices through a 1/8 inch plug. Adjustment band. Some people prefer a closer fit, an adjustment band is included in your purchase. The adjustment band is a flexible band that slips over the back of the headset frame and tightens with toggles at each end. P/N 11-05794.....

LIGHTSPEED MACH 1 HEADSET

Designed without any of the traditional boundaries of headset implementation, the Mach1 series of headsets is designed by simplifying the concept of an Aviation headset. Based on new In-the-Ear ITE technologies, utilizing advancements in Ear Plug attenuation and comfort, artisan crafted custom ear molds, and new ultra small speakers and noise-canceling microphones, the Mach1 series weighs less than an ounce, delivers crystal clear audio communication, a stable face-contouring fit, and over-the-ear support. Features: • Lightweight: Magnesium Alloy Construction Makes This Product Incredibly Lightweight Yet Rugged and Durable • Replaceable Foam Plugs Comes Standard with Patented MATRIX™ No Roll Foam Ear Plugs by a Lightweight. Other Plugs Available For Optimal Customer Fit and Performance. • Optional: Sensaphonics sound-isolating custom soft gel silicone ear plugs. • Stereo Hi-Fidelity Sound: For Maximum Music and Speech Reproduction • Music Interface: Plug in a Portable CD Player, or Any Digital Music Player with powered amplifier. (utilizes lithium disk battery) • Cell/Satellite Phone Interface: Make a Call Using Your Headset • "Pilot Isolate" For Conversation Privacy When Cell Phone is in Use • 5-Year Warranty

| Description | Part No. | Price |
|---|----------|-------|
| Lightspeed Mach 1 Headset | 11-03606 | . |
| Lightspeed Mach 1C Headset (custom soft gel silicone ear plugs as well as the originals) | 11-05622 | . |
| Lightspeed Mach 1S Headset, Includes Custom Ear Molds, Single-Sided Solution for The Executive et Pilot | 11-05890 | . |

AV

LIGHTSPEED HEADSETS

ZULU HEADSET BY LIGHTSPEED



Not just the best headset Lightspeed has made, it is the most popular Lightspeed ANR headset. Made with magnesium, stainless steel, and four types of composite plastics, it's extremely durable and yet weighs just over 13 ounces. Inside the headband is a core of thin, flexible spring steel. Lustrous, soft leather surrounds extra wide ear seals made from temperature sensitive foam. Calibrated magnesium sliders adjust ergonomically to accommodate your exact head size with uniform pressure. The vented headpad evenly distributes the weight of the headset. All wiring is fully concealed using patented design features, and it folds flat for easy storage. Bluetooth allows Zulu to connect wirelessly with your cell phone, MP3 player, or other compatible device. richness of Zulu's FRC audio system. Fortunately, our design team included musicians and audiophiles. Setting a new standard for clarity, fidelity, comfort, and quiet. From the start we intended to set a new standard in clarity and fidelity. Here are just a few of the premium components we insisted on:

- Gold contacts for all wire connections
- High Grade audio quality film capacitors are used throughout the signal path.

| Description | Part No. | Price |
|--|----------|-------|
| ulu-Circumaural, ANR, Portable, Straight Cord, Standard GA Plugs | 11-05617 | . |
| ulu-Circumaural, ANR, Panel Power, Straight Cord, Single Lemo Connector For panel install kit use PN 11-01846 | 11-05913 | . |
| ulu-Circumaural, ANR, Panel Power, Helicopter coil cord, Single Lemo Connector | 11-05914 | . |
| ulu-Circumaural, ANR, Portable, Helicopter coil cord, Single -74 Plug | 11-05915 | . |
| ulu-Circumaural, ANR, Portable, Helicopter coil cord, Standard Dual GA Plugs | 11-07553 | . |
| Accessories | Part No. | Price |
| Panel install kit | 11-01846 | . |

THIRTY-3G HEADSETS



FEATURES: • Cell/Satellite Phone Interface Patented AES™ Auto Shut-Off Powers Down the Active Electronics if System is Left Unattended • Battery Status Indicator • ANR Power for up to 30 Hours on just Two AA Batteries • Auxiliary Audio Interface for Music or Audible Checklist/Warnings • Personal Side-Tone E with Bass and/or Treble Boosting • Dual Volume Controls, Stereo or Mono switchable • Adjustable Gain Pre-amp Allowing for Field Balancing

of Mic Sensitivities • Temperature Sensitive Confor-Foam™ Ear Seals • Weighs Under 16 Ounces • Panel Power Option Available • 5-Year Warranty • Padded Headset Bag, Mic Wind Screen, and Batteries Included
Thirty-3G ANR headset..... P/N 11-01614.....
Thirty-3G ANR headset panel powered..... P/N 11-02644.....

NEW FEATURES: • New battery holster and clip All 3G headsets now include a plastic holster and metal clip to help keep the control box positioned on the map pocket, shirt pocket, or other location.
• New battery holster Lightspeed has redesigned the 3G battery box to incorporate the following changes: *Mechanical power switch with increased throw and mechanical/audible on/off feedback *Re-positioned battery indicator LED. Moved from under power switch. *Re-positioned the Stereo/Mono switch. Relocated to inside the battery compartment *Improved battery securing hardware

20XLC HEADSET

22-24dB of Active Cancellation
12-22dB of Passive Attenuation

FEATURES: • Cell phone interface • Patented AES Auto Shut-Off powers down the active electronics if system is left unattended • Small in-line battery control box • Battery status indicator • ANR Power for more than 50 hours on just 2 AA Batteries • Auxiliary audio interface for music or audible checklist/warnings • Dual volume controls, stereo, or mono-switchable •

Soft 1-1/2" thick temperature Sensitive Confor-Foam Ear Seals • Weighs under 16oz.

20XLC headset P/N 11-02647

LIGHTSPEED QFR SERIES HEADSETS

The FR headsets give you industry leading attenuation affordability. The breakthrough ear cup design achieves an industry-best NRR of 28dB of passive noise reduction. While a new kind of ANR circuitry crushes another 12-14 dB of engine noise.

FR Series Standard Features

- Reversible boom allowing for left or right side operation
- Adjustable gain pre-amp allowing for field balancing of mic sensitivities
- 3 year warranty

FR SOLO/C HEADSET

• At 28.7 NRR, it is 3dB quieter than the next closest models and 5-7dB better than most on the market. • Lightweight, under 12 oz. • Low profile, padded headband allows for hrs of comfortable wear in constricted cabins. • Cell / satellite phone interface • Closed cell foam padded ear seals. • Padded headset bag, mic wind screen.

P/N 11-02651.....



QFR SOLO SSC HEADSET

The quietest, most comfortable passive headset ever offered: • Cell/satellite phone interface • Confor-Foam™ Padded Ear Seals • Soft plush headpad • Lightweight: under 12oz • Gentex® noise cancelling microphone • Adjustable gain pre-amp allowing for field Balancing of mic sensitivities • Enhanced audio reproduction for greater intelligibility • Dual volume controls, stereo or mono switchable • Reversible boom allowing for left or right side operation • Helicopter version available • 3-yr warranty • Padded headset bag, mic wind screen, batteries included.

P/N 11-02650.....



QFRXC ANR HEADSET

10-12 dB of Active Cancellation
24-26 dB of Passive Attenuation

• Cell/satellite phone interface • Patented AES™ Auto Shut-Off powers down the active electronics if system is left unattended • Small in-line battery control box • Battery status indicator • 2 AA batteries provide 25 hours of operation • Auxiliary audio interface for music or audible checklist/warnings • Dual volume controls, stereo or mono switchable • Adjustable gain pre-amp allowing for field 'Balancing' of Mic Sensitivities • Reversible boom allowing for left or right side operation • Confor-Foam™ padded ear seals • Soft plush headpad • Helicopter version available • 3-yr Warranty • Padded headset bag, mic Wind Screen, batteries included

P/N 11-02649.....



LIGHTSPEED HEADSET ACCESSORIES



PN 11-01988



PN 11-01987

3G SERIES ACCESSORIES

| Description | P/N | Price |
|----------------------|----------|-------|
| 1 Soft Leather Seals | 11-01987 | . |
| 1.5 XL soft seals | 11-01988 | . |
| Music Patch Cord | 11-01989 | . |
| Cell Patch Cord | 11-01990 | . |

XL SERIES ACCESSORIES

| Description | P/N | Price |
|----------------|----------|-------|
| 1.5 Soft Seals | 11-01988 | . |

QFR & SKYCOM SERIES ACCESSORIES

| Description | P/N | Price |
|--------------------------|----------|-------|
| 0.75 Comfort Seals | 11-01284 | . |
| Replacement Stock Seals | 11-01995 | . |
| Replaced Comfort headpad | 11-07555 | . |
| Gel Seals | 11-07556 | . |

HEADSET ACCESSORIES

| Description | P/N | Price |
|-------------------------|----------|-------|
| Mic Wind Screen | 11-00358 | . |
| Dual headset flight bag | 11-01996 | . |
| A-144 Ear Seals | 11-05785 | . |

HEADSETS

AIRCRAFT SPRUCE SKYCOM & SKYPRO HEADSETS



SKYCOM II SERIES - Offer a family of products with a different look, fit and performance from the traditional headset design. While >30% lighter in overall weight, they offer better quieting with greater comfort and user features. They were designed around the best hearing protectors offered in the Industrial Safety world to offer maximum passive noise reduction. The thin, flexible wireframe headband design easily contours to your head, limiting clamping pressure yet maintains a very low profile for canopy clearance. The earseal system offers a larger ear opening with numerous options for type of seal available. The Boom mounts under the cup and is reversible for use on both sides.

All models include dual volume controls, Electret N/C mics with adjustable gain, Stereo/Mono compatibility, a carry bag, and a 3 year warranty. Model-specific features include Cellphone interface, and stereo music interface with muting, and ANR performance with a convenient small/inline, 2 AA battery solution.

Skycom II 11 Oz, 24 dB, 3 yr Warr..... P/N 11-02658.....
SkyPro II with Cell interface..... P/N 11-02660.....
Skycom II ANR Cell/Music w/muting..... P/N 11-02659.....



SKYCOM I SERIES - as first offered over 10 years ago and is designed around the traditional, oval-shaped headset design used for over 40 years in aviation. It features a steel headband, large headpad, and metal yoke/pivot system. Earseals mount around a protruded flange and are easily replaceable. The reversible boom mounts on the side of the cup and offers two styles on the models offered.

All models offer electrets N/C mics and warranties range from 1-3 years. The ANR model offers over 15dB of additional cancellation using a detachable 9 volt battery module

Skycom 40-A 18 oz, 24 dB, 1 yr Warr..... P/N 11-09099.....
Skycom 80-A 18 oz, 23 dB, 1 yr Warr..... P/N 11-02214.....
Skycom ANR: >15 dB ANR, 3 yr Warr..... P/N 11-09098.....

SET OF 2

Skycom 40-A 18 oz, 24 dB, 1 yr Warr..... P/N 11-09099.....
Skycom ANR: >15 dB ANR, 3 yr Warr..... P/N 11-09098.....

REPLACEMENT EAR SEALS

These seals fit SK COM 40A, SK COM ANR, and SK PRO 80A headsets.

Replacement Gel Ear Seals..... P/N 11-04680..... /pr.
Replacement Foam Ear Seals..... P/N 11-04681..... /pr.

HEADSET/INTERCOM PACKAGES

AIRCRAFT SPRUCE SKYCOM PACKAGE #1

• 2 Skycom H-40A Headsets • 1 Skycom 400 Intercom (portable) • Headset Bag • Push-To-Talk Switch..... P/N 11-11885.....

AIRCRAFT SPRUCE SKYPRO PACKAGE #2

• 2 Sky Pro Headsets • 1 Skycom 400 Intercom (portable) • Headset Bag • Push-To-Talk Switch..... P/N 11-11890.....

SEE PREVIOUS PAGE FOR LIGHTSPEED ACCESSORIES.



SIGTRONICS S-AR HEADSET

The S-AR headset protects your hearing switched on or off. With S-AR switched on you hear a major reduction in low frequency noise. Radio transmissions that are weak and garbled on passive headsets will sound strong and clear with an S-AR headset. Features up to 19 db of active noise reduction, air foam head pad cushion that virtually eliminates hot spots, ultra-deep gel ear seals for comfort and ease of use and custom flexible boom for perfect mic placement. Sigtronics exclusive Stop-Break high flex cord and RFI and EMI free electronics make the S-AR ideal for pilots who want a high performance mono/stereo headset. A battery power module 9V with belt clip and custom headset bag are included with all S-AR headsets. P/N 11-00859.....

SIGTRONICS S-8 HEADSET



Eliminate scratching the top of your canopy by using the Sigtronics S-8 headset. features a behind the head headband with quick adjust velcro strap that fits the shape of your head, a flexible boom and gel ear seals. The S-8 has a passive noise reduction rating of 24 dB. 5 year warranty. P/N 11-00645.....

SIGTRONICS HIGH PERFORMANCE HEADSETS



All Sigtronics headsets and intercoms are specifically designed for high-noise environments and are RFI and EMI immune, giving you clear, interference-free transmission even in fabric or composite aircraft or in use with handheld radios.

SERIES 8 HEADSETS

8 Series superlight headsets are full-size quality headsets available at just 11.9 oz., delivering comfort, and performance. A new lightweight, custom flexible boom stays where you put it, even in the roughest conditions.

S-58 features new, durable, non-glare powder-coated black hardware and Sigtronics sky-blue earcups. The new ergonomic headpad and custom fit gel seals deliver comfort and eliminate hot-spots. A new microphone configuration cancels unwanted noise before it can get into the system. Sigtronics 5-year warranty, custom padded bag, easy-grab volume controls, ultra foam windscreens, exclusive clothing clip are included. t. 11.9 oz. Flexible boom.

Mono..... P/N 11-19105.....
Stereo..... P/N 11-02803.....
elicopter..... P/N 11-02813.....

S-68 headsets include all of the S-58 features plus high-performance black earcups and 14K Gold Plated hardware. P/N 11-19125.....

Stereo..... P/N 11-02805.....
elicopter..... P/N 11-02815.....



SIGTRONICS S-40 is a high performance headset featuring an electret microphone, and fully articulating mike boom with full swivel action. The S-40 offers dual volume controls and soft, pliable polyurethane ear cushions for optimum comfort. The S-40 weighs 16 oz. It is made in the U.S.A. and carries a 3-year factory warranty. Earcups are royal blue. The S-40-S only has dual volume controls stereo

P/N 11-02795.....
Stereo..... P/N 11-02809.....
elicopter..... P/N 11-02213.....



S-45 series headsets are the same as the S-40 headset, except they have airflow headpads and gel earseals for maximum comfort. P/N 11-02797.....

elicopter..... P/N 11-02810.....
Stereo..... P/N 11-02811.....



S-20 incorporates the M-80 microphone, designed specifically for use in high noise environments with its excellent noise canceling properties. The microphone gain is set to operate over a wider range of aircraft radios, even handheld - the ultimate test.

S-20 headset..... P/N 11-02799.....

SIGTRONICS HEADSET ACCESSORIES



Electret Mic Muff..... P/N 900084.....
Foam Ear Seals..... P/N 100369.....
Shirt Clip..... P/N 11-04368.....

P/N 11-04368

SIGTRONICS HEADSET/INTERCOM COMBOS

SIGTRONICS 2-PLACE COMBOS - Includes 2 Sigtronics S-40 headsets, 1 SPO-22 2 place intercom, push-to-talk switch, comfort covers for headsets.

Combo 1 w/S-40 headsets..... P/N 11-16929.....
Combo 1A w/S-58 headsets..... P/N 11-00037.....

SIGTRONICS 4-PLACE COMBOS - Includes two Sigtronics S-40 headsets, SPO-42 4 place intercom, push-to-talk switch, comfort covers for headsets.

Combo 2 w/S-40 headsets..... P/N 11-16930.....
Combo 2A w/S-58 headsets..... P/N 11-00038.....

SIGTRONICS PANEL MOUNT COMBOS - Same as Combo 2 except substitute SPA-400 panel mount intercom for SPO-42 portable intercom.

Combo 3 w/S-40 headsets..... P/N 11-16931.....
Combo 3A w/S-58 headsets..... P/N 11-00039.....

SIGTRONICS SPO-22N PORTABLE INTERCOM COMBO - Combo 4 includes 2 S-20 headsets, SPO-22N Battery powered portable intercom and headset intercom bag..... P/N 11-04655.....

Combo 4A includes 2 S-58 headsets, SPO-22N Battery powered intercom, and headset/intercom bag..... P/N 11-04656.....

SIGTRONICS SPORT 200 PANEL MOUNT INTERCOM COMBO

Combo 5 includes 2 S-20 headsets, Sport 200 Panel Mount Intercoms and headset/intercom bag. P/N 11-04653.....

Combo 5A includes 2 S-58 headsets, Sport 200 Panel Mount Intercom, and headset/intercom bag... P/N 11-04654.....

CALL FOR SPECIAL PRICES

AV

DAVID CLARK HEADSETS

DAVID CLARK X11 HEADSET



The new X11 ENC headset features Advanced Comfort Engineering for an incredibly comfortable, personalized fit which you'll appreciate during long flights. It features new, Electronic Noise-Canceling ENC technology that reduces pilot fatigue. Leading edge, lightweight materials such as genuine carbon fiber provide added durability. And of course, the

X11 is backed by David Clark Company customer service and support which is second to none. All of which makes this new headset as comfortable to own as it is to wear. P/N 11-04651.....
Gel ear seals X11 DC P/N 11-05803.....

DAVID CLARK X11P HEADSET



The model X11P features the same outstanding comfort and high performance features of the model X11 headset, but is designed to plug directly into the panel of the aircraft. Installation flexibility is provided by three available adapter cords and connectors which allow 1 wiring directly to aircraft avionics, 2 plug-in portability with other than primary aircraft or 3 connection to aircraft already equipped with David Clark ENC XP Series panel mount modules. P/N 13-04790.....

ACCESSORIES FOR X11P HEADSET

40 8G-0 A APTER COR - Designed for wiring into existing avionics built-in intercoms, radios, etc. PN 11-05542.....
40 8G-0 A APTER COR - Optional adapter cord with standard aviation plugs allowing use of the X11P when flying in other than primary aircraft. PN 11-05547.....
40 8G-03 A APTER COR - Optional adapter cord allowing use of the X11P in aircraft already equipped with David Clark ENC XP Series panel mount module. PN 11-05548.....

DAVID CLARK H10-13.4 HEADSET



Provides David Clark quality without the hot spots, clamping, or weight discomfort. Features a certified noise reduction rating of 23 dB and weighs only 13.4 oz. Drastically reduced headband force, new soft air-flow pillow headpad, flo-fit gel ear seals, M-7A noise cancelling electret mic, and low profile volume controls with detect settings. 5 yr warranty. P/N 10-13.4.....

P/N 10-13.4S stereo
P/N 10-13 helicopter

DAVID CLARK H10-13Y YOUTH HEADSET



Same features as the popular 10-13.4 headset and has been especially designed to comfortably fit a child. Extremely lightweight and has a new headband assembly which allows you to adjust the headset to your child's head for a perfect fit every time. The new Super Soft Foam-filled headpad and Flo-Fit Gel Ear Seals, also add to the headset's long-term wearing comfort. When your child grows, a conversion kit is available, to convert your 10-13 to a

David Clark Model 10-13.4.....P/N 10-13.....
Conversion kit.....P/N 11-11950.....

DAVID CLARK H20-10 HEADSET



20-10 headset features the Custom Comfort System which is a whole new concept in headset in comfort. Includes a headband suspension assembly that can be adjusted to a perfect comfort level, a pillow soft floating headpad for maximum cushioning with no hot spots, and a larger contoured Flo-Fit gel ear seals which mold softly to your head. P/N 20-10.....
P/N 20-16 for helicopters

DAVID CLARK H10-56HXL HELICOPTER HEADSETS



New Comfort gel, undercut ear seals. Battery Power Module - One 9 volt battery for up to 25 hours of operation. Pilot Selectable Automatic-Shut Off Feature. Five foot extended coil cord terminating with a 10 pin quick release connector. Coiled cord assembly connects Battery Power Module to panel intercom/radio. Same headset can be used with optional panel mount. 10-56 XP Dual volume controls let you adjust the level for each ear. Exclusive, patented flexible/wire boom for easy, precise microphone placement. Super soft foam filled pillow headpad. NRR - 27 nbspdB passive noise reduction rating plus 17 nbspdB to 22 nbspdB when ENC is turned on. eight without cord assembly 22 oz.

| Description | Part No. | Price |
|---|----------|-------|
| MODEL H10-56HXL | 11-03828 | . |
| MODEL H10-56HXP | 11-03829 | . |
| MODEL H10-56 - inged wire boom with the M-101 amplified Dynamic microphone. Conforms to MIL-M-27291A. Coil Cord 5 e tended with -174/ Plug. FAA TSO Approved C57 Cat. B and C58a. E ceeds RTCA/DO-214 Standards. eight without cord assembly 20 oz. | 11-03827 | . |



DAVID CLARK SERIES K HELMET

Series K helmet provides the ability to convert all David Clark Over-The-Head style E cept 20-10 10-80 headsets into a helmet/ headset assembly. The Kit and a David Clark headset gives both impact and hearing protection in addition to clear, normal conversation in high noise environments. The Series K helmet Kit consists of a helmet shell with nape pad and a helmet liner. Lightweight, the combined weight of the helmet/ headset assembly is 42 oz.

helmet Kit P/N K10.....

DAVID CLARK HEADSET BAG



This ballistic Nylon Carry Bag is black on black, with the DC logo subtly embroidered in the lower right corner. This bag has been carefully chosen for its simplicity, quality and workmanship and is a fitting complement to any David Clark headset. P/N 11-00642.....

DC H20-10X HEADSETS



Made of lightweight advanced composite materials. Features include Portable battery power module accepts connector from headset and connector on communication cord to aircraft. Powered by 6 AA batteries, has power on LED, and guarded on/off switch. Dual volume controls let you adjust the level for each ear. Custom comfort headpad suspension system adjusts to your head like a pillow. Gel filled earseals are contoured to your ears. universal

file boom. NRR-22Db passive noise reduction rating plus 12Db to 17Db when ENC is turned on. CA OR SPECIA PRICES

| Part No. | Description | Price |
|----------|---|-------|
| 20-10XL | Fixed wing headset ENC with straight, 5ft. cord Snap Lock- ick release connector/battery power module with mating headset and cord assy connectors/coil cord assembly with mating battery connector and panel-intercom plugs | . |
| 20-10XP | Fixed wing headset ENC w/straight, 5ft. cord, Snap Lock- ick Release Connector and panel mount module with mating headset connector, on/off toggle switch. Connectors/Coil Cord Assembly with mating battery connector and Panel-Intercom Plugs | . |
| 20-10 XP | Helicopter headset ENC with coiled, 5ft. e tended cord, Snap Lock- ick Release Connector and panel mount module with mating headset connector, on/off toggle switch | . |

DAVID CLARK H10-13X ANR HEADSETS



The 10-13X aviation headset has the most advanced Electronic Noise Canceling ENC technology assuring an amazingly quiet flight. Available in the most popular and comfortable headset style. 10-13X Features quiet Performance ou'll hear and feel the difference immediately. When ENC is turned ON, noise cancellation actually improves by an additional 12-17 dB. That's better total protection than any other headset available

today. 5 year warranty. Outstanding Comfort - Lightweight at just 17oz. w/advanced comfort features. Super soft gel ear seals with new exclusive Velvet Fleece surface, combined with reduced headband pressure and a soft foam-filled pillow headpad create a comfort level never before experienced. Superior Communication Intelligibility - The ENC system and the exclusive M-7A noise cancellation electret mic provide unsurpassed performance and clear, crisp transmission and reception. Stereo compatible for use with stereo intercom and cabin entertainment systems.

| Model | Description | Part No. | Price |
|-----------|---|----------|-------|
| H10-13X | Fixed wing headset ENC with straight, 5ft. cord to Battery Power Module to straight 5ft. cord with A/C Panel-Intercom Plugs hard-wired | 11-03819 | . |
| H10-13XL | Fixed wing headset ENC with straight, 5ft. cord, Snap Lock- ick Release Connector/Battery Power Module with mating headset and Cord Assy Connectors/Coil Cord Assembly with mating battery connector and Panel-Intercom Plugs | 11-03820 | . |
| H10-13XP | Fixed wing headset ENC with straight, 5ft. cord, Snap lock- ick Release Connector and Panel Mount Module with mating headset Connector, on/off Toggle Switch | 11-03821 | . |
| H10-13HXL | Helicopter headset ENC with coiled, 5ft. e tended cord, Snap Lock- ick Release Connector/Battery Power Module with mating headset and Cord Assy Connectors/Coil Cord Assembly with mating battery connector and Panel-Intercom Plug | 11-03817 | . |
| H10-13HXP | Helicopter headset ENC with coiled, 5ft. e tended cord, Snap Lock- ick Release Connector and Panel Mount Module with mating headset Connector, on/off Toggle Switch | 11-03818 | . |

AV

DAVID CLARK HEADSETS - CELL PHONE ADAPTERS

DAVID CLARK HEADSET H10-66LX & H10-76XL



Pilots have trusted the green domes of David Clark Company headsets for over 25 years. Their high-performance products are now equipped with several new features to enhance pilot

comfort: super-soft, double-foam headpads, comfort-gel, undercut ear seals, and a smaller, lighter battery pack with auto shutoff for ENC models. Find out for yourself why quality conscious pilots will accept nothing less than the 1 headset in Aviation.

| Description | Part No. | Price |
|--|----------|-------|
| 10-66XL D AL IMPEDANCE ENC EADSET De- signed for use with both high and low impedance systems. Select switch on dome matches headset to system impedance. Ideal for fleet operations. Certified Noise Reduction Rating NRR 27 dB. Built in ENC technology and enhanced comfort features. | 11-05427 | . |
| 10-76XL PORTABLE LO IMPEDANCE ENC EAD- SET Feature ENC technology and designed for use with low impedance systems. Coil cord with single plug connects the battery-powered module to aircraft radio or intercom. Additional 17-22 dB noise attenuation with ENC activated. | 11-05428 | . |
| 10-76XP PANEL-MO NT LO IMPEDANCE ENC EADSET Same as 10-76XL but with permanent panel-mount module for utilizing the aircraft's power source. | 11-05429 | . |

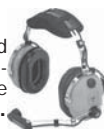
H10-20 HEADSET

8 new headset design advances make the David Clark 10-20 a must see. The completely file ble boom assembly can be adusted for perfect microphone placement. The M7A microphone is the most advance noise-cancelling amplified electret mike available. Features a redesigned air-flow headband with liquid-filled ear seals for optimum comfort. Comes with volume control and a 5yr warranty. Made in the .S.

- Straight Cord.....P/N 10-20.....
- Coiled Cord.....P/N 10-21.....
- elicopter.....P/N 10-26.....

DAVID CLARK H10-30 HEADSET

This dual headset, used by the Air Force, features foam filled ear cushions with an M-1/DC amplified dynamic noise can- celling mike. ith 6 feet straight cord, P -055B headphone plug and P -068 mike. plug. P/N 10-30



DAVID CLARK H10-36 HEADSET

The 10-36 headset features the M-1/DC dynamic mic and coil cord which e tends to 5 ft., with -174/ plug for helicopter installations. P/N 10-36

DAVID CLARK H10-60 HEADSET

Features unique foam/air-flow headpad, low-pressure headband, Flo Fit Gel ear seals, and dual volume controls. Also features the M-7A advanced noise cancelling amplified electret mic. Customize your 10-60 with 3-position head- set pressure ad ustment, boom guide lock, headband size ad ustment, and cord selection. P/N 10-60.....



DAVID CLARK H10-66 HEADSET

The 10-66 headset features the M-101 amplified dynamic microphone and igh/Low impedance. Comes with coil cord e tends to 5 ft. -174/ plug for helicopters. P/N 10-66



DAVID CLARK H10-76 HEADSET

ndercut Comfort-Gel Ear Seal for Improved Comfort. Low Impedance. Most popular noise attenuating headset ever produced for use with military radios. Standard headset of the .S. Air Force, NATO and most airborne command centers. Coiled cord terminates into a -174/ plug. P/N 11-02226



DAVID CLARK H10-00 "LISTEN ONLY" HEADPHONE

David Clark comfort fit. For use w/handheld mic. ith 18 coil cord which e tends to 6 ft., P -055B plug. P/N 10-00.....



9V BATTERY PACK FOR ENR HEADSETS

This new XL-9V 9V battery pack is easier to operate, wear and store. It is 50 smaller and 50 lighter than previous battery packs. It runs off a single 9V alkaline battery to provide power to the headset ENC system. The XL-9V features an Auto Shut Off function to save the battery if the power switch is left on when the headset is not in use. P/N 11-01783



DAVID CLARK UNDERCUT COMFORT-GEL EAR SEALS

Ear Seals have redesigned to be softer, more supple and form fitting, with a unique undercut shape that provides more room for your ears. This e clusive design makes for a larger, yet lighter ear seal. This new ear seal is now standard on the entire line of DC aviation headsets. New Ear Seal Features: • 26% lighter • 60% more surface area in contact with your head provides greater comfort by dissipation of necessary headband pressure • 30% more interior volume creates more room for your ear P/N 11-01782.....

DAVID CLARK GROUND SUPPORT HEADSETS

Ground Support eadsets are designed to facilitate communication when background noise or distance makes it e tremely difficult to communicate. During ground-support operations, communication is critical to ensure the safety of everyone in the vicinity as well as the protection of the aircraft from accidental damage.



MODEL H7010 - Noise Attenuating eadset * M-101 Noise-Cancelling Microphone * 30-inch straight cord with 174/ plug * Noise-shielded microphone muff with On/Off switch * Soft headpad and ear seals guarantee e ceptional comfort * Snap-fastened nylon straps secure microphone muff to mouth * Corrosion-resistant, chrome plated headpad/stirrup assembly * E tremely durable and reliable * NRR 26dB P/N 11-07116



MODEL H-133C/AIC - Noise Attenuating eadset * M-101/AIC Noise-Cancelling Microphone * 30-inch straight cord with 93A/ plug * Noise-shielded micro- phone muff * Soft headpad and ear seals guarantee e ceptional comfort * Snap-fastened nylon straps se- cure microphone muff to mouth * Corrosion-resistant, chrome plated headpad/stirrup assembly * eavy duty and e tremely reliable * For noise levels to 140dB P/N 11-07117

EARS 2 CELL PHONE ADAPTER FOR HEADSETS



Great for Filing Closing Flight Plans, contacting ATC/ FSS or ome/Office. Size of the product 2 1/4 2 1/4 1 1/4 thick. Clip is removable for better fit and function.

ill Not Interfere with any RADIO CALLS , A TO M TE the Cell call when radio is active, same as for the MP3 player. ses a 9 volt battery for amplified operation, which has a battery life of 18 mo stand-by 25 hrs talk time. If your intercom or radio system fails you can still talk through your headset or even hook a handheld radio through your headset. One year limited warranty on defective parts. P/N 11-04772

CELL PHONE HEADSET ADAPTERS

Our cell phone headset adapters connect your cell phone to the headset and intercom system in your aircraft. The pilot can use the cell phone while ATC communications remain the priority at all times. These adapters enable you to close flight plans or get IFR clearances from the aircraft, contact FBOs or other services from the aircraft, or call anyone you wish. ill not work with Nokia 8000 series phones.

- iversal adapter P/N 11-02230
- Bose adapter P/N 11-02231
- elicopter adapter..... P/N 11-02232

ANR HEADSET RETROFIT KIT

The ANR Adapter is a product that will transform a current aviation headset into a high-tech active noise reduction ANR unit. The ANR Adapter comes as a kit and includes a pair of inserts that fit more than 20 different headset models. Installation requires fitting the inserts, drilling a small hole in one earcup for the power receptacle, and soldering the original cable leads to the kit replacement parts. uses 2 9V batteries

- David Clark type..... P/N 11-11955.....
- Peltor..... P/N 11-11956.....

AMP CABLE (AUDIO+MIC+POWER)

A standard ANR upgrade kit comes with a 6 long add-on power cable which tie-wraps to your original audio cable, and it requires that you drill a 1/4 hole in the left earcup ne t to where the main cable enters the cup .The AMP cable replaces your original cable and has the DC power wires, audio wires and mic wires all in 1 cable. The result is more esthetically pleasing and no additional hole is required in the left earcup. P/N 11-03012.....



SENNHEISER HEADSETS

Sennheiser developed a full line of innovative headsets in response to the aviation industry's concern about clear communications and prevention of hearing loss and fatigue. Several of these headsets feature active noise cancellation (ANC). Superior clarity and steadfast reliability make Sennheiser's aviation headsets standard equipment for discerning pilots and passengers everywhere. Over 150 international airlines as well as many manufacturers and pilots of corporate and general aviation aircraft know they can count on Sennheiser. Most headsets comply with FAA/TSO -C57A, C58A. All headsets have a 5yr warranty unless noted.



HME43-K PILOTS HEADSET

The ME 43-K is a pilot's headset with closed headphones and Ultra Noise Cancelling Microphone for use in Business Jets. Features: •Very lightweight •Ultra Noise Cancelling Microphone for superior speech transmission •Microphone can be worn on either left or right-hand side •Headset with comfort leatherette and replaceable ear pads •Double-sided adjustable headband with comfort headpads •Superior speech intelligibility •Lightweight Headset •Headband cable completely internal •ActiveGard safeguards the user from the effects of an acoustic burst •2 year warranty
P/N 11-04841



HME25KA-2 PASSIVE HEADSET

Designed for comfort clarity in the loud aviation environment, the ME25KA-2 pairs a lightweight, split headband headphone with a noise-compensating, electret mic. The ultra lightweight, closed-back, supra-aural design provides 16dB of passive attenuation. An excellent choice for the cockpit or for air traffic controllers.
t 4.9oz 6 ft. cord. Now TSO d. P/N 11-09790.....



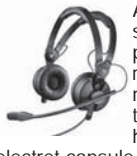
HME46PASSIVE / HMEC46 ANC

These boomsets successfully combine functionality with the latest audio technology and maximum user comfort. The ME 46 incorporates peak level protection. It delivers reliable protection from excessive volume peaks of more than 110 dB during radio communication. The new boomsets are available with all common plug configurations. Features: •Extremely lightweight •Superb wearing comfort due to patented two-piece automatic headband and soft ear pads •Flip-away headphone allows single-sided listening •Flexible microphone boom, can be worn on either left or right-hand side •Noise-compensated condenser microphone ensures excellent speech transmission •Single-sided cable, length 1.85 m, easy to exchange •With volume control •Volume peaks above 110 dB are eliminated •ETSO/TSO approval C57a and C58a.
Sennheiser ME46-V-K headset.....P/N 11-05271
Sennheiser ME46-K headset.....P/N 11-05247
Sennheiser MEC46-B-K headset - active, electret mic, ack connectors, battery powered.....P/N 11-05272 **\$664.00**
Sennheiser MEC46-BV-K headset - active, electric mic, volume control, ack connectors, battery and panel powered
P/N 11-05274.....**\$750.00**



HMEC25KA ANC HEADSET

For those who work or play in a loud cockpit and would like a low-profile, lightweight headset with outstanding noise reduction, the MEC 25-KA is the answer. Active noise cancellation reduces noise by over 15dB to provide over 30dB of total noise attenuation. The MEC 25-KA is a supra-aural, closed back headset that weighs less than 6 oz. and has a split headband design for unsurpassed comfort and fit. Wt: 6 oz., electret mic, ANC power, 2 AA batteries, 6 ft. cord. • FAA and FAR TSO approval C572 and C58a.
MEC 25-KA..... P/N 11-09795.....



HMEC25-KAS HEADSET

A supraural closed back headset that weighs less than six ounces and has a split headband design for unsurpassed comfort and fit. Active noise cancellation (ANC) reduces noise by over 15 dB to provide over 30 dB of total noise attenuation. The microphone boom can be turned through 350° and can thus be worn on either side of the head. The microphone module with noise-compensated electret capsule and integrated pre-amplifier is easily replaceable in the unlikely event of damage. • Lightweight, closed back supra-aural headset • 15 dB Active noise cancellation • 11 dB Passive Attenuation NRR • Noise cancelling electret microphone with rotating boom • Stereo/Mono switch • Dual Volume Control. • operates on 2 AA batteries.
P/N 11-09735

SENNHEISER ACCESSORIES

| Description | Part No. | Price |
|-------------------------------|--------------|-------|
| Battery Pack- MEC350/ MEC450 | P/N 11-02886 | . |
| XLR to Cigarette Lighter | P/N 11-00127 | . |
| Dual XLR to Cigarette Lighter | P/N 11-00128 | . |
| Gel Ear Seals MEC350 / ME110 | P/N 11-01333 | . |



HME110 PASSIVE HEADSET

Passive headset features an excellent passive attenuation and a wide frequency response, this closed-back headset will make communications clear. Volume control for the headphones sensitivity control for the microphone flexible, noise-compensated boom mic for right or left side use and a cushioned, foldable headband. A high quality bag is supplied with the unit.
Features:•Constant attenuation of up to 40 dB •Advanced transducer design ensures excellent speech intelligibility •Mono/Stereo Switch •Adjustable Gain Mic •10-year warranty
P/N 11-03589

Special models for helicopters - with coiled cable -174/ connector for headphones mic no mono/stereo switch
HME 110 Helicopter ModelP/N 11-00216.....



HMEC250 ANC HEADSET

Very attractive, foldable design. Offers the customer an interesting price/performance ratio and a powerful design that is extremely lightweight and comfortable. Talk Through - Allows you to communicate with the people around you while wearing the headset. Peak Level Protection - Safeguards your ears from volume peaks above 110 dB. Features NoiseGuard™ 2.0 with fail-safe operation * separate left and right volume control * audio input for mobile phones and MP3 players * Foldable, space saving design * Very lightweight 10.1oz * Long wearing comfort due to conforming soft ear seals * Flexible boom * Noise-compensating condenser microphone * 3-year warranty P/N 11-07030.....
Conformal Ear Seals P/N 11-07032.....



HMEC460 ANC HEADSET

Closed ear protector headphones and NoiseGuard™ active noise compensation for use in propeller and turbo prop aircraft. Silver brushed surface. Features 7.0 N contact pressure, 30% less than its predecessor. Even includes sockets for multimedia applications A 3.5 mm Audio-In-socket for those who want to connect their MP3 player directly to the headset, and a 2.5 mm Cell-Phone-In-socket for the mobile phone. Delivery includes 1 MEC 460, 1 carrying case for headset and accessories, 1 cable clip M 2002-1, 1 windshield M 45, 1 audio cable with 2 2.5 mm stereo jacks, 1 audio cable with 2 3.5 mm stereo jacks, 1 audio cable with 2 3.5 mm stereo jacks. *10 EAR ARRANT *
P/N 11-04688.....



HMEC350 ANC HEADSET

Experience excellent noise attenuation over the entire frequency range. The MEC 350 NoiseGuard™ ensures superior speech intelligibility and voice transmission - even in the loudest of surroundings. This lightweight headset is fitted with a volume control for the headphones, flexible boom microphone, collapsible cushioned headband, mono/stereo switch and the on/off switch for NoiseGuard™ circuitry, with ease of use and optimum comfort in mind. Features: • NoiseGuard™ ANR system • Electret microphone • Fully flexible microphone boom • Padded headband • Soft cushion ear seals • Panel-mount, portable battery box or cigar-lighter power supply options • Weighs just 13.1 oz.
HMEC30 11-04401
HMEC37 For helicopter.....11-04414.....



PXC450 ANC HEADPHONE

Outstanding sound quality and undisturbed music enjoyment even in noisy environments. The PXC 450 is a premium travel headphone featuring Sennheiser's exclusive NoiseGuard™ 2.0 active noise compensation system, which effectively reduces up to 90% of ambient noise. The extremely comfortable headphones offer audiophile grade sound combined with a foldable construction for maximum enjoyment and convenient storage. The innovative new TalkThrough function allows the user to communicate with neighbors without taking off the headphones. unwanted background noise, such as the roar of the airplane engines, is filtered out so that only the neighbor's voice is passed on through the headphones at top quality. Comes complete with a transport case, 2 AAA batteries and audio adapters. 2 year warranty
P/N 11-07271



PXC250 MINI FOLD-UP HEADPHONES WITH ANC

The ideal travel companion PXC 250 fold-up headphones feature Sennheiser's proprietary NoiseGuard™ active noise cancellation. NoiseGuard™ will effectively reduce background noise by more than 65%. The PXC 250 comes complete with airplane audio adapter and a convenient protective bag for easy transport. PXC300 reduces noise up to 80
PXC 250 P/N 11-01915
PXC 300 P/N 11-04615

DRE COMMUNICATIONS HEADSETS

DRE HEADSETS

DRE quality aviation headset. For the past 11 years DRE has been manufacturing high quality aviation headset and intercoms. The new DRE headsets are better than ever

DRE-1000



- 24 dB NRR hearing protection
- BNC clear hear mic
- Dual volume control
- Wide comfort foam ear seals
- Cotton cloth ear covers
- eight 14.5 oz.
- Available in black or white
- 3 year factory warranty

Additional features include high fidelity headphone drivers for music, thumb nut headband adjusters, stay-put locking wire boom, high-fidelity reliable wiring, gold-plated plugs, rugged ABS ear cups, and black-plate spring steel headband combined with the best audio components makes the DRE1000 the affordable aviation industry leader.

DRE-1000 white PNR headset pictured P/N 11-00709
 DRE-1000 black PNR headset P/N 11-06494

DRE-4000



- 24 dB NRR hearing protection
- Stay-put half-foam boom
- BNC clear hear mic
- Dual volume control stereo
- Deluxe gel ear seals
- Cotton cloth ear covers
- Wind block mic muff
- eight 15 oz.
- 3 year factory warranty

Custom fit half-foam boom stays where you put it and is completely adjustable for an exact position even on those long flights. Quick disconnect main cable for easy storage and hassle free replacement if broken.

Additional features include high fidelity headphone drivers for music, high-fidelity reliable wiring, gold-plated plugs, and rugged ABS ear cups.

DRE-4000 Stereo headset P/N 11-00711

C.A.T. SYSTEM PILOT EAR MICROPHONE



Does not interfere with eye or sun glasses and weighs only 1oz., eliminating the Over the head or Behind the head Pressure Producing Head Band. The Heavy Boom Microphone has been eliminated since all of the transmitted and received audio is derived from and delivered to the wearer's ears. The Ear Pieces produce a Noise Reduction Rating (NRR) of 33dB with universal foam ear

molds and up to 46dB with custom ear molds. They are connected to the Interface Controller with a lightweight, heavy-duty cable and locking connector. The Controller interfaces directly to most General Aviation Avionics Packages, which include Navigation, communications, Radios and Intercoms. Complete with an individual volume control for the wearer's comfort. Utilizes a Double Shielded Coil cord with gold plated avionics connectors to eliminate any possible interference when using it in close proximity to a handheld transceiver. Weighs only 9 ounces and is covered by a Limited Lifetime Replacement Warranty. The Ear Pieces and coil cord are covered by a 1-yr warranty. TSO pending.

001-AC T Pilot Pro - Includes the Controller and Foam Ear molds.
 P/N 11-00369

001-APT - Remote Velcro Push-to-Talk Button for yoke mounting. The button is mounted with Velcro and has a coil cord with a 1/4 Plug and a .206 Jack for interfacing into the aircraft's avionics system.
 P/N 11-00370

001-APHT Push-to-Talk button - Same as above but with 3mm Plug for Hand-held Portable Transceiver pictured.
 P/N 11-00371

DRE 6000 ANR HEADSET



- Powerful ANR performance
- Stay-put half-foam boom
- BNC clear hear electret mic
- Dual volume control stereo
- Pillow top headpad
- Deluxe gel ear seals
- Wind block mic muff
- Auto shut-off battery pack
- Auxiliary power input Jack
- 20-hour battery life
- eight 16.5 oz.
- 3 year warranty

The most powerful ANR active noise reduction aviation headset available. Not just an add-on kit, but also a headset designed for true ANR performance. The DRE6000 has ear cups with internal baffle-plate providing the strongest ANR in the industry. With 18-20dB of noise reduction 200 Hz with an effective range from 20 to 600 Hz, the DRE6000 ANR is guaranteed to exceed the performance of any production ANR headset. When the noise is just too much, simply flip the switch and enjoy the flight. Custom fit half-foam boom stays where you put it and is completely adjustable for an exact position even on those long flights. Quick disconnect main cable for easy storage and hassle free replacement if broken. Additional features include extraordinary audio fidelity, battery life LED indicator, gold-plated plugs, and high-fidelity reliable wiring.
 P/N 11-00543

DRE ACCESSORIES



GEL SEALS - Add all-day comfort with a pair of Deluxe silicone gel ear seals with the industry's first double bump design to keep the gel in place. Other gel seals tend to squash out over time. Deluxe gel seal will block out noise for increased noise reduction. Fits DRE and other top brand general aviation headsets.
 P/N 11-06496



PILLOW TOP HEADPAD - Enjoy your flight with Pillow Top headpad. 100 sheepskin eliminates the pressure on the top of the head. Made to fit all general aviation, over-the-head headsets with 5/8" headbands. P/N 11-06495



FOAM EAR SEALS - Fits DRE and other top brand general aviation headsets. P/N 11-07366



CLOTH EAR COVERS - Great for comfort and hygiene. The cool cotton comfort improves the tactile quality of any ear seal. Easy to install, absorbs perspiration, and completely washable. These covers fit all general aviation headsets.
 P/N 11-07367



MIC MUFF - This mic muff attaches easily, includes the o-ring retainer, improves transmission while eliminating wind noise, and protects the mic from moisture and dust. It is completely washable and fits all general aviation headset microphones.
 P/N 11-06497



MAIN HEADSET CABLE FOR DRE4000, D400 - Quick disconnect main cable for easy storage and hassle-free replacement, plus high-fidelity reliable wiring.
 P/N 11-06498



MAIN HEADSET CABLE FOR DRE6000, D401 - Quick disconnect main cable for easy storage and hassle-free replacement, plus high-fidelity reliable wiring. P/N 11-06499



ELECTRET MICROPHONE FOR DRE1000/4000/6000, D502-BNC clear hear electret microphone.
 P/N 11-06501



AUTO SHUT-OFF BATTERY BOX FOR DRE 6000, D700 - Will extend the battery life by automatically turning off after 4 minutes of inactivity. The flashing LED acts as a reminder.
 P/N 11-07179



POWER SUPPLY FOR PANEL MOUNT DRE 6000, D800 - For 12V or 24V aircraft. You can save on batteries by powering the ANR system from aircraft power. As 2-volt age regulators, a DC-DC converter for isolation, and an in-line 1/4 amp fuse. Specify 12 or 24 volt aircraft when ordering.
 P/N 11-07180



DUFFEL STYLE FLIGHT BAG D3002 - Six compartments, dual zippered flap on the center compartment with a Velcro strip. On each end has a zippered pocket, and two smaller access compartments
 P/N 11-07373



PERSONAL HEADSET BAG, D3P01 -
 P/N 11-07784

AV

BEYERDYNAMIC HEADSETS - FLITELITE

BEYERDYNAMIC HS300 AVIATION HEADSET



The perfect combination of quietness, comfort and design. As a headset with closed back construction, the S 300 Individual offers perfect noise protection for long and safe flying. An audio boom comes with the headset and it is possible to route the signal from a mobile phone or MP-3 player through this boom when a radio signal is received the volume of the music or phone call automatically decreases. Only high-quality materials, designed for a long service life and maximum user comfort, are used for this hand-crafted premium headset.

Features

- Noise attenuation of approximately 30 dB
- Audio boom included with an interface for mobile phone / music player two cables included
- Automatic muting of external signals when radio signals come in muting can be switched off
- Noise-compensating microphone with adjustable sensitivity can be worn left or right
- Mono/stereo selection switch
- Balanced sound and high reproduction precision for excellent intelligibility of speech
- Integrated volume control
- Made in Germany with a five-year warranty
- Rugged construction using spring steel hoop and soft, replaceable head bolster
- Low weight approx. 325 g without cables
- Service-friendly - all parts are easy to replace
- Headset case included

P/N 11-05245.....

ACCESSORIES

Beyerdynamic S300/200 Ear Seals.....P/N 11-05828.....

BEYERDYNAMIC HS600 DANR AVIATION HEADSET



S 600 DANR is the only Aviation headset worldwide that provides a processor-controlled active noise attenuation with an intelligent algorithm producing the counter sound. This advantage of the DANR concept makes this new headset a benchmarking product.

- Excellent silent noise attenuation of approx. 40 dB due to Digital Adaptive Noise Reduction

- Software version 2.0 with Noise Peak Reduction and broadband reduction
- Audio boom with integrated volume control provides connection for mobile phones or music players supplied with two connection cables
- Automatic reduction of telephone and music volume mute when Intercom signals are received function can be switched off
- Powered by two AA batteries inserted in the audio boom with a minimum operating time of 25 hours or by the on-board power supply system 12 - 36 V DC when using the supplied 3-pin XLR cable delivery includes appropriate pack
- Automatic switch-off function
- Superior comfort for wearing due to light weight approx. 325 g without cable and low headband pressure approx. 6.5 N
- Premium ear pads filled with viscoelastic foam
- Noise-compensated microphone with adjustable gain, which can be worn on the left or right hand side
- Made in Germany with a five-year warranty
- Balanced sound and high reproduction precision for excellent intelligibility of speech
- Mono/stereo selection switch
- Rugged headband construction made of spring steel and replaceable headband pad made of soft leather
- Easy servicing as all parts are replaceable
- Supplied with headset bag

P/N 11-05246.....

BEYERDYNAMIC HS200 TREND AVIATION HEADSET



In conjunction with beyerdynamic's quality requirement and 80 years of experience in electroacoustics, the S 200 Trend ensures comfort and safety when flying. As the S 300 Individual headset, the S 200 Trend is also supplied with a five-year warranty. The headset comes with a practical bag and a volume control. Now pilots who do not want to listen to music or phoning with their headset while flying, can enjoy the features of beyerdynamic's Aviation headsets. Features * Ambient noise attenuation of approx. 30 dBA * Noise-cancelling microphone with adjustable gain, which can be worn on the right or left hand side * Balanced sound with high reproduction precision to ensure excellent speech intelligibility * Integrated volume control * Made in Germany * Five-year warranty * Rugged headband design made of spring steel with soft, replaceable headband pad * Moderate headband pressure approx. 8 N for maximum comfort * Lightweight approx. 325 g without cable * Modular construction for easy servicing * Supplied with padded bag

P/N 11-07260.....

| Description | Part No. | Price |
|------------------------------|----------|-------|
| Ear pads, leatherette, black | 11-07261 | . |
| Ear pads, gel-filled, black | 11-07264 | . |

| Description | Part No. | Price |
|-----------------------------------|----------|-------|
| Ear pads, gel-filled, transparent | 11-07266 | . |
| Ear pads, leather, black | 11-07262 | . |

| Description | Part No. | Price |
|------------------------------|----------|-------|
| Ear pads, leather, blood-red | 11-07263 | . |
| Ear pads, leather, cognac | 11-07265 | . |
| Wind shield, black | 11-07267 | . |

FLIGHT LITE GEN II DUAL SENSOR PILOT LIGHT



FLITELite GEN II Dual Sensor Pilot Light. The New GEN II is 30% smaller, and more efficient than GEN One. The new version was developed to meet MIL-STD-3009, for Night Vision Imaging Systems NVIS aircrew auxiliary and utility lighting. This light is also perfect for the General Aviation Cockpit. FLITELite comes complete with * GEN II FLITELite unit, computer controlled, dual sensor pilot light * headset or helmet Adapter new adapters are free * AAA Battery Pack * Optional Coin Cell Pack * Attachment accessories * AAA Batteries * warranty

| Description | Part No. | Price |
|-----------------|----------|-------|
| For Bose X | 11-07034 | . |
| For Lightspeed | 11-07035 | . |
| For David Clark | 11-07036 | . |
| For Sennheiser | 11-07037 | . |

| The following Meet MIL-STD-3009, Night Vision Imaging Systems | | |
|---|----------|-------|
| Description | Part No. | Price |
| For Bose X | 11-07038 | . |
| For Lightspeed | 11-07039 | . |
| For David Clark | 11-07040 | . |
| For Sennheiser | 11-07041 | . |

FLITELITE VERSION 1.5

A new, intercom-powered hands-free LED flashlight that's built into the headset microphone. Never require batteries. Provides power to the LEDs without a battery pack as a backup power system that provides 30 minutes of power in case of power failure. Integrated version powered by the aircraft intercom system. No battery pack required



AVCOMM AC-747FL HEADSET - Comes with GA and helicopter cords Key Features Ships Power FLITELite - no battery pack or wires required Exclusive PNR technology and plug and fly design. Full flexible boom Ultra-lite micro samarium cobalt speakers. Each ear cup features an independent volume control. M-60 microphone with active filtering chip Deluxe Comfort Package included Full five-year factory warranty Converts easily by plugging in either the general aviation straight cord or the helicopter coil cord both included with the headset. FACTOR INSTALLED • Stainless steel headband with easy thumbnut adjustment • Deluxe comfort headpad • Acoustic foam earseals ALSO INCLUDED • 100% cotton ear covers • Acoustic mic muff PN 11-05606.....



AVCOMM AC-900 FL HEADSET - Exclusive patented PNR™ passive noise reduction technology. Key Features Patented PNR™ audio technology and full spectrum stereo response Ultra-lite Neodymium speakers M65 microphone with active filtering chip. Full flexible boom Built-in push-to-talk. Mono-stereo switch built into the cord Each ear cup features an independent volume control Deluxe gel ear seals Full five-year warranty. Gold plated mic and headphone plugs PN 11-05607.....



AVCOMM AC-910 FL HEADSET - No battery pack required Installed cell phone port. Built with AVCOMM's exclusive patented PNR™ passive noise reduction technology. Key Features Intercom Powered FLITELite Patented PNR™ audio technology and full spectrum stereo response, Ultra-lite Neodymium speakers, M65 microphone with active filtering chip Full flexible boom Built-in push-to-talk Built-in cell phone port with phone cable Mono-stereo switch built into the cord Each ear cup features an independent volume control Deluxe comfort package, Full five-year warranty. PN 11-05608.....

FLIGHTCOM HEADSETS



DENALI ANR HEADSETS

Revolutionary in design, the 13.4 oz. Denali ANR provides radical advances in full spectrum hearing protection. An innovative low-force headband and contoured ear seals, coupled with ergonomically canted, low profile ear domes, give Denali a sleek, near custom fit feel. Advances in the acoustic performance of the ANR circuitry provide an additional 19 to 21dB of low frequency noise attenuation, above the passive model. Just holding this headset in your hands, let alone wearing it in flight, will make you instantly aware of its outstanding feather weight and the completeness of its engineering. Smart placement of the volume controls, a solid, flexible boom elliptical noise-canceling mic with large sweet spot for improved communications ANR drop and go 9 volt battery boom no battery leads to attach in flight. Made in USA. Available in -3 yellow graphite blue.

Battery power ylwP/N 11-00008 Battery power blueP/N 11-00009

DENALI PASSIVE HEADSETS*

Offering a new level in pilot comfort and acoustic performance, the passive version of the new Denali weighs in at a scant 10.5 oz., yet provides outstanding noise attenuation.

Denali Passive headset yellowP/N 11-00011.....
Denali Passive headset blueP/N 11-00012.....

DENALI HELICOPTER HEADSETS*

Denali helicopter headset yellow P/N 11-01074 Denali Active helicopter headset yellowP/N 11-01076.....
Denali helicopter headset blue P/N 11-01075 Denali Active helicopter headset yellowP/N 11-01077.....

CLASSIC ANR HEADSET



Flightcom's Classic ANR headset is built with comfort features not found in similar headsets. With overstuffed Confor foam ear seals and larger than normal headband, the classic aviation style provides extended comfort and performance. Comfort Classic ANR's Confor Foam ear seals, and a wide polar fleece headpad ensure comfort. Innovation A volume control on each dome allows for independent adjustment. Noise reduction keep it quiet with our advanced hearing protection technology. Confor Foam ear seals effectively block out sound. Noise reduction rating is enhanced by 14 to 18 dB at certain key low frequencies. Comes with a durable nylon carry case

- Precision flex boom with noise canceling electret microphone
- Chrome headband with a washable polar-fleece headpad
- Mic muff and carrying case included
- Provides an additional 14-18dB noise attenuation at key low frequencies
- Dual-volume controls allow for independent volume adjustment in each ear dome
- 9-volt battery
- Stereo/mono switch ensures audio compatibility
- In-line, "drop-and-go"
- Weight: 17.9 oz.
- 3-year warranty

P/N 11-01326

FLIGHTCOM 5DX CLASSIC



This headset provides supreme comfort and fit through its washable polar fleece headpad, silicone gel ear seals and cloth ear seal covers. Features include noise cancelling electret microphone, precision flexible boom, dual volume controls, stereo/mono switch, 22dB noise reduction rating and all top quality components. 17.9oz. 3-yr factory warranty

P/N 11-08760
5DX helicopter Ver.P/N 11-01080

FLIGHTCOM 4DLX CLASSIC



This headset combines the proven performance and affordability of the popular 4DX Classic headset with the comfort of the air pillow headpad. Features of the 4DLX Classic include combined foam and liquid ear seals, precision flexible boom, noise cancelling electret microphone, stereo/mono switch, cloth ear seal covers, mic cover and 3-yr factory warranty. 24dB noise reduction rating 16.8oz

P/N 11-17115.....
4DLX helicopter Ver.....P/N 11-01079.....

FLIGHTCOM F20 LIGHTWEIGHT HEADSET



The lightest weight headset available from Flightcom and replaces old model 4.2. The F20 has a new, durable construction and updated appearance along with new features such as a volume control and an improved flexible boom. Also included is a set of 30dB ear plugs to help give you noise attenuation along with the comfort of a lightweight headset. The F20 has stereo/mono capability, a noise cancelling electret mic, weighs only 4.6 oz, and includes a mic muff.

3-year factory warranty. P/N 11-17615.....

FLIGHTCOM 4DX CLASSIC



The 4DX Classic is an entry-level headset with classic Flightcom ruggedness. With an easy-to-position wire articulated boom and a ventilated foam rubber headpad and combined liquid and foam ear seals, the 4DX Classic is comfortable and affordable. Noise cancelling electret microphone • Single-volume control • Stereo/mono switchable • NRR 24dB • Weighs 16.9 ounces • Mic muff and cloth ear seal covers included • Three-year warranty

P/N 11-17110.....
4DX helicopter Ver.....P/N 11-01078.....



FLIGHTCOM HEADSET BAG

Padded nylon headset bag with 2 chart-size mesh pocket
P/N 11-07371



FLIGHTCOM HYGIENE KIT
Denali hygiene Kit - Ear seals, headpad and mic muffs. P/N 11-04855.....



FLIGHTCOM LEATHER EAR SEALS
103-0019-10 Protein Leather Ear Seals. Fits all Denali headsets. P/N 11-05947



FLIGHTCOM A9 MIC

The A9 is the first and only microphone which eliminates distortion and background noise. It eliminates garbling and provides enhanced voice clarity. The A9 is the standard microphone for Flightcom headsets with wire articulated booms and can be used as a replacement microphone for virtually all headsets with wire booms.

P/N 11-08765

FLIGHTCOM COMBO PACKAGES

These combination packages offer extra savings as well as a pre-packaged set which includes two headsets, an intercom and a push to talk switch.

Ask for quote on any unlisted headset intercom combo.

| Combo# | Description (Combo includes:) | Part No. | Price |
|--------|--|----------|-------|
| A | 2 Flightcom 4DX hdsts, 1 IISX 2 pl. intercom 1 P-T-T switch | 11-08705 | . |
| B | 2 Flightcom 4DX hdsts, 1 IISX 4 pl. intercom 1 P-T-T switch | 11-08706 | . |
| 3A | 2 Flightcom 4DLX hdsts, 1 IISX 2 pl. intercom 1 P-T-T switch | 11-08707 | . |
| 3B | 2 Flightcom 4DLX hdsts, 1 IISX 4 pl. intercom 1 P-T-T switch | 11-08708 | . |
| 3C | 2 Flightcom 5DX hdsts, 1 IISX 2 pl. intercom 1 P-T-T switch | 11-08717 | . |
| 3D | 2 Flightcom 5DX hdsts, 1 IISX 4 pl. intercom 1 P-T-T switch | 11-08718 | . |



TELE HEADSETS

TELEX STRATUS 30



Along with 30 dB of total noise reduction, the Stratus 30 headset offers comfort, durability and performance at a very affordable price. Designed as an entry-level ANR headset, the Stratus 30 combines superior ANR protection, a noise-cancelling electret microphone, and fully adjustable boom to ensure clear communications. Comfort features include Tele's patented ComfortCam™ technology that allows you to quickly and easily control the tension of the ear cups for clamp-free flying. Comfort is enhanced by its low profile headband that provides even distribution

of weight on the head without pressure points and detented sliders that adjust the headband for a custom fit. You don't need to sacrifice comfort for durability. The Stratus 30 utilizes impact-resistant headband design with stainless steel reinforced stress points for durability and light weight. **FEATURES:** • Total Noise Reduction • Customize Your Headset for a Comfortable Fit • Cell Phone/Audio Adapter • Advanced Microphone Technology • Low-profile Adjustable Headband • Impact-Resistant Headband Design • Seal Out Sound. Seal In Comfort. • Total Control Means Superior Sound • Boom Microphone • Flight Bag • Weight: 14.2 oz/403 grams. • Runs on 2 AA batteries

P/N 11-04562

TELEX STRATUS 30XT



The new Stratus 30XT power management system allows you to power the headset from the aircraft panel, standard alkaline batteries, or rechargeable batteries. The Stratus 30XT offers a built-in battery recharger that recharges when plugged into a wall socket, the aircraft's panel power or even your car's 12-volt power outlet. The Stratus 30XT automatically senses the type of battery you've inserted so you can't make a mistake. The exclusive microprocessor-control battery management

system ensures more than 50 hours of battery life - one of the longest on the market. Customize your headset for a comfortable fit. Tele's patented ComfortCam™ system allows you to fine tune headband tension to eliminate clamping. Comfort is enhanced by a unique headband construction that distributes weight evenly for a perfect fit, plus thick foam headband pad and newly designed, more comfortable cushions. Audio device management made simple. Also included is Tele's innovative cell phone/MP3 adapter which allows you to attach both your cell phone and MP3 player at the same time - no more switching cords. Plus you can mute both.

FEATURES: • Total Noise Reduction • Customize Your Headset for a Comfortable Fit • Cell Phone/Audio Adapter • Advanced Microphone Technology • Low-profile Adjustable Headband • Impact-Resistant Headband Design • Seal Out Sound. Seal In Comfort. • Total Control Means Superior Sound • Boom Microphone • Flight Bag • Weight: 14.2 oz/403 grams. • Runs on 2 AA batteries

30XT headset.....P/N 11-04561

AC/DC 30XT Adapter.....P/N 11-04576

TELE HEADPHONES



TELEX AIRMAN 760 HEADPHONE - A featherweight headphone unit designed for use with hand-held microphones. For long term comfort, an adjustable clothing clip removes the cord weight from the head of the user.

P/N 11-09300.....

TELE ACCESSORIES

Cloth comfort covers - fits full size Tele/pair
 indscreen 750, Pro III, ANR500 P/N 11-01112
 Cushions 750, 760 P/N 11-01113
 Gel cushion-Full cushion headsets P/N 11-01114
 indscreen-Full cushion headsets P/N 11-01115
 Cloth Cushion Cover-Full cushion..... P/N 11-01116
 Foam Cushion - Full cushion headset P/N 11-01117
 indscreen-Old 3100/4100/Echelons..... P/N 11-01118
 Eartips for Pro III P/N 11-01119
 Mic Muff for Dynamic mic..... P/N S036.1

TELEX PRO III 5X5 HEADSET

This headset from Tele features a single side soft ear tip receiver with superior noise cancelling amplifier. The electret microphone is fully adjustable for use on the right or left side. Order push-to-talk switch for aircraft not so equipped.

P/N 11-09600.....



TELEX ECHELON 20 AVIATION HEADSET



Designed for students, new pilots, and value-conscious experienced fliers, the Tele Echelon™ 20 full cushion aviation headset offers comfort, excellent hearing protection and value. The Echelon 20 provides an impressive 20 dB of passive noise protection and a top-quality noise cancelling electret microphone for clear, reliable communications. The Echelon 20 features a low-profile headband for even weight distribution plus patented ComfortCam™ technology, a three-click tension adjustment system for a custom fit. Special earpieces with foam ear-seals pivot two ways to conform to any wearer while detent sliders adjust the headband making the Tele Echelon 20 a comfortable headset for any flight.

P/N 11-04564

STRATUS™ 50-DIGITAL ANR HEADSET



The Stratus™ 50-D cuts noise 3 ways by providing 24dB passive attenuation for high frequency noise outside the ANR range, 15dB of analog ANR for noise reduction below 1000 Hz, and up to 50dB of digital tonal noise reduction. DSP Digit Signal Processing allows the Stratus to predict recurring cabin noise and fine tune the Active Noise Reduction for the ultimate in hearing protection. Patented Comfort Cam™ tension adjustment allows for a custom fit, as do the heat sensitive slow recovery foam ear cushions, which conform to the user's head during wear. Extra thick cushions and pad reduce headband tension and provide a luxurious feel. Overmolded rubber earcups, volume control knobs and comfort cams offer ease of handling, and add to the comfort package. Features • Capable of battery or panel power Stereo/mono switch • Auto shut-off feature saves battery

• Dual volume controls • Reversible mic for pilot/copilot operation • 18 oz. • Collapses for ease of portability. • Incl. Deluxe carrying case

P/N 11-04560.....

TELEX AIRMAN ANR 850

Tele Airman ANR 850 uses Active Noise Reduction technology to provide up to 12dB of noise attenuation ensuring the clearest in-flight communication. Never before has a headset been so comfortable weighing less than 4 oz. Combining set and forget volume control with never worrying about a battery pack, undoubtedly makes the Tele Airman ANR 850 the most convenient commercial aviation headset available today. Power to the ANR is provided by mic bias active intercom eliminating the need for battery packs or panel power. By drastically reducing wind noise in jet cockpits, the Airman ANR 850 helps to reduce fatigue. The Tele Airman ANR 850 is unsurpassed in clarity, comfort and convenience. P/N 11-01880
 Tele Airman ANR 850 Airbus Application ... P/N 11-05464
 Tele 850 Leather Ear Seals..... P/N 11-04332



TELEX ANR 500 HEADSET



The Airman ANR 500 features an all new design, and includes volume control and a panel power option. Designed for comfort and durability with stainless steel at the stress points, this well balanced headset evenly distributes weight on head without pressure points, and weighs in at just 7 oz. 198g. Foam-filled moleskin ear cushions are standard. An electret noise cancelling microphone is mounted on flexible boom, adjustable for left or right side operation. The battery module includes for power, volume, and stereo/mono operation, as well as a low battery indicator and a metal clothing clip. The battery pack accepts 1 9V alkaline battery supplied for 50 hours typical flying time. Panel power is available as an option. NRR of 12 dB passive 13-14 dB active below 1000 Hz.

Battery Powered.....P/N 11-00013

TELE HEADSETS - SPORT-LINK HEADSETS/HELMETS

TELEX ECHELON 25XT HEADSET



The Echelon 25XT packs additional comfort and performance features onto the solid Echelon platform. The 25XT includes Tele's innovative cell phone/MP3 adapter that allows you to attach both your cell phone and MP3 player at the same time. No more switching cords. Need to communicate? Simply mute them both at a touch of a button. For increased comfort, the Echelon 25XT features a plush, thick foam headband pad and newly designed, more comfortable ear cushions. The Echelon 25XT also offers individual

volume controls for each ear cup and a stereo/mono select switch.

FEATURES: • Total Noise Reduction • Customize Your Headset for a Comfortable Fit • Cell Phone/Audio Adapter • Advanced Microphone Technology • Impact-Resistant Headband Design • Seal Out Sound. Seal In Comfort. • Total Control Means Superior Sound • Boom Microphone • Flight Bag • Weight: 13.6 oz/386 grams

P/N 11-04563

TELEX AIRMAN 750 HEADSET



A featherweight headset which is the lightest in the industry 2.5 oz. Features a miniature noise-cancelling electret microphone that provides superior 400 Hz hum rejection. Microphone pivot arm pivots 310° for use on left or right side. The optional Tele PT-300 push-to-talk switch is recommended for use with the Airman 750.

P/N 11-09500

Foam Ear Cushions for 750/760

TELEX AIRMAN 750 SINGLE-SIDED HEADSET

The Airman 750SS is 25% lighter than the Airman 750. Its effective weight without the cord is only 2.4 oz. Many pilots prefer the ergonomics of a single sided headset. It eliminates the need to pull off one of the earphones when listening to cockpit conversations.

P/N 11-01123



SUPER SOFT TOP FOR HEADSETS



The Super Soft Top headset is the ultimate in comfort. Put this headset on and feel the difference. It contains two layers of foam and one layer of polyester wool that is covered with a 90% cotton fabric for maximum humidity absorption. Easy to install, it fits the following headsets:

- All David Clark models, (except DC20-10 series)
- All Pilot Avionics models, (except PA-1776, PA-1779, Premier, Concord NE, Commander series)
- All Marv Golden MG's * All Sigtronics
- All ASA's * All Softcom's
- All Flightcom models (except F-20 & Eclipse)

P/N 13-00358

HEADSET COMFORTOP



Replaces the original head pad with a sheepskin pad providing optimum comfort.

P/N 11-03014

NAV-DATA DELUXE HEADSET



The Nav-Data Technologies deluxe headset has one of the best passive noise reduction ratings of any headset available at any cost. There are many reasons to own the Nav-Data headset

- * Switch selectable stereo or mono operation
- * Dual volume controls
- * Gel earseals for extra comfort and noise attenuation
- * Super padded head band for comfort during long flights
- * Full flexible mic boom - stays where you put it
- * Noise canceling electret mic
- * Weighs only 14.3 ounces

P/N 13-06087

SPORT-LINK INTERCOMS



Two Place Electret..... P/N 11-05327

Two Place Dynamic.... P/N 11-05328

SPORT-LINK HEADSETS



Single headset, Electret..... P/N 11-05330

Single headset, Dynamic.... P/N 11-05329

Headset, General Aviation... P/N 11-05337

Dual headset System, Electret P/N 11-05338

Dual headset System, Dynamic P/N 11-05339

SPORT-LINK OPEN FACE HELMET SYSTEM



Dual helmet System, Electret... P/N 11-05496

Dual helmet System, Dynamic... P/N 11-05497

Single helmet System, Electret P/N 11-05498

Single helmet System, Dynamic P/N 11-05499

SPORT-LINK DETACH HELMET SYSTEM



Dual Detach System, Electret... P/N 11-05500

Dual Detach System, Dynamic. P/N 11-05501

Detach helmet / Electret headset only

P/N 11-05502

Detach helmet / Dynamic headset only

P/N 11-05503

Detach helmet, Shell only - Specify Black Gloss, Red, Gloss, Silver Metallic, White Metallic Large will fit S, M, and L 2 will fit larger than L Part runs small For size measure right above ears all the way around head..... P/N 11-05504

SPORT-LINK FULL FACE HELMET SYSTEM



Concept 1 System, Electret P/N 11-05407

Concept 1 System, Dynamic P/N 11-05408

C1 Single helmet only, Electret P/N 11-05409

C1 Single helmet only, Dynamic P/N 11-05410

C2 Single helmet only, Electret..... P/N 11-05411

C2 Single helmet only, Dynamic..... P/N 11-05412

Single Face Shield C1 P/N 11-05413

SPORT-LINK RADIOS / PTT / CABLES

| Description | Part No. | Price |
|-----------------------------------|----------|-------|
| Icom A4, A3, A22, A24, A6 PTT | 11-05331 | . |
| Icom A5, A23 PTT | 11-05332 | . |
| RC/Icom A20, A21 PTT | 11-05333 | . |
| FRS / GMRS PTT dual plug version | 11-05334 | . |
| General Aviation PTT - shielded | 11-05335 | . |
| General Aviation PTT - unshielded | 11-05336 | . |
| Cell Phone Cord | 11-05415 | . |
| Music Cord | 11-05417 | . |
| Power Cord | 11-05414 | . |

SPORT-LINK ACCESSORIES

| Description | Part No. | Price |
|-------------------------|----------|-------|
| Intercom - Pac | 11-05419 | . |
| Speaker, Extended range | 11-05420 | . |
| Mic. Boom | 11-05421 | . |
| Dynamic Mic. | 11-05422 | . |
| Electret Mic. | 11-05423 | . |
| Heavy Duty Wind Screen | 11-05424 | . |
| Peak Visor | 11-05425 | . |
| helmet Extension | 11-05426 | . |

AV

HEADSETS



PELTOR ANR 9500 DIGITAL HEADSET

Digital and Analog ANR Aviation Headgear Aviation Headset White/Black * Foam and Gel Sealing Rings * Bag * Cell And CD Audio Cables
* Power Changer P/N 11-07590



PELTOR SPORT LE SERIES

These passive aviation headsets from Peltor feature a new hygiene kit for increased comfort level and include an aviation carrying case. Color Midnight blue. Lifetime warranty.

7000 SERIES STARTER AVIATION HEADSET

- Includes deluxe carrying case, foam/liquid earseals, single volume control knob, 180 electret swivel boom mic, folding headband, midnight blue cups, Lifetime warranty. NRR 24 dBA. P/N 11-01580

7000 SERIES STARTER HELICOPTER HEADSET - Same as the aviation series but comes with the single plug helicopter cable assembly, midnight blue cups. Lifetime warranty. NRR 24 dBA. P/N 11-01581



PELTOR PRO GT SERIES

These passive aviation headsets from Peltor feature new gel earseals, new goose neck boom design, new shielded cable assembly, and a Lifetime warranty, aviation carrying case included. Available in midnight blue white.

7000 SERIES PREMIUM AVIATOR HEADSET -

Includes deluxe carrying case, gel earseals, single volume with independent earphone level control, premium 180 electret boom mic, shielded cable assembly, deep cup design for increased ear room. Lifetime warranty. NRR 26 dBA. Midnight blue cups. P/N 11-01582

7000 SERIES PREMIUM AVIATOR NECKBAND HEADSET - Same as the headband model aviation series but comes with a neckband model headset for use with hats. Midnight blue cups. P/N 11-01584

7000 SERIES PREMIUM HELICOPTER HEADSET - Same as the headband model aviation series but come with a single plug helicopter format cable assembly, midnight blue cups. NRR 26 dBA. P/N 11-01585

HEADSET ACCESSORIES

Deluxe Carrying Bag P/N 11-01586

Foam/Liquid sealing ring w/ foam inserts - sold as a pair P/N 11-01587

Gel sealing cushions - sold as a pair P/N 11-01588

Mic foam windscreen for Sport LE series P/N 11-17019



PELTOR WORK TUNES

WorkTunes is a self-contained AM/FM noise attenuating headset NRR 25db which provides hearing protection combined with an AM/FM radio to provide. Features include a wide, soft padded headband, flexible antenna, automatic soft switch from stereo to mono for areas with weak signals, and quick and easy tuning and volume adjustments, and wide, soft cushions for low pressure, excellent sealing, and added comfort. P/N 11-01589



PELTOR NORDICA SPORT/ NORDICA SPORT GT

Peltor blends them masterfully with Nordica the aviation headset developed to soar far beyond the expectations of the most discriminating pilots. • Lightest Weight • Headset Avail. • Only 9.8 ounces • Four Dual-Color Designs • Crisp, Clear Reception/Transmission • Contoured, Low Profile Ear Cups • NRR 23 db
Peltor Nordica Sport Red P/N 11-05252

Peltor Nordica Sport GT Grey P/N 11-05248

Peltor Nordica Sport GT Yellow P/N 11-05249

Peltor Nordica Sport GT Blue P/N 11-05251

PELTOR ACCESSORIES

Mic Muff for 7000 P/N 11-17019

Mic Muff for S4 P/N 11-18535



PLANTRONICS HEADSET

The popular MS50/T30-3 from Plantronics is similar to the Starset model but is worn clipped to eyeglasses or on a headband. The MS50/T30-3 is very comfortable and like all Plantronics headsets, extremely reliable and widely used in the airline industry. Comes with a headband, storage bag, and eartips. P/N 11-12045



MS200 PLANTRONICS HEADSET

Combines a unique lightweight design and advanced technology to deliver the ultimate in comfort and reliability. The noise-canceling microphone enables clear, uninterrupted communications between air and ground. Its compact under-the-ear design ensures a secure, comfortable fit for extended wear, yet is convenient to carry and stow. Features * ear every word through superior audio quality * 5-foot cord with one each P 055 and P 068 plug. * FAA approved P/N 13-06563



NORDICA SPORT AVIATION HEADSETS

Peltor blends them masterfully with Nordica, the aviation headset developed to soar far beyond the expectations of the most discriminating pilots. Features Lightest weight headset available. 9.8 ounces. Three dual-color designs. Crisp, clear reception/transmission. Contoured, low profile ear cups.
Nordica Sport Headset Grey P/N 11-04554

Nordica Sport Headset Blue P/N 11-04555

Nordica Sport Headset Yellow P/N 11-04556

Peltor Deluxe Carrying Bag P/N 11-01586

Peltor Foam/Liquid Sealing Ring P/N 11-01587

Peltor Gel Sealing Cushions P/N 11-01588

Peltor Cloth Ear Covers P/N 11-04557

Peltor Microphone Windscreen P/N 11-04558

Peltor Clothing Clip P/N 11-04559



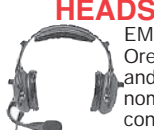
PILOT'S HEADSET CUSHION

Constructed of plush 3/4 thick sheepskin genuine leather. Does your headset feel uncomfortable and create a sore spot on the top of your head after wearing it for just a short time? If so, you need our plush, super soft sheepskin and leather headset cushion. The soft sheepskin rests on your head instead of the uncomfortable headset pad. Designed to fit all headsets with its adjustable velcro closure. Extra velcro across top also holds your flashlight for nighttime flying. Relieves all contact and pressure on the top of your head for even the longest trips. P/N 13-40730



PTL EARMUFFS

The only muff that lets workers listen safely without removing their muffs. When workers lift their muffs, they lower their protection. Now Peltor puts safe listening at their fingertips. Just push the button on the PTL muff and speech sounds outside the muff cup can be heard inside -- clearly and safely. After 30 seconds, the muff automatically returns to its full protection with an NRR of up to 26 dB. Listen again just push again. It's that simple. Two styles to choose from • Hi-Viz PTL: • 26 NRR • Hi-Viz color for recognition of workers in low light conditions • A perfect choice for road construction, airport, utility workers Behind-the-head PTL: • Behind-the-head band design allows for easy use with hard hats • Two low mounting points provide great comfort • 26 NRR P/N 11-04300



HEADSETS, INC. EM-1 ANR HEADSET

EM-1 features conservative dark green ear cups, an Oregon Aero SoftTop padded headband, gel ear seals, and place-it-anywhere mic boom which makes it ergonomically friendly. Stereo capable with individual volume controls for each ear and a switch on the cord for mono or stereo audio. New ANR modules are made of softer material for better noise absorption. Ear cups are also rubberized for the same reason. A separate battery box is used and shares a cord with the mic/phone jacks, eliminating the need to unite 2 separate cords. The cords are heavily reinforced at attach points to avoid wear or breakage. The cords separate at the end so you can find a convenient place to stow the battery box in the cockpit. Optional power sources allow the EM-1 to be powered by the aircraft's electrical system, a cigarette lighter, or rechargeable battery. Comes with a 3-yr warranty, headset bag, the Oregon Aero SoftTop, gel ear seals. P/N 11-00512



SILICONE GEL EAR SEALS

Gel ear seals conform to the shape of your head, resulting in an airtight fit which is required for proper anr performance. If your earseals are the older dry foam or liquid filled they must be replaced. P/N 11-03011



AUTO SHUT-OFF BATTERY BOX

This option will extend the battery life by automatically turning off after 4 minutes of inactivity. The flashing LEDs act as a reminder that the power is on and changes color from green to yellow to red as the battery depletes. P/N 11-03013

PILOT USA HEADSETS

PA1779T ANR HEADSET



- Passive: 25dB (NR)
- Active: 20-22dB
- Auto Shut-off
- Cell/Satellite phone battery interface
- Auxiliary audio interface for music or audible checklist/warnings
- Mono/Stereo capability
- Dual volume control
- Twin layer gel ear seals
- Custom padded case
- Rechargeable NIMH battery
- Usage time: 30-40 hrs.
- Weight: 14.9 oz 423 grams
- 5-year warranty
- Made in USA

| Model | Part No. | Price |
|------------------------|----------|-------|
| PA-1779T | 11-11515 | . |
| PA-1779T helicopter | 11-03538 | . |
| PA-1779TP Panel Mount | 11-00440 | . |
| PA-1779TB Bose Connect | 11-03539 | . |

PA1771T ANR HEADSET



- Active: 20-22
- Passive: (NRR) 25dB
- Cell/Satellite phone
- Dual volume control
- Auxiliary audio interface
- Custom padded case for music or audible checklist/warnings
- 9V alkaline battery
- Mono/Stereo capability
- Battery life: 25-30 hrs.
- Weight: 12.9 oz 366 grams
- Auto shut-off
- 5-year warranty
- Made in the USA

| Model | Part No. | Price |
|---------------------|----------|-------|
| PA-1771T | 11-02110 | . |
| PA-1771T helicopter | 11-03537 | . |

PA1761T ANR HEADSET



- Active: 16-19dB
- Passive: (NRR) 23dB
- Cell/Satellite phone interface
- All flexible mic boom
- Mono/Stereo capability
- Dual volume control
- Auto shut-off
- Twin layer gel ear seals
- Powered by 9V battery
- Battery life: 25-30 hrs.
- Weight: 12.9 oz (366 grams)
- Padded Protective bag
- Auxiliary audio interface for music or audible check list/warnings
- 3-Year Warranty

| Model | Part No. | Price |
|---------------------|----------|-------|
| PA-1761T | 11-03550 | . |
| PA-1761T helicopter | 11-06505 | . |

PA2170T PASSIVE HEADSET



- Passive: (NRR) 26dB
- Cell/Satellite phone interface.
- Auxiliary audio interface for music or audible checklist / warnings
- Mono/Stereo capability for music or audible
- Dual volume control interface
- Padded protective bag
- Weight 10.9 oz 305 grams
- Five-year warranty
- Made in the USA

| Model | Part No. | Price |
|---------------------|----------|-------|
| PA-2170T | 11-04940 | . |
| PA-2170T helicopter | 11-03553 | . |

PA1181T PASSIVE HEADSET



- Passive: (NRR) 23dB
- Push-to-talk switch
- Mono/Stereo capability
- Dual volume control
- All flexible mic boom
- 5-year warranty
- Twin layer gel ear seals
- Padded protective bag
- Triple-plated black hard
- Auxiliary audio interface audible checklist/warnings
- Weight: 13.4 ounces
- Cell/Satellite phone interface
- 3-Year Warranty

| Model | Part No. | Price |
|---------------------|----------|-------|
| PA-1181T | 11-03554 | . |
| PA-1181T-P Pink | 11-07326 | . |
| PA-1181T helicopter | 11-03555 | . |

PA1171T PASSIVE HEADSET



- Passive: (NRR) 24dB
- Weight: 14.5 oz
- Cell/satellite phone interface
- 3-year warranty
- Telescopic-flex mic boom
- Leatherette soft seals
- Mono/Stereo capability
- Dual volume control
- Padded Protective bag
- SuperCushion headband
- Auxiliary audio interface for music / audible checklist/warnings
- 3-Year Warranty

| Model | Part No. | Price |
|---------------------|----------|-------|
| PA-1171T | 11-03556 | . |
| PA-1171T helicopter | 11-03557 | . |

PA1161T PASSIVE HEADSET



- * Passive Noise Reduction NRR 24dB
- * Auxiliary audio interface for music or audible checklists/warnings
- * Fle memory microphone boom
- * Noise canceling electret microphone
- * Mini SuperCushion head pad
- * Mono/stereo capability

* Liquid/Foam ear seals * Individual volume control * Warranty 3 yrs

| Model | Part No. | Price |
|---------------------|----------|-------|
| PA-1161T | 11-04063 | . |
| PA-1161T helicopter | 11-03559 | . |

P-1151AC PILOT CHILD PASSIVE HEADSET



- Passive: 24dB (NR)
- Auxiliary audio interface for music or audible checklist / warnings
- Designed for children (1.5 - 10 yrs)
- Extra small headband for perfect fit
- Super Cushion Headpad
- Miniature all flexible mic boom
- Foam ear seals
- Weight: 13.9 oz (389 grams) • 3-Year Warranty

| Model | Part No. | Price |
|------------------|--------------|-------|
| PA-1151ACB Boys | P/N 11-09660 | . |
| PA-1151ACG Girls | P/N 11-03540 | . |

PA-1779M MILITARY HEADSET



- Passive: 23dB (NR)
- Active: Additional 20-22dB
- Shielded coiled cord with 174/ four conductor plug
- M-87 dynamic microphone
- M-101 dynamic mic also avail.
- Twin layer gel ear seals
- Custom padded protective case

- Rechargeable NIMH Battery
- Usage Time: 35-40 hrs
- Weight: 14.5 oz (406 grams)
- 5-year Warranty
- Made in the USA

| Model | Part No. | Price |
|-------------|----------|-------|
| PA-1779M87 | 11-06539 | . |
| PA-1779M101 | 11-06538 | . |

PA-1176M MILITARY HEADSET



- Passive: 24dB
- Shielded coiled cord with 174/ Metal-Flex sliding mic boom
- M-87 dynamic mic
- Super cushion headpad
- Padded Protective Bag
- M-101 dynamic mic also avail.
- Weight: 14.5 oz (406 grams)

• 3-year Warranty

| Model | Part No. | Price |
|------------|----------|-------|
| PA1176M101 | 11-06542 | . |
| PA-1176M87 | 11-06543 | . |

PA-1166M MILITARY HEADSET



- Passive: 24dB
- Shielded coiled cord with 174/ Metal-Flex sliding mic boom
- M-87 dynamic mic
- Super cushion headpad
- Padded Protective Bag
- M-101 dynamic mic also avail.
- Weight: 14.5 oz (406 grams)

• 3-year Warranty

| Model | Part No. | Price |
|-------------|----------|-------|
| PA-1166M101 | 11-06544 | . |
| PA-1166M87 | 11-06545 | . |

PILOT USA ACCESSORIES

EAR SEALS



- PA- 1S C - 3/4 Large Soft Cushion Ear Seals for DNC-XL... P/N 11-04946.....
- PA- 1S C - 3/4 Large Leatherette Soft Cushion Ear Seals. P/N 11-07873.....
- PA- 1G - Twin Layer Gel Ear Seals Dor DNC-Series P/N 11-04960.....
- PA- 1G - Twin Layer Gel Ear Seals. P/N 11-04680.....
- PA- 0 - Cloth Ear Seal Covers..... P/N 11-04950.....

MICROPHONES



- A. PA-3..... P/N 11-06557.....
- PA-5..... P/N 11-06558.....
- C. PA-7..... P/N 11-06559.....
- PA-9..... P/N 11-06560.....
- SHEEPSKIN HEAD PADS**
- 114213S..... P/N 11-06566.....

WINDSCREENS



- A. PA-10..... P/N 11-06562.....
- PA-10L..... P/N 11-04026.....
- OPEN COCKPIT MIC COVERS**
- C. PA-11..... P/N 11-06564.....
- PA-11L..... P/N 11-06565.....

AV

SOFTCOMM HEADSETS - NOISEBUSTER®



SOFTCOMM C-10 CHANCELLOR HEADSET

- 24 db passive NRR • Mono/Stereo switchable • Built-in PTT switch • Black gel and foam earseals included • M-56 electret mic • 66" Flexible Heavy Duty Cables • Wt: 15.1oz. head weight • 5 year warranty

P/N 11-03756



SOFTCOMM C-20 PHOENIX HEADSET

- 23 db passive NRR • 5 year warranty • Mono/Stereo switchable • Extra large thick soft ear seals • M-56 electret mic • 66" Flexible Heavy Duty Cables • Weight: 13.9 oz. head weight

P/N 11-04761



SOFTCOMM C-35 WHITE KNIGHT HEADSET

- 22 db passive NRR • 3 year warranty • Mono / Stereo switchable • Lightweight foam ear seals • M-56 electret mic • 66" Flexible Heavy duty cables • Wt: 11.9 oz. head weight

P/N 11-03759



SOFTCOMM C-40 PRO-AM HEADSET

- 23 db passive NRR • Mono only • Lightweight foam ear seals • M-56 electret mic • 66" Flexible Heavy Duty Cables • Wt: 12.3 oz. head weight • 3 year warranty.

P/N 11-03761

Stereo P/N 11-03762

helicopter P/N 11-04131



SOFTCOMM C-45 PRINCE HEADSET

- 22 db passive NRR • Mono only • Lightweight foam ear seals • M-56 electret mic • 66" Flexible Heavy Duty Cables • Wt: 11.4 oz. head weight • Folds into Ball • 3 year warranty.

P/N 11-03763

C-4 -10A lack ith Audio

P/N 11-06368



SOFTCOMM C-80 BNE HEADSET

- 24db passive NRR • Mono/Stereo switchable • M-57 electret mic • Fully flexible mic boom • 66" Flexible Heavy Duty Cables • Wt: 14 oz. C-80 head weight • Wt: 15.6 oz. • 3 conductor cell phone compatible • 3 yr warranty

P/N 11-00211



C45-10 CHILD PRINCE HEADSET

- 22 db passive NRR • Mono only • Smaller lightweight foam ear seals • M-56 electret mic • 66" Flexible Heavy Duty Cables • Wt: 11.0 oz. head weight • Folds into Ball • 3 year warranty • Red P/N 11-03764
- Purple P/N 11-07123
- C-4 -10A - w/ audio plug for CD, DVD, MP3 players or handhelds video games. P/N 11-05946

SOFTCOMM HEADSET ACCESSORIES

Black Gel Ear Seals P/N 11-11834 Pr.
 Cloth Comfort Covers P/N 11-11810 Pr.
 Foam Mike Muff P/N 11-11820 Ea.
 Nylon Flight Bag P/N 11-11808 Ea.



C-200 CENTURION

The C-200 headset features a contoured head pad for a soft, comfortable fit, a flexible boom articulating fulcrum with adjustable mic boom and mic muff, and a small power pack with low battery LED indicator. The C-200 is cell phone ready and is complete with interface pack, interconnect cable and hands free adaptor. Other features include silver black dunes with silver lettering, gel and foam filled ear seals stereo/mono switch and dual volume controls, noise canceling electret mic and RF immune M-56 amplifier, -24 db passive and -19 ANR, and push-to-talk switch on ear dome. t 14 oz. Power 9V battery.

3 year warranty. Made in the USA. Specifications: • Head Weight: 14.2 oz. • Total weight: 18.5 oz. • NR Rating: -24 db Passive, -19 db active warranty 3yr unconditional. P/N 11-03019

SOFTCOMM C-300 CENTURION

The C-300 headset features a fail safe power feature which automatically converts to a full performance -24 dB passive headset should ANR circuit fail. The C-300 is cell telephone ready with amplified volume, detachable cable supplied for ground phone use in noisy environments. Supports Cell Phones equipped with a 2.5mm 3 conductor hands free pack. Listen to both Cell-phone and ATC at same time. The C-300 has noise attenuation of -19db active ANR and -24 db passive, a unique noise absorbing material, positive set flexible boom, soft foam ear seals, cloth covers and mic muff. Made in the USA. Specifications •Weight: 16.2 oz •Total Weight: 21.7 oz •NR Rating: -24 db Passive, -17 db active • Warranty: 3yr Unconditional P/N 11-03020



SOFTCOMM C-40-10 RED BARON

- 23 db passive NRR • Mono only • Lightweight foam ear seals • M-56 electret mic • 66" Flexible Heavy Duty Cables • Wt: 12.5 oz. head weight • 3 year warranty

P/N 12-01087



SOFTCOMM C-50 BLACK KNIGHT

- 22 db passive NRR • Mono only • Lightweight foam ear seals • M-56 electret mic • 66" Flex HD Cables • Wt: 11.4oz. head weight • Folds into Ball

P/N 11-02654



SOFTCOMM C-60 SILVER EDITION

- 24 db passive NRR • PTT in Dome • Mono/Stereo switchable • Lightweight foam ear seals • M-56 electret mic • 66" Flexible Heavy Duty Cables • Wt: 14.9 oz. headweight • 5 year warranty

P/N 11-03766

C- 0M - Racing Version Dynamic mic

P/N 11-11826

C- M - helicopter Version w/M-8 Military Mic for

P/N 11-11845

very noisy helicopters

SOFTCOMM C-45-20 YOUTH / PASSENGER ANR

- 22 db passive NRR • 17 db active NRR • Mono/Stereo switchable • M-56 electret mic • 66" Flexible Heavy Duty Cables • Wt: 14.5 oz. head weight • Incl. child & adult lightweight foam ear seals • Folds into Ball • 3 yr warranty • Purple

P/N 11-01283



NOISEBUSTER

Electronically cancels irritating background noise so you can enjoy peace and quiet or enhanced clarity of music with reduced distortion. Try it on an airplane to reduce engine din and enhance the sounds of in-flight entertainment. NoiseBuster delivers the utmost in music clarity when used with portable audio devices. Features: • Digital-ready stereo headphones, delivering high impact stereo sound • Comfortable, lightweight, easy to adjust • Foldable for portability and easy storage (travel pouch incl.) • Airplane seat dual-prong adapter (included) • AAA battery included • Audio play-through with or without noise reduction. P/N 11-00107



COMTRONICS HEADSETS & HELMETS

COMTRONICS HEADSETS

COMTRONICS ULTRA-LIGHT HEADSET MODEL - 3000 - * Noise-canceling electret microphone * Individual ear muffs adjust up/down * Full cover pillow-style headband * 29dB noise-canceling ear-muffs * 100 dielectric materials * Contemporary design * Light weight 12 oz. * Available in gray * Extra cost options gel/foam earseal set foam or leather wind-screen. P/N 11-07424

COMTRONICS STANDARD GENERAL AVIATION HEADSET MODEL-EL-3000 - General Aviation Model-3000 headset is lightweight at 10oz., has gray muffs uses an electret noise-canceling microphone and has 25dB noise attenuation. This headset is also very comfortable, has a soft headband, and gel ear seals can be added as well. P/N 11-07427

COMTRONICS AERO-COM SYSTEM - Each includes Two headsets and the Intercom specified.

| Model | Headsets | Intercom | Part No. | Price |
|-----------------------------|-----------------|-----------------|----------|-------|
| Aero-Com 3000 - Itra-Com II | Itra-Light 3000 | Itra-Com II | 11-07411 | . |
| Aero-Com 3000 - Dual-Com | Itra-Light 3000 | Dual-Com II | 11-07412 | . |
| Aero-Com 3000 - Dual-Com | Itra-Light 3000 | Panel Mount III | 11-07413 | . |

COMTRONICS ULTRA-LIGHT HEADSET MODEL - 3100 - Form by itself or fitted inside our PRO-COM helmet completing the audio system * 31 dB noise-attenuating earcups are comfortable * Light weight 15oz. * Available in black * Extra cost options gel/foam earseal set foam or leather wind-screen P/N 11-07425

COMTRONICS DELUXE GENERAL AVIATION HEADSET MODEL-3100 - General Aviation Model-3100 headset uses the same 31dB noise-attenuating black muffs as the ultralight headset. It is lightweight at 15oz., and has an electret noise-canceling microphone. These are one of the most comfortable and quietest passive headsets on the market today. Gel/foam ear seals are also available and extremely comfortable as the seal nicely around the ear and eyeglass arms. P/N 11-07428

COMTRONICS AERO-COM SYSTEM - Each includes Two headsets and the Intercom specified.

| Model | Headsets | Intercom | Part No. | Price |
|-----------------------------|-----------------|-----------------|----------|-------|
| Aero-Com 3100 - Itra-Com II | Itra-Light 3100 | Itra-Com II | 11-07414 | . |
| Aero-Com 3100 - Dual-Com | Itra-Light 3100 | Dual-Com II | 11-07415 | . |
| Aero-Com 3100 - Dual-Com | Itra-Light 3100 | Panel Mount III | 11-07416 | . |

COMTRONICS HEADPHONE - * Listen-only * Available in black only * Extra cost option gel/foam earseal set P/N 11-07429

COMTRONICS HEADSET ACCESSORIES

| Description | Part No. | Price |
|--|----------|-------|
| Coiled cord option for headsets/ | 11-07438 | . |
| Gel/Foam Ear Seal Cushions | 11-07439 | . |
| Itra Paq II - heavy duty pack for the Itra-Com II intercom | 11-07442 | . |
| Dual Paq II - heavy duty pack for the Dual-Com II intercom | 11-07443 | . |
| Indscreen - Foam / Dynamic | 11-07445 | . |
| Indscreen - Leather / Dynamic | 11-07446 | . |
| Indscreen - Foam / Electret | 11-07447 | . |
| Indscreen - Leather / Electret | 11-07448 | . |

COMTRONICS HELMETS

COMTRONICS ULTRA-PRO HF HELMET - The ULTRA-PRO HF helmet has a built-in communication system using an electret microphone, built-in ear cups, quick release face shield with either a single plug for ultralight audio or two plugs for general aviation audio. This helmet has an ultra-plush interior and cheek pads are added to prevent air and noise from entering the helmet. Adjustable top vent and rear exhaust diffuser keep the helmet at a comfortable temperature. P/N 11-07505

Colors available are Metallic White, Metallic Silver, Metallic Blue, Flat titanium, Black, and Flat Black. Please specify color and size. See sizing chart.

COMTRONICS ULTRA-PRO HP HELMET - The ULTRA-PRO HP helmet is similar to the Itra-Pro 2000 using the same audio. This helmet is a different design and has a large central air channel technology vent system designed to flow massive amounts of air. Also included with the helmet is the ram air visor. P/N 11-07506

Colors available are Metallic White, Metallic Silver, Metallic Blue, Flat titanium, Black, and Flat Black. Please specify color and size. See sizing chart.

COMTRONICS ULTRA-PRO STANDARD - Earmuffs are attached to a detent on the outside surface of this helmet allowing easy entry and the ability to converse with student while making pre-flight inspections.

VL Audio P/N 11-07390
No Audio P/N 11-07394
Colors available are White, Red, Silver, or Black. Sizes Available Small, Medium, Large, X-Large, and XX-Large. Please specify color and size. See sizing chart.

COMTRONICS INSTRUCT-COM SYSTEM - Each includes Two helmets and the Intercom specified.

| Model | Helmet | Intercom | Part No. | Price |
|---------------------------------|-------------------|-----------------|----------|-------|
| Instruct-Com Std. - Itra-Com II | Itra-Pro Standard | Itra-Com II | 11-07401 | . |
| Instruct-Com Std. - Dual-Com | Itra-Pro Standard | Dual-Com II | 11-07402 | . |
| Instruct-Com Std. - Dual-Com | Itra-Pro Standard | Panel Mount III | 11-07403 | . |

Note Please specify color and size of helmet. See colors available above, and sizing chart

COMTRONICS ULTRA-PRO 2000 - Earmuffs are attached to a spring steel wire frame which is secured to the inside surface of shell. This arrangement provides a more positive seal for noise reduction caused by the engine, propeller and wind. Colors available are White, Red, Silver, or Black. Sizes Available Small, Medium, Large, X-Large, and XX-Large. Please specify color and size. See sizing chart.

VL Audio P/N 11-07391
No Audio P/N 11-07395

COMTRONICS INSTRUCT-COM SYSTEM - Each includes Two helmets and the Intercom specified.

| Model | Helmet | Intercom | Part No. | Price |
|---------------------------------|-----------------|-----------------|----------|-------|
| Instruct-Com 2000 - Itra-Com II | Itra-Pro 2000 | Itra-Com II | 11-07404 | . |
| Instruct-Com 2000 - Dual-Com | Itra-Light 2000 | Dual-Com II | 11-07405 | . |
| Instruct-Com 2000 - Dual-Com | Itra-Light 2000 | Panel Mount III | 11-07406 | . |

Note Please specify color and size of helmet. See colors available above, and sizing chart

COMTRONICS PRO-COM - Same basic shell and upholstery as the Standard and 2000 models and accommodates the installation of a Model 3100 headset to complete the audio system. Comes with a peak visor and can be fitted with an optional full face shield clear or smoke.

VL Audio P/N 11-07392
No Audio P/N 11-07396

Colors available are Metallic White, Metallic Silver, Red, Blue, Black. Sizes Available Small, Medium, Large, X-Large, and XX-Large. Please specify color and size. See sizing chart.

COMTRONICS INSTRUCT-COM SYSTEM - Each includes Two helmets and the Intercom specified.

| Model | Helmet | Intercom | Part No. | Price |
|------------------------------------|---------|-----------------|----------|-------|
| Instruct-Com Pro-Com - Itra-Com II | Pro-Com | Itra-Com II | 11-07417 | . |
| Instruct-Com Pro-Com - Pro-Com | Pro-Com | Dual-Com II | 11-07418 | . |
| Instruct-Com Pro-Com - Pro-Com | Pro-Com | Panel Mount III | 11-07423 | . |

Note Please specify color and size of helmet. See colors available and sizes above

COMTRONICS ULTRA-PRO FULL FACE - Full face fiberglass helmet with a smoke or clear flip-up visor. Fitted with plush liner for comfort. Interior ear phones surround ears with soft form fitting pads to enhance audio reception. Complete with a pair of 2-inch speakers and an Electret microphone built-in. Colors available are White, Red, Black, or Red Blue graphics. Sizes Available Small, Medium, Large, X-Large, and XX-Large. Please specify color and size. See sizing chart above.

VL Audio P/N 11-07393
No Audio P/N 11-07397

GA Electronics Option/ helmet P/N 11-07398

COMTRONICS INSTRUCT-COM SYSTEM - Each includes Two helmets and the Intercom specified.

| Model | Helmet | Intercom | Part No. | Price |
|-------------------------------|--------------------|-----------------|----------|-------|
| Instruct-Com FF - Itra-Com II | Itra-Pro Full-Face | Itra-Com II | 11-07420 | . |
| Instruct-Com FF - Dual-Com | Itra-Pro Full-Face | Dual-Com II | 11-07421 | . |
| Instruct-Com FF - Dual-Com | Itra-Pro Full-Face | Panel Mount III | 11-07422 | . |

Note Please specify color and size of helmet. See colors available above, and sizing chart.

ACCESSORIES

| Description | Part No. | Price |
|--|----------|-------|
| Helmet Bag - Fleece Lined | 11-07437 | . |
| Coiled Cord - helmet/headset Option | 11-07438 | . |
| Gel/Foam Ear Seal Cushions | 11-07439 | . |
| Face Shield - Clear | 11-07440 | . |
| Face Shield - Smoke | 11-07441 | . |
| Itra Paq II - heavy duty pack for the Itra-Com II intercom | 11-07442 | . |
| Dual Paq II - heavy duty pack for the Dual-Com II intercom | 11-07443 | . |
| Peak Visor | 11-07444 | . |
| Indscreen - Foam / Dynamic | 11-07445 | . |
| Indscreen - Leather / Dynamic | 11-07446 | . |
| Indscreen - Foam / Electret | 11-07447 | . |
| Indscreen - Leather / Electret | 11-07448 | . |

COMTRONICS INTERFACE CABLE - Interface cables are designed to connect our helmets or intercoms to your transceiver. More than 100 different interface and custom cables available.

| Cable For: | Part No. | Price | Cable For: | Part No. | Price |
|--------------|----------|-------|--------------|----------|-------|
| IC A6/14 | 11-07450 | . | Verte | 11-07451 | . |
| Sporty Radio | 11-07461 | . | ICA22/A3 | 11-07452 | . |
| IC-A23 | 11-07453 | . | IC-A4 | 11-07454 | . |
| KX 99 | 11-07455 | . | AIR 960 | 11-07456 | . |
| IC-A20 | 11-07457 | . | Tele | 11-07458 | . |
| Narco ST | 11-07459 | . | Radio Shk CB | 11-07460 | . |



HEADSETS

ASA AIRCLASSICS HEADSET WITH NEW FLEX BOOM



S-1A headset features * Earcups of high-density acoustic foam * High fidelity speakers * Electret, noise-canceling microphone * Gold-plated microphone and headphone plugs * High-grade, multi-strand wire * Stereo/mono capability * Large, dual controls * Microphone muff * Ad adjustable headband with easy thumb screws * Quality foam ear seals and light weight add to overall comfort * Sleek, all-Black design with ASA silver wings silk-screened on each earcup * Sturdy and reliable - yet reasonably priced for maximum value * Lifetime warranty.

S-1 headset features * Lifetime warranty * Stereo / mono capability * Earcups of high-density acoustic foam * High fidelity speakers for clear, natural sound * Electret, noise-canceling microphone reduces background noise and allows clearest voice transmission * Gold-plated microphone headband plugs ensure best connection resist corrosion * High-grade, multi-strand wire improves cable life * Large, dual controls for quick, easy volume adjustment of each ear * Microphone muff * Ad adjustable headband with easy thumb screws eliminates hot spots and accommodates eyeglasses and any head size * Quality foam ear seals and light weight add to overall comfort * Sleek, all-Black design with ASA silver wings tastefully silk-screened on each earcup * Sturdy and reliable - yet reasonably priced for maximum value.

ASA Airclassics headset S-1A..... P/N 13-06671.....
ASA headset S-1..... P/N 11-02452.....

SAFETYCELL HEADSET/ CELL PHONE ADAPTER



Allows a pilot to use his cell phone with his avionic headset and listen and transmit radio and phone transmissions simultaneously. SafetyCell is lightweight and portable, maintenance free and installs in seconds. Easy to use simply dial the phone normally, talk and listen through your headset. Great for primary and emergency communications and many other applications.

The Standard SafetyCell pictured utilizes sophisticated solid state circuitry to mix your cell phone and radio signals together and bring them into your headset where you can hear them clearly. It is small enough to fit in the corner of your flight bag and only weighs 6 oz. It does not require any batteries. It is compatible with any cellular telephone that accepts a hands free system i.e. has a 2.5mm jack on the phone. Some phones do require an adapter to work properly. This unit works without batteries so you must have a VOX style intercom for it to work properly.

NOTE This will only work in an extremely quiet environment the Standard SafetyCell is not amplified.

The Amplified SafetyCell is similar to the Standard SafetyCell but power packed with features. It is our most popular model. The amplified SafetyCell filters your radio and cell phone signals, cleans them up and then amplifies your cell phone volume by as much as 600%, depending on your phone/headset combination. Both the radio and the cell phone signals are then brought into the headset for loud and clear communication. This is the unit you will want if your plane is on the noisy side or if you have mature ears. This unit does not require any batteries but must be plugged into your VOX microphone to work properly. It can also be used with the optional battery pack for out of the plane use.

The battery powered SafetyCell unit is powered by a 9V battery which will last for hundreds of hours. It is housed in a slim custom case that will slip right into the pilot pocket in your airplane. The battery SafetyCell will work with any headset, in or out of the airplane. If you want to use your SafetyCell on your boat, lawn mower, truck or airplane, this is the unit for you. This unit is amplified and is about twice as loud as the amplified SafetyCell. It will work with any cell or satellite phone that has the standard 2.5mm earpiece jack for handsfree use. Phones that do not have this feature will require an adapter. This unit now has a separate input jack for your mp3 player or walkman.

The Bose Pin SafetyCell model is for those that have a built in Bose headset and do not use the Bose battery pack. This model is an amplified SafetyCell that is especially altered for the Bose headset circuitry. No batteries are required. The Bose 6 pin model fits between your headset and the panel to give you seamless integration of your cell phone and radios. The standard Bose locking connectors are supplied.

The Helicopter SafetyCell amplifies the cell phone by an incredible 12db and uses the standard military NATO Style single plug interface. This is the loudest SafetyCell we make

The Helicopter SafetyCell is amplified and will work either in or out of your craft. This unit is powered by a 9V battery so you do not have to have your intercom turned on for it to work. If your batteries go dead, your radios and intercom stay alive. All the batteries do is drive the cellphone.

Safety Cell Standard..... P/N 11-03003.....
Safety Cell Amplified..... P/N 11-01350.....
Safety Cell Battery powered..... P/N 11-03004.....
Safety Cell Bose 6 pin..... P/N 11-03009.....
Safety Cell Helicopter w/MP3..... P/N 11-03010.....

AVCOMM AC250 P/NR CHILD HEADSET



Features: • AVCOMM's exclusive P/NR™ audio technology • Perfect for kids or those who need a smaller headset • Simple & affordable design • Larger volume control knob — easy for a child to use • Ultra-lite Neodymium speakers • Lighter weight for added comfort • Higher noise attenuation • Acoustic mic muff included • Full 5yr factory warranty.

P/N 11-02260.....

AVCOMM AC454 P/NR STEREO HEADSET



Features: • AvComm's exclusive P/NR™ audio technology • Full spectrum stereo response • Each ear cup features an independent volume control • Ultra-lite Neodymium speakers • Built in Push-to-Talk • M-65 mic w/active filtering chip • 4-way adjustable wire boom • Deluxe Comfort package incl.

• Full 5yr factory warranty P/N 11-02261.....

AVCOMM AC747 P/NR CONVERTIBLE HEADSET



Features: • Exclusive P/NR™ technology and "plug and fly" design • Converts from general aviation to helicopter use (both cables included) • Full flex boom • Ultra-lite Neodymium speakers • Each ear cup features an independent volume control • M-65 microphone with active filtering chip • Deluxe Comfort Package incl. • 5yr factory warranty P/N 11-02262.....

AC900 P/NR CONVERTIBLE HEADSET



Features: • P/NR™ audio technology and full spectrum stereo response • Ultra-lite Neodymium speakers • M-65 microphone with "active filtering" chip • Full flex boom • Built-in push-to-talk • Mono-stereo switch built into the cord • Each ear cup features an independent volume control • Deluxe comfort package with deluxe gel ear seals • Full 5yr warranty. P/N 11-02263.....

AVCOMM AC-910 DELUXE HEADSET WITH CELL PORT



Now featuring AVCOMM's exclusive P/NR technology, the AC-910 P/NR offers more features in an improved design with cell port. These latest enhancements make the AC-910P/NR the premium choice in the AVCOMM headset lineup. Pilots and passengers everywhere are praising the features and benefits, claiming its comfort, performance, and features surpass anything they've used before. Features: • Patented P/NR audio technology and full spectrum stereo response • Ultra-lite Neodymium speakers • M65 microphone with "active filtering" chip • Full flex boom • Built-in push-to-talk • Mono-stereo switch built into the cord • Each ear cup features an independent volume control • Deluxe comfort package with deluxe gel ear seals P/N 11-05152.....

AVCOMM AC200 P/NR HEADSET



Features: • Simple & affordable P/NR™ performance • Incredible voice clarity • Higher noise attenuation • Ultra-lite Neodymium speakers • Volume control and easy to adjust stainless steel headband • Acoustic foam ear seals and acoustic mic muff • M-65 microphone with active filtering chip • Lightweight; 13.4 oz. • 5yr. factory warranty. P/N 11-02259.....

AVCOMM ACCESSORIES

| FLIGHT BAGS | | Part No. | Price |
|---------------------|---|----------|-------|
| P3-A01 | Personal headset bag | 11-02275 | . |
| P3-002 | Duffel style flight bag | 11-02276 | . |
| P3-A02 | Deluxe duffel style flight bag | 11-02277 | . |
| P3-A03 | Deluxe flight bag | 11-02278 | . |
| COMFORT ACCESSORIES | | | |
| P1-005 | Foam ear seals - pair/umbo | 11-02279 | . |
| P1-006 | Foam ear seals - pair/small | 11-02280 | . |
| P1-007 | Foam ear seals - pair/large | 11-02281 | . |
| P1-009 | Deluxe gel ear seals - pair | 11-02282 | . |
| P1-004 | Deluxe cloth ear covers-black | 11-02283 | . |
| P1-022 | Acoustic mic muff | 11-02284 | . |
| P1-024 | Acoustic mic muff | 11-02285 | . |
| P1-041 | AvComm deluxe head pad | 11-02286 | . |
| PARTS & ADAPTERS | | | |
| P2-001V2 | Deluxe PTT switch | 11-02287 | . |
| P2-004 | Adapter - GA to helicopter | 11-02288 | . |
| P2-005 | Adapter - helicopter to GA | 11-02289 | . |
| P2-009 | Headset extension cord - 5ft. | 11-02290 | . |
| P2-010 | Headset splitter | 11-02291 | . |
| P2-120 | Gen. aviation coil cord - AC-747 | 11-02292 | . |
| P2-121 | Gen. aviation straight cord | 11-02293 | . |
| P4-004 | Non-amplified electret mic | 11-06321 | . |
| P4-009 | Amplified electret mic - fits most wireboom | 11-02295 | . |

LYNX HEADSETS - HELMETS - INTERCOMS



LYNX MICRO SYSTEM

The Micro System is a unique self-contained intercom system which is plug and play compatible with any radio. This equipment is extremely popular for use in open cockpit aircraft and is the market leader for use in ultralight, powered parachutes, etc.

MICROSYSTEM PACKAGES

| Part No. | System Package | Package Contents | Price |
|----------|-------------------------------|---|-------|
| 11-05340 | Single headset Package | One Micro System headset, Dual Micro System Charger, One headset Switching Adapter, One headset Bag | . |
| 11-05341 | Add-on headset Package | One Micro System headset, One headset Coupling Adapter, One headset Bag | . |
| 11-05342 | Dual headset Package | Two Micro System headsets, Dual Micro System Charger, One headset Switching Adapter, One headset Coupling Adapter, Two headset Bags | . |
| 11-05343 | Single headset-helmet Package | One Micro System headset, One Micro System helmet, Dual Micro System Charger, One headset Switching Adapter, One helmet Visor, One headset Bag, One helmet Bag | . |
| 11-05344 | Add-on headset-helmet Package | One Micro System headset, One Micro System helmet, One headset Coupling Adapter, One helmet Visor, One headset Bag, One helmet Bag | . |
| 11-05345 | Dual headset-helmet Package | Two Micro System headsets, Two Micro System helmets, Dual Micro System Charger, One headset Switching Adapter, One headset Coupling Adapter, Two helmet Visors, Two headset Bags, Two helmet Bags | . |

MICROSYSTEM COMPONENTS

| Part No. | System Equipment | Description | Price |
|----------|----------------------------------|--|-------|
| 11-05346 | Micro System headset | Self contained intercom headset. | . |
| 11-05350 | Micro System helmet | E certified protective helmet. S | . |
| 11-05351 | Micro System helmet | E certified protective helmet. M | . |
| 11-05352 | Micro System helmet | E certified protective helmet. L | . |
| 11-05353 | Micro System helmet | E certified protective helmet. XL | . |
| 11-05354 | helmet Visor | Attaches to the helmet with screw fittings. | . |
| 11-05364 | Leather helmet | Soft leather helmet for headset. | . |
| 11-05347 | headset Coup. Adap. | Connects two headsets together. | . |
| 11-05348 | headset Switch Adap. | Switch-on a single headset. | . |
| 11-05349 | Dual Charger | all charger headsets. | . |
| 11-05356 | Visor E tension | ind deflector chin guard for visor. | . |
| 11-05357 | helmet Bag | Cloth bag for a helmet and visor. | . |
| 11-05358 | headset Bag | Cloth bag to protect a headset. | . |
| 11-05359 | headset E ten. Lead | used to extend the headset leads. | . |
| 11-05360 | Panel E ten. Lead | E tension lead with panel socket. | . |
| 11-05361 | headset Panel Adap. | Converts lead socket into panel. | . |
| 11-05362 | headset Lead Splitter | used to connect several headsets together. | . |
| 11-05363 | headset Lead Comb. | Connects several interface units together. | . |
| 11-05365 | helmet Goggles | For use with either type of helmet. | . |
| 11-05366 | Double helmet Bag | Large bag for complete systems. | . |
| 11-07092 | Radio Splitter Coiled Radio Lead | Connects in-line with a headset and provides connections for an additional device. | . |
| 11-07093 | Coiled Radio Leads | Connecting different radios to portable interface equipment. | . |
| 11-07094 | Straight Radio Leads | Connecting different radios to portable interface equipment. | . |
| 11-07095 | Car Charger | Charges two headsets at the same time. | . |
| 11-07096 | Audio Output Lead | Connecting professional recording equipment to the Micro System | . |

MICROSYSTEM ACCESSORIES

| Part No. | Radio Equipment | Description | Price |
|----------|------------------------------|--|-------|
| 11-05368 | Twin Jack Adapter | Converts the headset to twin jack plugs. | . |
| 11-05369 | Audio Adapter | Connects a walkman or mobile telephone. | . |
| 11-05370 | Radio Adapter * | Connects one headset to a radio. | . |
| 11-05371 | Radio Interface unit * | Connects one or two headsets to a radio. | . |
| 11-05378 | Radio/Power Interface unit * | Powers two headsets and a radio. For Type B connections only and these radios ICOM A3, A22, A6, A24 and ICA5, A23 with the CT-44 adapter. Vert Standard VXA-100, 120, 150, 200, 210 with the CT-44 adapter. All other radios will require special order. | . |
| 11-05372 | Velcro Mount PTT Switch | Velcro fitting PTT Switch. | . |
| 11-05373 | Screw Mount PTT Switch | Screw fitting PTT Switch. | . |
| 11-05374 | PTT E tension Lead | Two Metre e tension lead for PTT Switch. | . |
| 11-05375 | PTT Connector and Lead | Special PTT connector with two metre lead. | . |
| 11-05376 | Audio Input/Output Lead | Connects a walkman to an Audio Adapter or Power Interface. | . |
| 11-05377 | Mobile Telephone Lead * | Connects a mobile telephone to an Audio Adapter. | . |
| 11-05379 | Power Supply Lead | Connects aircraft battery to Power Interface. | . |
| 11-05380 | Power Supply Filter | used to filter aircraft power supply. | . |
| 11-05381 | Large Power Filter | used with very noisy power supply. | . |
| 11-05382 | Radio Power Filter | used to prevent feed-back with Icom A2/A20 Radios. | . |
| 11-05383 | Radio Power Adapter 11V13 | used to connect Icom A6/A24 radios to a Power Interface. | . |
| 11-05384 | V F Antenna - Short Flexible | Antenna for use with airband radios. | . |
| 11-05385 | V F Antenna -1/4 wave hip | Antenna for use with airband radios. | . |
| 11-05386 | Antenna E tension Lead | Five metre e tension for antenna. | . |
| 11-05387 | Adapter LA-25 | used to connect Cobra FRS and GMRS radios. | . |
| 11-05388 | Adapter LA-30 | used to connect aesu VXA 100 radios. | . |
| 11-05389 | Adapter LA-44 | used to connect aesu VXA 100/120/150/200/210/220 radios. | . |
| 11-05390 | Adapter CT-44 | used to connect Icom A5/A6/A23/A24 radios. | . |
| 11-05391 | Adapter CT-91 | used to connect Vert Standard radios. | . |
| 11-05392 | Adapter CT-96 | used to connect aesu VXA 300/700 radios. | . |
| 11-05393 | Power Lead Adapters | used to connect various radios to a Power Interface. | . |

*Please specify the make and model that will be used with this product.

LYNX PILOT SYSTEM



The Pilot System is a range of headsets and helmets for use in light aircraft and helicopters. The main advantage of these products are that they provide an integrated headset and helmet system for use in aircraft which have standard twin jack intercom equipment already installed.

| Part No. | System Equipment | Description | Price |
|----------|---------------------------|---|-------|
| 11-05394 | Pilot System headset Lead | Standard general aviation headset. | . |
| 11-05395 | Twin Jack headset Lead | Interchangeable lead for Pilot headset. | . |
| 11-05396 | S NATO headset Lead | Interchangeable lead for Pilot headset. | . |
| 11-05397 | K NATO Euro headset Lead | Interchangeable lead for Pilot headset. | . |

NOTE Pilot System uses the same helmet, helmet visor, visor e tension, leather helmet, helmet goggles, helmet bag, headset bag, and double helmet bag as the Micro System. Order part numbers as shown for Micro System Components.

LYNX RELAI SYSTEM



The relai System is a range of headsets and helmets for direct connection to hand-portable radios. This equipment also provides the facility to use a helmet with the headset and is used mainly by pilots of single seat aircraft, Paramotor pilots and airport ground crew.

*Please specify the make and model of radio that will be used with the Relai System Headset.

| Part No. | Description | Price |
|----------|--|-------|
| 11-05398 | Relai System headset Radio Module. | . |
| 11-05400 | Lyn Avionics Relai System headsets to be used with the following radios Alinco, Cobra, Delcom, Icom A2/A20/A21, RC, Ma on Motorola, Radio Shack, aesu FT-23R, AES 2000 | . |
| 11-05401 | Lyn Avionics Relai System headsets to be used with the following radios ICOM A3/A4/A6/A22/A24 ICOM A5/A23 | . |
| 11-05402 | Allows Lyn Avionics Relai System headsets to be used with the following radios ICOM A3/A4/A6/A22/A24 ICOM A5/A23 | . |

NOTE Relai System uses the same helmet, helmet visor, visor e tension, leather helmet, helmet goggles, helmet bag, headset bag, and double helmet bag as the Micro System. Order part numbers as shown for Micro System Components.

LYNX ACCESSORIES

| Part No. | Spare Parts | Description | Price |
|----------|----------------------------------|--|-------|
| 11-05403 | Ear Seals Type 1 Foam Two | Foam ear seals use with all headsets. | . |
| 11-05404 | Ear Seals Type 2 Gel Two | Gel ear seals use with all headsets. | . |
| 11-05405 | Microphone ind Shield Large 37mm | Foam microphone wind shield for use with all headsets. | . |
| 11-05406 | Microphone ind Shield Small 25mm | Foam microphone wind shield for use with all headsets. | . |

AV

PUSH-TO-TALK - LEATHER HELMETS

PUSH-TO-TALK SWITCHES

TELEX PT-300 PUSH-TO-TALK SWITCH - Attaches to any control wheel. Simple installation, no tools required. Simply wrap hook and pile strap around control wheel. Provides instant communications when used with any headset or Teleflexible boom microphone. 6 ft. coiled cord, rack and plug.



With purchase of any headset only **\$39.95**

ECONOMY PUSH-TO-TALK SWITCH - Similar to PT-300, this top quality switch is offered at considerable savings. Features gold contacts for durability. Fully guaranteed.

P/N PT-300
P/N 11-12100.....

With purchase of any headset only **\$8.95**

DAVID CLARK C10-15 PORTABLE PUSH-TO-TALK SWITCH - Compatible with all general aviation headsets, recommended for use with David Clark. Dual plunger switch assures positive contact. High quality features are incorporated in every aspect of this switch.

P/N C10-15.....

PTT-400 PORTABLE PUSH-TO-TALK SWITCH - Designed so that the pilot may push downward to invoke the radio transmit function, instead of the traditional sideways activation of typical strap-on PTTs. Secures to the top of the vertical handle of the control yoke with provided velcro tape.



Mounted at the top of a thin, 1/2" dia. cylindrical enclosure, the soft-touch red push button is rated for 50,000 failure-free operations. 5ft. coiled cable terminates with standard plug jack. Fast and easy plug-in installation, in virtually any aircraft.

P/N 11-02072.....

SIGTRONICS PUSH-TO-TALK SWITCH - This versatile yoke mounted switch features a sealed aluminum alloy case and mounts in a .380" diameter hole. Button is red thermoplastic.

P/N 11-02926.....



NAV-DATA PUSH-TO-TALK SWITCH - Finally, an affordable Push-to-talk switch. Heavy duty construction. With dual internal contacts. Also equipped with a strap to attach to any yoke control.

P/N 13-06089.....



MICROPHONES

TELEX 66T TRANSISTORIZED MICROPHONE - Dynamic, noise-cancelling, hand-held mic. Built-in amplifier is adjustable for full transmitter output. Meets specifications for aircraft and mobile applications. Impedance 50-600Ω. Wt. 9oz. Complete with 5 ft. coiled cord and hanger bracket. Also available with right-angle plug - specify model 66TRA.



P/N 66T.....

Right angle plug P/N 66TRA.....

TELEX 100TRA DYNAMIC MICROPHONE - Dynamic, noise-cancelling, amplified, handheld mike. Push-to-talk switch is in front. Available in beige and black with walnut grain trim. Impedance 50-600Ω. Wt. 9 oz. Includes 5ft. coiled cord with right-angle plug and hanger bracket.



P/N 100TRA.....

TELEX 38T ELECTRET MICROPHONE - A state-of-the-art high quality noise cancelling microphone designed as a direct replacement for the RS-38 series microphones. Hanger bracket not included.

P/N 38T.....

TELEX 500T ELECTRET MICROPHONE - Amplified hand-held electret mike features outstanding noise cancellation. Impedance 50-600 Ω (ohms). Weight: 6.5oz. Complete with 5ft. coiled cord, plug and hanger bracket.



P/N 500T.....

DAVID CLARK M-4 MICROPHONE - The M-4 electret microphone is featured on the 10-40 and 10-46 headsets. Available separately, as are all David Clark mics.

P/N 11-03908.....



DAVID CLARK M-1/DC AMPLIFIED DYNAMIC HEADSET MIC - The M-1/DC Amplified Dynamic headset microphone is a noise canceling type designed to operate in place of carbon and amplified dynamic microphones.

P/N 11-09230.....



DAVID CLARK M-1A AMPLIFIED DYNAMIC HEADSET MIC - The M-1A Amplified Dynamic headset microphone is a noise canceling type designed to operate in place of carbon and amplified dynamic mics.

P/N 11-09225.....



CALL FOR SPECIAL PRICES!

HEADSET MICROPHONE A1060 BLACK - Proper shielding improves noise immunity in aircraft with heated windshields, power inverters, and other sources of electrical noise. Fits all C40 Model headsets David Clark, Softcomm, Teleflex, etc.

A1060 fits all C40 Models P/N 11-04838.....

Microphone windscreen covers all headsets. P/N 11-04840.....



LEATHER FLYING HELMETS

MODEL 711

GOATSKIN HEADSET OR AIRCRAFT HEADSETS

Black Small P/N 11-10505-S.....
Black Medium P/N 11-10505-M.....
Black Large P/N 11-10505-L.....
Black X-Large P/N 11-10505-1.....
Brown Small P/N 11-10510-S.....
Brown Medium P/N 11-10510-M.....
Brown Large P/N 11-10510-L.....
Brown X-Large P/N 11-10510-1.....



MODEL 711K

COTTON CANNING HEADSET OR AIRCRAFT HEADSETS

Brown with Leather Ear Cut-Outs
Small P/N 11-10525-S.....
Medium P/N 11-10525-M.....
Large P/N 11-10525-L.....



MODEL 711L

EXCLUSIVE GOATSKIN HEADSET OR AIRCRAFT HEADSETS

Black Small P/N 11-10515-S.....
Black Medium P/N 11-10515-M.....
Black Large P/N 11-10515-L.....
Black X-Large P/N 11-10515-1.....
Brown Small P/N 11-10520-S.....
Brown Medium P/N 11-10520-M.....
Brown Large P/N 11-10520-L.....
Brown X-Large P/N 11-10520-1.....



MODEL 711M

MESH OR AIRCRAFT

Small P/N 11-10555-S.....
Medium P/N 11-10555-M.....
Large P/N 11-10555-L.....
X-Large P/N 11-10555-1.....



MODEL 712

TRADITIONAL GOATSKIN LEATHER HEADSET

Black Small P/N 11-10530-S.....
Black Medium P/N 11-10530-M.....
Black Large P/N 11-10530-L.....
Black X-Large P/N 11-10530-1.....
Brown Small P/N 11-10535-S.....
Brown Medium P/N 11-10535-M.....
Brown Large P/N 11-10535-L.....
Brown X-Large P/N 11-10535-1.....



MODEL 712C

TRADITIONAL COTTON CANNING HEADSET

Small P/N 11-10550-S.....
Medium P/N 11-10550-M.....
Large P/N 11-10550-L.....
X-Large P/N 11-10550-1.....



MODEL 712L

Black Small P/N 11-10540-S.....
Black Medium P/N 11-10540-M.....
Black Large P/N 11-10540-L.....
Black X-Large P/N 11-10540-1.....
Brown Small P/N 11-10545-S.....
Brown Medium P/N 11-10545-M.....
Brown Large P/N 11-10545-L.....
Brown X-Large P/N 11-10545-1.....



Note: Specify size by completing part no. with -S, -M, -L, or -1 for X-Large.
Small 1 - Medium - 3 Large 3 - 4 X-Large 4 -

MIC/BOOM KITS FOR AVIATION HELMETS

Now available for aviation helmets the David Clark patented combination flex/wire boom allow for easy, perfect microphone positioning. Each kit is complete with attachment assembly, microphone cover, and boom with 16' cord for installation.












M-7A mic and flex boom assembly Kit for Aviation helmets High impedance / Civilian radio systems. Model 40688G-24
P/N 11-00866.....


M-87 A1C mic and flex boom assembly Kit for Aviation helmets Low impedance/military radio systems. Model 40688G-23
P/N 11-00867.....




HEADSET ACCESSORIES

DAVID CLARK HEADSET ACCESSORIES

| Description | Part No. | Price |
|---|----------|-------|
|  Comfort covers David Clark Style sold each | 11-04793 | . |
|  Mic Muff -Protects mic on all David Clark and standard size headset mics. This is not a foam muff. | 11-04788 | . |
|  Gel Earseals - Provide optimum comfort and fit all David Clark headsets. | 11-04820 | . |
|  David Clark Undercut Comfort Gel Ear Seals | 11-01782 | . |
|  Foam-filled Ear Cushions - Soft and durable covers with an all polyurethane core. Fits all David Clark headsets. | 11-04787 | . |
|  Foam Headband - A light, foam filled headband which snaps on all David Clark headsets for great comfort. | 11-04791 | . |
|  H 0-10 Gel Ear Seals | 11-01828 | . |
|  Headset bag- Nylon Carry bag, Black on Black. | 11-00642 | . |
|  C M-4 Mic Muff | 11-04819 | . |
|  C Mic Muff - Fits standard electret mic. Foam mic muff w/O-ring. | 11-09201 | . |
|  Stop Gap - These eyeglass adapters place a soft coupler between the side of the head and the ear seal to prevent any noise leak and assure a comfortable fit. | 11-04785 | . |

 **STRAIGHT CORD (5 FT) WITH PJ-068 & PJ-05 40133G-04** - Increases the versatility of the 10-60 headset. Plugs into the dome connector.
P/N 11-05948.....

 **COIL CORD (5 FOOT) WITH PJ-068 & PJ-055 PLUGS 40133G-05** - Increases the versatility of the 10-60 headset. Plugs into the dome connector. P/N 11-05949.....

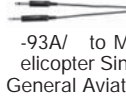
 **COIL CORD (5 FOOT) WITH U-174/U PLUG 40133G-06** - Increases the versatility of the 10-60 headset. Plugs into the dome connector. P/N 11-05950.....

 **PLUG ADAPTER 18253G-01** - Converts P -068 P -055 to -75/ P/N 11-05952.....

 **PLUG ADAPTER 18253G-02 - 18253G-02** - Converts -75/ to M642/5-1 P 068 and M642/4-1 P 055 P/N 11-05953.....

 **PLUG ADAPTER 18253G-03** - Converts -75/ to -174/ P/N 11-05954.....

 **PLUG ADAPTER 18253G-04 18253G-04** - Converts -174/ or -93A/ to -75/ P/N 11-05955.....

 **PLUG ADAPTER 18253G-05** - Converts -174/ or -93A/ to M642/5-1 P 068 and M642/4 P 055. Also converts the helicopter Single Plug to a Dual Plug configuration for Fixed wing flying. General Aviation applications only. P/N 11-05956.....


 **PLUG ADAPTER 18253G-06** - Converts P -068 P -055 to -174/. Also converts the Fixed wing Dual Plug configuration to a Single Plug for helicopter flying. General Aviation Applications only. P/N 11-05957.....

 **PLUG ADAPTER 18253G-17** - Converts NATO to P -068 P -055 P/N 11-05958.....

 **PLUG ADAPTER 18253G-16** - Converts P -068 P -055 to NATO P/N 11-05959.....

 **PLUG ADAPTER 18253G-18** - Converts -174/ to NATO P/N 11-05960.....

 **PLUG ADAPTER 18253G-19** - Converts NATO to -174/ P/N 11-05961.....

 **CLOTH HELMET** - To accommodate David Clark headsets. Size 7-1/4 P/N 11-04783 Size 7-1/2 P/N 11-04784

AVIATION HEADSET PORTABLE MUSIC ADAPTER



The PSA0017C addresses the problem of attempting to use an aviation headset to listen to a portable music device while connected to the aircraft intercom. The 600 ohm aviation headset requires more power to drive than low-power portable music devices are capable of delivering. Furthermore, music at levels high enough to overcome the high-noise environments of the general aviation cockpit can easily drown out other intercom audio. The PSA0017C resolves both of these issues easily. Implementation of dual low-noise amplifier stages cleanly boosts music signals to levels expected by general aviation headsets, while providing enough power to clearly hear the entire range of audio frequencies without distortion. Active auto mute silences the music whenever activity is detected on the intercom, thus ensuring that intercom activity and ATC communication is never missed. The included 9 volt battery provides 25-30 hours of useful battery life. The low battery indicator provides advance indication of battery expiration. P/N 11-06246.....

AIRCRAFT INTERCOM RECORDING CABLE



The IRC0014 series intercom recording cables addresses the problem of attempting to use a standard microphone interface to record a signal intended to drive a 600 ohm aviation headset. The integrated electronic circuitry steps the signal down to levels expected by the recording device, preventing oversaturation of the recording device and thereby eliminating any distortion. Additional protection is provided via AC coupling, ensuring that only the audio signal is passed while DC power remains isolated to the respective equipment. At low levels, DC power interference can reveal itself as a high-pitched squeal in the recorded audio. If enough voltage is present, irreparable equipment damage can occur. Professional grade metallic connectors are utilized in the make-up of the IRC0017S, providing additional electronic noise shielding not available from low cost plastic parts, ensuring the cleanest low-noise recording possible. P/N 11-06247.....

IPOD / MP3 MUSIC ADAPTER



This adapter works with your existing intercom by pumping your music into any available microphone, allowing it to be distributed through the intercom to everyone wearing a headset. Plug one end into the aircraft's microphone and the other into your media player's headphone jack. * Compatible with ipod, iphone, mp3, CD, laptops, and most other portable media players * Music in your headset without costly upgrades * Listen to music through the aircraft's speaker during pre-flight * Plugs into standard microphone * Just Plug and Play No more wearing uncomfortable in-ear headphones under your aviation headset. No need for an expensive new intercom or new headset. This will work in any intercom system with an available microphone. Maintain the comfort and quiet of your current headset - just add your favorite music. Also works great in many airliners. P/N 11-07541.....

HEADSET CUSHION



For headsets with single 5/8 wide headband springs. Aviall, David Clark, etc. and Tele ProAir 2000E and ANR-type headsets. P/N 11-02858.....

MICROPHONE WINDSCREENS

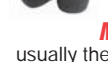


PA-10L - All dynamic microphones examples-David Clark 10-30,-S10-36, 10-56. Pilot hdsts with the same nomenclature. PN 11-05807.....

PA-10M - Flightcom 4DX, 5DX. Skycom -40A, h-80A. Sigtronics S-68, S-20. Peltor LE Sport, 7004, 7104. Tele Stratus, Airman 750, ANR 150. David Clark 10-40, -10-80, 10-20, 10-21, 10-26, 10-6-, 13.4.Pilot dstds P-51, 11-40, all anrs. PN 11-05808.....

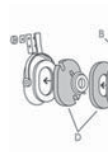


PA-10S - Flightcom Denali. Sigtronics S-58. Peltor 7000 Pro Gt. Bose ANRs. PN 11-05809.....



M-87 - Any headsets using M-87 Microphones usually the mics in helmets such as Genter or Gallet PN 11-05810.....

HEADSET UPGRADE KITS



For considerably less than the cost of a new headset, you can upgrade the headset you already own to improve comfort and performance. You'll experience improved intelligibility and transmission clarity, and you'll enjoy pain-free, cool, dry ears. Comes with A-SoftTop Headset Cushion, B-SoftSeal Ear Cushions, C-SoftSkin Ear Seal Covers, D-FlushKit Passive Ear Cup Noise Attenuation Kit, E- MicMuff Microphone Cover. David Clark Upgrade Kit.....P/N 11-07808 Bose Headset Upgrade Kit.....P/N 11-06309

HEADSET ACCESSORIES

OREGON AERO HEADSET ACCESSORIES

SOFTTOP™ HEADSET CUSHIONS



Eliminates top-of-head pressure. 100% plush sheepskin wool. Keeps head cool or warm. Moisture-proof, self-wicking action. Flexible leather backing. Customized mount of either rubber or trusion or nylon hook/loop wrap.

| | |
|--|--------------------|
| Air Crew SoftTop Headset Cushion | P/N 11-10900 |
| Air Crew with D-ring | P/N 11-10901 |
| Tele Airman 750 SoftTop Headset Cushion.. | P/N 11-10902 |
| Peltor, Flight Com 4.2, Sennheiser SoftTop Headset Cushion | P/N 11-10903 |
| David Clark/Clones, AudioCom SoftTop Headset Cushion | P/N 11-10905 |
| D C/Clones, AudioCom w/D-ring | P/N 11-10906 |
| Navy Type Cranial SoftTop Headset Cushion | P/N 11-10907 |
| Navy Type Cranial with D-ring | P/N 11-10908 |
| B Type ANR SoftTop Headset Cushion | P/N 11-10909 |
| B Type ANR with D-ring | P/N 11-10910 |
| Cranial SoftTop Headset Cushion David Clark/Clones, 5/8 wide head band used in cloth/leather flying helmet | P/N 11-10911 |
| Cranial with D-ring | P/N 11-10912 |
| Tele 4000/Astrocom, Old Style Military SoftTop Headset Cushion | P/N 11-10913 |
| Tele 4000 with D-ring | P/N 11-10914 |
| SoftTop Headset Cushion for Headsets OTHER than those listed above | P/N 11-10915 |
| with D-ring | P/N 11-10916 |

SOFTSEAL™ EAR CUSHIONS



Conforms to your head. 200-300% more volume for total comfort. Temperature-sensitive Confor foam core. Smooth, soft, washable UltraLeather covering over foam core. Great with eyewear or earrings. Eliminate ear pressure. Self-wicking reduces perspiration build-up. Attaches with flange, adhesive ring, or snap-on mount, depending on headset type.

Soft skin covers keep your ears even drier and cooler than with SoftSeal alone. Especially helpful in hot, humid climates. Designed to slip over our SoftSeal ear cushions for added comfort and product life. Fit loose, not tight like a drum. Choose for 3/4" or 1-1/8" thick SoftSeals.

| | |
|---|--------------------|
| 1-1/8" thick David Clark/Clones, Pilot PA11-30/11-400 NE SoftSeal Ear Cushions | P/N 11-10917 |
| 3/4" thick Tele Airman 750 SoftSeal Ear Cushions includes HushKit Passive Earcup Noise Attenuation Foam | P/N 11-10918 |
| 3/4" thick Pilot 11-90 SoftSeal Ear Cushions w/snap ring attachment | P/N 11-10919 |
| 3/4" thick SoftSeal Ear Cushions for use w/David Clark style in cloth/leather flying helmet, Tele ANR | P/N 11-10920 |
| 3/4" thick Peltor, Sennheiser SoftSeal Ear Cushions | P/N 11-10921 |
| 3/4" B Type ANR Headset SoftSeal Ear Cushions | P/N 11-10922 |
| 1-1/8" thick Tele Pro Air 2000 SoftSeal Ear Cushions | P/N 11-10923 |
| 1-1/8" thick AudioCom, Bush A Com, Sigtronics/Tele Square SoftSeal Ear Cushions | P/N 11-10924 |
| Pilot 17-76 Pilot 17-79 SoftSeal Ear Cushions | P/N 11-10925 |
| FlightCom Eclipse SoftSeal Ear Cushions | P/N 11-10926 |
| Pilot PA7000 SoftSeal Ear Cushions | P/N 11-10927 |
| Com-Air 5000 SoftSeal Ear Cushions | P/N 11-10928 |

ANR headsets must use 3/4" thick softseal ear cushion.

SOFTSKIN™ EAR SEAL COVERS

| | |
|---|--------------------|
| SoftSkin Ear Seal Covers for 3/4" thick SoftSeal Ear Cushions | P/N 11-10929 |
| SoftSkin Ear Seal Covers for 1-1/8" thick SoftSeal Ear Cushions | P/N 11-10930 |

HEADSET MICMUFF™ MICROPHONE COVERS



Eliminates cockpit noise from radios and intercom. Greatly improves intelligibility. The bigger the ambient noise problem open cockpit, warbirds, or other very noisy aircraft, the more dramatic the improvement in intercom communication and transmission clarity. MicMuff™ functions as an acoustic baffle and must be used on all headsets installed in the communications system. Smooth, soft, washable UltraLeather covering over foam windscreen. Adaptable to all mics, electret or dynamic. Doesn't blow away.

| | |
|---|--------------------|
| Amplified Dynamic MicMuff Mic Cover | P/N 11-10937 |
| Electret MicMuff Mic Cover | P/N 11-10938 |
| Military Dynamic M-87 MicMuff Mic Cover | P/N 11-10939 |

FOR HEADSET MICROPHONE USE IN AN INTERCOM SYSTEM MUST HAVE THE MICMU INSTALLED IN OR ON THE MICMU TO EFFECTIVE THE EXCEPTION IS PUSH-TO-TALK INTERCOM SYSTEMS.

OREGON AERO HEADSET UPGRADE KITS

PASSIVE NOISE ATTENUATION COMPONENTS PERFORM BETTER THAN ANR HEADSETS

Headset Upgrade Testing-The headset upgraded with Oregon Aero components performed better than ANR headsets in tests conducted at a U.S. Government laboratory

In the mid-range frequency levels of 700-7000 Hz, the Oregon Aero upgraded headset performed better than the best-performance ANR headset, and in fact the Oregon Aero numbers significantly and consistently dip BELOW the DESIRED 85db level. This is the sound frequency range that contributes the most to hearing damage and loss.

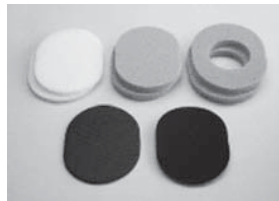


FOR BOSE® AVIATION HEADSET X™ 83006BX -

- Includes
- SoftSkin® Ear Seal Covers
 - MicMuff® Microphone Cover
 - SoftTop® Headset Cushion
 - SoftSeal® Ear Cushions
- PN 11-06309

MILITARY HEADSET UPGRADE KIT FOR DAVID CLARK TYPE HEADSETS -

- Packaged to Military Specs 8300DM
- Includes
- SoftSkin® Ear Seal Covers
 - MicMuff® Microphone Cover
 - HushKit® Passive Ear Cup
 - Noise Attenuation Kit
 - SoftTop® Ear Cushions
- PN 11-06310

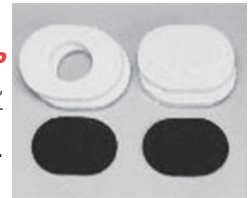


HELMET HUSHKIT® PASSIVE EAR CUP NOISE ATTENUATION KIT -

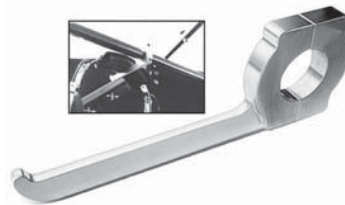
- 92056 For G-56P
- PN 11-06312

HELMET HUSHKIT® PASSIVE EAR CUP NOISE ATTENUATION KIT -

- For SP-4*, SP-4B*, SP-5* or G Sone helmets. 92050
- PN 11-06311



J-HOOK HEADSET HANGER



The J-hook Aviation headset hanger is designed to be installed on one of the tube crossmembers in the cockpit of aircraft with exposed tubing upon which to hang your headsets when not in flight. These types of aircraft include Cessnas, Cubs, Citabrias, etc. This makes entering or exiting the aircraft much easier and eliminates the chance of damaging your headset or the interior of the aircraft. This product has been machined from 6061-T6 aluminum with stainless steel hardware for a lifetime of service. Mounts on 3/4" tubing

- J-hook headset hanger 3/4"
- J-hook headset hanger 7/8"

AVIONICS ACCESSORIES

MIC & PHONE JACK HOUSINGS



2 HOLE SURFACE MOUNTED MIC & PHONE JACK HOUSING - If panel space is scarce or you'd prefer to locate your headphone jacks in a more convenient spot, this housing is perfect. Mounts flush to any flat surface. Heat-treated aluminum with a powder coat finish. Jacks not included. See electrical section.

| Description | Part No. | Price |
|-------------------------|----------|-------|
| Surface Mount, Black | 10-01595 | . |
| Surface Mount, Beige | 11-01120 | . |
| Surface Mount, Aluminum | 11-01130 | . |



2 HOLE RECESSED MIC & PHONE JACK HOUSINGS - This versatile mic and phone jack housing has a powder coat finish. With this recessed housing in place in a side panel, your jacks are out of the way. Comes with a clamp to hold housing securely in place. Jacks not included. Size 3.0 x 3.75 x 1.

| Description | Part No. | Price |
|--------------------------------|----------|-------|
| Recessed Mount, Black | 11-01140 | . |
| Recessed Flush Mount, Beige | 11-01150 | . |
| Recessed Flush Mount, Aluminum | 11-01160 | . |



4 HOLE SURFACE MOUNTED MIC & PHONE JACK HOUSING - If panel space is scarce or you'd prefer to locate your headphone jacks in a more convenient spot, this housing is perfect. Mounts flush to any flat surface. Heat-treated aluminum with a powder coat finish. Jacks not included. See electrical section.

| Description | Part No. | Price |
|-------------------------------|----------|-------|
| Black wrinkle finish | 11-01195 | . |
| Tan wrinkle finish Pictured | 11-00365 | . |
| Aluminum unpainted with holes | 11-00366 | . |
| Aluminum unpainted NO holes | 11-00367 | . |

4 HOLE RECESSED MIC & PHONE JACK HOUSINGS



Modified to allow plugs to enter from the opposite side, being recessed they are out of the way. When jacks are plugged in they are flush with the edge of the housing, a real custom look with this style of housing. Made of aluminum, with a powder coat finish. Comes bagged with housing, clamp, mounting screw, mic/phone self stick decals. Dims 4.5 L x 5 L x 1.06. Cutout req. 3.25 x 4.43 L.

| Description | Part Number | Price |
|-------------------------------|-------------|-------|
| Black wrinkle finish | 11-01939 | . |
| Tan wrinkle finish | 11-01940 | . |
| Aluminum unpainted with holes | 11-01941 | . |

MIC / PHONE JACK MOUNTING BRACKET

Mic/Phone Jack Bracket 90 degree under the dash. Also for switches, fuses etc. A sturdy and attractive mount, sides are formed to hide wires, .063 thick heat-treated aluminum. Black wrinkle powder coat finish. Five styles to choose from for most any installation. Easily installed.



MIC OR PHONE JACK MOUNT 1 HOLE - 1 hole for either Mic or Phone Mounting Bracket Dimensions- 1.5w x 1.5h x 1.0 deep. Black wrinkle powder coat finish. P/N 11-01170



MIC OR PHONE JACK MOUNT 2 HOLE - 2 hole Mic/Phone Mounting Bracket Dimensions- 2.3w x 1.5h x 1.0 deep. Black wrinkle powder coat finish. P/N 11-01180



MIC OR PHONE JACK MOUNT VERTICAL 4 HOLE - Bracket- 4 hole Vertical for Mic/Phone Dimensions- 2.3w x 2.5h x 1.0 deep. P/N 11-01190



MIC OR PHONE JACK MOUNT HORIZONTAL 4 HOLE - Bracket- 4 hole horizontal for either Mic or Phone Dimensions- 4.5w x 1.5h x 1.0 deep. P/N 11-01942

PLUGS & PANEL JACKS



PLUGS -

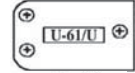
Made to specification MIL-P-642A. Molded, cord mounting type. Screw-on shell. Headphone Plug, 3-Circuit P-0 Takes .034 mating jack P/N 11-04065

Microphone Plug, 3-Circuit PL-068 Takes .033 mating jack P/N 11-03918



PANEL JACKS - Made to specification MIL-541. Contact springs are of special alloys for long life. Insulation is high dielectric strength phenolic. Tinned terminal lugs for easy soldering. Short frame. Mounts by 3/8-32 threaded

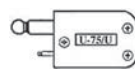
bushing and nut. Open circuit until plug inserted. Microphone Jack, 3-Circuit .033 P/N 11-05995. Headphone Jack, 2-Circuit .034 P/N 11-03907. Insulated Flat Washer S C S1028 Tan P/N 04-00975 ea. Insulated Flat Washer S C S1029 Black P/N 04-00976 ea.



U-61/U JACK - MIL-C22442/4-1 NSN 5935-00-689-6052 Mates with .75/ P/N 11-00696



U-172/U MICROPHONE JACK - NSN 5935-00-665-7599, Mates w/ .173/ , P-292, or MP-101. 2-conductor jack w/nickel-plated beryllium copper contacts assembled into nylon body. P/N 11-00697



U-75/U PLUG - MIL-C-22442/5-1 Mates with .61/ P/N 11-00698



4-CONDUCTOR PLUG - TP-120, .174/ , .93A/ , MIL-C9177/1B NSN 5935-00-642-0626 Mates with .92/ , T-120 T-102, ack, and T-101. 1-piece nickel plated brass contacts are integrally molded into plastic body. P/N 11-00699



2-PIN MICROPHONE PLUG - .173/ , MP-101 NSN 5935-00-888-5351 Mates with .172/ , .179/ , MP-101, .055. Nickel-plated beryllium copper contacts assemble into nylon body. P/N 11-00701



.206" COMMERCIAL MIC PLUG - S-267 P-068 Mates w/ .033, S-12B, CES830. Black plastic handle with .206 dia. chrome plug. 3 conductors. solder plug and cable clamp. P/N 11-00702



.25" COMMERCIAL MONO PHONE PLUG - S-250 Mono P 055B Mates w/ .034, CE80. Black plastic handle w/ .25 dia. chrome plug. 2 conductors. solder plug cable clamp. P/N 11-00703



.25" COMMERCIAL STEREO PHONE PLUG - S-250 P 055B Mates with .034 or CE80. Black plastic handle with .25 dia. chrome plug. 3 conductor. solder plug cable clamp. P/N 11-00704



1/8" STEREO PLUG (3.5MM)- Black plastic handle w/ solder terminals cable clamp. P/N 11-00705

TRIPLE HELICOPTER ADAPTER W/7' CABLE

T T-120 T T-102 type jacks This adapter allows for 3 headsets to share one 4 conductor panel mount in jack. Backing of converter box comes with commercial grade Velcro adhesive tape for easy attachment to any surface. P/N 11-02752

.25" HEADSET PLUG REDUCER

This adapter reduces a single .25 headset plug to a single .206 headset plug. 5 in length. B-34 P/N 11-02748



.206 MICROPHONE PLUG REDUCER

This adapter reduces a single .206 microphone plug to a 3.5mm mini plug. 5 in length. B-35 P/N 11-02749



HEADSET TAPE RECORDER ADAPTER

This adapter allows you to record conversations through your headset into a portable tape recorder. 40 in length. Great for student pilots recording lessons. B-40 P/N 11-02750



HEADSET ADAPTERS AND EXTENSIONS

HEADSET EXTENSIONS



HEADPHONE EXTENSION – This heavy duty extension allows a .25 phone jack to be extended by 5ft. Great for customizing an aircraft with rear passenger headphone listen only capabilities. P/N 11-10620



HEADSET EXTENSION – This heavy duty extension allows a general aviation headset using P-068 P-055B or equivalent plugs to be extended by 5ft. Ideal when aircraft radio or intercom does not allow headset cords to reach comfortably. P/N 11-10640



MICROPHONE EXTENSION – This heavy duty extension allows a .206 mic jack to be extended by 5ft. Great for customizing an aircraft with rear passenger microphone jacks. P/N 11-10625



HELICOPTER HEADSET EXTENSION – Extends a headset that uses a -174/ , -93A/ or equivalent plug. 5 ft. in length. P/N 11-00688



U-75/U EXTENSION – Extends a headset which uses a -75/ plug 5 ft. in length. P/N 11-00689

“Y” ADAPTERS



DUAL HEADSET Y ADAPTER – This heavy duty adapter converts one .25 phone jack into two. Perfect for those who want to connect two headsets to one a/c radio headphone jack. Can be used with stereo or mono headphones and jacks. Length 2 ft. P/N 11-10610



DOUBLE HEADSET Y ADAPTER – This heavy duty adapter converts one set of a/c radio panel jacks, .206 mic and .25 phone into two sets. Can be used with any general aviation headset using P-068 P-055B or equivalent plugs. P/N 11-10635



DUAL MICROPHONE Y ADAPTER – This heavy duty adapter converts one .206 aircraft radio microphone jack into two. Perfect for those who want to add another push-to-talk position to the radio. Length 2 ft. P/N 11-10615

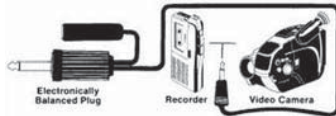


TRIPLE HEADSET ADAPTER – This high quality adapter converts a set of radio or intercom mic and phone jacks into 3 sets. Sets are one, three and five feet respectively. Great for adding a pair of headset to the back of the aircraft without requiring modification or installation. P/N 11-00680



DUAL HELICOPTER Y HEADSET ADAPTER – This adapter allows a single helicopter radio or intercom jack T-120, T T-120, T T-102 to be used by two headsets. Length 1 ft. Great for adding an additional space for headset without costly installation. P/N 11-00681

PATCHCORD COCKPIT VOICE RECORDER



PatchCord has electronic circuitry specifically designed to enable direct hook-up between a 600Ω headphone jack and the mic jack of tape recorders and / or most video cameras. The PatchCord

has been designed to enable you to record on any tape recorder or video camera, both sides of all your radio communications and all mic equipped persons in the aircraft when used with intercom. If not equipped with intercom, PatchCord enables you to record both sides of all your radio communications if aircraft radio has sidetone. The most advantageous way to use PatchCord is with the intercom and voice actuated tape recorder.

Student Pilots: • Great learning aid • Playback of previously recorded tape enables students to review the entire flight lesson, whether it be ATC clearances or flight instruction • Great study aid for the FAA written test • Save recorded tapes of flight lessons as a memento of your student pilot experiences.

Other Pilots: • Assists in studying for additional FAA ratings • Back up your memory and your notations by recording your IFR clearances • Record in-flight ATIS and weather reports, enabling you to play back and review in detail that part of briefing you need to know • Use tapes to improve your radio proficiency • Have your own tapes if you have a problem with ATC. P/N 13-01456

AIRCRAFT/HELICOPTER CONVERSION ADAPTERS



.206" JACK Y ADAPTER – This adapter converts a headset with a single .206 plug into one with 2 standard .206 mic .25 phone plugs. Length 9". P/N 11-00682



.25" JACK Y ADAPTER – This adapter converts a headset with a single .25 plug into one with 2 standard .206 mic .25 phone plugs. Length 9". P/N 11-00683



.206" PLUG Y ADAPTER – This adapter converts a headset w/ dual .206 mic .25 phone plugs into one plug .206 headset. Length 9". P/N 11-00684



.25" PLUG Y ADAPTER – This adapter converts a headset w/ dual .206 mic .25 phone plugs into one plug .25 headset. Length 9". P/N 11-00685



STANDARD (MIC/PHONE) TO HELICOPTER ADAPTER – This adapter converts a G.A. headset that has both mic and phone plug into one that uses a helicopter -174 , -93A/ or equiv. plug. Length 9". P/N 11-10630



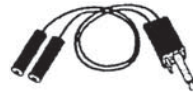
HELICOPTER TO STANDARD (MIC/PHONE) ADAPTER – This adapter converts a helicopter -174 or -93A/ headset that has one plug into a G.A. headset that has both mic and phone plug. Length 9". P/N 11-10650



U-174/U OR U-93A HEADSET CONVERTER – This adapter converts a headset -75 plug to a -174 or -93A/ type plug. Length 9". P/N 11-00686



U-75/U HEADSET CONVERTER ADAPTER – This adapter converts a headset which has a -174/ , -93A/ or equivalent type plug into one which uses a -75/ plug. Length 9". P/N 11-00687



U-75/U HEADSET CONVERTER ADAPTER – This adapter converts a headset which has a .206 mic and .25 phone plug into one which uses a -75/ plug. Length 9". P/N 11-00690



U-75/U TO STANDARD PLUGS CONVERTER – This adapter converts a headset which has a -75/ or equivalent plug into a standard .206 mic .25 phone plug. Length 9". P/N 11-00691

SPECIALTY ADAPTERS/IMPEDANCE CONVERTERS



VIDEO RECORDER ADAPTER GA/HELICOPTER – This product allows you to interface your video recorder with the aircraft intercom system. Great for creating your own aerial videos without excess cabin noise. Records sounds transmitted through the intercom system only. Std Version P/N 11-00692

helicopter Version P/N 11-00693



CD PLAYER GENERAL AVIATION ADAPTER – This product allows you to interface your portable CD Player with a general aviation headset. P/N 11-00694



LOW TO HIGH IMPEDANCE ADAPTER This adapter converts a low impedance mic / phone military headset into higher impedance for use in general aviation aircraft. It also converts the -174/ plug on the military headset into .206 .25 plugs used in general aviation. Length 3 ft. Standard Version P/N 11-10645

helicopter Version P/N 11-00706

HEADSET ACCESSORIES — ADAPTERS



LIQUID FOAM EAR SEALS
Replacement ear seals for DC40 style headsets. Great comfortable replacement ear seals with foam and liquid interior.
P/N 11-02737



FOAM EAR SEALS
Replacement ear seals for DC40 style headsets. All foam interior with comfortable exterior. These superb ear seals will make you think twice before taking your headset off
P/N 11-02738



IPOD/MP3 ADAPTER
This adapter can be used to connect your IPOD or MP3 player directly into your intercom system. It comes in a 5 length.
P/N 11-03510



AIRBUS ADAPTER
This adapter will allow you to use your general aviation headset with a European Airbus intercom communication system.
P/N 11-03516

BLUETOOTH CELLPHONE / MUSIC ADAPTER
Bluetooth wireless technology allows the use of Bluetooth cellphone and iPod / MP3 player with any General Aviation headset.

GA Version P/N 11-06553 **\$249.00**
elicopter Version P/N 11-06613
Bose Version P/N 11-06614

PILOT USA ADAPTERS

| Description | Part No. | Price |
|---|----------|-------|
| PA-50 Push-to-talk use with or without Intercom | 11-07712 | . |
| PA-70S eadphone E tension 5ft | 11-06517 | . |
| PA-71 Microphone E tension 5ft | 11-10625 | . |
| PA-72S Dual eadset Adapter | 11-06518 | . |
| PA-72 Dual helicopter eadset Adapter | 11-03562 | . |
| PA-73S Dual eadphone Adapter | 11-06519 | . |
| PA-74 Dual Microphone Adapter | 11-10615 | . |
| PA-75 elicopter to GA headset Adapter | 11-10650 | . |
| PA-76 GA to elicopter eadset Adapter | 11-10630 | . |
| PA-77S eadset E tension 2 acks, 2 Plugs | 11-06520 | . |
| PA-77 elicopter eadset E tension 5ft | 11-00688 | . |
| PA-78 Mono Replacement eadset Cable Chrome Plugs | 11-03563 | . |
| PA-79 Mono/Stereo Replacement eadset Cable Chrome Plugs | 11-03564 | . |
| PA-79DNC M/S eadset Cable For use with PA-1779, PA-1776, PA-2 | 11-06521 | . |
| PA-80S GA Video Recorder/CD Player Adapter | 11-00694 | . |
| PA-80 elicopter Video Recorder/CD Player Adapter | 11-03565 | . |
| PA-81 Airbus Aircraft eadset Adapter | 11-03566 | . |
| PA-82 eadset Adapter for ICOM A22, A24 Transceiver | 11-02116 | . |
| PA-82.4 eadset Adapter for ICOM A4 Transceiver | 11-03567 | . |
| PA-82B Bose eadset Adapter for IC-A6, A22, A24 | 11-06523 | . |
| PA-82 elicopter eadset Adapter for IC-A6, A22, A24 | 11-06524 | . |
| PA-83 Europe NATO to S NATO eadset Adapter | 11-06525 | . |
| PA-84 S NATO to Europe NATO eadset Adapter | 11-06526 | . |
| PA-85 eadset Adapter for ICOM A5, A23 Transceiver | 11-00618 | . |
| PA-86A Amplified Cell Phone Adapter GA Twin Plug Version | 11-03568 | . |
| PA-86A Amplified Cell phone Adapter - elicopter Version | 11-06527 | . |
| PA-86AB Amplified Cell phone Adapter Panel Power BOSE | 11-06528 | . |
| PA-87 Impedance Converter i GA to low Military | 11-06529 | . |
| PA-87 Impedance Converter i eli to low Military | 11-06530 | . |
| PA-88 Amplified Impedance Converter low MIL to i GA | 11-10645 | . |
| PA-88 Impedance Converter Low MIL to i elicopter | 11-06531 | . |
| PA-89B Power Supply for Panel Power BOSE eadset | 11-03570 | . |
| PA-90S Triple eadset Adapter | 11-03571 | . |
| PA-91 GA Twin Plug eadset to .25 Single Plug Adapter | 11-00685 | . |
| PA-92 .25 Single Plug eadset to GA Twin Plug Adapter | 11-03572 | . |
| PA-93B GA to Bose Plug eadset Adapter | 11-06533 | . |
| PA-93B elicopter eadset to Bose Plug Adapter | 11-06602 | . |
| PA-94 elicopter Ground Crew E tension Cable /PTT 3ft. | 11-06534 | . |
| PA-95 eadset Adapter for Verte Transceiver | 11-03574 | . |
| PA-96 PC to GA Twin Plug eadset Adapter | 11-03575 | . |
| PA-97 Airbus Plug to GA eadset Adapter | 11-06535 | . |
| PA-98 Inline elicopter Volume Control | 11-06536 | . |
| PA-99 Inline GA Volume Control | 11-06537 | . |
| PA-100B Oxygen Mask Microphone Adapter for Bose Plug eadset | 11-06603 | . |



PC TO HEADSET ADAPTER
This adapter allows you to plug your standard aviation headset into your zpc while using flight simulator to feed sound into your headset with high fidelity and mic for high quality verbal communication. Plug play, no software needed. Requires a 9V battery, not included. Great companion to our flight-sim set-up.
P/N 11-02751



FOUR CONDUCTOR PHONE JACK
T -101 Mates with series TP-120, TP-102 plugs and plugs PT-101, -93-A/ , and -174/ . Nickel Plated beryllium copper contacts molded into a black plastic body.
P/N 11-02744

FIVE CONDUCTOR PHONE JACK

T -105, 385/ , M64/22-01 Mates with series TP-105, -384/ , M642/14-01. Nickel plated beryllium copper contacts molded into a red plastic body.
P/N 11-02745

AUDIO GOLD PLUG ADAPTERS

JB-11LDS - 1/8 stereo to .25 stereo plug, increases a 3.5mm plug to a .25 stereo plug. P/N 11-02746

JB-11LDM - 1/8 mono to .25 stereo plug, increases a 3.5mm plug to a .25 mono plug. P/N 11-02747

JB-11DLS - .25 stereo to 1/8 stereo plug, decreases a .25 plug to a 3.5mm stereo plug. P/N 11-02740

JB-11DLM - .25 mono to 1/8 stereo plug, decreases a .25 plug to a 3.5mm mono plug. P/N 11-02741

FIVE CONDUCTOR PHONE PLUG

-384/ , TP-105, M642/14-01 Mates with series T -105 and T -125. One piece monel contacts integrally molded into red plastic body.
P/N 11-02742



CABLE JUNCTION BOX
This product allows you to convert two cables into one. Size 1.5 1 .5 . Comes with 4 screws.
P/N 11-02743

SIGTRONICS ADAPTER CABLES

PTT Switch intercom use with intercom P/N 11-02806
eadphone Replace. Cable Stereo 5 P/N 800029
eadphone Replace. 3-6 Coil Mono P/N 800034
eadphone Replace. Coil 3-6 Stereo P/N 800035
Mono eadphone 5 Cord P/N 800037
M-90 Electret Microphone P/N 800078
M-80 Electret Microphone P/N 800082
Converter STD Aviation Plug P/N 900050
Converter Plug-STD Aviation P/N 900051
Converter Plug-STD Avia-Coiled P/N 900052
eadset 5 Straight Monaural P/N 900053
eadset 3-6 Coiled Monaural GA Version ... P/N 900054
eadset E t 3-6 Coiled elicopters Version P/N 900055
Microphone Adapter P/N 900056
eadphone Monaural Adapter P/N 900057
eadphone Stereo Adapter P/N 900058
eadphone 5 Straight Monaural P/N 900059
Microphone E tension Cable P/N 900060
eadphone 5 Straight Stereo P/N 900061
Converter Plug to STD Avi Plug P/N 900062
Convert -75 to 174 Plug 18 P/N 900063
Convert STD Plug to -75 P/N 900064
Converter to -75 Plug 18 P/N 900065

PUSH TO TALK SWITCH HOUSINGS

FRONT OF HOUSING SWITCH - Housing provides a neat, clean mounting for PTT switches, made for P/N 11-02926. Housing is 3/4 in length and has a base width of 1 . Machined from solid billet aluminum. Screws included with mounting instructions. Can also be used to mount any other switch control on the yoke. Color Red ACS 001
P/N 11-04117



STANDARD HOUSING SWITCH REAR - Made for the American Standard switch P/N MSPF-101BCA. Housing is 3/4 in length, has a base width of 1 . Machined from solid billet aluminum. Screws included with mounting instructions. Can also be used to mount any other switch control on the yoke. Color Black ACS 002
P/N 11-04418



AWW PTT HOUSINGS - Housings measure 1 inch in length, 1/2 in diameter with a mounting width of 1/2 . Mounts with 2 4 countersunk screws.
TOP P/N 11-07340
BACK P/N 11-07341



HOUSING FOR MICROMINI MOMENTARY SWITCH
P/N 11-07342

