AIRGIZMOS, LP

Installation Instructions for iPad mini 6 Panel Dock®
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INST-AD-ISPD032-001

Thank you for purchasing an AirGizmos Panel Dock. This mount was designed to securely hold your portable electronic device. It allows you to quickly remove your portable device for upgrades, flight planning, or for use in another aircraft. We also feel that this is a safer way to use your portable equipment, as it is securely held in the panel at all times. We hope you receive years of enjoyment from our product. Before beginning the installation process, please take a moment to fill out the registration card.

The Panel Dock has been 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. The hardware included is as follows: 4 AN365-832A ELASTIC LOCK NUTS, 4 AN525-832R8 SCREWS WITH INTEGRAL WASHERS, and 4 AN960-8 FLAT WASHERS.

A word of caution: we have designed the mount to be installed using standard screws, and we have fabricated the flanges to allow clearance of the screw heads. Please do not attempt to use countersunk screws. Counter-sinking plastic is generally not a good idea, and we cannot guarantee that our product will perform its duty if you choose to countersink the holes. Also, please don't use Loctite®, or similar adhesive products for additional security the screws, it will have a negative effect on plastic. Use the included hardware, or something similar, and everything will be fine. Let's get started.

Step 1: Prepare a hole in your panel
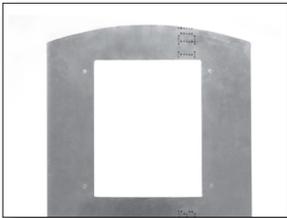
The dimensions of the iPad mini Panel Dock are included for reference, but measure yours just to be safe.

Step 2: Position mounting rails if doing a non radio stack installation
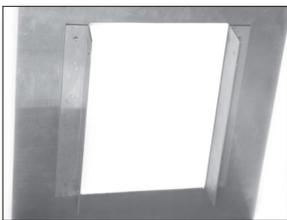
These instructions show the use of rails which are spaced similar to standard radio stack, but that is not the only way to install it. The only requirement for installation is that you must attach the side flanges to side supports spaced the correct distance apart. Two pieces of 1" 6061 aluminum angle works well. Position your rails as desired, making sure they are the proper distance apart, and parallel to each other. You can rivet the rails to the front panel or choose to attach the rails by aircraft quality (AN type) hardware. Either method works well.

Step 3: Test-fit the Panel Dock
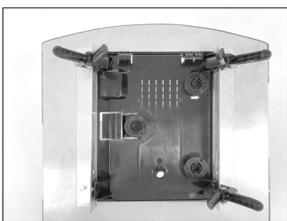
Position the iPad mini Panel Dock in your panel. This will allow you to determine how it should look from the front before you drill any holes. At this point you should make any adjustments to the rails in order to have your iPad mini properly positioned in the panel.

Step 4: Verify the look and function of the mount

With the Panel Dock secured with the edge clamps you can verify that it is at the correct depth and fits to your liking.

The Panel Dock should be positioned enough above the panel to allow for insertion of the cables though the available slots in the Panel Dock.

Step 5: Mark the holes for drilling
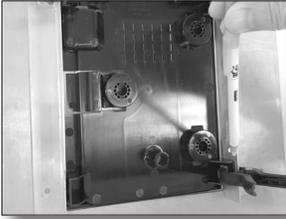
Remove one edge clamp at a time and mark the position of each hole with a pen. Use a circular motion to mark the outer edges of the hole. This will make it easier to determine the exact center. Do this for all four holes, replacing the edge clamps as you go.

There are a number of ways in which you may choose to drill the holes. You can remove the rails from the panel and drill them on a drill press, or you may use an angle drill to drill them in the plane. Be careful to make accurate holes at the marks you made, and you will be fine.

Step 6: Mount the Panel Dock using the supplied hardware
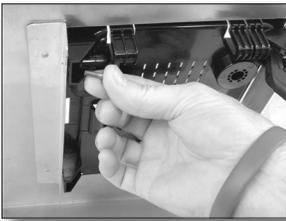
The bolts we provide have an integral washer on the screw-head side. This provides adequate distribution of force on the plastic to keep it from cracking. Position the hardware so that the screw head is located on the plastic side and the nut is on the outer side of the metal rail. Please, be sure not to overtighten the screws, it may result in cracking of the plastic of the Panel Dock.

Step 7: Insert the iPad mini

To install your iPad mini into the Dock, gently snap it into place.

The Panel Dock has a slot at the bottom to plug in the USB C cable.

Step 8 (optional): Adjustment for fitting
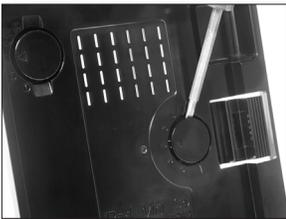
If your iPad is not fitting securely, you can pop out the lifters using two flat head screwdrivers and rotate them to a different position. Position 3 is the default position.

If you are adjusting for thickness, make sure to set all 3 lifters to the same setting.

Congratulations! Your installation is complete. Please email us with any questions you might have at info@airgizmos.com.