![AirGizmos, LP logo]

Installation Instructions for 695/696 Panel Dock®
Revision 4, March 30, 2018
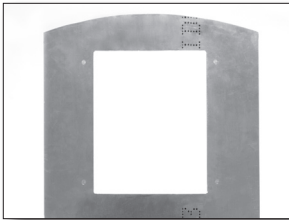INST-A_90020129-001

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 from your plane for upgrades, flight planning, or for use in your car or boat. 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, 4 AN960-8 FLAT WASHERS, and 4 MS35214 6-32 BLACK INSTRUMENT SCREWS.

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.
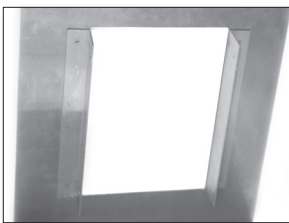
Step 1: Prepare a hole in your panel

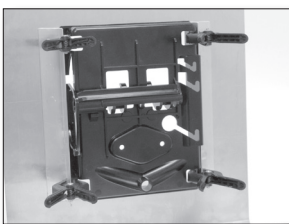The dimensions of the 696 Panel Dock are included for reference, but measure yours just to be safe.

Note: if you are installing this product with Garmin avionics, you will find that Garmin uses 6.3" wide trays. To account for the difference it is acceptable to use washers. One thin washer on each bolt will work just fine.

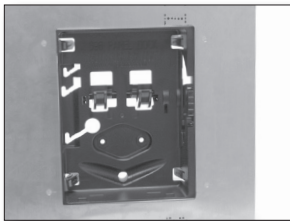## Step 2: Temporarily attach mounting rails to the Panel Dock

These instructions assume that you are installing the 696 Panel Dock in a 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 two pieces of angle, spaced the correct distance apart. Two pieces of 1" 6061 aluminum angle works just great. 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 hardware. Either method works great.

Step 3: Test-fit the Panel Dock

Position the 696 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 adjust-ments to the rails in order to have your GPS properly positioned in the panel.

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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.
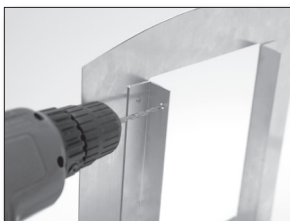
Step 5: Mark the holes for drilling

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.
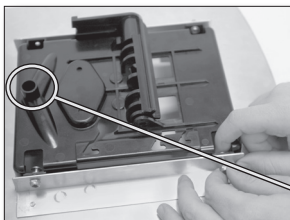
Do this for all four holes, replacing the edge clamps as you go.

Step 6: Drill the holes

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. Just be careful to make accurate holes at the marks you made, and you will be fine.

Step 7: 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.

Vent Tube: Vent tube can be plumbed for an avionics cooling fan.

Step 8: Install the bracket on the back of the GPS

Using the four supplied 6-32 black screws, attach the bracket to the back of your GPS. Tight securely making sure to not overtighten the screws - it may result in cracking of the bracket.

Step 9: Insert the GPS and attach cables

To install your GPS into the dock, first roll the latch to the full down position. Set the GPS onto the tabs on the bottom of the Panel Dock and attach your antenna and power cables. Rock the top of the GPS into the Panel Dock. It may require a bit of pressure, but the GPS should snap into place. Finally, roll the latch to the up and locked position. This will pull the GPS securely into the Panel Dock.

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

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