

FDAIP-P/-B

Installation and Operation Manual

Auxiliary Input Panel Kit



TECHNICAL SUPPORT
678-867-6717, or
www.FlightDisplay.com

Flight Display Systems
Enhancing the Flight Experience

FDAIP

Auxiliary Input Panel

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General Information

The FDAIP is an Auxiliary Input Panel designed to serve as an easily accessible method of providing input video and audio from systems such as MP3 Players, PlayStation/X-Box systems, camcorders, etc to an existing entertainment system.

Front View



Shown: FDAIP-B

Additional Information

The FDAIP comes in two models, both of which are unfinished, and can be anodized, painted, or plated: The FDAIP-P comes with a standard plate, and the FDAIP-B (shown above) comes with a two-piece bevel to match the customer's interior. The installation facility can have the units finished prior to assembly installation.

Specifications

Dimensions	2" (W) x 1.5" (H) x 1.1" (D)
Materials	304 Stainless Steel (FDAIP-P) 304 Stainless Steel & 6061-T6 Aluminum (FDAIP-B)
Weight	3.2 oz
Connections	3 x RCA 1 x Stereo 3.5mm

Installation Instructions

Verify materials included in box:



(1)



(2)



(3)



(4)



(5)



(Misc)

(Not shown: Pre-assembled wiring harness)

Note: The FDAIP-P comes with Part (1) and the FDAIP-B comes with Parts (2 & 3). Parts (4-6) are included with both.

1. Take Part (4) and insert 2 **4-40x1/2" socket cap screws** into the bottom holes.



2. (*FDAIP-B Only*) Combine Parts (2) and (3) as shown. In future steps, this assembly will be referred to as Part (1).



3. Remove the ground connection washers and nuts from each **RCA Jack** (from *Misc*) and place into the holes of Part (1) in this order:



Red, White, Yellow, Blank (Larger)

4. Place Part (4) on the back of the Red and Yellow RCA Jacks on part (1) as shown:



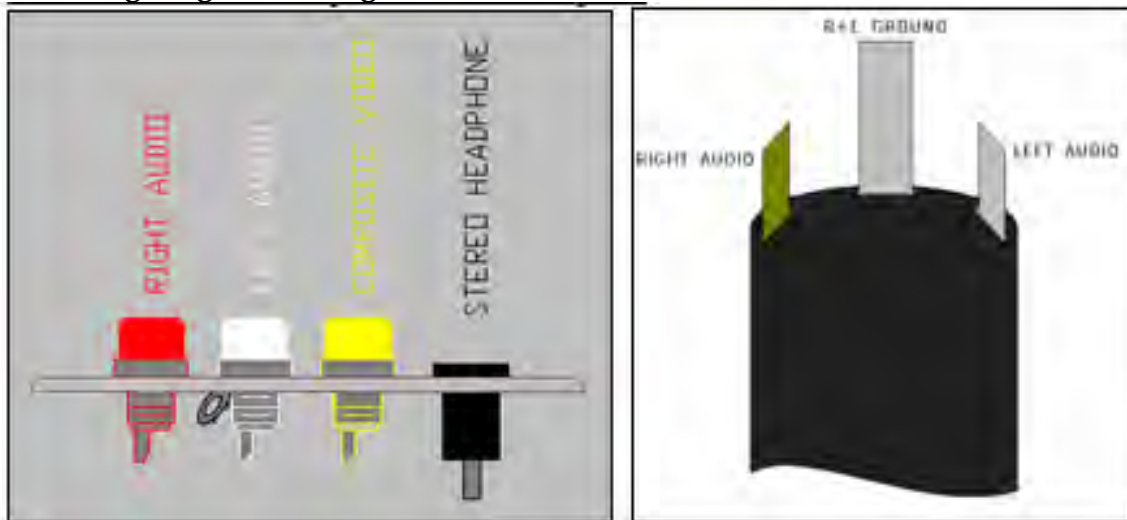
5. Replace the ground connection washer on the back of the White RCA Jack and secure all with the removed nuts:



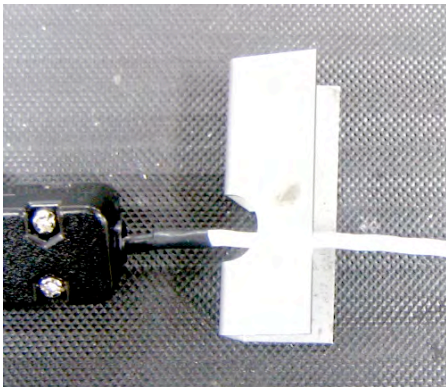
6. Insert the **Stereo Jack** (from *Misc*) into the remaining hole, and secure with a nut:



For the following wiring instructions (Steps 7-14), refer to the following diagrams, and the wiring diagram on Page 6:



7. Insert the pre-assembled wiring harness through the circular hole in Part (5) as shown:

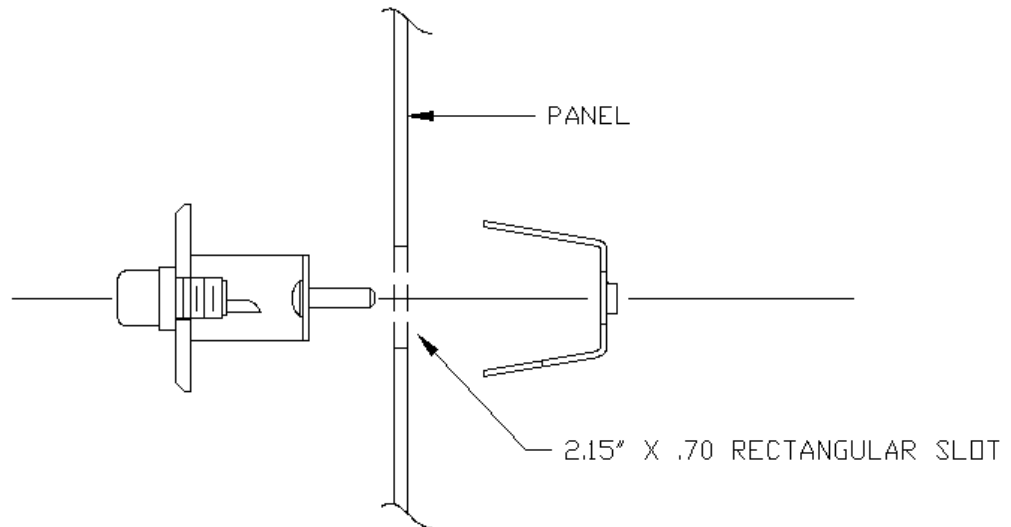


8. Solder both of the black wires from the pre-assembled wiring harness to the ground connection washers on the White RCA Jack, and the R+L Ground connection on the stereo jack.
9. Solder the orange/white wire from the pre-assembled wiring harness to the signal connection of the red (Right Audio) RCA Jack.

10. Solder the white wire from the pre-assembled wiring harness to the signal connection of the white (Left Audio) RCA Jack.
11. Solder the blue/white wire from the pre-assembled wiring harness to the signal connection of the yellow (Composite Video) RCA Jack.
12. Cut one each of orange and white 22g wire to 1 $\frac{3}{4}$ " length.
13. Strip and solder the orange wire from the signal connection of the red (Right Audio) RCA Jack to the Right Audio connection of the stereo jack.
14. Strip and solder the white wire from the signal connection of the white (Left Audio) RCA Jack to the Left Audio connection of the stereo jack.

Mounting

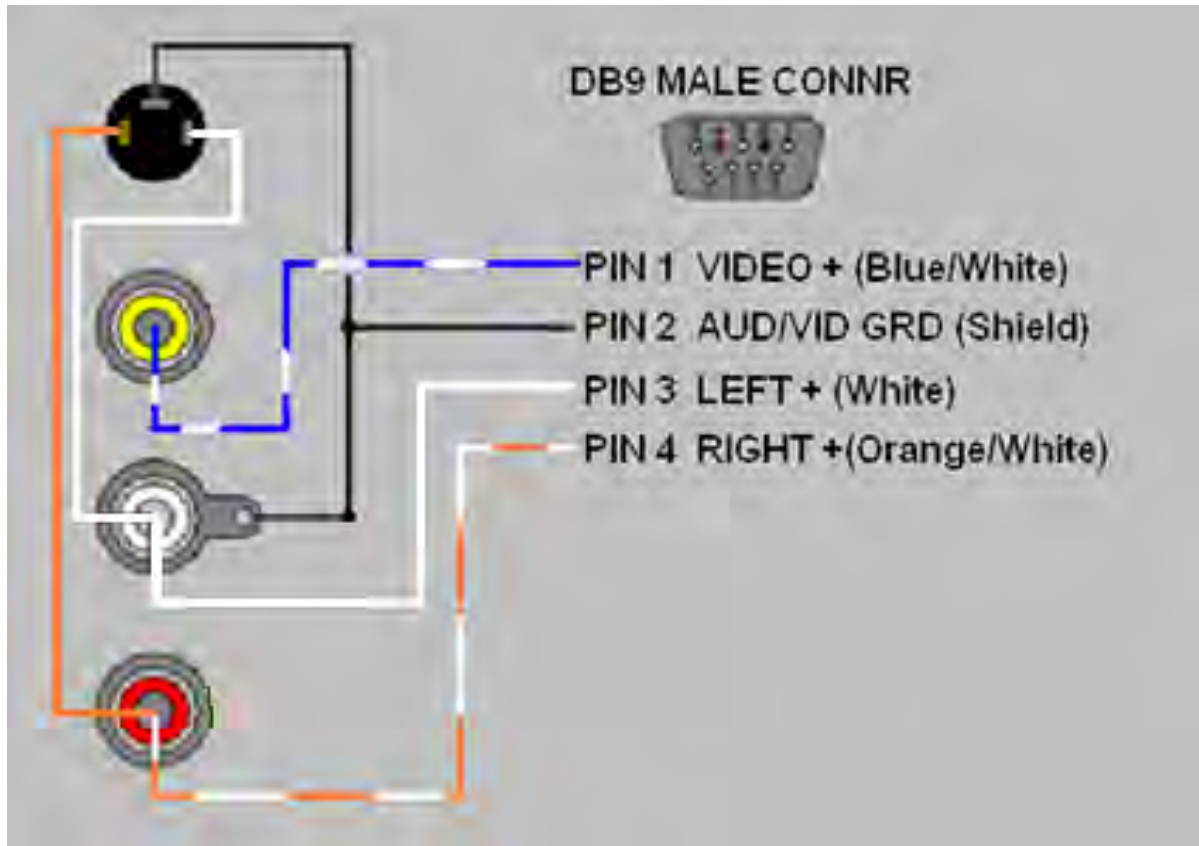
15. Cut a rectangular slot (2.15" x 0.70") into the selected panel. Insert the assembled pieces in the front of the panel.
16. Secure Part (5) to the back of the assembly, on the back side of the panel:



17. Use a 3/32" Ball Driver through the Red and Yellow RCA Jacks to tighten the 4-40x $\frac{1}{2}$ " socket cap screws as shown (Panel not shown for clarity):



Wiring Diagram



Troubleshooting

1. If no video is displayed, ensure that the wiring is to the Yellow RCA jack.
2. If left and right audio are out of sync, ensure that the Right Audio is wired to the Red RJA jack, and the Left Audio is wired to the White RCA Jack. If using the stereo jack, ensure that the wiring is correct.
3. If not audio or video is present, check the source (DVD player, MP3 player, etc), all check all connections including the FDAIP and DB9 connector.

Technical Support

Should you have any questions concerning this product or other Flight Display Systems products, please contact our Product Support representatives at (678) 867-6717.

Flight Display Systems

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For further product information, technical data and sample wiring diagrams, please click on the **Dealers** section of our web site at www.flightdisplay.com

Instructions for Continued Airworthiness

The FDAIP is designed not to require regular general maintenance.

Warranty Information

Flight Display Systems warrants the FDAIP against material or manufacturing defects for a two-year period (effective 1/1/2009 on all equipment shipped with 2009 pricing). Warranty begins on date of installation.

Please call our Technical Support at 678-867-6717 to obtain an RMA number. Flight Display Systems will, upon receipt of the failed hardware, remanufacture or replace the unit at our discretion.

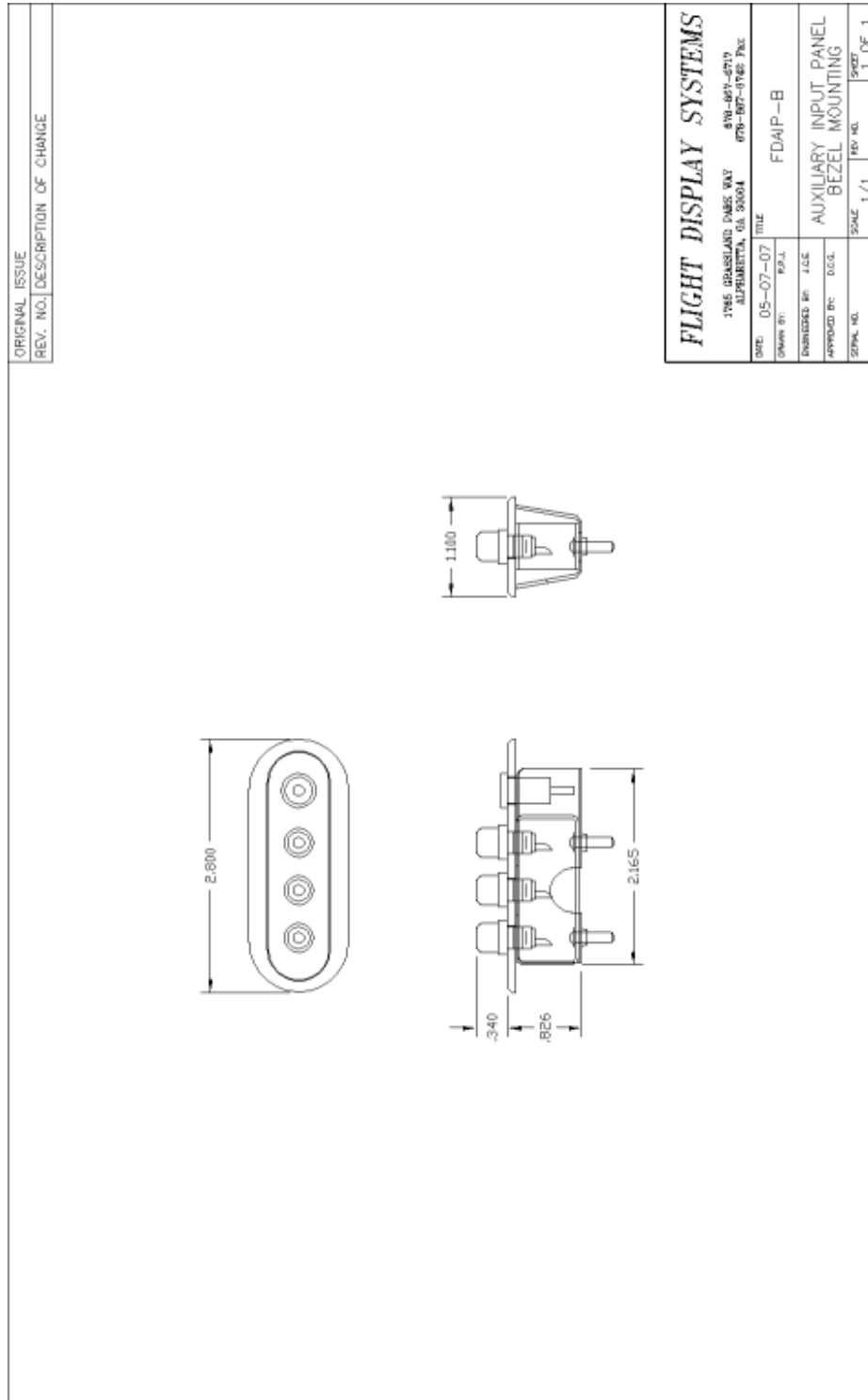
Flight Display Systems will pay Ground Shipping charges for warranted items. Charges for express shipment will be the responsibility of the sender.

This warranty is not transferable. Any implied warranties expire at the expiration date of this warranty. We shall not be liable for incidental or consequential damages.

This warranty does not cover a defect or failure that has resulted from improper or unreasonable installation, use or maintenance, as determined by Flight Display Systems. This warranty is void if there is any attempt to disassemble or open this product without factory authorization.

Any labour charges associated with the removal of product or related troubleshooting by a firm other than Flight Display Systems or its designee will not be covered.

Assembly Drawing



FDAIP-B Drawing

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Log of Revisions

Rev	Date	Page	Description
A	06/08/2007	---	---
B	03/04/2009	2,8	Updated specifications, warranty info