

AFC3 Receiver Board Installation:

Instructions for adding a receiver board to the AFC3 chassis in the field.

1. Received Board and miscellaneous parts: The package upon receipt should contain:
 - a. The specified receiver board,
 - b. Four mounting screws (No.4 x 3/8), and
 - c. Identification labels.
 2. **Remove power** from the AFC3 and remove the top cover from the AFC3 chassis.
 3. Locate the cabling in the area where the receiver is to be located. (see Figure 1)
 4. Remove the one cable tie that holds excess cable length in place (the tie that has never had the tail removed). This allows the power cable (red and black wires) to move freely.
 5. Attach the Power cable (red and black wires) to the two pin connector on the board. Notice how the other boards have this connector attached. The red wire **MUST** connect to the pin marked **PWR+** or the power supply will be shorted and damaged.
 6. Arrange the power cable under the board to be mounted and then slip the board under the cabling harness of other wires into place. Notice the orientation of other boards installed. They all are installed in a like manner.
 7. Hold the board in place by installing the four No.4 screws.
 8. Attach the cable for the Balanced output (orange and white wires from the rear panel mounted DIN connector) to the two pin connector on the board marked BAL OUT. (See Fig. 2 for general board header location.)
 9. Attach the connector for the audio (single wire in a two pin connector that is a different color based on which board slot ("A", "B" or "C") the new receiver board is to occupy) (In the "A" position the wire is orange, "B" position the wire is green, "C" position the wire is white). The wire should make contact with the pin marked PH+ on the board. All boards have similar connections, check the other boards installed.
 10. Attach the connector for the Carrier LED. (single wire in a two pin connector that is a different color based on which board slot ("A", "B" or "C") the new receiver board is to occupy) (In the "A" position the wire is white, "B" position the wire is black, "C" position the wire is green). The wire should make contact with the pin marked "S" on the receiver board. All boards have similar connections, check the other boards installed.
 11. Attach the connector from the RELAY DIN connector mounted on the AFC3 rear panel. This connector is attached to the three pin connector on the receiver board located near the RY1 relay. Check the other receiver boards for similar connections.
 12. That should complete the installation unless the board being installed is a Weather receiver. This receiver has a seven pin header on the board that is connected to a five wire, five pin connector that is part of the wire harness. The connector is attached to the five right pins of the header. These pins are marked, from right to left, RST, GND, TEST, ALED K, ALED A. The blue wire in the cable connector should contact the far right pin marked RST. The two pins on the board marked PLED A, and PLED K, are not to be connected.
 13. Attach the labels supplied as with other installed receivers. Replace the AFC3 cover. Apply power to the AFC3.
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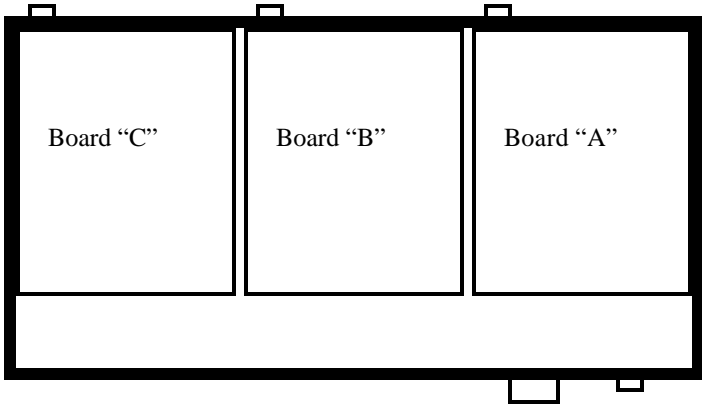


Fig. 1 AFC CHASSIS Top View

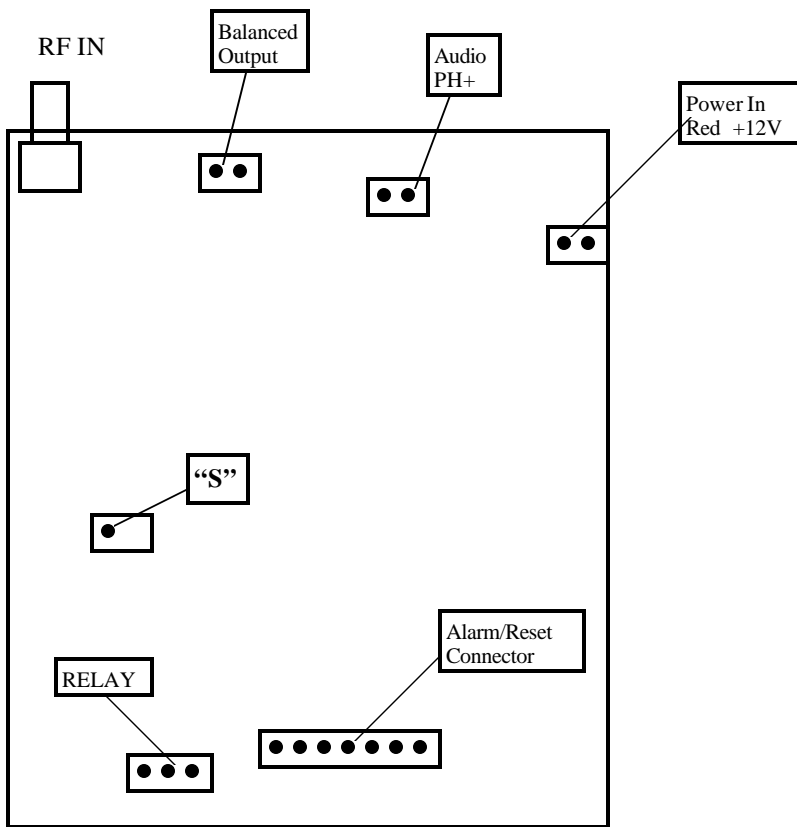


Fig. 2 General receiver board connector locations
See specific receiver Manual for exact locations.