MODEL 6800L

POWER AMPLIFIER MAINFRAME

INSPECTION

Locate all boxes. Boxes are marked 1 of N, 2 of N . . . N of N (for example, 1 of 5, 2 of 5, . . . 5 of 5), where N is the total number of boxes in the shipment. The packing list is always located in a clearly marked plastic envelope attached to the top of box 1. In addition, the contents of each box is marked on the top.

Before opening any cartons, inspect all cartons for damage. IED equipment is shipped in Instapak™ foam because of the superior protection from shipping damage which it offers, while at the same time minimizing environmental impact. With Instapak™ protection, damage to the contents is extremely rare. In the event that damage does occur, note carefully the identity of any boxes which show evidence of shipping damage. Claims for shipping damage must be filed against the carrier.

Using an appropriate blade, open cartons by carefully cutting the tape seal at the top, then fold back the top flaps. The Instapak™ is installed in two parts. The main portion fills the bottom of the carton and is covered by a plastic film. The contents are imbedded in the lower portion. A top cushion is fabricated of Instapak surrounded by film. This top cushion completely covers the lower portion. Together they fit snugly in the cartron.

Carefully remove the contents of each box, one piece at a time. Check for any visual signs of damage. Check each piece off the packing list, noting any damage or discrepancies. Report any discrepancies to IED immediately.

INSTALLATION

Mount the mainframe in the rack. Typically, 10-24 flat or oval head machine screws are used, in combination with plastic cup washers. Plastic is recommended to prevent scratching of the surfaces. Before tightening the screws completely, check the alignment of the doors, and make any necessary adjustments.

Connect all field wiring to the rear of the mainframe. See page 2.

If the circuit cards are already installed, verify that they are properly seated. To do this, first unseat them using the card ejector. Then reseat them by pressing firmly forward with both thumbs, one at the upper corner and one at the lower corner, until each card enters its euro connector and is completely seated.

If the circuit cards are not already installed, install them in the mainframe at this time. Insert each card into a slot with the card ejector up. Slide it forward until it touches the euro connector. Seat it by pressing firmly forward with both thumbs, one at the upper corner and one at the lower corner, until it enters its euro connector and is completely seated.

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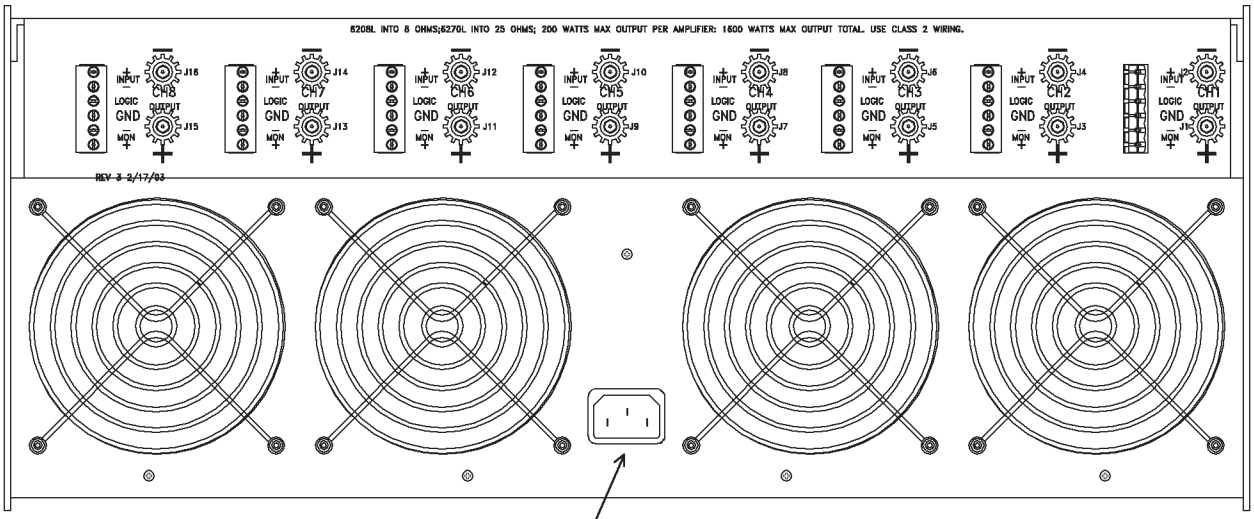
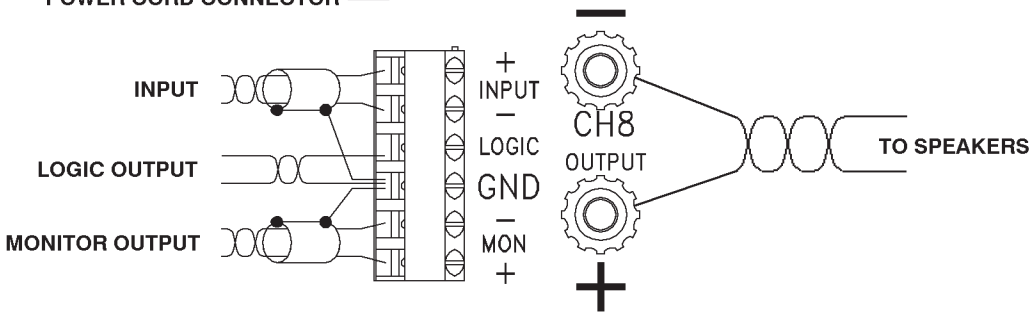
REAR PANEL CONNECTIONS





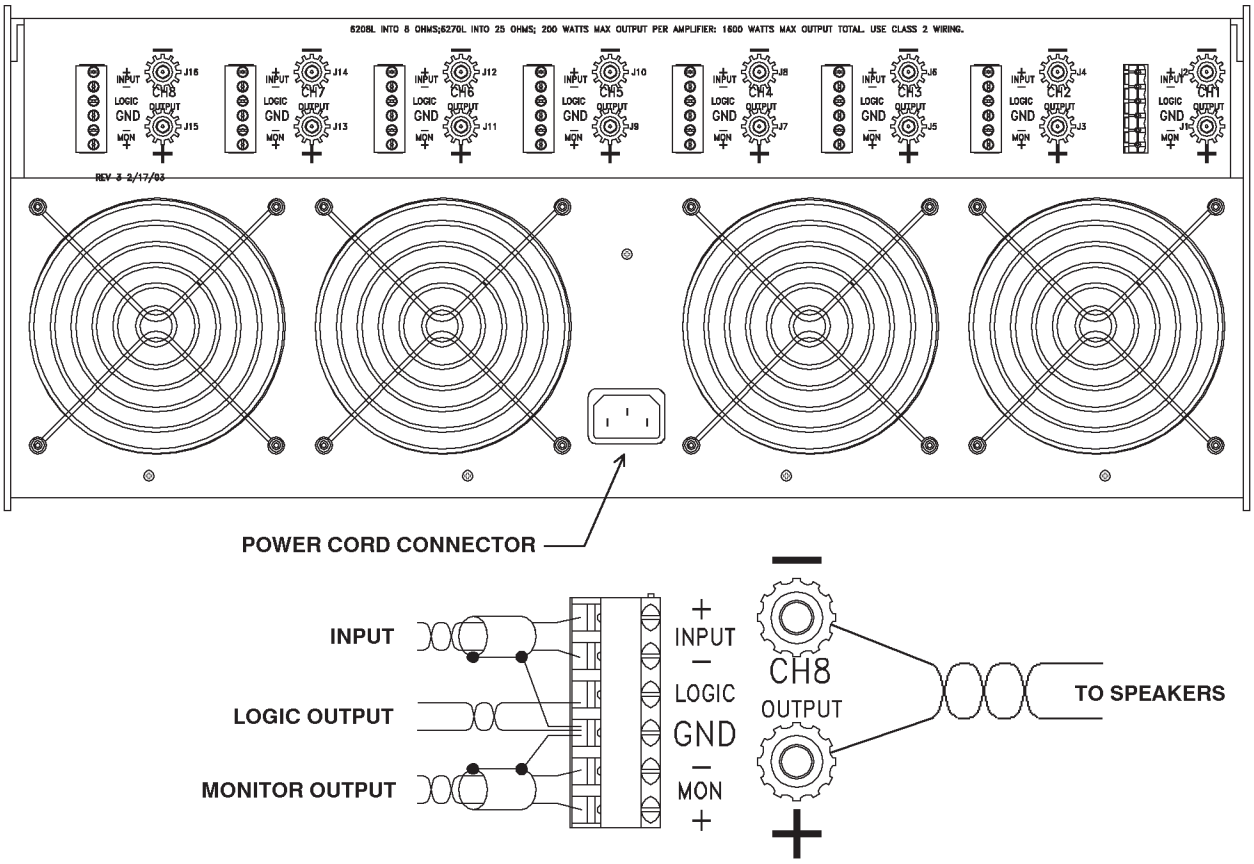
CAUTION! To avoid danger of electric shock and damage to the equipment, turn 'Off' the power to the amplifier before connecting or disconnecting any wiring to the rear panel of the mainframe.

For all audio inputs and monitor outputs use 22 AWG stranded twisted pair with an overall shield such as Belden 8451, or equivalent. For all Logic Outputs (fault indicators) use 22 AWG twisted pair such as Belden 8442 or equivalent. For speaker outputs use 18 AWG speaker wire such as Belden 8461 or equivalent. Make connections as shown above.

The 6800L Mainframe utilizes a removable power cord, Belden 17250, or equivalent for 120 VAC operation. Use only a UL listed power cord of equal or heavier gage. Connect the AC power cord to its receptacle on the rear panel of the mainframe.

The main output terminals are 5-way banana jacks on ¾ inch centers. They will accept separate banana plugs, a standard dual banana plug, spade lugs, tip plugs, or bare wire ends.

LOGIC AND MONITOR OUTPUTS



CAUTION! To avoid danger of electric shock and damage to the equipment, turn 'Off' the power to the amplifier before connecting or disconnecting any wiring to the rear panel of the mainframe.

The Logic Output is an indicator of amplifier operation. When the amplifier is in operation the Logic Output will be at +5 V. When it is not operating, the Logic Output will be at 0 V. The Logic Output may be used to drive a 100 kΩ or greater load such as the input to IED Model 596 Switch Matrix for testing.

The Monitor Output is designed to drive a monitor speaker. It is current limited to 1 W, maximum. Exceeding the limit may cause clipping of its signal.

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