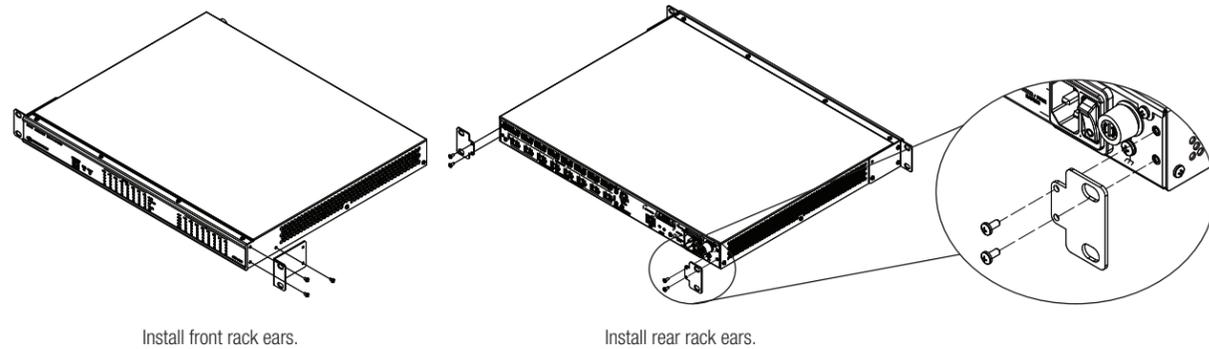


AMP(I)-8075/AMP(I)-8150 Avia™ 8-Channel Commercial Amplifiers

The Avia™ AMP-8075, AMPI-8075, AMP-8150, and AMPI-8150 feature similar operation. For simplicity within this guide, the term “amplifier” is used for all models except where noted.

DO Install the Device

These devices occupy 1U of rack space. Using a #1 or #2 Phillips screwdriver, attach the included rack ears to the device, and then mount the device into the rack using eight mounting screws (not included).



DO Connect the Device

Make the necessary connections as called out in the following diagrams. Connect power last.

CAUTION: When connecting a Windows® 7 or Windows 8 computer to the COMPUTER port for the first time, make sure the computer has a live connection to the Internet. For more information, refer to Answer ID 5745 in the Online Help section of the Crestron website (support.crestron.com).

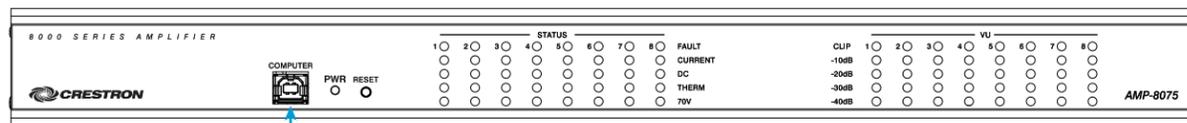
CAUTION: Keep the device unplugged until all of the input, network, and speaker wiring is complete.

CAUTION: Check the speaker wires for shorts and frayed wiring around the SPEAKER OUTPUTS connectors.

NOTE: Ensure the unit is properly grounded by connecting the chassis ground lug to an earth ground (building steel).

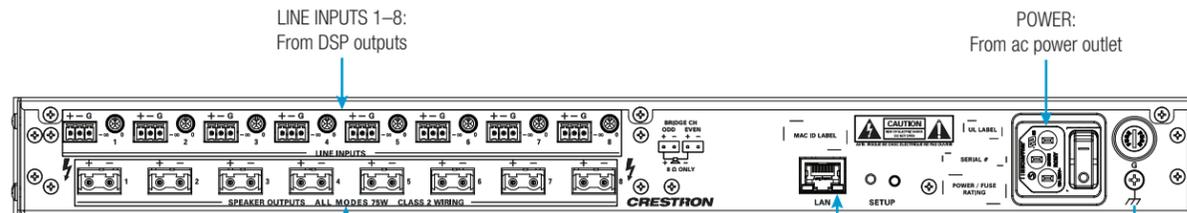
NOTE: To prevent overheating, do not operate this product in an area that exceeds the environmental temperature range listed in the table of specifications on the product web page.

Front Panel



COMPUTER:
Direct computer connection to device

Rear Panel



SPEAKER OUTPUTS:
To speakers

LAN:
10/100/1000BASE-T Ethernet to LAN

Ground

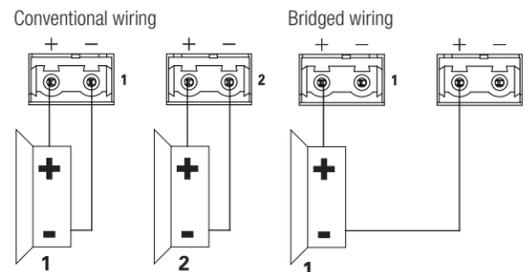
DO Check the Box

QUANTITY	PRODUCT	PART NUMBER
2	Bracket, Rack Ear, 1U	2032122
2	Bracket, Rear Mounting	2045677
1	Cable, USB 2.0, A - B, 6' (1.83 m)	2014966
8	Connector, 2-Pin	2044402
8	Connector, 3-Pin	2003575
AMP-8075 and AMP-8150 Only		
1	Fuse, 10.0 A, Time Lag, 1.25" x 0.25", Ceramic Cartridge, 250 V	2017577
1	Power Cord, 6' 7" (2 m)	2001134
AMPI-8075 and AMPI-8150 Only		
1	Fuse, 6.3 A, Time Lag, 5 x 20 mm, Ceramic Cartridge, 250 V	2024846
1	Power Cord	Varies by country

Speaker Connections

The speaker outputs can be wired conventionally, or they can be bridged to deliver higher power to a speaker. Refer to the following diagrams when connecting speakers.

WARNING: This amplifier is capable of delivering high power to the loudspeakers. Please use caution and adequate ear protection if listening to content at high volume levels, as continued exposure to high sound pressure levels can cause permanent hearing impairment or loss.



Speakers are bridged with the Avia Audio tool, which can be downloaded from www.crestron.com/software. The possible bridging combinations are Output 1 & Output 2, Output 3 & Output 4, Output 5 & Output 6, and Output 7 & Output 8.

NOTE: Only 8 ohm speakers can be bridged.

Fuse Replacement

If the amplifier does not power up when the power is turned on, the fuse may need to be replaced. The fuse holder is located on the rear panel, next to the power switch. To replace the fuse, perform the following procedure:

1. Disconnect power to the amplifier.
2. Use a flat-head screwdriver to push in the fuse holder.
3. While pushing in the fuse holder, turn the screwdriver counterclockwise until the fuse holder pops out.
4. Remove the fuse from the fuse holder and insert a new fuse.

MODELS	REQUIRED FUSE TYPE
AMP-8075 AMP-8150 (US & Canada)	10.0 A, Time Lag, 1.25" x 0.25", Ceramic Cartridge, 250 V
AMPI-8075 AMPI-8150 (International/220-240 VAC)	Fuse, 6.3 A, Time Lag, 5 x 20 mm, Ceramic Cartridge, 250 V

CAUTION: Use the specified type of fuse only. Failure to do so may cause damage to the amplifier.

NOTE: One spare fuse is included.

5. Insert the fuse holder into the amplifier.
6. Push in the fuse holder with a flat head screwdriver. While pushing in the fuse holder, turn the screwdriver clockwise until the fuse holder sets into place.
7. Push in the fuse holder a little further and turn the screwdriver clockwise until the fuse holder locks in place.
8. Connect power to the amplifier.



DO Operate the Device

Apply Power

To turn the amplifier and audio outputs on, move the POWER switch to |. To turn the amplifier and audio outputs off, move the POWER switch to **O**. This will also reset the unit.

When power is applied to the device, the PWR LED on the front panel operates with the following behavior:

- Green - Normal operation
- Amber - Device is booting up
- Amber/Green (Cycling) - No network connection

Adjust the Signal Levels

Each input has its own signal level control that can be adjusted as necessary to balance the sound between inputs or to accommodate different audio sources. To adjust an input's level, turn the knob clockwise to increase the signal level or turn the knob counterclockwise to reduce the signal level.

Monitor Operation

Use the front panel's status indicators and VU meters to monitor each speaker output.

LEDs in the STATUS section indicate the following for each output:

- Presence of a fault
- An overcurrent condition
- A DC offset condition
- Excessive operating temperature
- 70 volt operation (100 volt operation for AMPI-8075 and AMPI-8150)

LEDs in the VU section indicate each output's signal level and whether a clipping condition is present.

Reset the Device

Press **RESET** on the front panel to restart the device.

DO Learn More

Visit the website for additional information and the latest firmware updates. To learn more about this product, use a QR reader application on your mobile device to scan the QR images.

Crestron Electronics

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888.CRESTRON | www.crestron.com

AMP-8075



AMP-8150



As of the date of manufacture, these products have been tested and found to comply with specifications for CE marking.



These products are Listed to applicable UL® Standards and requirements tested by Underwriters Laboratories Inc. Ces produits sont énumérés aux normes applicables et les exigences UL par Underwriters Laboratories Inc.

Federal Communications Commission (FCC) Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada (IC) Compliance Statement

CAN ICES-3(B)/NMB-3(B)

Rack Mounting Safety Precautions

- **Elevated Operating Ambient Temperature:** If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient temperature. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T_{ma}) specified by the manufacturer.
- **Reduced Airflow:** Installation of the equipment in a rack should be such that the amount of airflow required for safe operation of the equipment is not compromised.
- **Mechanical Loading:** Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
- **Circuit Overloading:** Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
- **Reliable Earthing:** Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g., use of power strips).

Electrical Connection

"This product must be connected to an earthed mains socket-outlet."

- **Finland:** "Laite on liitettävä suojamaadoituskoskettimilla varustettuun pistorasiaan."
- **Norway:** "Apparatet må tilkoples jordet stikkontakt."
- **Sweden:** "Apparaten skall anslutas till jordat uttag."

The specific patents that cover Crestron products are listed at <http://www.crestron.com/legal/patents>.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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This document was written by the Technical Publications department at Crestron.

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The product warranty can be found at www.crestron.com/warranty