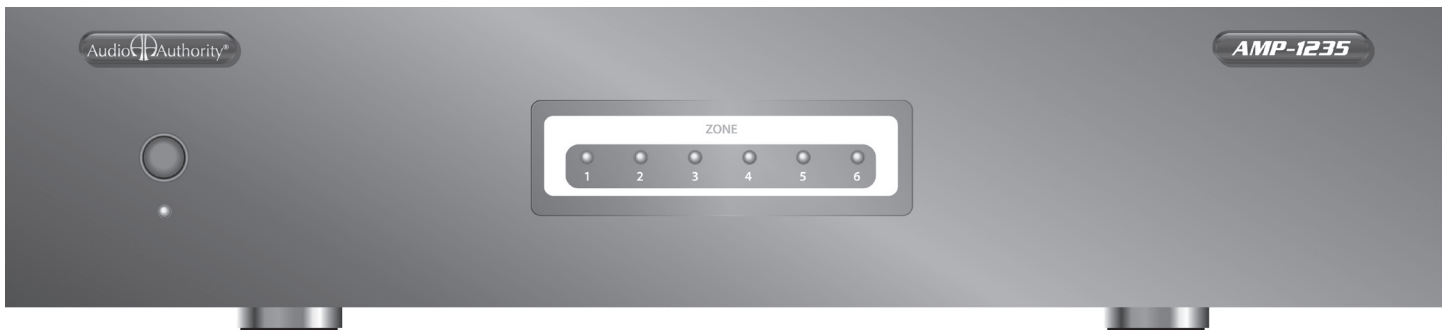


Installation and Operation

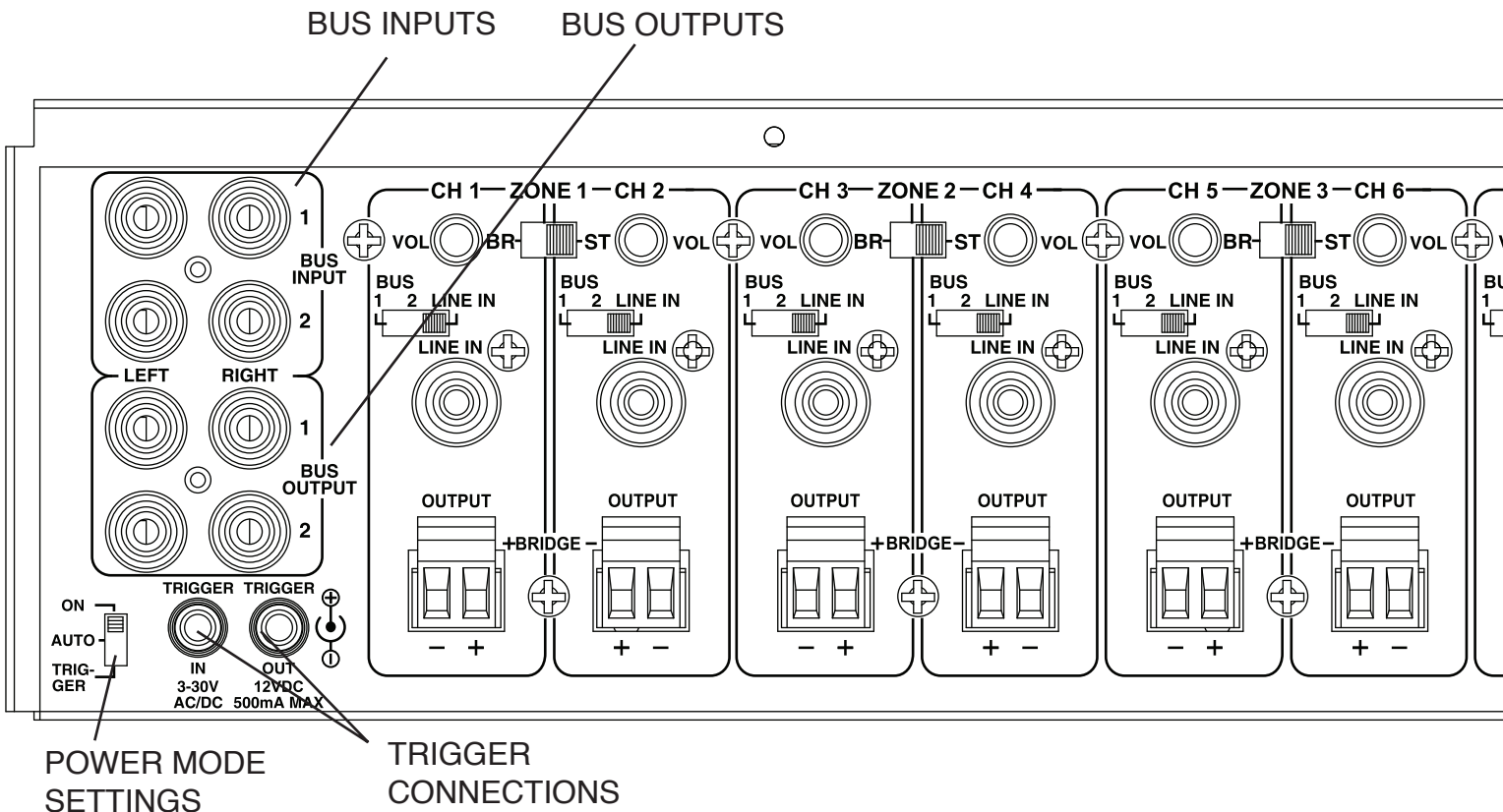


Model AMP-1235 High Performance 12 Channel Amplifier

Audio  Authority®

Features

- Thermal and short circuit protection
- Versatile input selection
- Variable gain for each channel
- Rack-mountable design
- Bridgeable speaker outputs for more power
- Selectable turn-on modes
- Heavy-duty construction



Warnings

To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.



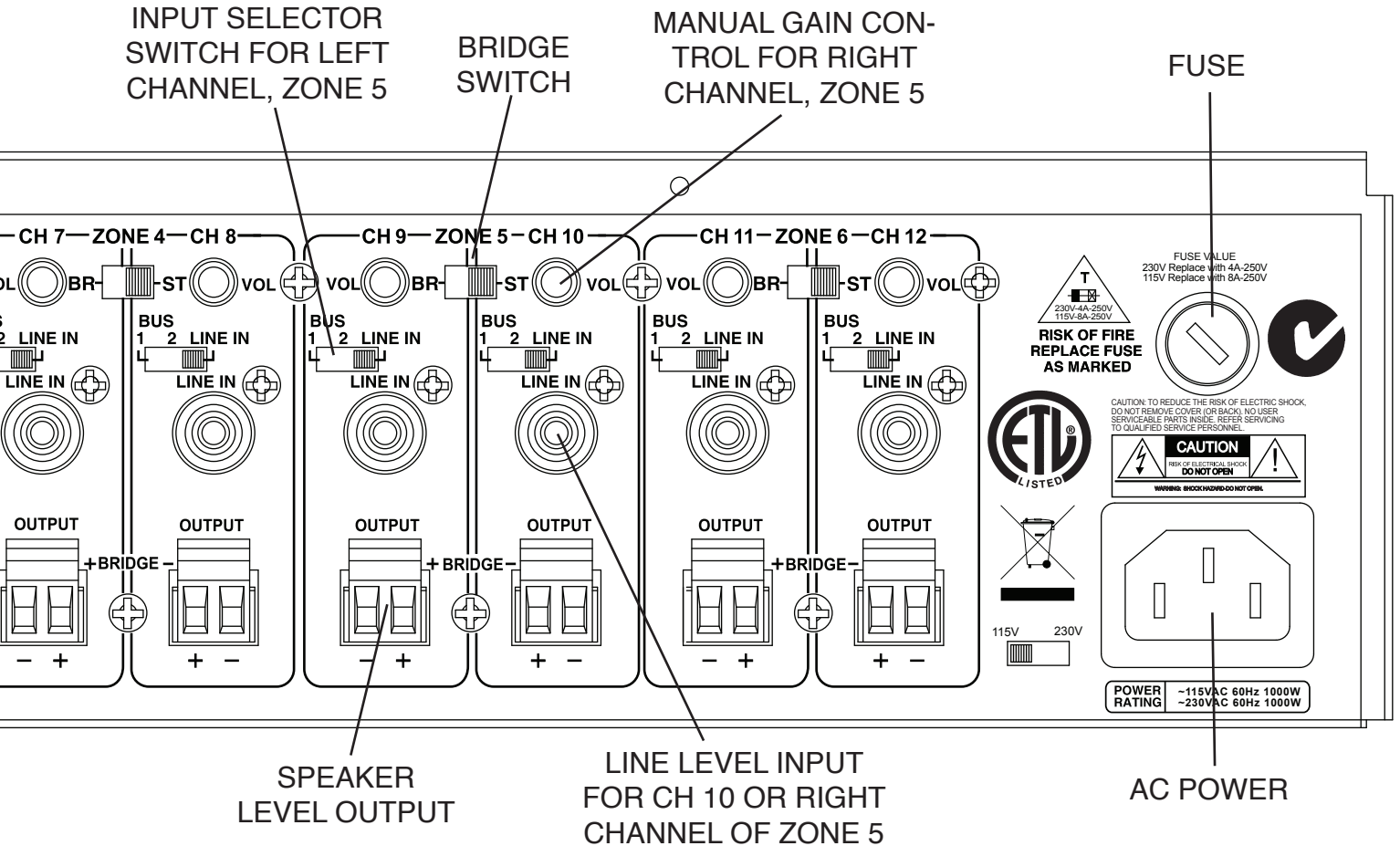
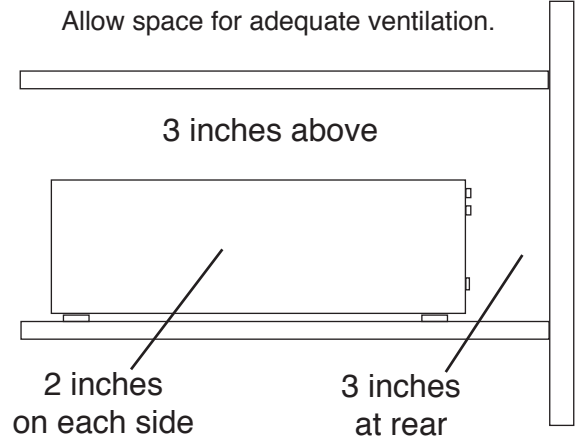
The exclamation point symbol alerts users to important operating and maintenance instructions in this booklet.

- Read this manual before installing or using this product.
- This product must be installed by qualified personnel.
- Do not open the cover—there are no user-serviceable parts inside.
- Do not expose this unit to excessive heat.
- Install only in dry, indoor locations.
- Do not obstruct the ventilation slots.
- Clean the unit only with a dry or slightly dampened soft cloth.

Installation

Location

Place the AMP-1235 amplifier on a solid surface or in an audio/video equipment rack. Amplifiers do produce heat and the best way to insure long life of your equipment is to provide adequate ventilation. Be sure to leave a minimum of 3 inches clearance above and behind the amplifier and at least 2 inches to each side. If installed in a rack, active thermal management (such as rack fans) is recommended.



Connections

Inputs

Use high quality RCA cables to connect sources to the amplifier inputs. You may use the BUS 1 or BUS 2 inputs if one source will be used in multiple rooms, or you may use the LINE IN input for each channel. Use the input selector switch for each channel to select an input. Be sure to switch left and right channels to the same input where appropriate.

Low Level Outputs

The AMP-1235 amplifier provides BUS 1 and BUS 2 outputs which allow multiple amplifiers to be connected to the sources of BUS 1 and BUS 2.

Speaker Outputs

Each channel features a removable screw terminal speaker connection for easy installation in tight spaces. The terminal can accommodate up to 14 gauge stranded speaker wire.

Bridging

For more power each pair of channels on the AMP1235 amplifier can be bridged (see example diagram). With the power turned off, set the bridging switch to the BR position. Next connect the speaker wire to the positive (+) terminals of the Left and Right speaker connector as shown in illustration. When channels are bridged the left or lowered numbered channel's controls (such as VOLUME and BUS/LINE IN) are used.

Trigger Connections

If you wish to turn on the amplifier via an external trigger connect the source to the TRIGGER IN jack using a 3.5mm, tip positive plug. To trigger other devices using the AMP-1235 as the trigger source use the TRIGGER OUT jack. This provides a 12V DC (500mA max), tip positive output.

Power Connection

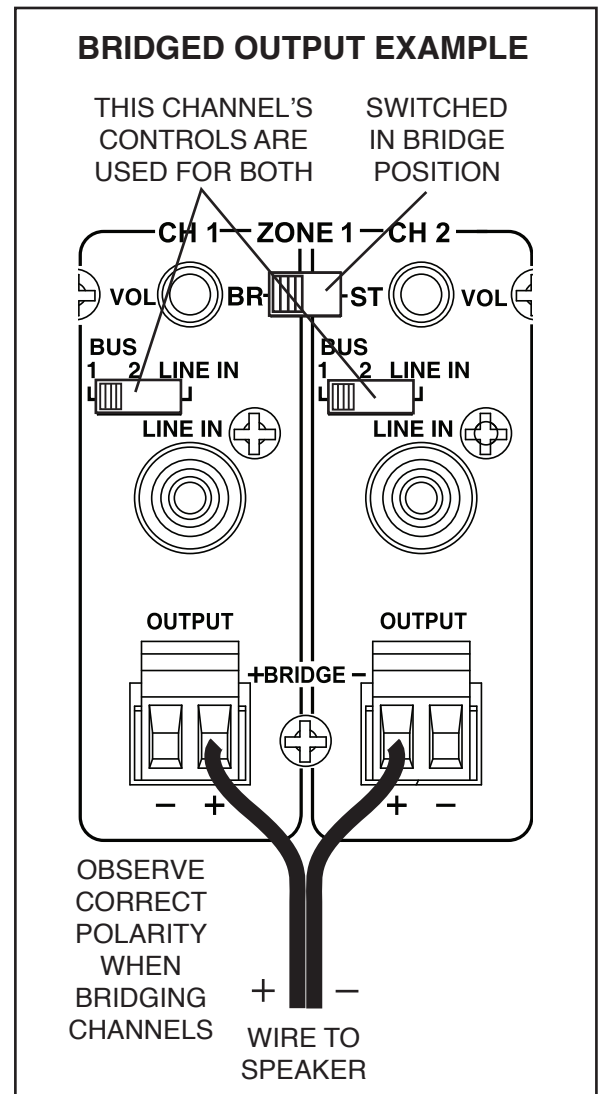
The last connection made should be the AC power using a standard IEC type power cord.

Operation

Panel Indicator

The power LED under the power switch is red when AC power is connected and the power switch depressed and the amplifier is in the standby mode. When the amplifier is turned on (by an audio signal in AUTO mode or external trigger in TRIGGER mode) the LED changes to blue to indicate the amplifier is operating.

The Zone LEDs indicate the status of each zone, or pair of channels. If a channel's LED is off it is in standby mode. If the LED is blue the channel is operating normally. If the LED is red this may indicate that the amplifier is in a protection mode for either a short circuit on the speaker outputs or thermal overheating. Find and correct the short circuit or improve ventilation to correct the issue.



Power

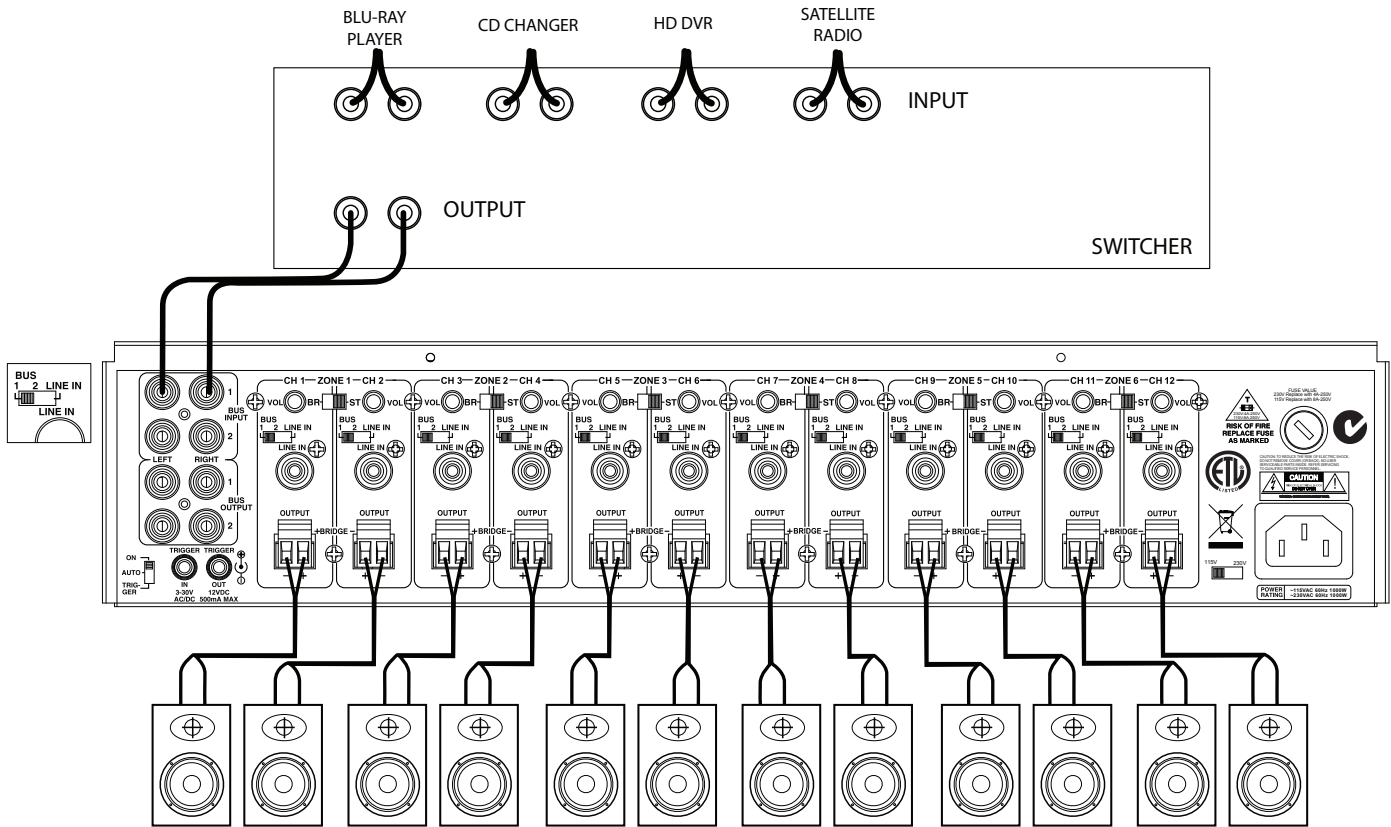
The AMP1235 amplifier can be turned on in three different ways using the POWER CONTROL switch on the rear panel.

- **ON:** The amplifier powers on any time the front power switch is pressed.
- **AUTO:** The amplifier powers only the channels on which an audio signal is detected.
- **TRIGGER:** The amplifier is controlled by an external trigger source (3-30v AC or DC).

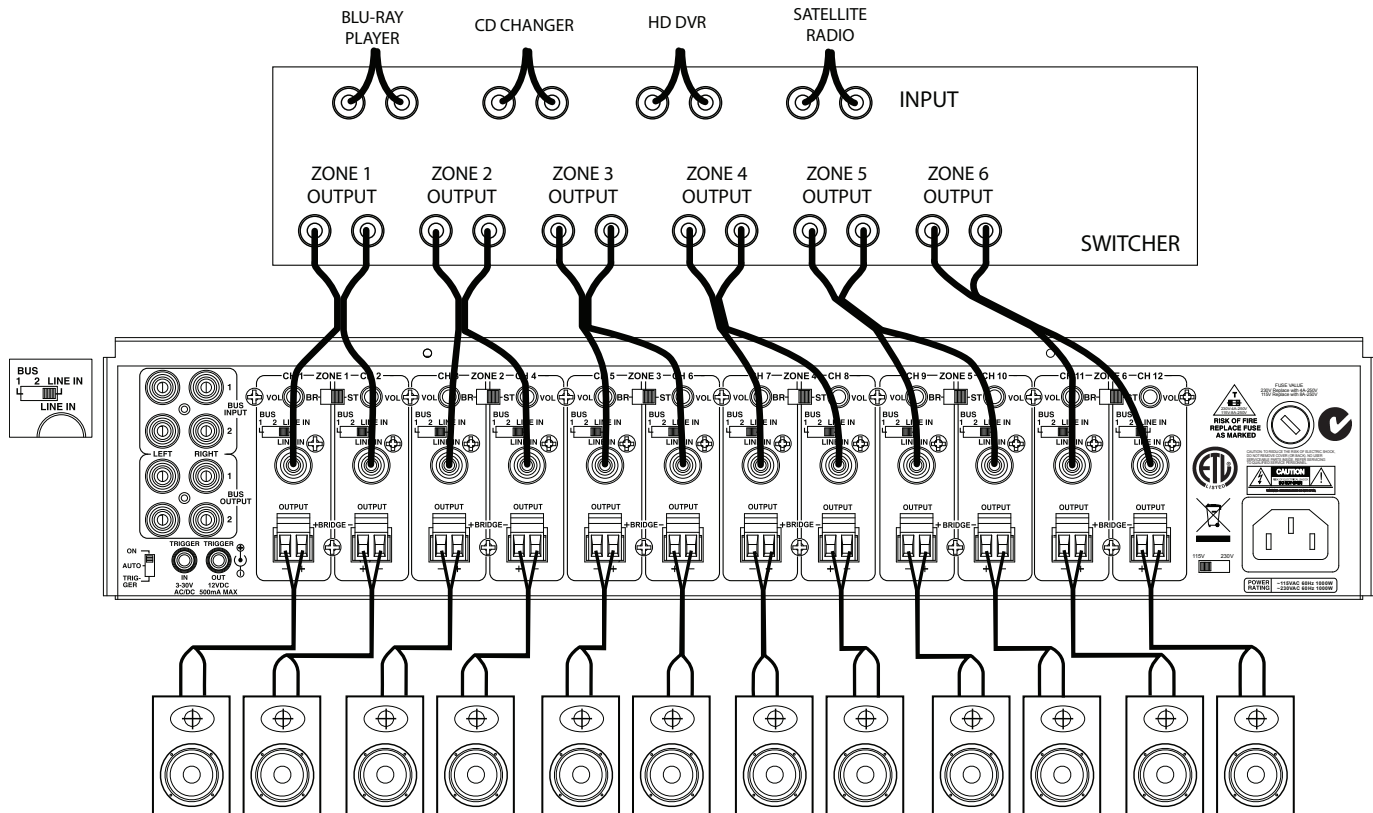
Gain

The output level of each channel can be fine tuned using the gain control for each channel on the rear panel.

Single Source Connection



Multi-zone System Connection



Specifications

Output Power:	35 Watts/ch. into 8 ohms 50 Watts/ch. into 4 ohms 100 Watts/ch. bridged into 8 ohms	Audio Signal Type:	Analog
Input Impedance:	10k ohms	3dB Bandwidth:	85KHz
Frequency Response:	5Hz-65kHz	Input Coupling:	AC
Distortion:	.05% THD	S/N Ratio:	95dB
Trigger Voltage:	Input trigger: 3-30V AC or DC Output trigger: 12V 500mA	Min Load Impedance:	4 ohms
Fuse:	115V replace with 4A-250V 230V replace with 8A-250V	THD+Noise:	.05%
Input Power Rating:	~120V AC, 60Hz, 1,000 Watts	Crosstalk:	85dB
Dimensions:	17" w x 5.5" h x 15" d	Agency Approvals:	ETL, FCC
Weight:	28lbs	AC Input Connector:	IEC 3 Conductor
		Warranty:	One year, parts and labor
		Accessories Included:	AC power cord, manual Rack mounting ears

Limited Warranty

If this product fails due to defects in materials or workmanship within one year from the date of the original sale to the end-user, Audio Authority guarantees that we will replace the defective product at no cost. Freight charges for the replacement unit will be paid by Audio Authority (Ground service only). A copy of the invoice from an Authorized Reseller showing the item number and date of purchase (proof-of-purchase) must be submitted with the defective unit to constitute a valid in-warranty claim.

Units that fail after the warranty period has expired may be returned to the factory for repair at a nominal charge, if not damaged beyond the point of repair. All freight charges for out-of-warranty returns for repair are the responsibility of the customer. Units returned for repair must have a Customer Return Authorization Number assigned by the factory.

This is a limited warranty and is not applicable for products which, in our opinion, have been damaged, altered, abused, misused, or improperly installed. Audio Authority makes no other warranties either expressed or implied, including limitation warranties as to merchantability or fitness for a particular purpose. Additionally, there are no allowances or credits available for service work or installation performed in the field by the end user.

AMP1235 Serial Number _____

Custom Installer _____

Telephone Number _____

NOTES:



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