episode®

engineered by Snap av

OWNER'S MANUAL

>> Two-Channel, Class D, 150 Watt Amplifier

EA-AMP-2D-150A

2 CHANNEL

CE FC RoHS 2002/95/EC

IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus in or near rain or moisture.

1. Read the following instructions carefully.
2. Keep manual for future reference.
3. Heed all warnings.
4. Follow all instructions in this manual.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install according to manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
9. Do not override the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades - one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where it exits from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. To completely disconnect this equipment from the AC mains, disconnect the power supply cord plug from the AC receptacle.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WELCOME TO EPISODE®

Episode® is one of the most highly-regarded brands of audio products available today. We appreciate your business, and we stand committed to providing our customers with the highest degree of quality and service in the industry

Episode® Amplifiers are built on the latest digital technology and deliver efficient, clean power to every room. Each model is designed to produce the subtle details of music, while having the flexibility to meet a variety of installations. For the best sound quality, use Episode® Speakers to complete the system.

FEATURES

DURABLE AUDIOPHILE DESIGN

This Episode Amplifier utilizes the latest digital technology to deliver cool-running performance from a compact, reliable package. Plus, it features superior quality components for outstanding sound quality and is up to 90% more efficient than conventional analog designs.

MULTIPLE STAGES OF PROTECTION

Each channel is individually protected with an operation mode indicated by a bi-color LED on the front of the amplifier. This enables simple troubleshooting. If the circuitry determines that a channel must be shut down for protection due to a short, only the channel that is affected will be turned off. The LED for the channel with trouble will turn red. The other channel will continue to play and maintain a blue status LED. Once conditions return to normal for the channel with trouble, the status LED color will return to blue.

LEVEL GAIN ADJUSTMENTS

The amplifier has a global level which adjusts the maximum output to both channels. It can also serve to provide a limit on how loud the speakers may be allowed to play.

INSTALLATION-FRIENDLY CONNECTIONS

Each speaker channel features a five-way binding post that accommodates multiple 12-18 gauge stranded speaker wires. The power cord is removable as well, facilitating fast and simple installations. The Channel Inputs are high-quality RCA connectors.

BRIDGING

The power output of the two channels can be combined to provide extra power when needed in certain areas. This is easily accomplished by flipping a single switch. **Maintain an 8 ohm minimum when using bridge mode.**

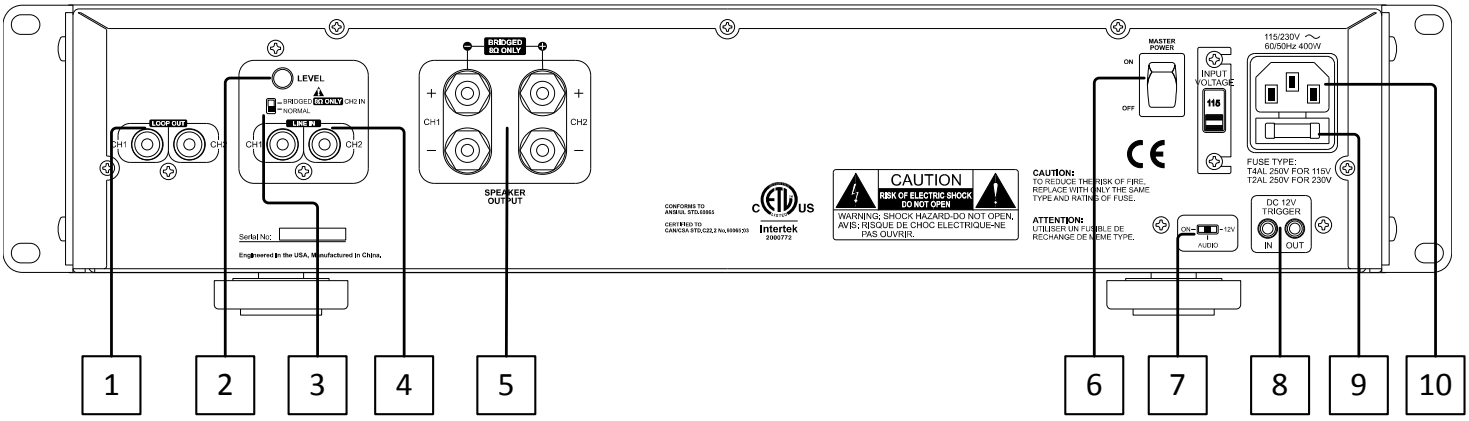
RACK-MOUNTABLE

Each Episode amplifier includes an accessory package of rack 'ears' that may be attached to the amplifier. The amplifier feet can be easily removed for clean rack mounting. The amplifier chassis and rack ears are NOT designed to support anything other than the amplifier. DO NOT stack components on top of the amplifier, as it could damage the amplifier's chassis.

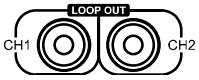
POWER MODE

Power state can be toggled using the front Power Button, 12V input, or Audio Sensing. The method for power toggle is set by using the Power Mode Switch on the rear of the amplifier. See Power Mode Switch under Rear Channel Features for information on the operation of each mode.

Note: The front panel power button is inoperative when the 12V Trigger or Audio Sense power modes are selected.



REAR PANEL FEATURES



1. LOOP OUT

Allows Line In inputs to be sent to other amplifiers

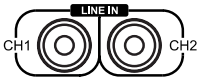
2. LEVEL

Master Gain Control for the amplifier

3. BRIDGED SWITCH

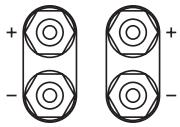
Easily couple both channels together for increased power

NOTE: Maintain an 8 ohm minimum when using bridge mode.



4. LINE INPUT

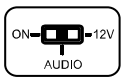
Individual channel inputs



5. SPEAKER OUTPUTS

6. MASTER POWER SWITCH

Disables power to the amplifier



7. POWER MODE SWITCH

Sets the amplifiers power mode:

On – Turns ON / OFF via front power button

12V – Turns on when +12V is received at Trigger input

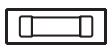
AUDIO - Turns on when a minimal amount of audio signal is received at the audio inputs and will go into standby after 18 minutes of no audio signal.

Note: The front panel power button is inoperative when the 12V Trigger or Audio Sense power modes are selected.

8. 12V TRIGGER IN/OUT

Turns amplifier ON when 12V DC is applied and Power Mode Switch is set to 12V. This 12V signal is regenerated to the 12V out for triggering additional amplifiers.

Note: The front panel power button is inoperative when the 12V Trigger or Audio Sense power modes are selected.



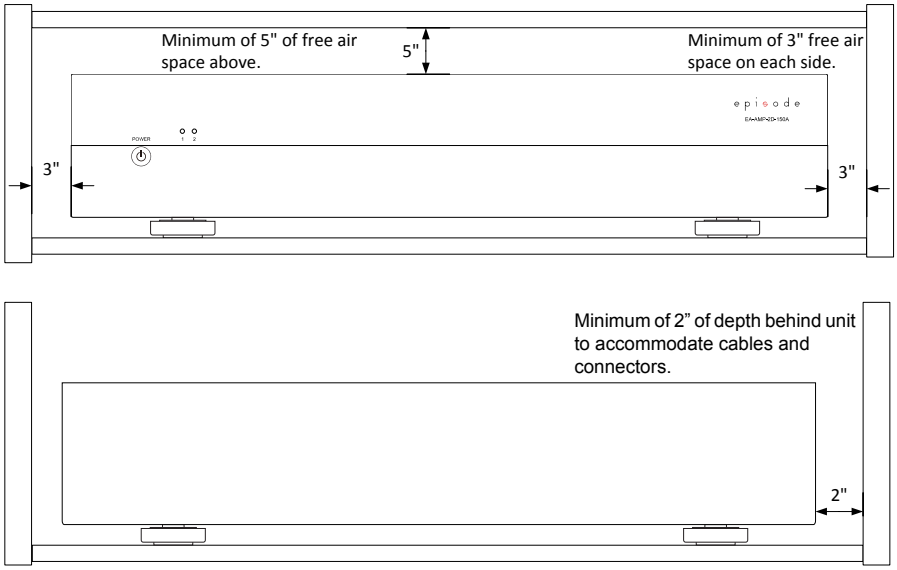
9. FUSE LOCATION

10. POWER CONNECTOR

POSITIONING YOUR EPISODE AMPLIFIER

Episode amplifiers are designed to help deliver a great audio experience that makes your music come alive for years to come. However, where you place the amplifier can have a large effect on the performance that you receive and the life of the unit.

· Be sure that the unit is in a well-ventilated area that provides adequate cooling.
· Do not block the cooling vents located on both sides of the unit.
· Do not place the unit on carpeting or any similar material.
· Do not install the unit near a source of heat, or in an extremely humid or wet location.
· If your installation lacks good air flow (such as solid cabinet doors or wall-mounted racks), it may be necessary to create ventilation to allow outside air into the space.
· Allow a minimum of 5” of free air space above the unit.
· Allow a minimum of 3” of free air space on either side of the unit. (Does not apply to rack mounting)



VENTILATION

Do not block ventilation holes, or impede air flow by placing objects on or around the amplifier. Do not place the amplifier on carpeting or any similar material. Do not install the amplifier near a source of heat, or in an extremely humid or wet location.

INSTALLATION – GETTING CONNECTED

CAUTION: All connections and switching must be done with the amplifier’s power switch positioned to ‘Off’. Connect the power cord last to ensure that the amplifier is off during all of your connections and set up.

INPUTS

For line level connections, use high-quality RCA cables that feature low impedance, shielding and high-quality connectors.

SPEAKER OUTPUTS

Use 12-18 gauge stranded two-conductor loudspeaker wire for all high level connections. At each loudspeaker-level connection, ensure that at least 2 inches of each conductor are separated. Strip away 1/4 inch of insulation from each conductor. Connect the appropriate conductor to each binding post, observing correct polarity.

VERIFYING PHASE

When proper polarity is not maintained, the speakers play at the opposite ‘time’ from each other, this is known as out of phase. The result is audio with lack of bass and vocals that sound thin or distant.

If during or after calibrating your receiver you suspect the sound is not right and you cannot see any markings on the wire to verify polarity is correct, try this simple test:

1. Sit in the normal listening position for the system.
2. Play some music with your receiver set to Mono.
   Listen to the music and observe the audio.
   - Does the bass sound full and even with the other audio?
   - Do the vocals sound centered and even in volume?
   If any of the answers are YES, follow steps 3 and 4.
3. Turn off your receiver and reverse the connections for one of the speakers.
4. Repeat your test at the same volume level. When the sound has the loudest and best sounding bass, and vocals are centered and clear, your connections are correct and in-phase.

LOOP OUTPUT

Any source connected to the Line In Input can be sent to other components or amplifiers by connecting them to the Loop output connector.

INSTALLATION – SETUP AND OPTIONS

POWER CONNECTION

Plug the supplied power cord into the amplifier and to a polarized wall outlet or appropriate surge protector.

CAUTION: DO NOT plug the amplifier's power cord into a switched outlet, as is featured on some Surround Receivers. If you wish to have the amplifier turn on when the Receiver is powered up, use the 12V trigger jack or Audio Sense mode.

BRIDGING CHANNELS

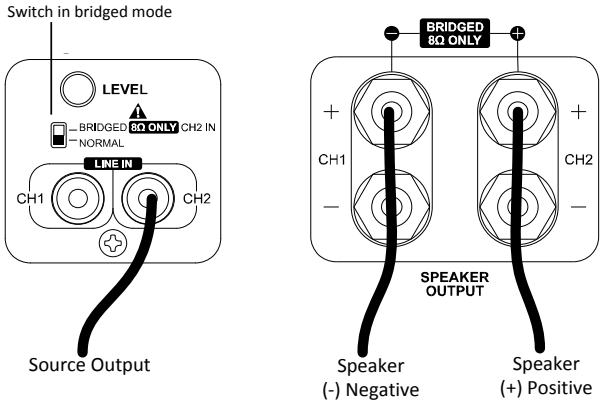
There are situations when you may wish to combine two channels into one, or "bridging". The output of the two combined channels can then be used to power one speaker.

To Bridge Two Adjacent Channels:

1. Remove Power from the amplifier.
2. Set the channel switch to BRIDGED/MONO.
3. Connect the (+) POSITIVE (RED) lead of the speaker to the (+)POSITIVE (RED) connection of the EVEN numbered channel.
4. Connect the (-) NEGATIVE (BLACK) lead of the speaker to the (+) POSITIVE (RED) connection of the ODD numbered channel.
5. Connect the output from the source to the LINE IN of the EVEN numbered channel.

Note:

- DO NOT connect more than one speaker to the outputs of the bridged channel.
- All input selection and volume settings for bridged channels will be controlled by the RED channel.
- Maintain an 8 ohm minimum when using bridge mode.



OPERATION

POWER SWITCH/ LED

The Power switch on the front panel of the amplifier will turn off the amplifier when the Power Mode Switch is set to ON.

BLUE – Amplifier is ON

RED – Amplifier is in STANDBY

Refer to the "Power Mode" section for further information.

ZONE LED INDICATORS

When lit, the LEDs on the front panel indicate the amplifiers operating state. Each channel has one bi-color LED, for each zone.

BLUE – Amplifier is ON and functioning properly

RED – Amplifier is ON and is not functioning properly, check for possible short at Speaker Output

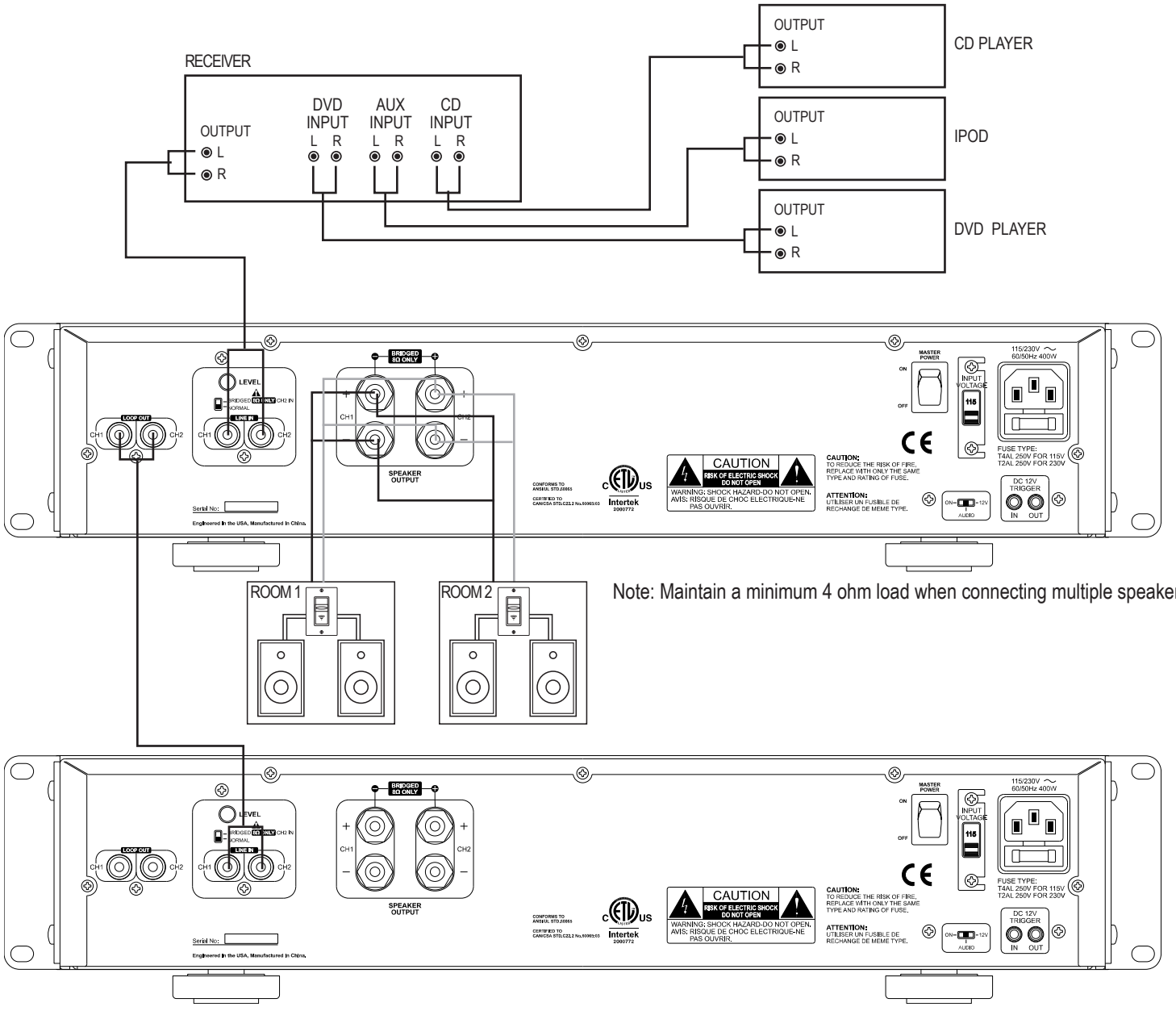
OFF – (When Power LED is BLUE) a channel is not functioning and may require service

LEVEL ADJUSTMENT

The level adjustment on the back panel of the amplifier can be used to easily adjust the level of the amplifier.

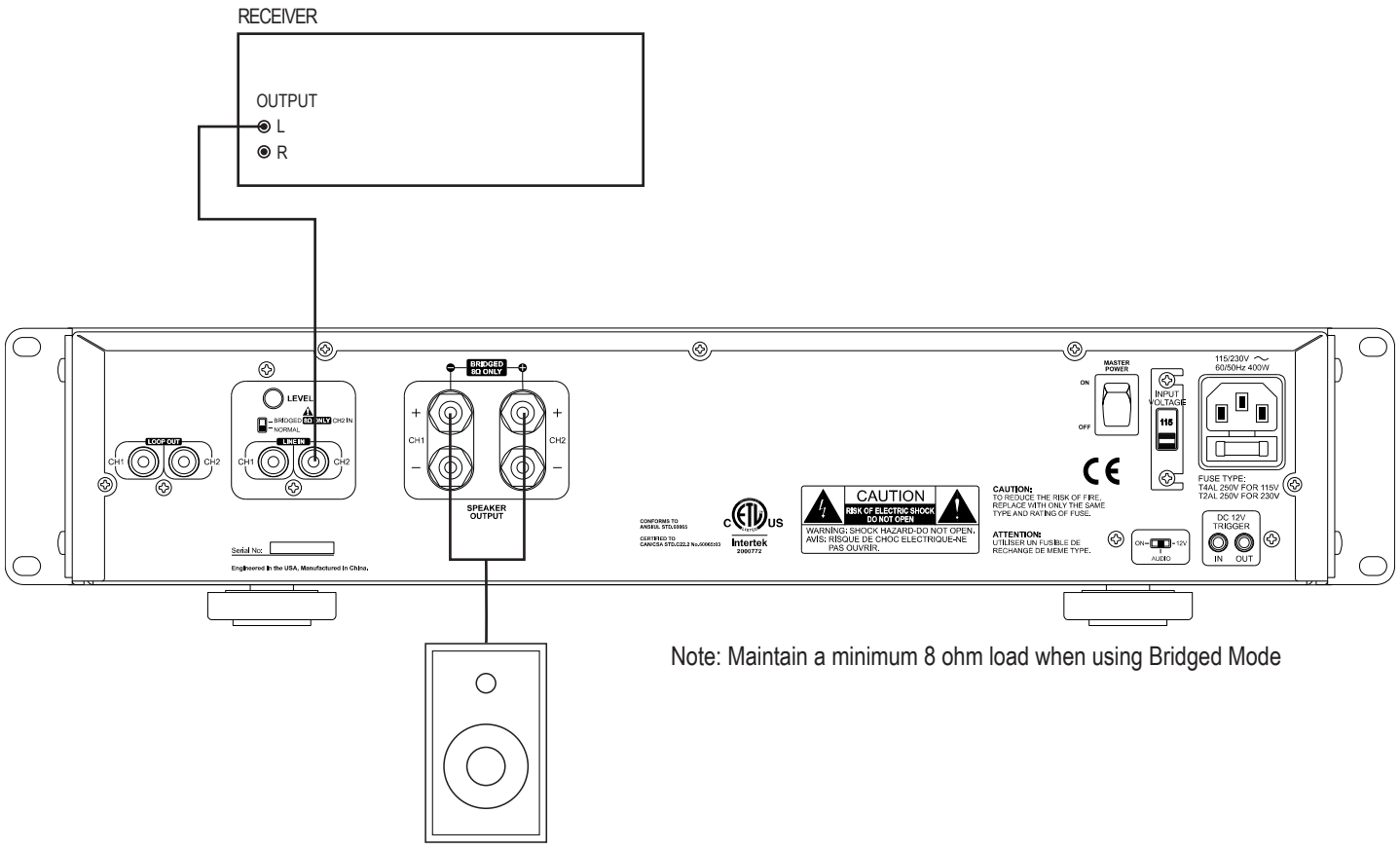
One great use for this feature is to limit the volume level. Be sure to set the volume at a level that does not clip or cause distortion when the volume is at the maximum level. This can cause damage to the speakers and the amplifier.

EPISODE® MULTI-ROOM INSTALLATION



Note: Maintain a minimum 4 ohm load when connecting multiple speakers

EPISODE® BRIDGED MODE APPLICATION



Note: Maintain a minimum 8 ohm load when using Bridged Mode

TROUBLESHOOTING

No audio from any channel.	•Power cable to the amplifier is incorrectly connected or plugged into an outlet that does not have power. Check connections and verify power on the outlet. •Audio cable to the source component is not connected properly, input or the cable is defective. Check connections or replace cable with one that has been verified as good.
No audio from one or more channels.	•Audio cable to the source component is not connected properly or the cable is defective. Check connections or replace cable with one that has been verified as good. •The Bridging switch is positioned incorrectly. Refer to installation instructions for proper settings. •Check the connections of the speaker wire at both the speaker and amplifier.
No audio from one channel or one zone only.	•Check the front panel LED for the channel that is not working. If it is red, you may have a short on either one of the speaker wires for that channel. Check wires and speaker connections for shorts. •The level adjustment on the channel is turned down. Turn it slowly to the right to raise the volume. •Test the bad channel by connecting it to a speaker that you know works. •Audio cable to the source component is not connected properly or the cable is defective. Check connections or replace cable with one that has been verified as good. •The Bridging switch is positioned incorrectly. Refer to installation instructions for proper settings. •Check the connections of the speaker wire at both the speaker and amplifier.
Hum or buzzing sound is heard.	•Check RCA input cables by removing them one at time (powering down the amplifier before disconnecting) and checking to see if a connection or cable is to blame.
Amplifier will not turn on.	•The amplifier must be plugged into a live outlet. •The power switch on the back panel must be on. •Ensure 12V is present if using the trigger input.
Front Power Button Inoperative	•Set the Power Mode Switch to ON.

For Technical Support, call 1.866.838.5052

SPECIFICATIONS

Continuous Power Output Both channels driven	**95 watts RMS at 8 ohms 150 watts RMS at 4 ohms**
Bridged Power Output Both channels driven	**280 Watts per channel RMS at 8 ohms Note: Maintain 8 ohm minimum when using bridge mode**
Input Sensitivity	**570mV**
Input Impedance	**20,000 ohms**
S/N ratio	**95 dB**
Frequency Response	**20 Hz to 20 kHz**
Distortion (Unbridged)	**0.2% THD 20 Hz-20 kHz**
Distortion (Bridged)	**0.2% THD 20 Hz-20 kHz**
Dimensions	**17”w x 4”h (including feet) x 13” d**
Weight	**17 lbs.**
Certification	**Meets FCC Part 15, ETL Listed and tested under UL/EN60065**

*All specifications are subject to change without notice

WARRANTY

2-Year Limited Warranty
Episode® Amplifier Products have a 2-Year Limited Warranty. This warranty includes parts and labor repairs on all components found to be defective in material or workmanship under normal conditions of use. This warranty shall not apply to products which have been abused, modified or disassembled. Products to be repaired under this warranty must be returned to SnapAV or a designated service center with prior notification and an assigned return authorization number (RA).

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