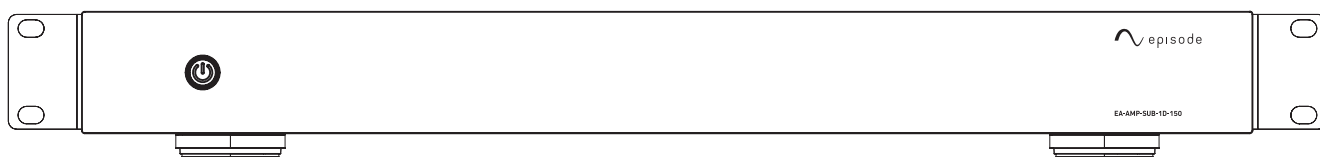
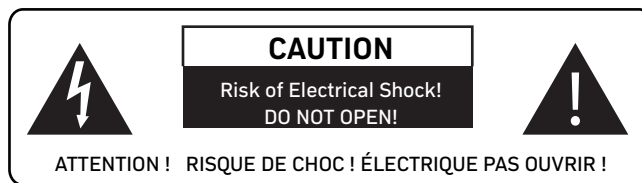




 episode



OWNER'S MANUAL
EA-AMP-SUB-1D-150



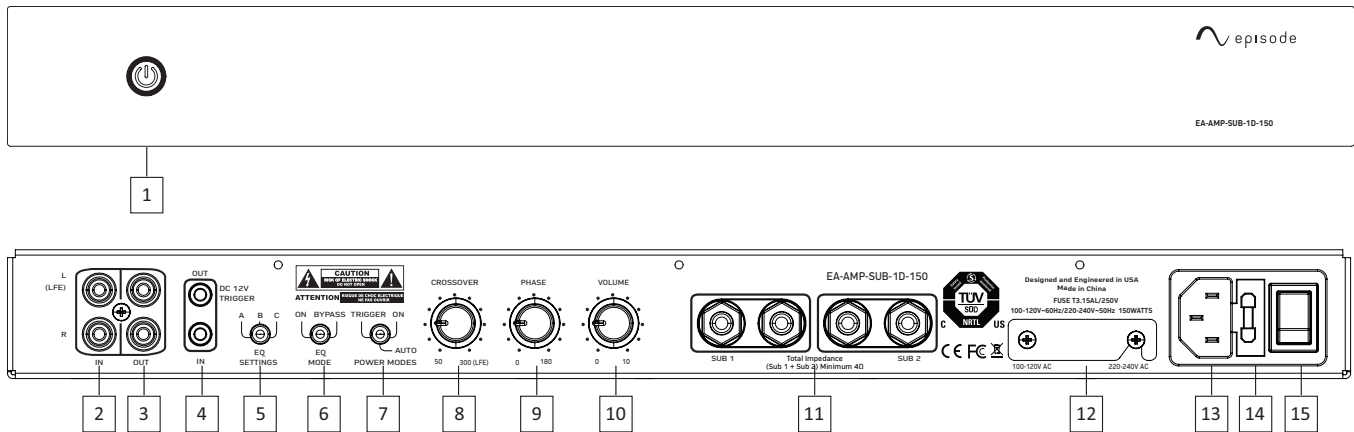
REAL. LIFE. SOUND.



	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.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the 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 defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide bladed or the third prong are 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 plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12.  Use only with the 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 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. The equipment shall be used at maximum 35 degree C ambient temperature.
16. To reduce the risk of electrical shock, do not open the equipment. For safety reasons it is only allow to the opened by qualified service personnel.
17. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Additionally, the apparatus shall not be exposed to dripping or splashing and no objects filled with liquids shall be placed on the apparatus.
18. The MAINS plug is used as the disconnect device and shall remain readily operable.
19. The product shall be used on open bench.
20. No naked flame sources, such as lighted candles, should be placed on the apparatus.
21.  The apparatus should be connected to a mains socket outlet with a protective earthing connection.

FEATURES



1. POWER

Red: Off/Standby
Blue: On/Operating

2. RCA LINE LEVEL INPUTS

LFE IN: Connects the left female RCA input to an LFE output connection on a receiver or pre-amp processor.
L/R IN: Connects the left and right female RCA input to the left and right front output connections on a receiver or pre-amp processor.

3. RCA LINE LEVEL OUTPUTS

OUT: Connects additional amplifiers.

4. 12V TRIGGER IN/OUT

12V TRIGGER IN: Turns on the amp when a 12V signal is received from another 12V trigger device.
12V TRIGGER OUT: Sends a 12V signal to another 12V trigger device.

5. EQ SETTINGS

EQ Preset A: +4dB (optimized for enclosures > 4 cu. ft.)
EQ Preset B: +7dB (optimized for enclosures 1-4 cu. ft.)
EQ Preset C: +10dB (optimized for enclosures < 1 cu. ft.)

6. EQ MODE

ON: EQ SETTINGS are enabled, while CROSSOVER, PHASE and VOLUME also remain enabled.
BYPASS: EQ SETTINGS are disabled, while CROSSOVER, PHASE and VOLUME remain enabled.

7. POWER MODES

TRIGGER: Amplifier turns on when 12V signal is detected and off when 12V signal is absent.
AUTO: Auto sense enabled. Amplifier turns on when audio signal is detected. Unit enters standby mode if no signal is sensed after 15 minutes.
ON: Always on. Amplifier does not turn off automatically. Unit turns on/off using the front panel power button.

8. CROSSOVER

Adjusts from 50 to 300 Hz.

NOTE: When using the LFE input, set to LFE so the preamplifier or receiver can control the crossover frequency.

9. PHASE

Adjusts blending of the subwoofer with other speakers.

10. VOLUME

Adjusts master volume to the desired listening level.

11. SPEAKER OUTPUTS

Connects the speaker wires to the binding posts.

NOTE: Total impedance (SUB 1 + SUB 2) should not be less than 4Ω.

12. VOLTAGE SELECTOR

Selects the appropriate input voltage setting: 100V or 230V.

13. AC POWER IN

IEC power cord.

FEATURES (CONTINUED)

14. FUSE

Additional fuse included for servicing.

15. MASTER POWER SWITCH

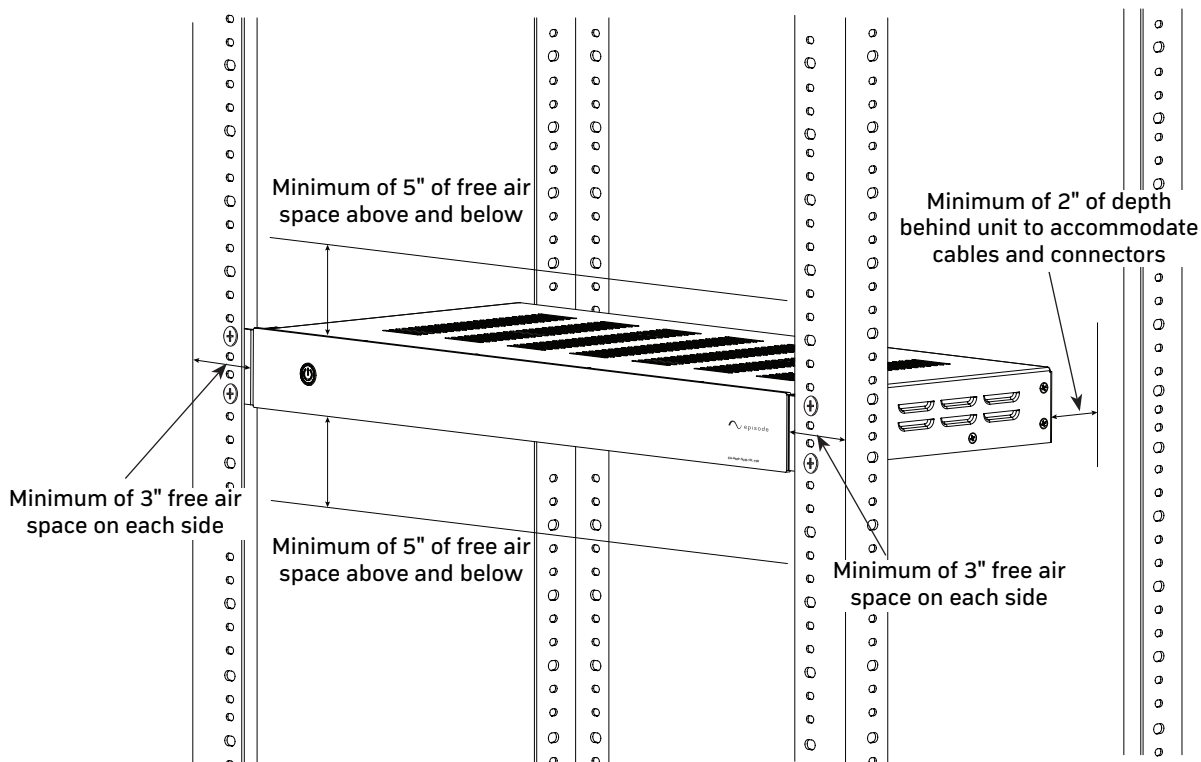
Switch between on/off.

SETUP

Amplifier Positioning

Placing the amplifier can have a large impact on performance and longevity. Please take the following guidelines into consideration.

- Ensure that the unit is in a well-ventilated area that provides adequate cooling.
- A minimum of 5" should be allowed for optimum performance.



Installation

- Rack mount ears may be removed if not needed.
- Bottom feet on the amplifier chassis may be removed if necessary.

CONNECT

CAUTION: All connections and switching must be done with the amplifier turned off. Connect the power cord last to ensure that the amplifier is off during all the connections and set up.

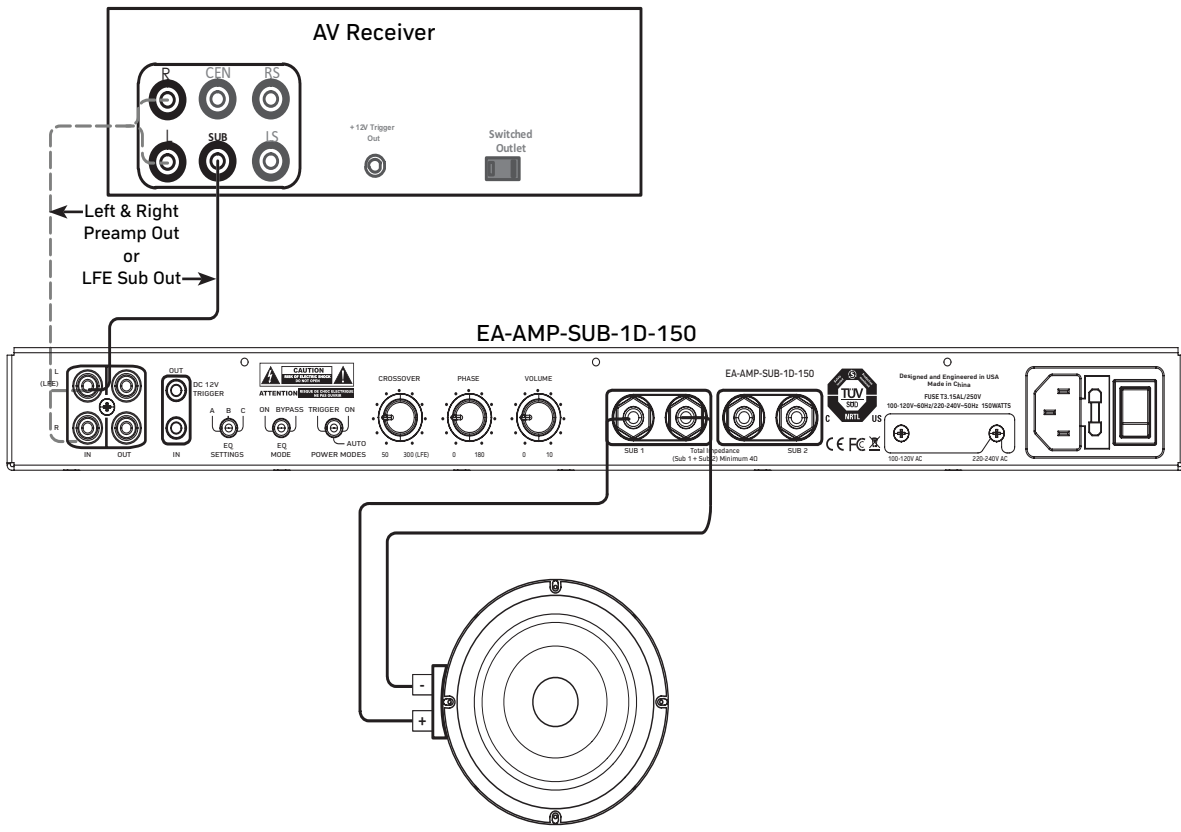
RCA Line Level

Use high-quality RCA cables that feature low impedance with adequate shielding and high-quality connectors.

Speaker Outputs

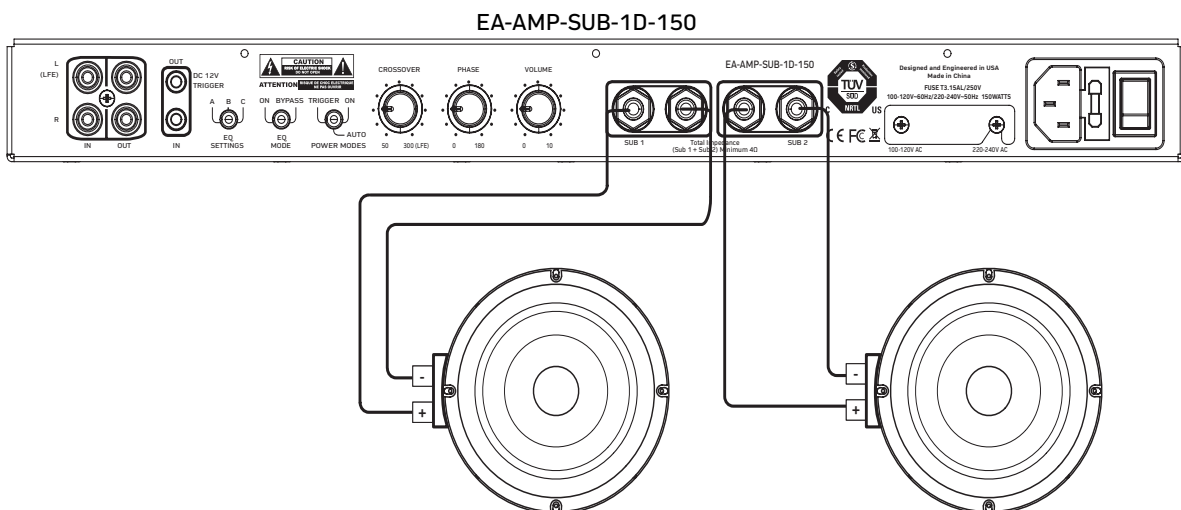
Use 14-18 gauge stranded two-conductor speaker wire. Connect the appropriate conductor to each screw terminal, observing correct polarity.

CAUTION: When two subwoofers are connected in parallel, the nominal impedance of each subwoofer should not be less than 8Ω.



Single Sub Connections

4Ω Minimum



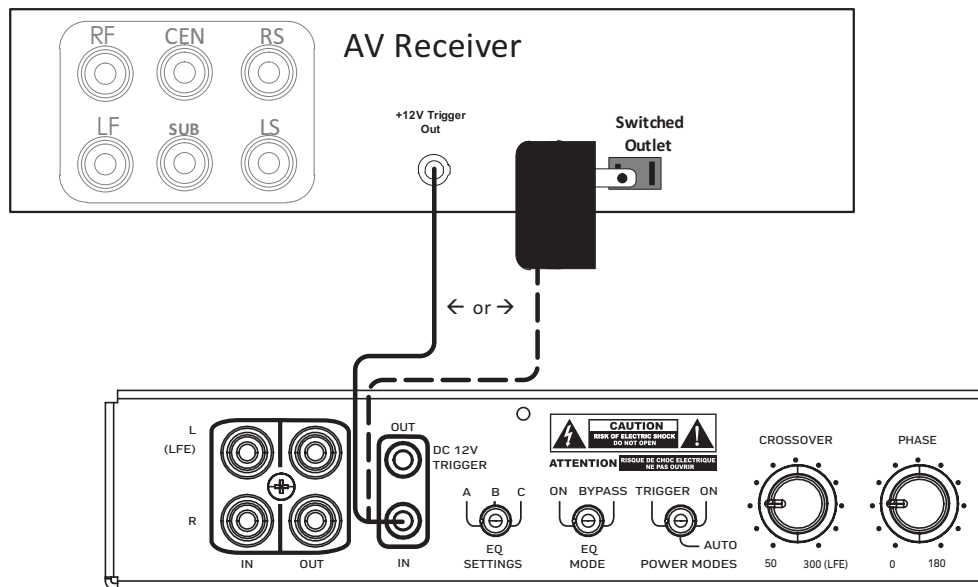
Dual Sub Connections

8Ω Minimum

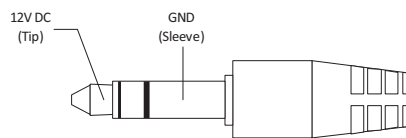
8Ω Minimum

12V DC Trigger

Connect the 12V trigger output of any other device with a 12V trigger cable to the input of the EA-AMP-SUB-1D-150 using a high-quality 3.5mm (1/8") mono cable.



If the receiver does not have a 12V trigger output, using a 12V power supply plugged into a switched outlet on the receiver provides the same functionality.



FINE TUNE

After making all connections and calibrating the speakers, fine tune the subwoofer as instructed below.

NOTE: When using an AV receiver and the LFE input, set the subwoofer calibration level to the factory setting.

1. Ensure that the subwoofer is plugged in.
During initial setup, set the 'POWER MODES' switch to the 'ON' position. Once calibration is complete, switch to 'AUTO' to enable the automatic power-saving mode. For reference, the different modes are as follows:
TRIGGER: Amplifier turns on when 12V signal is detected and off when 12V signal is absent.
AUTO: Auto sense enabled. Amplifier turns on when audio signal is detected. Unit enters standby mode if no signal is sensed after 15 minutes.
ON: Always on. Amplifier does not turn off automatically. Unit turns on/off using the front panel power button.
2. If using one of the EQ presets, switch the 'EQ MODE' to the 'ON' position. Then select the desired setting.
EQ PRESET A: +4dB (optimized for enclosures > 4 cu. ft.)
EQ PRESET B: +7dB (optimized for enclosures 1 to 4 cu. ft.)
EQ PRESET C: +10dB (optimized for enclosures < 1 cu. ft.)
3. Set the controls to positions that will enable tuning for maximum performance.
VOLUME set to 50%, or 12 o'clock
CROSSOVER set to 175 Hz, or 12 o'clock – OR – set to 'LFE' if LFE input is used
PHASE set to 0°
4. Play a movie scene or music track and set the system volume to an average level. Listen to the bass level from the preferred listening position. Adjust the 'VOLUME' control as desired.
5. If deeper bass is desired, adjust the 'CROSSOVER' control toward the lower frequencies. Experiment with different frequency settings until finding one that sounds best.

NOTE: When using the LFE input, set to LFE and make any crossover adjustments in the preamplifier or receiver crossover settings.

6. Continue listening to music and movie sources using the settings chosen for volume and crossover.
7. Experiment with the phase until finding the best setting. Depending on the subwoofer's placement, the bass may sound louder or deeper when the phase has been optimized. In some cases, adjusting phase will make no discernible difference.

SPECIFICATIONS

Continuous Power Output	80 watts RMS at 8 ohms 150 watts RMS at 4 ohms
Input Sensitivity	140 mV for full output (L/LFE only driven), 150 watts, with level control set to max
Frequency Response	30-200Hz (EQ MODE set to BYPASS)
Distortion	.10% THD+N 1W/2W 100 Hz
Auto On Sensitivity	4 mV
External Trigger Voltage	2.0 V - 20 V
Dimensions	16.9" W (19" including rack mounts) 1.75" H (2.1" including feet) 8.1" D (front switch to rear chassis) 8.9" D (front switch rear speaker connector)
Weight	5.9 lbs
Certification	TUV Listed and tested under UL/EN60065 for US and Canada

TROUBLESHOOTING

Episode amplifiers are designed to function trouble-free. Most problems that occur are due to simple issues. If having trouble, check the list of simple fixes below. If the problem persists, contact Episode technical support at 866-838-5052.

No audio output	<ul style="list-style-type: none"> Power cable to the amplifier is incorrectly connected or plugged into an outlet that does not have power. Check connections and verify power at the outlet. Audio cable to the source component is not connected properly, connection to output or the cable is defective. Check connections or replace cable with one that has been verified as good. Amplifier is in standby mode and needs to be turned on (blue LED). Check the connections of the speaker wire at both the speaker and amplifier. The level adjustment is turned down. Slowly turn the dial to the right to raise the volume.
Hum or buzzing sound is heard	<ul style="list-style-type: none"> Check RCA input cables by removing them one at a time (powering down the amplifier before disconnecting) and verify connections.
Amplifier will not turn on	<ul style="list-style-type: none"> Ensure the amplifier is plugged into a live outlet. Ensure the power switch on the front panel is on (blue LED). Fuse is blown. Replace with T3.15AL/250V fuse type. The power mode may be set to the wrong mode for the system's configuration or setup.

WARRANTY

2-Year Limited Warranty

Episode® Amplifiers 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 the SnapAV or a designated service center with prior notification and an assigned Return Authorization (RA) number.

CONTACTING TECHNICAL SUPPORT

As a thank you for purchasing Episode® Electronics products, direct technical support services are available via phone or e-mail. We encourage you to use this resource for any questions or concerns about our products. Visit our website for more support documentation.

(866) 838-5052

techsupport@snapav.com

snapav.com

