

engineered by
Snap
av

OWNER'S MANUAL



**SUBWOOFER
AMPLIFIER**

EA-AMP-SUB-1D-110




WELCOME TO EPISODE

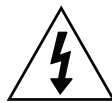
Episode® is one of the most highly regarded brands in audio available today. We stand committed to providing our customers with the highest degree of quality and service in the industry.

The Episode® EA-AMP-SUB-1D-110 Subwoofer Amplifier is a superb choice for a variety of subwoofer applications and work well with almost every type of home theater or audio system. It has been designed with advanced technological components that produce astounding sound effects in movies, as well as recreating the heights and depths of all types of music. Episode® amplifiers provide the best value and quality possible for your home theater needs.

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 and keep these instructions for future reference.
2. Do not use this apparatus near water.
3. Clean only with a dry cloth.
4. Do not block any ventilation openings. Install according to manufacturer's instructions.
5. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
6. 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.
7. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where it exits from the apparatus.
8. Only use attachments/accessories specified by the manufacturer.
9. 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. 
10. Unplug this apparatus during lightning storms or when unused for long periods of time.
11. 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.
12. To completely disconnect this equipment from the AC mains, disconnect the power supply cord plug from the AC receptacle
13. This is CLASS II apparatus with double insulation, and no protective earth provided.

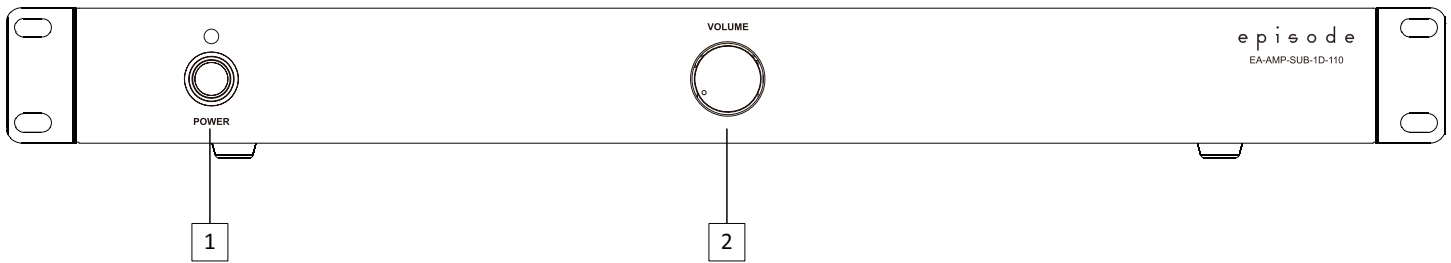


The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

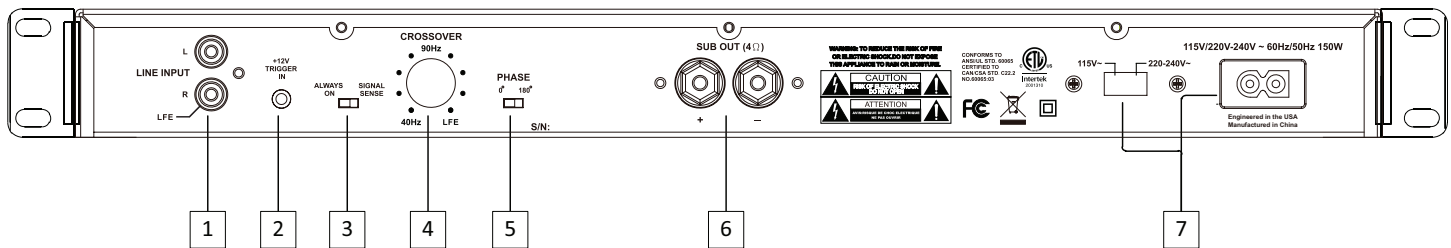


The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

FEATURES



1. Power Switch
 - a. RED – Off/Standby
 - b. Blue – On/Operating
2. Output Volume Control



1. AUDIO INPUTS

- a. Connect the Right Female RCA input to an LFE output connection on a receiver or pre-amp processor.
- b. Connect the Left and Right Female RCA input to the Left and Right front output. connections on a receiver or pre-amp processor.

NOTE: Both inputs have been calibrated to the same sensitivity level. When using stereo pre-amp outputs, both connections should be used to maintain proper input gain.

2. 12V Trigger In

- a. Connect the 12V trigger output of the AV receiver to turn amp on when a 12V signal is received.
When using a 12V trigger, the Power Mode settings do not apply. See System Connections for more information.

3. POWER MODES

- a. ON – Always On
- b. Signal Sense – On, triggered via signal sense; when signal is off, amp will stay on for approximately 15 to 20 minutes.

4. CROSS-OVER

Crossover frequency setting of the Low Pass Filter can be adjusted from 40 to 140 Hz.

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

5. PHASE

The phase of the subwoofer can be adjusted to fine tune the alignment of subwoofer signals and with those from the main speakers. Adjust the phase, listening for an increase in mid bass in the crossover region.

6. SPEAKER OUTPUTS

- a. Connect the speaker wires to the Binding Posts. **NOTE:** Red is Positive and Black is Negative.
Bridged output, do not ground.
- b. Use Bare Speaker Wire, Spade Lugs, or Banana Plugs to terminate the speaker wire.

7. AC POWER

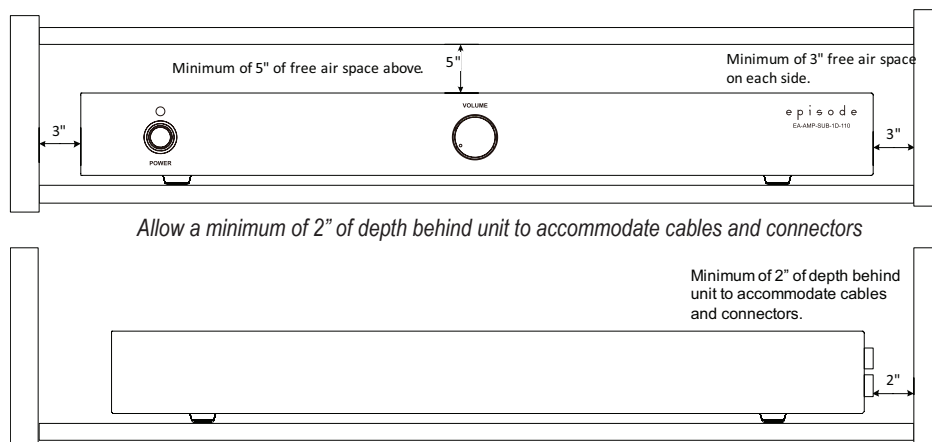
- a. Input voltage setting selects the appropriate 115V or 230V setting.
- b. IEC Power Cord

INSTALLATION – FIRST STEPS

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)



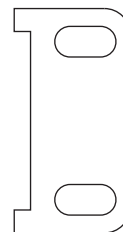
When placing on a cabinet shelf, position the unit with all feet resting on a solid level surface.

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.

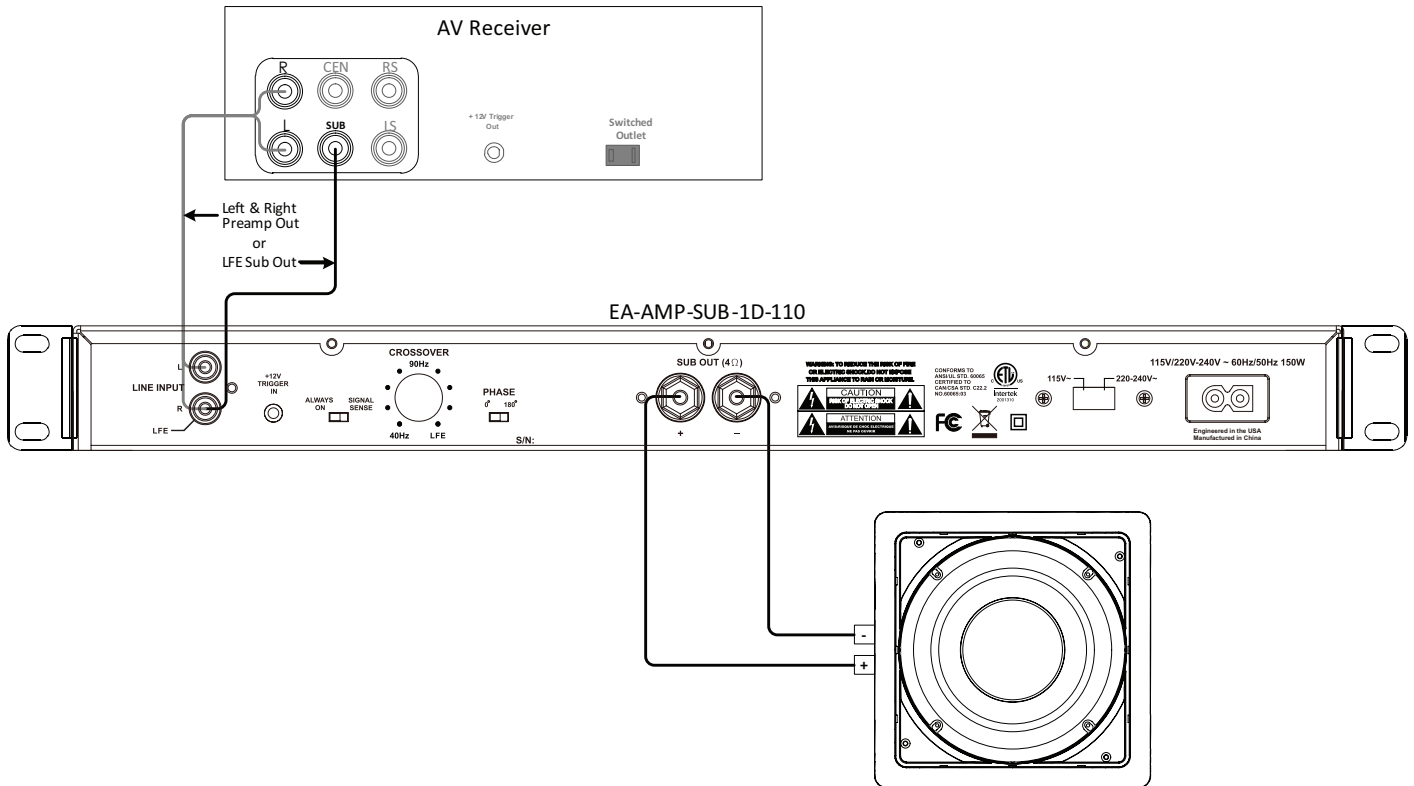
RACKMOUNT INSTALLATION

1. Remove the amplifier's four feet from the bottom of the chassis.
2. Attach the included rack-mount ears to the front sides of the amplifier chassis.
3. Securely mount the amplifier into the 19" equipment rack. The amplifier will occupy 1U of rack space.
4. Even though the amplifier produces very little heat, it is always wise to leave ventilation between components.



SYSTEM CONNECTIONS

CAUTION: All connections and switching must be done with the amplifier's power switch positioned to 'Off' (LED will be RED). Connect the power cord last to be sure 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.

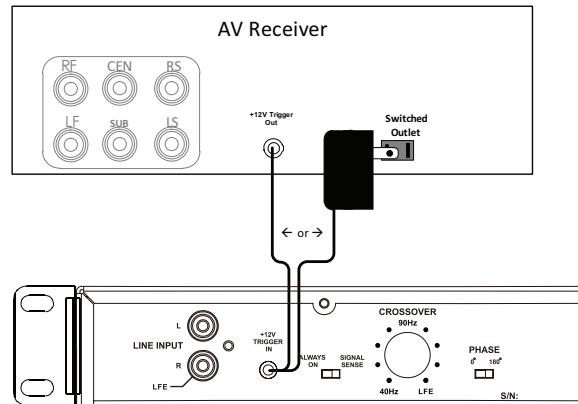
SPEAKER OUTPUTS

Use 14-18 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 screw terminal, observing correct polarity.

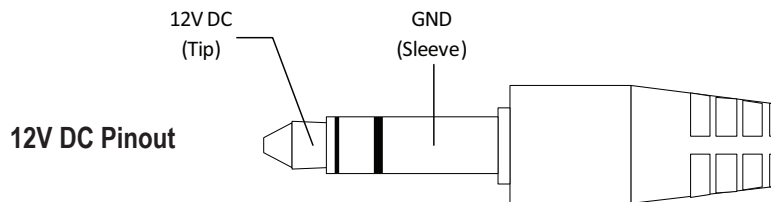
12V DC Trigger

The EA-AMP-SUB-1D-110 is equipped with a 12V trigger input to turn the amplifier off, saving power consumption when not in use. When this input receives a 12V signal, the amplifier will turn ON and will turn OFF when the signal goes away.

- Connect the 12V trigger output of the AV receiver to the 12V trigger input of the EA-AMP-SUB-1D-110 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 TUNING

After making all the connections and calibrating the loudspeakers, set up your Episode subwoofer using the following steps:

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.
2. Set the following controls and switches to positions that will enable tuning for maximum performance.
 - a. VOLUME knob set to 50%, or 12 o'clock
 - b. CROSSOVER knob set to 120 Hz or 12 o'clock
 - c. PHASE switch set to 0°
3. During initial setup, it may be helpful to set the MODE switch to the 'ON' position. Once calibration is complete, switch it to 'AUTO' to enable the automatic power-saving mode.
4. Play a movie scene or music track and set the system volume to an average level. Listen to the bass level from your favorite 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 you find 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 your favorite music and movie sources using the settings chosen for volume and crossover.

Now, try experimenting with the PHASE switch until you find the best setting for the installation. Depending on your 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	68 watts RMS at 8 ohms 110 watts RMS at 4 ohms
Input Sensitivity	195 mv for full output, 110 watts, with level control set to max.
Frequency Response	35 - 200 Hz
Distortion	.10% THD+N 1W/2W 100 Hz
Auto On Sensitivity	3.5 mv
External Trigger Voltage	9.5 V - 20 V
Dimensions	16.9" W (18.9" including rack mounts) 1.75" H (1.9" including feet) 8.5" D (knob to rear chassis) 9.3" D (knob to rear speaker connector)
Weight	19.7 lbs.
Certification	ETL Listed and tested under UL/EN60065 for US and Canada

TROUBLE SHOOTING

This amplifier is designed to function trouble-free. Most problems that occur are due to simple issues. If you have trouble, check the list of simple fixes below. If the problem persists, contact your authorized Episode dealer or 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, connected 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. Turn it to the right slowly 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"> • The amplifier must be plugged into a live outlet. • The Power Switch on the front panel must be on. • The Power Mode switch may be set to the wrong mode for your system.

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 the SnapAV or a designated service center with prior notification and an assigned return authorization number (RA).



engineered by 
Snap
av