

Step-by-step instructions on configuring your subwoofer.

The Axiom Warranty

All our speaker models; towers, bookshelves, surrounds, centers, subwoofers and all our amplifiers; subwoofer and multichannel amplifiers are warrantied against manufacturer's defects for 5 years.

AXIOM CANADA INC. warrants this audio loudspeaker system (the "Product") to be free from original manufacturing defects in materials and workmanship for five years from date of purchase from an authorized Axiom dealer. This warranty extends only to the original consumer purchaser. AXIOM CANADA INC. does not warrant goods used in commercial or industrial applications. This warranty does not cover any expenses incurred in any removal or re-installation of the product.

If the product should prove so defective within the warranty period, return the product by prepaid delivery to AXIOM CANADA INC., along with the original sales invoice or other proof of purchase, which establishes eligibility for warranty service. AXIOM CANADA INC. will, at its option, replace or repair the product free of charge and return the product by prepaid delivery. This warranty does not apply to any product, which has been damaged, misused, altered or repaired by anyone other than an AXIOM CANADA INC. authorized service facility.

Any implied warranties including fitness for use and merchantability are limited in duration to the period of the express warranties set forth above, and no person is authorized to assume for Axiom Canada Inc. any other liability in connection with the sale of the product. Axiom Canada Inc. expressly disclaims liability for any incidental and consequential damages caused by the product. The remedies provided under this warranty are exclusive and in lieu of all others.

This warranty gives specific legal rights. In addition, there may be other legal rights arising from the sale of the product, which vary from province to province or state to state. Some provinces / states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply in some areas.



Important Safety Instructions

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 blade 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. Do not expose this apparatus to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the apparatus.
16. To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from the AC receptacle.
17. The main plug of the power supply cord shall remain readily operable.
18. Do not expose batteries to excessive heat such as sunshine, fire or the like.



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 product.

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

SAFETY PROCEDURES

- Ensure that you connect your Subwoofer only to the type of power supply indicated on the amplifier faceplate, and ensure that the power cord cannot be walked on or otherwise damaged.
- To prevent electric shock, match wide blade of plug to wide slot, fully insert.
- Ensure that objects or liquids are not allowed to penetrate the enclosure.
- Your AXIOM Subwoofers are finished in a durable vinyl and from time to time should be wiped clean gently with a slightly damp cloth to remove any dust or stains.

For any additional information or service, contact:

AXIOM, 2885 HWY 60
DWIGHT ON CANADA
P01 1H0

Phone: 1-866-244-8796

Step 1:

LINE IN: The RCA line-level female input, second row, accepts a standard RCA male plug. Connect a shielded coaxial cable, with male RCA plugs on each end, from the A/V receiver or A/V preamp processor's Subwoofer Output jack to the RCA LINE IN female jack on the EP500 or EP600.

3.5mm MINI-Jack: This is for any 3-Volt to 30-Volt power-on trigger. It is also intended for trigger-controlled operation with future Axiom products.

BALANCED XLR LINE IN: If the A/V receiver or A/V preamp-processor has balanced XLR subwoofer line-out connections, you may connect a Balanced XLR male connector to the XLR female input. Otherwise, ignore this connector. Do not use a combination of RCA and XLR input or output connectors.

HIGH LEVEL INPUT: Use these "speaker-level" or high-level 5-way binding post connectors only if your receiver or preamp lacks a dedicated line-level subwoofer output jack. Connect speaker cables from your amplifier's left-channel and right-channel speaker output binding posts to the high-level inputs using banana plugs (single or dual), spade connectors, pins, or bare cable if you wish (unscrew the top of each binding post and insert the cable into the hole in the post; tighten the knurled knob against the cable). Run a second pair of speaker cables from these jacks to your main left and right front speakers. Do not use these connectors if you are already using an RCA or XLR line-level connection from the receiver or preamp to the subwoofer. **NOTE: BE SURE TO CONNECT BLACK TO BLACK AND RED TO RED.**

Step 2:

LINE OUT (RCA, Trigger and XLR Balanced):

An RCA line-level (female) output and balanced XLR output (male) are provided for connection to a second subwoofer. Use a standard shielded coaxial cable for connection of the RCA Line Out to the second subwoofer. If you are using balanced XLR connectors, then use the balanced Line Out for operation of a second EP500 or EP600.

Step 3:

CROSSOVER: If you are using the Bass Management crossover menu settings in your A/V receiver or processor, turn the subwoofer crossover control to the setting at or just above the highest crossover point you selected on your AV receiver menu, i.e. for a 90-Hz or higher receiver menu setting, use "Bypass" on the sub ("Bypass" selects a 150-Hz crossover), for 70 – 80 Hz on the AV receiver's menu, use 80 Hz on the sub, and so on. If your left and right front satellite speakers have a woofer diameter of 4 inches or less, use the 150-Hz "Bypass" setting on your subwoofer to enable a smoother transition between your subwoofer and satellites.

If you are using the HIGH LEVEL (Speaker Level) binding-post inputs, set the subwoofer crossover switch to 80 Hz for initial setup. If you have floor-standing speakers (M50, M60, or M80), try a 60 Hz crossover frequency, for the M80 try 40 Hz. If your main speakers are bookshelf models use the 80 Hz setting. Ultimately you want to use a crossover frequency that produces the smoothest blend of sound between the subwoofer and your main speakers.

Step 4:

VOLUME: Set the volume to the 9 o'clock position for the time being. Later, when you have finished the hookup of your subwoofer, you will return to this volume setting to balance the output of the subwoofer to the other speakers. Avoid the use of the auto-setup feature in your receiver if it is equipped with one. These devices rarely work properly. The best method is to balance your sub to the other speakers using a variety of music you are very familiar with. Setting up sub levels and proper sub placement in your room can be tricky but worth putting some effort into as the results will be significant. For a detailed description please go to http://www.axiomaudio.com/sub_setup.html

Step 5:

ON/OFF AC POWER/VOLTAGE SETTING: Your subwoofer is supplied with a pop-out voltage regulator set for use with 100 - 120 volts from the A/C line. It can be easily removed and turned over to set your EP500 or EP600 to 220 volts from the A/C line. See diagrams on the next page. The EP500 & EP600 come with a three-prong power cord compatible throughout the United States and Canada. Residents of other countries will need to purchase a converter/adaptor or the proper power cord that fits your specific socket.

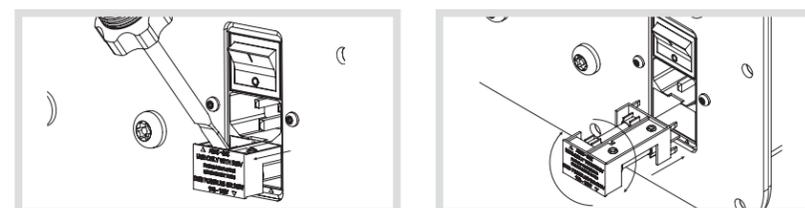
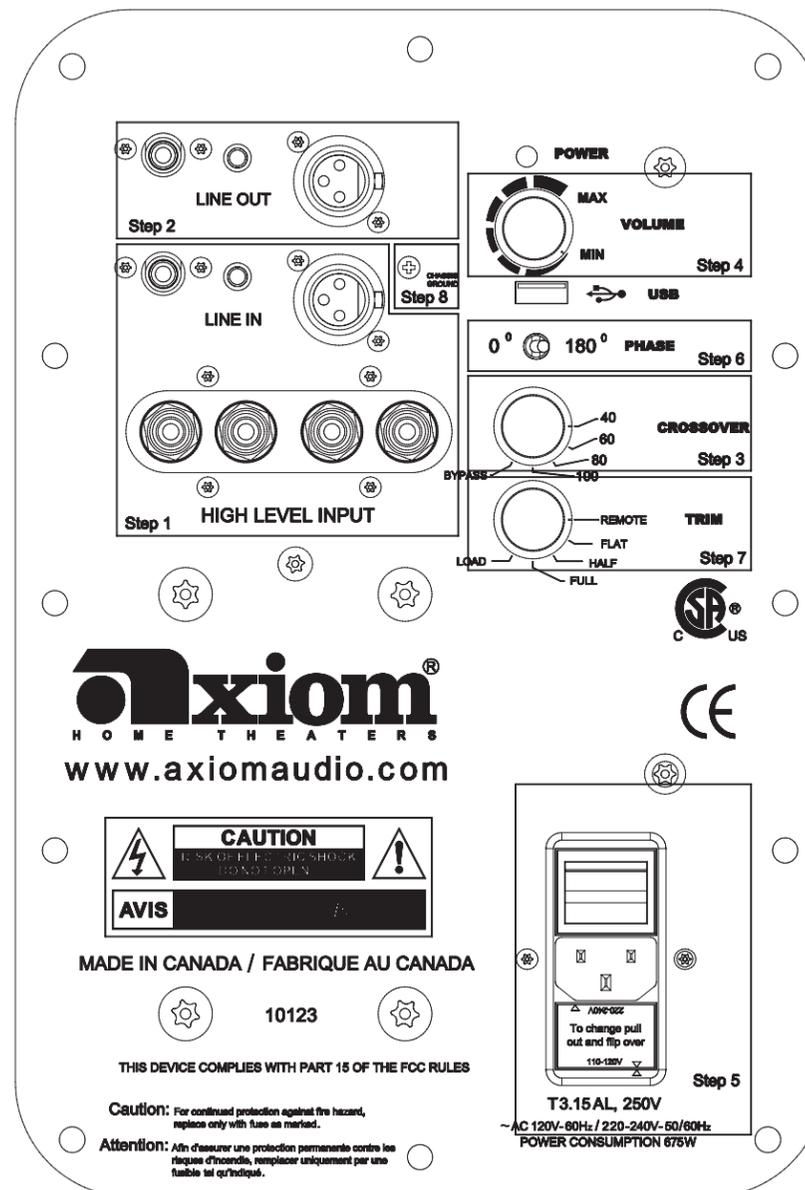
Once you have made appropriate connections from the A/V receiver or preamp/processor to the EP500 or EP600 and set the subwoofer's voltage regulator to the proper voltage, find a nearby AC wall outlet and connect the main power cord to the three-wire socket at the bottom of the control panel. Move the power switch to the ON setting. The LED POWER indicator should glow Green. The EP500/EP600 has an instantaneous Standby mode that enables itself whenever there is no signal input from your AV receiver or preamp. The Green LED POWER indicator does NOT change color when the EP500/EP600 enters its idle mode, however power consumption is reduced to 10 watts or less. Leave the switch at the ON setting unless you go away for an extended period. Moving it to OFF will shut down all power to the subwoofer.

WARNING: Do not plug this into a power conditioner. Power conditioners are known to cause overvoltage which will damage your amplifier.

Step 6:

0 & 180 PHASE: This synchronizes the in/out movement of the subwoofer cone driver with the other speakers in your system. Once you have chosen the best location for your subwoofer, try flipping the phase switch between 0 and 180 to see if one or the other setting produces deeper and smoother bass output in your room. Leave the switch at the setting that results in the smoothest and deepest bass at several listening locations in the room. If you hear no difference, leave the switch at the 0 position. Quite often the phase switch makes no difference, but it's dependent on your particular room's dimensions and subwoofer location.

EP500 & EP600 Amplifier



Step 5: (For 220 volt supply only)

Step 7:

TRIM: Set this to FLAT for normal subwoofer operation in a large room. The subwoofer will reproduce deep bass at normal levels from the movie soundtrack or music sources. The LOAD setting is for accessing the internal microprocessor. Do not use this setting as it will turn off the sub output and turn the light amber. The REMOTE setting is for operation with future Axiom remote-controlled products that will enable remote-control adjustment of subwoofer levels. If you are in a medium or small room you should experiment with Half and Full to compensate for room loading. Setting the TRIM to Half will partially increase frequencies above 33 Hz. The Full setting will greatly increase frequencies above 33 Hz. This may be necessary to overcome room loading or boundary effects (too much or too little low bass).

Step 8:

GROUND LOOP:

If your subwoofer is producing a 60 Hz hum, remove the Chassis Ground Screw. If this does not solve the 60 Hz hum, call 1-866-244-8796 or consult the troubleshooting page at www.axiomaudio.com/troubleshooting_ep500.html

POWER INDICATOR: The LED Power indicator glows Green when it's on and Yellow indicating a fault.

USB: This is to be used for future software upgrades to the Digital Signal Processor inside your EP500 and EP600. You may also use the USB input to ease visibility in making subwoofer adjustments or connections. Visit www.axiomaudio.com/manual_index.html for this Owner's Manual with live links to further helpful information.