

 **xiom**<sup>®</sup>



EP175 v4 Subwoofer

# IMPORTANT SAFETY INSTRUCTIONS

## CAUTION

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 mains 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: 1-888-352-9466**



Every member of our Axiom team is pleased that you have decided to purchase one of our products. We have all worked hard to bring the highest level of satisfaction to your audio experience.

Axiom is deeply committed to ongoing audio research. It began in the early 1980s when I was involved with the world-class psycho-acoustical research that was being conducted at the National Research Council in Ottawa, Canada. Since that time we have built one of the finest acoustical laboratories in the world at our facility in Dwight, Canada where we continue this research allowing Axiom to provide the world's most realistic-sounding loudspeakers.

At Axiom our goal is to provide you with a truly exciting and emotional experience every time you listen to your audio system. We want you to feel part of our Axiom family and as such we stand at the ready to deliver personal, expert advice on any of your audio needs.

Sincerely,

Ian Colquhoun  
President and Founder  
Axiom Audio

## Placement

The amount of deep bass you get from your new subwoofer will be quite dependent on proper location in your particular room, the room's dimensions, and the location of your listening area. You can't easily change your room or its dimensions, so it's worthwhile finding the best location that will let your subwoofer deliver its optimum performance---smooth, deep and powerful bass to your seating area. The subwoofer does NOT have to be at the front of the room with your main stereo speakers. Deep bass below 80 Hz is not directional, so it doesn't matter if the subwoofer faces you or is at the side or back of the room. Now get ready to do the tried-and-true "subwoofer crawl." Move your subwoofer as close as you can to where you sit. If it's a chair, move the chair aside and place the sub where the chair was. If it's a couch, slide the couch temporarily out of the way and put the sub about where you usually sit. Play a DVD movie with lots of low-frequency effects or a CD with plenty of deep bass in the music, the kind that really kicks your sub into motion.

Now crawl around the room in the general area where you were thinking of locating the sub or even in areas that you didn't think of. Go several yards in each direction--near the wall, out from the wall, towards a corner, away from the corner, and so on on all four walls--while you listen for smooth and extended bass response. At some locations, the bass may seem really exaggerated and boomy. In other spots, it may almost disappear. Pick a location somewhere between these extremes. That's it! Mark the spot with some masking tape then move the subwoofer into that position. Now put the furniture back. Test the technique by playing the same deep bass selections, only this time sit in your favorite chair (where the subwoofer was). The deep bass should sound just like it did at the place where the sub now sits. You see, it works!



**xiom**  
MADE IN CANADA / FABRIQUE AU CANADA

**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

**AVIS**  
RISQUE DE CHOC ELECTRIQUE  
NE PAS OUVRIR

**CAUTION:** For continued protection against fire hazard, replace only with fuse as marked.

**ATTENTION:** Afin d'assurer une protection permanente contre les risques d'incendie, remplacer uniquement par une fusible tel qu'indique.

**NO USER SERVICEABLE PARTS INSIDE**



# Subwoofer Setup

## Step 1

**INPUTS:** Your subwoofer has two options for input connection. Do not mix these inputs; whatever output you are using on your receiver or pre-amp needs to be connected to the same input on your subwoofer.

**RCA LOW LEVEL INPUT:** The most common input method is the RCA jack. Using a standard RCA cable hook this input to an RCA sub output jack on your pre-amp processor or receiver.

**HIGH LEVEL INPUT:** Use the “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). You can run the speaker cables either to the subwoofer first or the speaker first. **NOTE: BE SURE TO CONNECT BLACK TO BLACK AND RED TO RED.**

## Step 2

**RCA LOW LEVEL OUTPUT :** If you are using more than one subwoofer the line out allows you to connect one subwoofer to the next around your room. Be sure to use the same cabling method as you have used from your pre-amp or receiver. Do not mix the RCA and High Level when daisy chaining multiple subwoofers.

## Step 3

**CROSSOVER :** If you are using the Bass Management crossover menu settings in your A/V receiver or processor, select the 150 Hz setting on the subwoofer.

If you are using the HIGH LEVEL (Speaker Level) binding-post inputs, set the crossover to 80Hz for initial setup. If you find the subwoofer is not blending well with your main speakers, try the 150 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 1/2 turn of the rotation range. 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. If you do use auto-setup, be sure you set the subwoofer’s volume control to 1/2 rotation; otherwise, some receiver’s auto-setup circuits will set the subwoofer volume too low. If that occurs, try raising the A/V receiver’s subwoofer output level in the receiver (also called “LFE” for Low Frequency Effects). You can increase the LFE (Subwoofer) output level in the receiver’s setup menu by +4 dB to +6 dB above the 0-dB level to obtain proper subwoofer output level. The best method is to balance your sub to the other speakers using a variety of music you are 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.

# Subwoofer Setup

## Step 5

**AC INPUT :** Your subwoofer is supplied set to either 115 volts or 230 volts depending on the country we shipped it to. If you move countries, this voltage can be changed by having a technician change the fuse type (T3.15AL for 115V and T1.5AL for 230V) and move a cable inside your subwoofer amplifier to the plug marked with the desired voltage. Residents of some other countries will need to purchase an adaptor or new proper power cord that fits your specific socket.

Once you have made appropriate connections from the A/V receiver or preamp/processor to the subwoofer, 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. 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.

## Step 6

**TRIGGER:** Use of the trigger input is an optional hook-up. If your A/V receiver or A/V preamp-processor has a 12-volt trigger output, you can run a 3.5mm connector cable to the subwoofer trigger input and your subwoofer will power on and off with your A/V receiver or A/V preamp-processor. When the trigger signal is in the “off” mode the LED will turn off and the amplifier will be switched to a low power consumption standby mode. If you have multiple subwoofers you can run a 3.5mm connector cable from the trigger out on the first subwoofer to the trigger input of the second subwoofer.

## Step 7

**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 little difference, but it's dependent on your particular room's dimensions and subwoofer location.

## Step 8

**GROUND LOOP:** If your subwoofer is producing a 50 or 60 Hz hum it is likely due to a ground loop. This is caused by a difference in potential between the grounds of your receiver or pre-amp and the subwoofer through your house wiring. If this occurs remove the silver Chassis Ground Screw. If this does not remove the hum, call 1-866-244-8796 for technical support.

**POWER INDICATOR:** The LED Power indicator glows Green when the subwoofer is powered on and turns off when a trigger signal is connected and in the “off” mode



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