

OWNER'S MANUAL

Bass Power

Mono Subwoofer Amplifier



Bass Power 250 | Bass Power 200 | Bass Power 150

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions – All the safety and operating instructions should be read before this product is operated.
2. Keep these instructions – The safety and operating instructions should be retained for future reference.
3. Heed all warnings – All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow all instructions – All operating and use instructions should be followed.
5. Do not use this apparatus near water – The appliance should not be used near water or moisture – for example, in a wet basement or near a swimming pool, and the like.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacture'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 plug. A polarized plug has two blades with one wider than the other. A grounding 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 the plugs, convenience receptacles, and at 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 or rack is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. Unplug the apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified 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 has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Please keep the unit in a good ventilation environment.
16. **CAUTION:** These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
17. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall not be placed on apparatus.
18. **WARNING:** The mains plug is used as disconnect device, the disconnect device shall remain readily operable.
19. **WARNING:** Only use attachments/accessories specified or provided by the manufacturer.



20. - This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.
- **Warning:** To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.
- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.
21. The apparatus should be connected to a mains socket outlet with a protective earthing connection.
22. There are two different types of mains fuse for different input voltage rating (type T?AL250Vac for 120 Vac input, type T?AL250Vac for 230 Vac input), please check the marking on the rear enclosure for current type of mains fuse provided with the apparatus, and please ask local service personnel for help to replace the fuse before connected the apparatus to a mains socket outlet without another voltage rating.
23. Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.



24. Minimum distances of 20 cm around the apparatus for sufficient ventilations.
25. Do not install this equipment in a confined space such as a book case or similar unit. The ventilation should not be impeded by covering the ventilation openings with items such as newspaper, table-cloths, curtains etc.
26. No naked flame sources, such as lighted candles, should be placed on the apparatus.
27. Attention should be drawn to environmental aspects of battery disposal.
28. Use of the apparatus in moderate climates.

INTRODUCTION

Congratulations on your purchase of the Bass Power amplifier! The Bass Power amp will provide the excellent performance and reliability that SpeakerCraft products have been recognized for. To receive the best performance from your Bass Power amp, please carefully read the instructions in this manual. For technical inquires, please call 1-800-448-0976 or e-mail us at techsupport@speakercraft.com.

PLACEMENT

DO:

- Place the amplifier with the feet resting on a solid flat level surface.
- Place the amplifier in a well-vented area to provide proper cooling. In areas that lack proper ventilation, such as tight cabinets or racks, it may be necessary to install small fans to create air movement.

DON'T:

- Don't block the ventilation holes on the top or bottom of the amplifier. Never place it on carpeting or similar material.
- Don't place the amplifier in any other position other than horizontal with the feet down. Never place on its side or resting on the back where the terminals are located.
- Don't place the amplifier near heat sources, or in an area that it would be exposed to moisture or excessive humidity.

YOU SHOULD KNOW

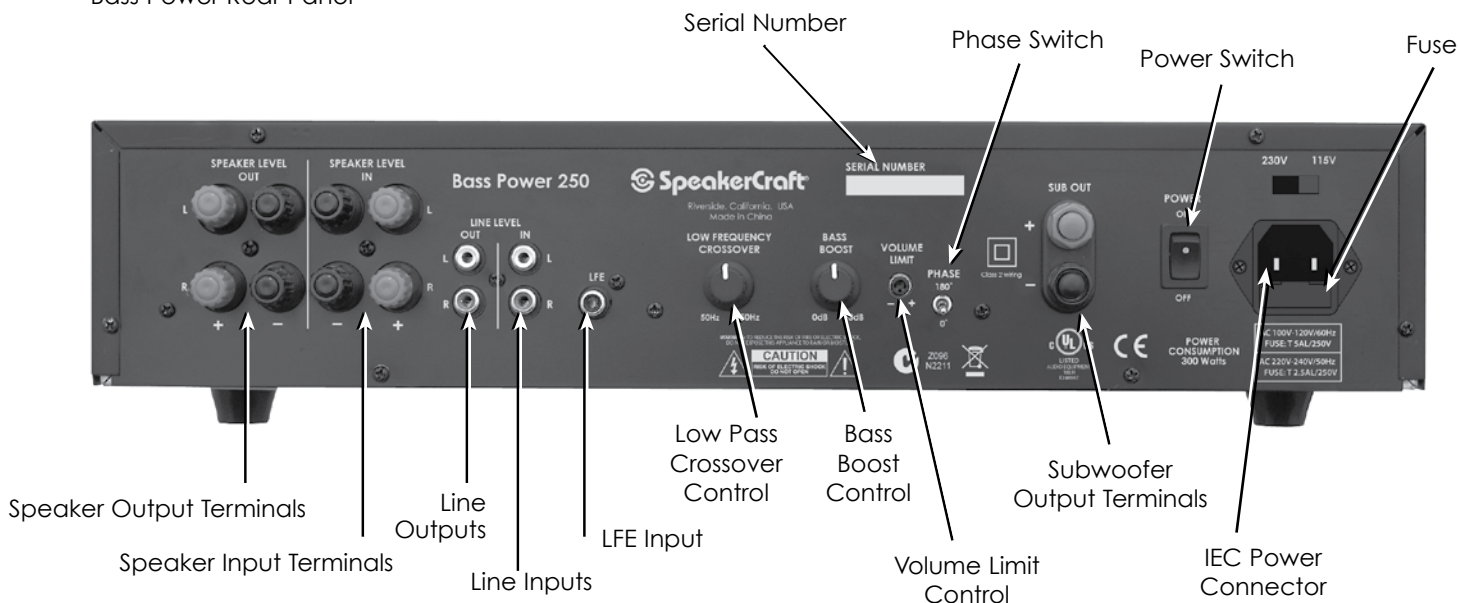
- The power supply may cause a hum to be heard in some components if they are placed very close to the amplifier.

INSTALLATION

Please use Diagram 1 to familiarize yourself with the rear panel of the Bass Power amplifier.

DIAGRAM 1

Bass Power Rear Panel



INSTALLATION (continued)

1. Connecting the Subwoofer to the Amplifier

CAUTION: Only make connections when the amplifier is turned off.

There are 2 output terminals on the back of the amplifier, one positive and one negative. These 3-way binding post output terminals allow for a variety of ways to connect your subwoofer wiring to the amplifier, including stripped wire, spade connectors, etc. You **MUST** use a minimum of 14 gauge speaker wire. Be sure all connections are solid.

2. Connecting the Audio Inputs

CAUTION: To avoid possible damage to the amplifier or subwoofer, only make connections when the amplifier is turned off.

- **LFE (Low Frequency Effects) Input** - If your preamplifier or receiver has a Sub Out or LFE out, you can connect it to the LFE input. Be aware that using the LFE input bypasses the amplifier's adjustable low frequency (low pass) crossover.
- **Line Level Inputs (Left & Right)** - The line outputs from a preamplifier or receiver can be connected to the line level inputs of the Bass Power with RCA cables. If the line level signal is also required by other equipment, you can connect the line level outs to another device. (See the Line Level Outputs section below.)
- **Speaker Level Inputs (Left & Right)** - These inputs can be used if your receiver does not have a subwoofer output or a set of line output jacks. Being sure to observe proper polarity, connect the left and right pair of main speaker output wires from your amplifier or receiver to the speaker level input terminals of the Bass Power amplifier. Then connect a left and right pair of speaker wires from the Bass Power speaker level output to your main speaker terminals. (See Speaker Level Outputs section below)

3. Connecting the Audio Outputs (optional)

- **Line Level Outputs (Left & Right)** - Sources connected to the line level inputs can be forwarded to other receivers or amplifiers line level inputs. By doing this you can pass-on the audio signal for use by another component. Connect RCA cables to the line level output sections of the Bass Power and the Line level inputs of a receiver or amplifier.
- **Speaker Level Outputs (Left & Right)** - Connect a left and right pair of speaker wires from the Bass Power speaker output terminals to your main speakers. The main speakers will still be powered by your system's receiver or amplifier.

4. Dual Voltage Switch (See Diagram 2)

For use in the U.S., the Bass Power comes preset from the factory at 115V. For use in other countries, the voltage switch may need to be changed to 230V. (Please note that a plug adapter or alternate power cord may be required.)

DIAGRAM 2
Dual Voltage Switch



5. Connecting the AC Power

Plug the socket of the supplied AC cord into the receptacle on the rear of the amplifier. Plug the 3-prong plug directly into a wall outlet. If you wish to plug the amplifier into a preamplifier or receiver's switched outlet, make sure it is rated at least 600 watts. However, it is always safer to plug the Bass Power directly into an AC outlet.

AMPLIFIER OPERATION

Please use Diagrams 1 & 3 to familiarize yourself with the front and rear panels of the Bass Power.

CAUTION: Please read all the following instructions to prevent causing damage to your system.

Front Panel Controls

- **Volume Control**

Use this to match the output level of the subwoofer to that of the main speakers in the system. We recommend that you play a variety of material before selecting a setting. Start with the control turned completely counterclockwise (off) and slowly turn it up. **NOTE:** Turning the volume up slowly will prevent possible damage to the woofer from the system being run too "hot". Very little movement of the knob is needed.

CAUTION: If a popping sound (clipping) is audible through the subwoofer, it is being over driven, reduce the volume of the amplifier, or speaker damage may occur! (See Volume Limit Control for proper adjustment of volume settings to avoid distortion & damage.)

- **Auto Sense Power On**

The Amplifier is turned on and off by sensing audio signals coming from the receiver or preamp through the input connections. The Active LED on the front of the amplifier will be lit red until an audio signal is sensed. At the moment that an audio signal is sensed on either the Left or Right, line level or speaker level inputs, or the LFE input, the amplifier will then turn on and the Active LED will turn green. Once the audio signal stops, the amplifier will wait five minutes before turning off.

NOTE: The amplifier's rear power switch must be turned on for the Audio Sense mode to operate. Once the power is switched on, the auto sense circuitry becomes operational. If you will be away for a long period of time, you may turn off the rear power switch or unplug the unit from the outlet if you wish.

- **Protection Circuitry**

If the Protection circuit in the amplifier is activated, the amplifier will turn off and the Active LED will turn red. This indicates one of the following situations has occurred:

- a. The Protection Circuit detected the amplifier was in danger of overheating and has temporarily shut down to protect the system. The Active LED will turn green again and the amplifier will return to "Active" without any intervention necessary.
- b. A fault in the wiring, the speaker, or the amplifier may cause the amplifier to remain off. In this case, turn the rear power switch off and then on. If the amplifier returns to the protection mode, turn the amplifier off and refer to the troubleshooting section of this manual.

DIAGRAM 3

Bass Power Front Panel



Rear Panel Controls

The following controls allow you to blend the sound wave output of the Bass Power to the output of the main speakers in your system.

- **Power Switch**

The switch marked "Power" on the rear panel of the amplifier will turn off all amplifier circuitry including Auto Sense circuitry (See Diagram 1 for reference).

- **Low Frequency (Low Pass) Crossover**

Use this control to adjust the upper frequency limit of the Bass Power. The purpose is to control the overlap of the Bass Power's upper frequencies and the main speaker's lower frequencies. If adjusted well, this allows seamless blending of the subwoofer with the speakers.

AMPLIFIER OPERATION (continued)

• Bass Boost Control

This control allows you to increase bass response between 50 and 100Hz for certain types of audio that lacks in bass, such as old recordings, etc.

• Phase Control

This control allows you to match the arrival times of the sound waves of the Bass Power and the main speakers to your listening area. While the system is playing, flip the switch to the 180° and back to 0° until the bass sounds louder or less boomy. Depending on the subwoofer placement and room acoustics, this control may have little or no effect.

• Volume Limit Control

Use this control to adjust the maximum volume setting for your Bass Power system. With the volume limit control and front panel volume control turned all the way down (counterclockwise), turn on the subwoofer and start playing audio through your system. Turn the system up (not the subwoofer) to the highest comfortable level – WITHOUT DISTORTION. Now on the front panel of the subwoofer, turn up the sub woofer volume all the way. There should be no bass playing yet. Next SLOWLY turn up the volume limit control until the subwoofer is playing at its loudest level WITHOUT DISTORTION. Return the system volume and Bass Power front panel volume levels to normal. Now anyone can safely turn up the subwoofer all the way without damaging the subwoofer.

TROUBLESHOOTING

The Bass Power Subwoofer System is designed to function trouble-free. Most problems occur because of operating errors. If you have a problem, please check the troubleshooting list first. If the problem persists, contact Tech Support at 1-800-448-0976 or e-mail us at techsupport@speakerscraft.com.

The Problem	Possible Causes and Solutions
No sound is heard.	Audio cable to the amplifier is not connected properly. Check this and other system component manuals to be sure of proper connections. The cable is bad. Use another cable that you know is good. Loose or frayed wires. Check for solid, clean connections on all speaker wire terminals. Volume Limit Control is set too low. See Volume Limit Control for adjustment procedure.
A hum or buzzing sound is heard.	The sound may be caused by a ground loop in the system. Try to eliminate this by reversing the AC plugs of other components in the system. Try plugging the amplifier into another outlet. Other causes may include faulty cables.
The amplifier will not turn on.	There may be AC power problems. Check the AC circuit and plugs. Be sure the power switch is turned on. Audio cable to the amplifier is not connected properly. Check this and other system component manuals to be sure of proper connections. The cable is bad. Use another cable that you know is good. Loose or frayed wires. Check for solid, clean connections on all speaker wire terminals.
The Protection Circuit cuts in momentarily and then returns to normal.	The circuitry in the amplifier has detected that the amplifier is in danger of overheating. Normally, this would happen infrequently and momentarily. If it persists, the amplifier may need to have more adequate ventilation. Move the amplifier to a better ventilated and/or cooler location. NOTE: The amplifier case may feel cool at the top, but still be overheating internally. Do not use the temperature at the top of the cabinet as a gauge for amplifier temperature.
The Protection Circuit cuts in and does not return to normal.	There may be a fault in the wiring, the speaker, or the amplifier. Turn the power switch off and then on again. If the amplifier immediately returns to the Protection mode, turn it off and check all of the wiring, including all connections at the amplifier, at the subwoofer, and any connections made to the terminals on a wall plate.

SPECIFICATIONS

	Bass Power 250	Bass Power 200	Bass Power 150
Type:	Mono Class A-B dedicated subwoofer amplifier	Mono Class A-B dedicated subwoofer amplifier	Mono Class A-B dedicated subwoofer amplifier
Power Output:	250 watts	200 watts	150 watts
Crossovers:	Variable Low Pass Crossover 50Hz to 150 Hz, LFE 30Hz to 600Hz	Variable Low Pass Crossover 50Hz to 150 Hz, LFE 30Hz to 600Hz	Variable Low Pass Crossover 50Hz to 150 Hz, LFE 30Hz to 600Hz
Auto Off Time:	5 minutes	5 minutes	5 minutes
Auto On Sensitivity:	3.0 mv	3.0 mv	3.0 mv
Dimensions H x W x D:	3½" x 17" x 11½" (89mm x 432mm x 292mm) (add ½" for feet & 4" for rear panel connectors)	3½" x 17" x 11½" (89mm x 432mm x 292mm) (add ½" for feet & 4" for rear panel connectors)	3½" x 17" x 11½" (89mm x 432mm x 292mm) (add ½" for feet & 4" for rear panel connectors)

In our attempt to constantly improve our products, features and specifications are subject to change without notice.

LIMITED TWO YEAR WARRANTY

SpeakerCraft Inc. warrants to the original retail purchaser only that this SpeakerCraft product will be free from defects in materials and workmanship for a period of two years, provided the product was purchased from a SpeakerCraft Authorized Dealer.

Defective products must be shipped, together with proof of purchase, prepaid insured to the SpeakerCraft Authorized Dealer from whom they were purchased, or to the SpeakerCraft factory at the address listed on this installation instruction manual. Freight collect shipments will be refused. It is preferable to ship this product in the original shipping container to lessen the chance of transit damage. In any case, the risk or loss or damage in transit is to be borne by the purchaser. If, upon examination at the Factory or SpeakerCraft Authorized Dealer, it is determined that the unit was defective in materials or workmanship at any time during this warranty period, SpeakerCraft or the SpeakerCraft Authorized Dealer will, at its option, repair or replace this product at no additional charge, except as set forth below. If this model is no longer available and can not be repaired effectively, SpeakerCraft, at its sole option may replace the unit with a current model of equal or greater value. In some cases where a new model is substituted, a modification to the mounting surface may be required. If mounting surface modification is required, SpeakerCraft assumes no responsibility or liability for such modification. All replaced parts and product become the property of SpeakerCraft Inc. Products replaced or repaired under this warranty will be returned to the original retail purchaser, within a reasonable time, freight prepaid.

This warranty does not include service or parts to repair damage caused by accident, disaster, misuse, abuse, negligence, inadequate packing or shipping procedures, commercial use, voltage inputs in excess of the rated maximum of the unit, or service, repair or modification of the product which has not been authorized or approved by SpeakerCraft. This warranty also excludes normal cosmetic deterioration caused by environmental conditions. This warranty will be void if the Serial number on the product has been removed, tampered with or defaced.

This warranty is in lieu of all other expressed warranties. If the product is defective in materials or workmanship as warranted above, the purchaser's sole remedy shall be repair or replacement as provided above. In no event will SpeakerCraft be liable for any incidental or consequential damages arising out of the use or inability to use the product, even if SpeakerCraft Inc. or a SpeakerCraft Inc. Authorized Dealer has been advised of the possibility of such damages, or for any claim by any other party. Some states do not allow the exclusion or limitation of consequential damages, so the above limitation and exclusion may not apply.

All implied warranties on the product are limited to the duration of this expressed warranty. Some states do not allow limitation on the length of an implied Warranty. If the original retail purchaser resides in such a state, this limitation does not apply.





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