

powerbass®

X T R E M E



XL-1250

XL-850

XL-650

AMPLIFIED BLUETOOTH SOUNDBAR

Application Guide

Please read through this manual to familiarize yourself with your new speakers. Should your PowerBass Xtreme Powersports Soundbar ever require service, you will need to have the original dated receipt.



Thank you and Congratulations

Congratulations on your purchase of a PowerBass USA Xtreme™ full-range Bluetooth speaker system. You now own a Bluetooth soundbar of uncompromising design and engineering from a factory that truly believes in the relentless pursuit of perfection. Incorporating the highest quality parts and state-of-the-art materials, these bluetooth speakers display the ultimate balance between high fidelity, performance and long-lasting reliability.



At PowerBass USA, Inc. we are confident you will have many years of outstanding enjoyment from this great SPEAKER investment. For maximum performance we recommend that you have your new PowerBass Xtreme product installed by an Authorized PowerBass Xtreme Dealer.

To learn more about PowerBass, please visit us on the World Wide Web at
<http://www.powerbassusa.com>

Δ Warning Δ

Continuous exposure to sound pressure levels in excess of 100 dB can cause permanent hearing loss. PowerBass Autosound Speakers are capable of producing sound pressure levels well over 170 dB. Please observe all local sound ordinances while listening to your PowerBass Autosound system. PowerBass USA, Inc. accepts no liability for hearing loss, bodily injury, or property damage due to the result of use or misuse of this product.

TECHNICAL FEATURES

Square Marine Grade Poly Cone Woofers To supply the low end bass response

Full Range Marine Grade Poly Cone Speakers Set up in an optimum sound array for high volume output

SD Mylar Tweeters Gives the sizzle that extends the sonic high frequency

Precision Tuned DSP For extended frequency range and low distortion sonic playback

Heavy Duty Extruded Aluminum Water Tight Housing For added heatsink cooling and a waterproof sealed environment

Bluetooth And Wired AUX Inputs Let's you select the way you want to delivery your music

2 Volt Line Output To add a second sound bar or external amplifier

Universal L Mount Brackets Easy installation for many applications

Optional Clamp Systems additional mounting options for square or round tubes (XL-SBCLAMP2, XL-SBSCLAMP, XL-SBTCLAMP Sold Separately).

Optional Wireless Remote (XL-SBCONRF Sold Separately). To have wireless control of your soundbar.

XL-1250:

3.5" x 6 Premium Marine Grade Woofers

3" x 2 Full Range Premium Marine Grade Speakers

1" x 4 Premium Marine Grade Mylar Dome Tweeters

500 Watt RMS Quad Bridged Mosfet Power Amplifier

XL-850:

3.5" x 4 Premium Marine Grade Woofers

3" x 2 Full Range Premium Marine Grade Speakers

1" x 2 Premium Marine Grade Mylar Dome Tweeters

400 Watt RMS Quad Bridged Mosfet Power Amplifier

XL-650:

3.5" x 2 Premium Marine Grade Woofers

3" x 2 Full Range Premium Marine Grade Speakers

1" x 2 Premium Marine Grade Mylar Dome Tweeters

300 Watt RMS Quad Bridged Mosfet Power Amplifier

SPECIFICATIONS FOR XTREME AMPLIFIED SOUNDBARS

(Due to continuing improvements these specifications are subject to change without any notice. Do not attempt to fix or repair this unit. Unauthorized repairs will void the manufacturer's warranty.)

Model	XL-1250	XL-850	XL-650
RMS Power (watts)	500	400	300
Peak Power (watts)	1000	800	600
Aux Input Sensitivity	250mV - 3 Volts	250mV - 3 Volts	250mV - 3 Volts
Aux Output	2 Volts	2 Volts	2 Volts
Input Voltage	8V-18V	8V-18V	8V-18V
Frequency Response	50Hz - 22kHz	50Hz - 22kHz	50Hz - 22kHz
Signal to Noise Ratio	>85dB	>85dB	>85dB
Bluetooth Frequency	2.4GHz	2.4GHz	2.4GHz
Bluetooth Protocol	V4.0	V4.0	V4.0
Bluetooth Operating Range	>32'	>32'	>32'
Bluetooth Compatible Devices	A2DP Support	A2DP Support	A2DP Support
Size: L x H x W (inches)	33.75 x 4.9 x 4.4	27 x 4.9 x 4.4	21 x 4.9 x 4.4
Size: L x H x W (millimeters)	857 x 125 x 111	686 x 125 x 111	533 x 125 x 111
Weight (lbs)	17.6	14.8	12.4
Weight (kgs)	7.98	6.71	5.62

INSTALLATION EXPERIENCE

Installation of PowerBass mobile amplified soundbars requires detailed knowledge of electronics wiring. We strongly recommend installation by an authorized PowerBass dealer. This Owner's Manual only provides general installation and operation instructions. If you have any reservations about your installation skills, please contact your local PowerBass dealer for assistance.

IMPORTANT: This amplified soundbar is designed for operation in vehicles with 12-volt Negative ground electrical systems only.

GENERAL INSTALLATION TIPS

Your PowerBass XL Bluetooth Soundbars were specially designed for providing high-fidelity sound in any terrain while being able to withstand the harshest of environments with their splash proof design and military grade aluminum chassis. Possible damage to your speakers may occur if improperly used by overdriving the system causing the sound to distort causing permanent damage to the speakers. Playing loud music in a outdoor environment can permanently damage your hearing, as well as limit your ability to hear other traffic.

1. Be sure to carefully read and understand the instructions before attempting to install this product.
2. Turn off the audio system. For safety, disconnect the negative lead from the battery prior to beginning installation.
3. For easier installation, we recommend that if additional wiring is required, you run all wires prior to mounting your soundbar in place.
4. The outdoor environment can quickly accelerate corrosion so always use the highest quality connectors for a reliable installation and minimal signal or power loss.
5. Always use caution before you drill or cut! Be careful not to puncture gas tanks, fuel lines, hydraulic lines or electrical wiring when working on any vessel or vehicle.
6. Never run soundbar wires underneath the vehicle or exposed on a boat deck, keeping the wiring behind cover provides the best protection from environmental elements.
7. Avoid running any soundbar wire or signal cables near the vehicle's electrical system to prevent noise from "bleeding" into the audio system.
8. Leave a little slack in the soundbar wire for easier installation, this will prevent pulling or stretching the wire and possibly causing a connection to come loose.

PREPARING FOR INSTALLATION

NOTE: The tools listed below may be required for proper installation

- An electric drill with bits
- Allen / Hex Key / Wrench Set
- Philips head and standard screwdrivers
- Wire strippers
- Crimping tool
- VOM (electronic volt ohm meter)
- Heat shrink tubing and heat gun
- Soldering iron
- Electronic (Rosen not Acid Core) Solder

NOTE: The stainless steel hardware supplied with your PowerBass Xtreme soundbar has been chosen to resist rust and corrosion. If the particular hardware supplied will not work for your installation purposes, please be sure to use only appropriate marine grade (stainless steel) mounting hardware.

INSTALLATION PRECAUTIONS

NOTE: Proceed only if you are a qualified installer, otherwise; see your Authorized PowerBass Dealer to professionally install this amplifier. Always wear protective eyewear when using tools.

- Turn off all stereo and other electrical devices before you begin.
- Disconnect the negative (-) lead from your vehicles battery.
- Locate all fuel lines, brake lines, oil lines, and electrical cables when planning the install.
- When connecting ground points, make sure all paint is carefully scrapped away from the body and contact is made with bare metal.
- Use a utility knife to trim away fabric from hole locations before drilling or cutting.
- When running power cables through sheet metal, be sure to use grommets to properly insulate the metal edges from the wire insulation.
- If possible, use tubing through grommets.

WARNING: Check your vehicle's owner's manual before disconnecting the battery. Disconnecting the battery on some vehicles may require an anti-theft code when reconnecting the battery and require the on-board computer to be reset at the dealership. Check with your local dealer if you are uncertain.

MOUNTING THE SOUNDBAR

L-brackets (Also compatible with XL-SBT/SBS CLAMPS providing additional mounting options)

Use the supplied hardware to mount the L bracket to the sound bar at the desired mounting angle. Securely tighten all hardware. The diameter of the hole in the L- bracket is .25 inches.

NOTE: we do not supply the hardware to mount the sound bar to the vehicle when using the supplied L Brackets

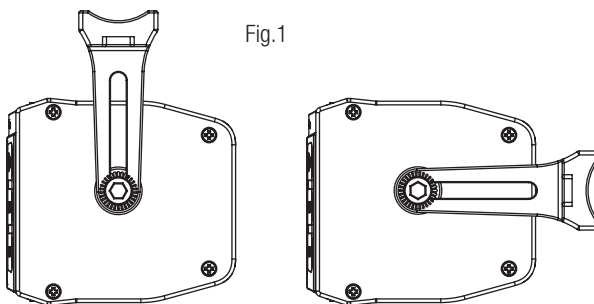


Fig.1

C-clamp bracket (optional not included)

Place the XL-SBCLAMP2 at the desired mounting position, Remove the top C-Clamp portion and bolt the clamp base into the sound bar securely. Once in place and you are ready to mount the sound bar, attach the top C-Clamp portion using the correct length bolts for your bar size.

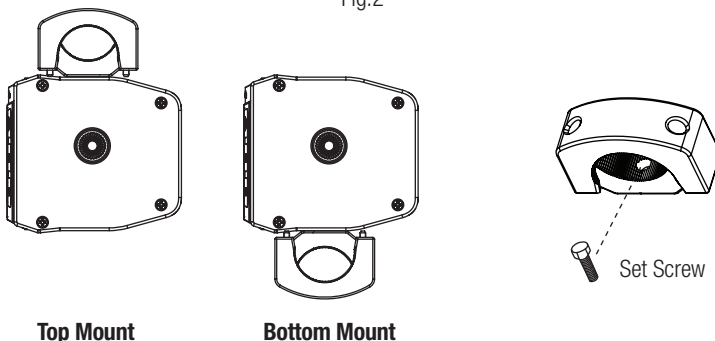


Fig.2

MOUNTING LOCATION

Find an unobstructed location that where the soundbar will be easily heard and out of the way so no harm will come to any individual in or around the vehicle. A prime location to mount the soundbar in an off-road vehicle would be on the roll bar preferably in the front of the cockpit.

POWER WIRING AND SIGNAL CONNECTIONS

Red Fuse Wire is the main power lead to be connected directly to the positive terminal of the 12V battery. It is recommended to hook this power wire directly to the battery for better current and voltage flow (fig. 4).

Black Ground Wire (fig. 3 & 4) is the ground lead to the soundbar and needs to be a solid ground connection. Sand or scrape the paint away from a solid chassis location and use a screw or bolt with a star washer for best results. It is recommended to connect the Ground Wire directly to the Battery negative (fig. 4).

Blue Accessory Wire is the power on and off switch for your soundbar. Attach this lead your ignition or any 12 volt switched power.

Blue & White Remote Out Wire is to power on and off external amplifiers for use along with your soundbar.

AUX RCA Input is the audio input from a source unit that produces 250mV to 3 volts.

AUX RCA Output is up to a 2 volt output to drive an external amp (subwoofer or full-range) or a second sound bar. This output is a full-range variable output that is controlled by the soundbar pre-amp.

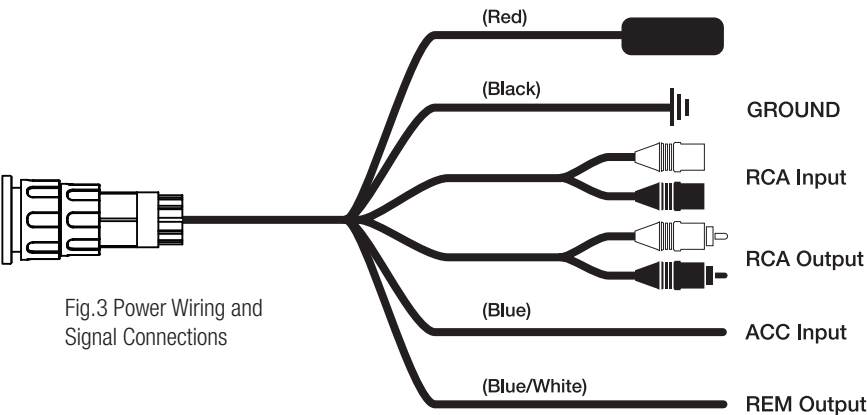


Fig.3 Power Wiring and Signal Connections

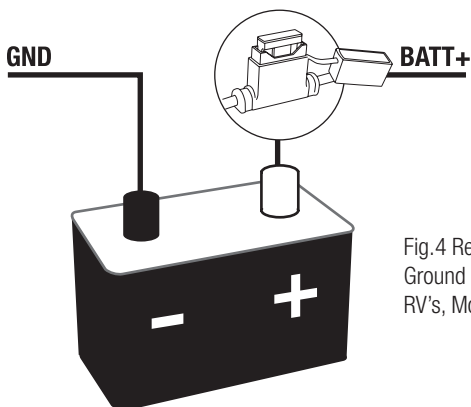


Fig.4 Recommended Power & Ground Connection for UTV's, RV's, Motorcycles and Boats

AUX INPUT

Connect the external audio input wire to your soundbar. Turn the soundbar on by holding the power button for 3-5 seconds, an audible beep will confirm that the soundbar is powered on. Now you can use the main controller on the soundbar to adjust volume up, down and mute. Track back and forward as well as pause will not work in AUX mode; these features work only in Bluetooth mode. In Aux mode these features can only be operated by your connected device. (Radio, Phone or MP3 Player).

AUX OUTPUT

The soundbar will send up to 2 volts of audio output to either an external amplifier (subwoofer or full-range) or second soundbar. This is a variable output that is controlled by the main soundbar. To use the AUX output simply connect to the audio input of your amplifier or secondary sound bar.

CONTROLLER LAYOUT

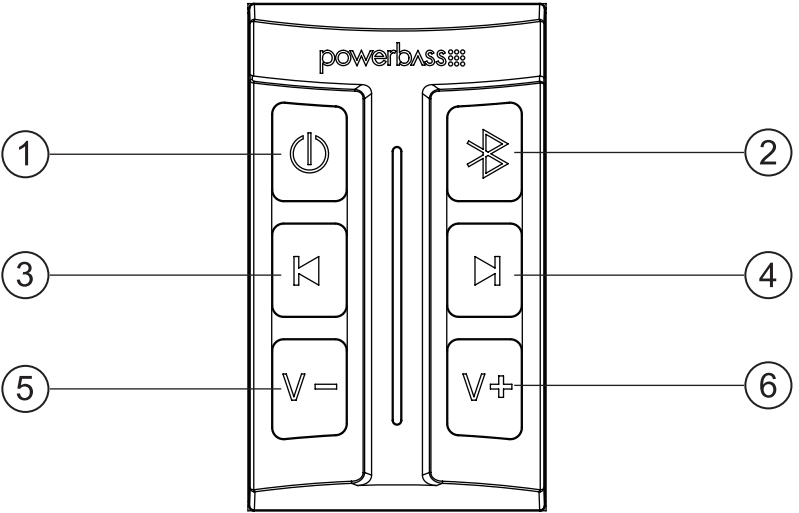


Fig.6

CONTROLLER OPERATION

1) POWER/MUTE/PAUSE BUTTON

Press and hold the button down for 3 to 5 seconds to power unit on/off.

Press the button momentarily to pause the music in Bluetooth mode and once again to un-pause.

Press the button momentarily once to mute the music in AUX mode and once again to un-mute.

2) BLUETOOTH/AUX MODE BUTTON

Press Bluetooth/Aux button momentarily to switch between Bluetooth and auxiliary input.

Press the Bluetooth/Aux button to pair a Bluetooth device if no device is currently paired.

3) TRACK BACK BUTTON

Press the Track Back button momentarily to skip back to the previous song (Bluetooth mode only).

4) TRACK FORWARD BUTTON

Press the Track Forward button momentarily to skip to the next song (Bluetooth mode only).

5) VOLUME DOWN BUTTON

Press the volume down button momentarily to lower the volume. Press the volume down button repeatedly until the desired volume level is achieved.

6) VOLUME UP BUTTON

Press the volume up button momentarily to raise the volume. Press the volume up button repeatedly until the desired volume level is achieved. There will be an audible beep once maximum volume is reached.

BLUETOOTH PAIRING AND OPERATION

- 1)** Turn sound bar on by holding power button for 3-5 seconds, there will be an audible beep to confirm the soundbar is on.
- 2)** Press the Bluetooth button momentarily and you will hear an audible sequence of tones to confirm soundbar is now ready to pair with your device along with flashing back lights.
- 3)** Go into the Bluetooth settings of your device and search for the XL-(model) Soundbar signal to pair. Once paired, there will be an audible beep to confirm that the soundbar and your Bluetooth device has paired successfully.
- 4)** Once the pairing process is complete, use either the main controller on the soundbar or connected device to control volume up and down, track back or forward, and pause/mute.

WIRELESS REMOTE PAIRING OPERATION

(SOLD SEPERATELY)

Pairing your (Sold Separately) XL-SBCONRF wireless remote control can be achieved by following these simple steps.

- 1) Power up your XL Series Soundbar.
- 2) Push and hold – *Track Forward* – until the lights begin to blink.
- 3) Push any button on the XL-SBCONRF
- 4) Soundbar light will blink fast, then solid to confirm pairing is successful.

PERSONAL NOTES:

Name: _____

Date Purchased: _____

Dealer: _____

Installed By: _____

Model: _____

Serial Number: _____

Miscellaneous: _____

TROUBLESHOOTING TIPS

(Due to continuing improvements these specifications are subject to change without any notice. Do not attempt to fix or repair this unit. Unauthorized repairs will void the manufacturer's warranty..)

PROBLEM	SOLUTION
NO POWER	With a volt meter (VOM) check • Red & Blue wire should read +12 to +16 VDC • Black wire should read -12 to -16VDC
NO SOUND	Check input device • Make sure your device is paired with the sound bar • Make sure you are connected to the AUX input cable
DISTORTED OUTPUT	Check input signal • Make sure your input signal does not exceed 3 volts • Reduce the volume on either the soundbar or connected device
SOUND CUTS ON/OFF	Check input signal • Make sure your input signal is at least 250mV • Raise the volume on either the soundbar or connected device
NOT ABLE TO PAIR BLUETOOTH DEVICE	Check • Make sure no other device is paired (only one device can be paired at a time) • Make sure Bluetooth is turned on from your device



Product Disposal – Certain international, national and/or local laws and/or regulations may apply regarding the disposal of this product. For further detailed information, please contact the retailer where you purchased this product or the PowerBass Importer/Distributor in your country.

POWERBASS XTREME LIMITED WARRANTY POLICY

PowerBass USA, Inc. offers limited warranty on PowerBass products under normal use on the following terms:

PowerBass Xtreme Bluetooth Soundbar are to be free of defects in material and workmanship for a period of one (1) year. The warranty is extended to two (2) years for parts and labor, if an Authorized PowerBass Xtreme Dealer completes the installation.

This warranty applies only to PowerBass products sold to consumers by Authorized PowerBass Dealers in the United States of America. Products purchased by consumers from a PowerBass dealer in another country are covered only by that country's Distributor and not by PowerBass USA.

This warranty covers only the original purchaser of PowerBass product. In order to receive service, the purchaser must provide PowerBass with the receipt stating the consumer name, dealer, product and date of purchase.

Products found to be defective during the warranty period will be repaired or replaced (with a product deemed to be equivalent) at PowerBass's discretion and will not be liable for incidental or consequential damages. PowerBass will not warranty this product under the following situations:

- **Speakers received with bent/cracked frames or significant water damage**
- **Abuse such as holes in the cone, surround or ripped spider**
- **Voice coil damage due to amplifier clipping or distortion**
- **Amplifiers received with apparent rust or corrosion**
- **Any evidence of liquid damage or exposure to excessive heat**
- **Attempted repairs or alterations of any nature**
- **Product that has not been installed according to this owners manual**

Any implied warranties including warranties of fitness for use and merchantability are limited in duration to the period of the express warranty set forth above. Some states do not allow limitations on the length of an implied warranty, so this limitation may not apply. No person is authorized to assume for PowerBass any other liability in connection with the sale of this product.

Please call (909) 923-3868 for PowerBass Customer Service. You must obtain an RA# (Return Authorization Number) to return any product to PowerBass. **The RA number must be prominently marked on the outside of the shipping carton or the delivery will be refused.** Please pack your return carefully; we are not responsible for items damaged in shipping. Return the defective product along with a copy of the original dated retail sales receipt, plus \$12.00 for handling and diagnostic evaluation to:

PowerBass USA, Inc.,

Attn: Returns (RA# _____)

2133 S. Green Privado, Ontario, CA 91761

Residents of HI, AK and US territories will be charged for return shipping. All inquires regarding service and warranty should be sent to the above address.

Removed or altered serial numbers will void this warranty

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ▶ -Reorient or relocate the receiving antenna.
- ▶ -Increase the separation between the equipment and receiver.
- ▶ -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ▶ -Consult the dealer or an experienced radio/TV technician for help.

RF warning:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



PowerBass Xtreme – A division of PowerBass USA, Inc.
2133 S. Green Privado, Ontario, CA 91761
Tel. (909) 923-3868 – Fax (909) 923-8048
www.powerbassusa.com