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Soundstream BX 200Z

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Model: BX 200Z | Brand: Soundstream

INTRODUCTION

Thank you for purchasing the Soundstream BX-200Z Digital Bass Reconstruction Processor. This device is designed to enhance the low-frequency response of your car audio system, providing deeper and more impactful bass. It features a dash-mount remote for convenient control of bass levels and a subsonic filter for optimal performance. Please read this manual thoroughly before installation and operation to ensure proper use and maximum enjoyment of your new processor.



Figure 1: Soundstream BX-200Z Digital Bass Reconstruction Processor and Dash Mount Remote. The main unit features controls for Wide, Sweep, Output Voltage, Input Grounding, Balanced/Unbalanced Inputs, and Outputs. A separate remote control is included for convenient bass level adjustment.

Safety Information

Always observe the following safety precautions when installing and operating the BX-200Z:

- Ensure the vehicle's battery is disconnected before beginning any installation to prevent electrical shorts.
- Mount the unit securely to prevent movement during vehicle operation.
- Do not expose the unit to moisture or extreme temperatures.
- Use appropriate gauge wiring for power and ground connections to avoid overheating.
- Consult a professional installer if you are unsure about any part of the installation process.
- Do not attempt to open or repair the unit yourself; this will void the warranty.

Package Contents

Verify that all items are present in the package:

- Soundstream BX-200Z Digital Bass Reconstruction Processor
- Dash Mount Remote Control
- Remote Control Cable
- Mounting Hardware (screws, brackets)
- User Manual (this document)

SETUP & INSTALLATION

Mounting the Unit

Choose a secure, dry location for mounting the BX-200Z, away from direct sunlight or heat sources. Ensure adequate ventilation around the unit. Use the provided mounting hardware to secure the processor firmly.

Wiring Diagram

The BX-200Z requires power, ground, and remote turn-on connections, as well as audio input and output connections. Refer to the following general wiring guidelines:

- **Power (+12V):** Connect to a constant +12V source from the vehicle's battery, fused appropriately (e.g., 1A fuse).
- **Ground (GND):** Connect to a solid chassis ground point in the vehicle. Ensure a clean, paint-free metal surface for optimal connection.
- **Remote (REM):** Connect to the remote turn-on output of your head unit or amplifier. This will turn the BX-200Z on and off with your audio system.
- **Audio Inputs:** Connect the RCA outputs from your head unit or signal processor to the BX-200Z's input jacks. The unit supports both balanced and unbalanced inputs.
- **Audio Outputs:** Connect the RCA outputs of the BX-200Z to the inputs of your amplifier(s).
- **Dash Remote:** Connect the dash mount remote to the dedicated remote port on the BX-200Z using the provided cable. Mount the remote in an easily accessible location for driver adjustment.

Note: For detailed wiring diagrams specific to your vehicle or audio system configuration, consult a professional installer or refer to specialized automotive audio resources.

OPERATING INSTRUCTIONS

The BX-200Z offers several controls to fine-tune your bass response:

- **Output Voltage:** This switch adjusts the maximum output voltage of the processor. Select the setting that best matches the input sensitivity of your amplifier (e.g., 2.5V, 5V, 7.5V, 10V). Start with a lower setting and increase gradually if needed.
- **Input Grounding:** This switch helps eliminate ground loop noise. Experiment with the settings (e.g., -1501, -1502) to find the quietest operation for your system.
- **Wide Control:** This knob adjusts the width of the bass enhancement. Turning it clockwise increases the perceived width of the bass frequencies.
- **Sweep Control:** This knob allows you to select the center frequency of the bass enhancement. Adjust this to target the specific bass frequencies you wish to boost.
- **Dash Mount Remote:** This remote controls the overall bass level. Turn the knob clockwise to increase bass output and counter-clockwise to decrease it.
- **Max Level Indicator:** An LED indicator on the unit illuminates when the output signal is approaching clipping. Adjust your settings to avoid constant illumination, which indicates distortion.

It is recommended to make small adjustments to each control and listen to the results to achieve your desired bass response without distortion.

MAINTENANCE

The Soundstream BX-200Z is designed for reliable operation with minimal maintenance. Follow these guidelines:

- Keep the unit clean and free from dust. Use a soft, dry cloth for cleaning.
- Do not use harsh chemicals or abrasive cleaners.
- Ensure all connections remain secure and free from corrosion. Periodically check wiring for any signs of wear or damage.

TROUBLESHOOTING

If you experience issues with your BX-200Z, consult the table below for common problems and solutions:

Problem	Possible Cause	Solution
No power / Unit does not turn on.	No +12V power, poor ground, or no remote turn-on signal. Blown fuse.	Check power, ground, and remote connections. Verify fuse integrity.
No bass enhancement.	Incorrect input/output connections, remote control set to minimum, or unit not powered.	Ensure proper RCA connections. Check remote control setting. Verify unit is powered on.
Distorted bass.	Output voltage too high, amplifier gain too high, or Max Level Indicator constantly lit.	Reduce Output Voltage setting. Adjust amplifier gain. Ensure Max Level Indicator only flashes on peaks.
Hissing or whining noise.	Ground loop interference.	Adjust Input Grounding switch. Ensure all components are properly grounded.

SPECIFICATIONS

Key technical specifications for the Soundstream BX-200Z:

- **Model Number:** BX 200Z
- **Manufacturer:** Soundstream
- **Package Dimensions:** 8 x 8 x 2 inches
- **Item Weight:** 2 pounds
- **ASIN:** B09Z2CTVRH
- **Input Voltage:** 12V DC (nominal)
- **Output Voltage:** Up to 10V RMS (selectable)
- **Frequency Response:** 10Hz - 100kHz
- **THD:** 0.003%
- **S/N Ratio:** >100dB
- **Subsonic Filter:** Yes (integrated)
- **Dash Remote:** Included

WARRANTY INFORMATION

Soundstream products are manufactured to the highest quality standards. This product is covered by a limited warranty against defects in materials and workmanship for a period specified by Soundstream's official warranty policy. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, please refer to the official Soundstream website or contact customer support.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please visit the official Soundstream website or contact their customer support department. You can often find FAQs, additional resources, and contact information on their website.

Soundstream Official Website: www.soundstream.com

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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