

- › [Soundstream](#) /
- › [Soundstream BX-10X Digital Bass Processor Instruction Manual](#)

Soundstream BX-10X

Soundstream BX-10X Digital Bass Processor Instruction Manual

Model: BX-10X | Brand: Soundstream

[Box](#) [Setup](#) [Operation](#) [Introduction](#) [Features](#) [What's in the](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty](#)

INTRODUCTION

The Soundstream BX-10X Digital Bass Processor is designed to enhance the bass response of your audio system. It reconstructs low-frequency information, providing a richer and more powerful bass experience across various music genres. This manual provides detailed instructions for the proper installation, operation, and maintenance of your BX-10X unit.



Figure 1: Front view of the Soundstream BX-10X Digital Bass Processor.

KEY FEATURES

- **Bass Reconstruction Processor:** Reproduces rich, powerful bass tones across all music genres. Features precise frequency adjustment for tailored bass output.
- **Digital Bass Restoration:** Enhances low-quality, low-bitrate, and mono audio to near high-quality bass tones, suitable for various music styles.
- **Convenient Controls:** Includes a removable waterproofing panel for easy access to top-panel controls. A dash-mount bass control knob provides instant bass adjustment.
- **Balanced Input and Outputs:** Equipped with RCA balanced and unbalanced inputs and outputs, ensuring a fully balanced signal path for superior sound clarity and reduced noise.
- **User-Friendly Adjustment:** Intuitive top-panel controls and the dash-mount knob allow for easy adjustment of bass levels, including wide and sweep dial adjustments.

Precise Control, Maximum Impact

Fine-tune your sound with
Parametric Bass Control.



Customize Center
Frequency
(27Hz-63Hz)



Adjustable
Bandwidth for
Optimal Sound



Bass Maximizer to
Reproduce Bass
Tones



Figure 2: Detailed view of the BX-10X controls for precise bass adjustment.

WHAT'S IN THE BOX

Upon opening the package, please verify that all components are present:

- Soundstream BX-10X Digital Bass Processor Unit
- Installation Hardware
- Instruction Manual (this document)

INSTALLATION AND SETUP

Proper installation is crucial for optimal performance. It is recommended that installation be performed by a qualified professional. Ensure the vehicle's battery is disconnected before beginning any wiring.

1. Mounting the Unit

Choose a secure, dry location for mounting the BX-10X. Avoid areas exposed to excessive heat, moisture, or direct sunlight. Use the provided hardware to firmly attach the unit.

Seamless Bass Adjustments

Easy Dash Mount Remote for Real-Time Control.



- ✓ **Convenient In-Car Adjustments**
- ✓ **Quick Access to Bass Output Control**
- ✓ **Compatible with Your Car Audio Setup**

Figure 3: Example installation of the BX-10X in a vehicle trunk, showing the unit and dash remote.

2. Wiring Connections

- **Power (+12V):** Connect the +12V terminal to a constant +12V power source from the vehicle's battery. Use appropriate gauge wire and an inline fuse (not included) close to the battery.
- **Ground (GND):** Connect the GND terminal to a clean, solid chassis ground point in the vehicle. Ensure a good metal-to-metal connection.
- **Remote (REMOTE):** Connect the REMOTE terminal to the remote turn-on output of your head unit or another switched +12V source. This will turn the BX-10X on and off with your audio system.
- **Audio Input (BALANCED INPUTS L/R):** Connect the RCA outputs from your head unit or signal source to the BALANCED INPUTS of the BX-10X.
- **Audio Output (OUTPUTS L/R):** Connect the RCA OUTPUTS of the BX-10X to the RCA inputs of your amplifier(s).

- **Dash Remote:** Connect the dash-mount remote control to the "DASH REMOTE" port on the BX-10X using the provided cable. Mount the remote in an easily accessible location for the driver.

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Video 1: A demonstration of the Soundstream BX-10X Digital Bass Processor installed in a vehicle, showing its connections and operation with an amplifier.

OPERATION

The BX-10X offers several controls to fine-tune your bass experience.

Top Panel Controls:

- **WIDE Control:** Adjusts the bandwidth of the bass enhancement. Turning it clockwise increases the range of frequencies affected by the bass processing.
- **SWEEP Control:** Selects the center frequency for the bass enhancement. This allows you to target specific low frequencies for boosting.
- **Frequency Selection Switches (-35Hz, -50Hz, -80Hz):** These switches allow you to set the lower cutoff frequency for the bass output, helping to protect subwoofers from ultra-low frequencies they cannot reproduce effectively.
- **MAX BASS CONTROL LEDs:** These indicators illuminate to show the level of bass processing being applied.

Dash-Mount Remote Control:

The dash-mount remote allows for convenient, real-time adjustment of the overall bass output level from the driver's seat. Rotate the knob clockwise to increase bass and counter-clockwise to decrease it.

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Video 2: A short video demonstrating the bass output and the effect of the Soundstream BX-10X in a car audio system.

MAINTENANCE

The Soundstream BX-10X is designed for reliable operation with minimal maintenance. Follow these guidelines to ensure longevity:

- **Cleaning:** Use a soft, dry cloth to clean the unit. Avoid abrasive cleaners or solvents.
- **Environment:** Ensure the unit is kept away from excessive heat, direct moisture, and dust.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.

TROUBLESHOOTING

If you experience issues with your BX-10X, consult the following table before contacting support:

| Problem | Possible Cause | Solution |
|----------|-------------------------------|--|
| No Power | Blown fuse | Check and replace fuse if necessary. |
| | Loose power/ground connection | Verify all power and ground connections are secure. |
| | No remote turn-on signal | Ensure the remote wire is connected and receiving +12V when the head unit is on. |
| | | |

| Problem | Possible Cause | Solution |
|---------------------|--|--|
| No Bass Enhancement | Incorrect input/output connections WIDE/SWEEP controls set incorrectly Dash remote turned down | Check RCA input and output connections. Adjust WIDE and SWEEP controls to desired settings. Turn up the dash-mount remote control. |
| Distorted Bass | Input signal too high Output level too high Amplifier gain set too high | Reduce the input level to the BX-10X. Lower the output level of the BX-10X. Adjust the gain settings on your amplifier. |

SPECIFICATIONS

| Feature | Detail |
|----------------------|---------------------------|
| Model Number | BX-10X |
| Item Weight | 1.9 pounds |
| Product Dimensions | 7.5 x 1.1 x 5.1 inches |
| Display Type | LCD, LED (for indicators) |
| Manufacturer | Soundstream |
| Date First Available | October 22, 2009 |

WARRANTY INFORMATION







The Soundstream BX-10X Digital Bass Processor comes with a **1-year Manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty card included with your product or contact Soundstream customer support.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Soundstream customer support. Visit the official Soundstream website for the most current contact information.

Website: www.soundstream.com (Example link, please verify official website)



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| <div><p>SOUNDSTREAM TECHNOLOGIES</p><p>BX-108Z Digital Bass Reconstruction Processor Owner's Manual & Installation Guide</p></div> | <p>Soundstream BX-108Z Digital Bass Reconstruction Processor Owner's Manual & Installation Guide</p> <p>Comprehensive owner's manual and installation guide for the Soundstream BX-108Z Digital Bass Reconstruction Processor, detailing product features, connections, settings, specifications, and troubleshooting.</p> |
| <div><p>SOUNDSTREAM TECHNOLOGIES</p><p>BX-10X Digital Bass Reconstruction Processor Owner's Manual & Installation Guide</p></div> | <p>Soundstream BX-10X Digital Bass Reconstruction Processor: Owner's Manual & Installation Guide</p> <p>Comprehensive guide for the Soundstream BX-10X Digital Bass Reconstruction Processor, detailing its features, installation procedures, connection diagrams, product specifications, troubleshooting tips, and warranty information.</p> |
| <div><p>SOUNDSTREAM TECHNOLOGIES</p><p>BX-20Z Digital Bass Reconstruction Processor Owner's Manual & Installation Guide</p></div> | <p>Soundstream BX-20Z Digital Bass Reconstruction Processor: Owner's Manual & Installation Guide</p> <p>Comprehensive owner's manual and installation guide for the Soundstream BX-20Z Digital Bass Reconstruction Processor. Learn about features, connections, specifications, troubleshooting, and warranty.</p> |
| <div><p>SOUNDSTREAM TECHNOLOGIES</p><p>BX-108Z Digital Bass Reconstruction Processor Owner's Manual & Installation Guide</p></div> | <p>Soundstream BX-108Z Digital Bass Reconstruction Processor Owner's Manual & Installation Guide</p> <p>This guide provides detailed information on the Soundstream BX-108Z Digital Bass Reconstruction Processor, including its features, installation instructions, product functions, specifications, troubleshooting tips, and warranty details.</p> |
| <div><p>SOUNDSTREAM TECHNOLOGIES</p><p>BX-23Q Digital Bass Reconstruction Processor Owner's Manual & Installation Guide</p></div> | <p>Soundstream BX-23Q Digital Bass Reconstruction Processor Owner's Manual & Installation Guide</p> <p>Comprehensive guide for the Soundstream BX-23Q Digital Bass Reconstruction Processor, covering installation, features, product functions, and troubleshooting.</p> |
| <div><p>SOUNDSTREAM TECHNOLOGIES</p><p>BX-10 Digital Bass Reconstruction Processor Owner's Manual & Installation Guide</p></div> | <p>Soundstream BX-10 Digital Bass Reconstruction Processor Owner's Manual & Installation Guide</p> <p>Comprehensive guide for the Soundstream BX-10 Digital Bass Reconstruction Processor, covering installation, features, specifications, troubleshooting, and warranty information.</p> |