

## Soundstream BX-26PS

# Soundstream BX-26PS Bass Restoration Processor User Manual

Model: BX-26PS  
Brand: Soundstream

## INTRODUCTION

Thank you for choosing the Soundstream BX-26PS Bass Restoration Processor. This device is designed to enhance the low-frequency response of your audio system, providing deeper and more impactful bass. Its IP66 waterproof rating makes it suitable for various applications, including car, marine, motorcycle, ATV, and UTV audio systems. This manual provides essential information for proper installation, operation, and maintenance of your BX-26PS.

## SAFETY INFORMATION

- Always disconnect the vehicle's battery before beginning any installation.
- Ensure all wiring is properly insulated to prevent short circuits.
- Mount the unit securely to avoid damage from vibrations or movement.
- Do not operate the unit if it has been submerged in water beyond its IP66 rating or if any connections are compromised.
- Consult a professional installer if you are unsure about any part of the installation process.

## PRODUCT OVERVIEW

The Soundstream BX-26PS is a digital bass reconstruction processor designed to restore and enhance the low-frequency information often lost during the compression or transmission of audio signals. It features an IP66 waterproof and dustproof rating, making it ideal for harsh environments. The unit includes various controls for fine-tuning bass response and an external remote bass control knob for convenient adjustments.



Image: The Soundstream BX-26PS Bass Restoration Processor unit and its included remote bass control knob. The main unit is black with a spider logo and various control knobs and switches. The remote knob is smaller, black and blue, with two rotary controls.

# Digital Bass Reconstruction Processor



**Waterproof**



**Dashboard Mount  
Bass Control**



Image: The Soundstream BX-26PS unit highlighting its core features: Digital Bass Reconstruction Processor, Waterproof design, and Dashboard Mount Bass Control. The unit is shown on a dark, textured surface with water droplets, emphasizing its robust nature.

## Package Contents

- Soundstream BX-26PS Bass Restoration Processor Unit
- Remote Bass Control Knob with Cable
- Mounting Hardware (Screws, etc.)
- Wiring Harness

## SETUP AND INSTALLATION

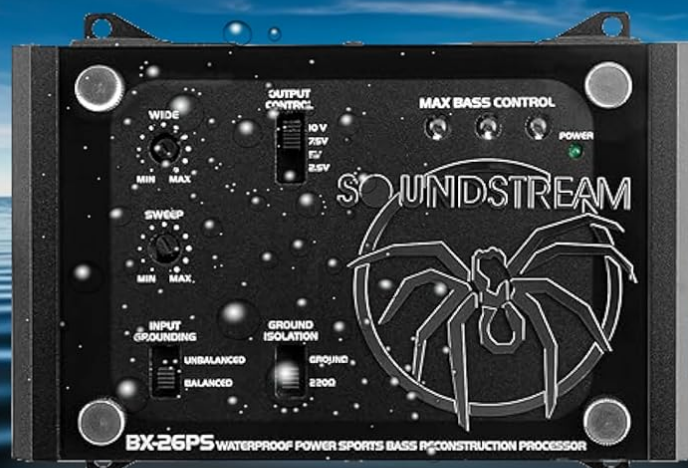
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## Mounting the BX-26PS Unit

Choose a secure, dry location for mounting the BX-26PS unit. While the unit is IP66 rated, protecting it from direct exposure to extreme elements will prolong its lifespan. Ensure adequate ventilation around the unit. Use the provided mounting hardware to secure the processor firmly to a flat surface.

# Unmatched Durability: IP66 Waterproof for All Adventures

Perfect for boats, ATVs, UTVs, motorcycles, and more. Built to withstand the elements with ease.



**Waterproof Bass Processor**



**Attached Harness**

Image: The Soundstream BX-26PS unit shown in a marine environment, emphasizing its IP66 waterproof durability for all adventures. The unit is black with a spider logo and clear labels, designed to withstand outdoor conditions.



# Marine Bass Processor



IP66 waterproof bass processor for easy installation in boats, cars, ATVs, UTVs, or motorcycles. Compact design saves space while delivering powerful bass.

Image: The Soundstream BX-26PS unit shown in a dusty, off-road power sports environment, illustrating its IP66-rated dustproof and waterproof design. This image highlights its suitability for tough conditions.

## Wiring Connections

The BX-26PS requires power, ground, remote turn-on, audio input, and audio output connections. Refer to the wiring diagram below for detailed connections. Use appropriate gauge wiring for power and ground connections.

- **Power (B+):** Connect to a constant +12V source from the vehicle's battery.
- **Ground (GND):** Connect to a solid chassis ground point. Ensure a clean, bare metal connection.
- **Remote (REM):** Connect to the remote turn-on output of your head unit or amplifier.
- **Input (RCA):** Connect the RCA outputs from your head unit or signal processor to the BX-26PS input RCAs.
- **Output (RCA):** Connect the BX-26PS output RCAs to the input of your amplifier.

## Remote Bass Control Knob Installation

Install the remote bass control knob in a convenient location within reach of the driver. Connect the remote knob's cable to the designated port on the BX-26PS unit.

# Effortless Control: Customize Bass Instantly

Intuitive top-panel controls and  
dash-mount bass knob for on-  
the-go adjustments

**OFF-ROAD  
WITH BASE**

**Variable 27hz**

**63hz Freq Sweep**

Image: The Soundstream BX-26PS unit and its remote bass knob shown in an off-road vehicle setting, emphasizing its effortless control and suitability for various vehicles. The remote knob allows for variable 27Hz to 63Hz frequency sweep adjustments.

## OPERATION AND ADJUSTMENTS

The BX-26PS offers several controls to fine-tune your bass experience. Adjustments should be made carefully and incrementally to achieve optimal sound quality.

### Main Unit Controls

- **WIDE Control:** Adjusts the Q (bandwidth) of the bass restoration circuit. A wider setting will affect a broader range of frequencies, while a narrower setting will focus on a more specific frequency band.
- **SWEEP Control:** Selects the center frequency for the bass restoration. This allows you to target specific low frequencies for enhancement.



- **OUTPUT CONTROL:** Sets the maximum output voltage of the bass processor (10V, 7.5V, 5V, 2.5V). Match this to the input sensitivity of your amplifier to prevent clipping.
- **GROUND ISOLATION:** Switch between UNBALANCED, BALANCED, and GROUND settings. Use this to eliminate ground loop noise. Start with UNBALANCED, and if noise persists, try BALANCED or GROUND.
- **MAX BASS CONTROL:** This is the primary gain control for the bass restoration circuit. Adjust this to set the overall level of bass enhancement.
- **POWER LED:** Indicates when the unit is powered on.



Image: Close-up of the Soundstream BX-26PS unit, highlighting its control knobs for Wide, Sweep, Output Control, and Ground Isolation. The unit is black with a spider logo and clear labels for each function, allowing for precise frequency adjustments and enhanced sound experience.

## Remote Bass Control Knob

The remote bass control knob provides convenient, on-the-fly adjustment of the bass level from your listening

position. It typically controls the overall bass output or a specific frequency range, depending on the main unit's settings.

- **BASS LEVEL:** Adjusts the intensity of the bass restoration.
- **30Hz / SUBSONIC / 60Hz:** This knob likely controls a variable low-pass filter or a specific frequency boost, allowing you to tailor the bass response to your preferences and speaker capabilities.

## RECOMMENDED APPLICATIONS

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The Soundstream BX-26PS is designed for versatility across various vehicle types, thanks to its robust IP66 waterproof and dustproof construction.



Image: The Soundstream BX-26PS unit installed in a marine boat, demonstrating its suitability as a marine bass processor. Its waterproof design ensures reliable performance in aquatic environments.



# Power Sports

## Premium Audio Quality: Balanced Inputs & Digital Restoration

Experience superior sound clarity and restored low-bitrate audio for every genre.

# Marine

Image: The Soundstream BX-26PS unit shown in a power sports vehicle, highlighting its application in ATVs, UTVs, and motorcycles. Its durable construction is ideal for demanding outdoor activities.

## MAINTENANCE

The Soundstream BX-26PS is designed for durability and requires minimal maintenance.

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the unit. Avoid harsh chemicals or abrasive cleaners.
- **Waterproof Rating:** The IP66 rating protects against powerful water jets and dust ingress. While robust, avoid prolonged submersion or high-pressure washing directly on the unit. Ensure all cable glands and covers are properly sealed.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power / Unit Not Turning On	<ul style="list-style-type: none"><li>◦ Blown fuse</li><li>◦ Incorrect wiring (Power, Ground, Remote)</li><li>◦ Loose connection</li></ul>	<ul style="list-style-type: none"><li>◦ Check and replace fuse if necessary.</li><li>◦ Verify all power, ground, and remote connections are correct and secure.</li><li>◦ Ensure the remote turn-on signal is present.</li></ul>
No Bass Enhancement	<ul style="list-style-type: none"><li>◦ Low input signal</li><li>◦ MAX BASS CONTROL set too low</li><li>◦ Incorrect WIDE/SWEEP settings</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure adequate signal from the head unit.</li><li>◦ Increase the MAX BASS CONTROL knob.</li><li>◦ Adjust WIDE and SWEEP controls to target desired frequencies.</li></ul>
Distorted Bass	<ul style="list-style-type: none"><li>◦ Output Control set too high</li><li>◦ Amplifier input gain too high</li><li>◦ Speaker/subwoofer limitations</li></ul>	<ul style="list-style-type: none"><li>◦ Lower the OUTPUT CONTROL setting on the BX-26PS.</li><li>◦ Reduce the input gain on your amplifier.</li><li>◦ Ensure your speakers/subwoofers can handle the enhanced bass.</li></ul>
Engine Noise / Ground Loop Hum	<ul style="list-style-type: none"><li>◦ Grounding issue</li></ul>	<ul style="list-style-type: none"><li>◦ Adjust the GROUND ISOLATION switch (UNBALANCED, BALANCED, GROUND) to find the quietest setting.</li><li>◦ Ensure all ground connections are clean and secure.</li></ul>

## SPECIFICATIONS

Model Name	BX-26PS
Input Voltage	12 Volts (DC)
Power Source	12VDC
Connectivity Technology	RCA
Audio Output Mode	Stereo
Frequency Response	63 KHz <i>(Note: This typically refers to the upper limit of the processor's frequency range.)</i>
Special Feature	Waterproof, IP66, Power Sport
Water Resistance Level	Waterproof (IP66)
Recommended Uses	For Vehicles, For Marine Applications, Power Sports, Motorcycle, Car Audio
Material	Metal, Plastic, Silicone
Color	Black

Product Dimensions (W x D x H)	6.5"W x 4"D x 1.5"H
Item Weight	2.2 Pounds
Included Components	Bass Control Knob
UPC	709483072367




## WARRANTY INFORMATION

The Soundstream BX-26PS Bass Restoration Processor comes with a **Limited Warranty**. For specific terms, conditions, and duration of the warranty, please refer to the warranty card included with your product or visit the official Soundstream website. Keep your proof of purchase for warranty claims.




## CUSTOMER SUPPORT

If you encounter any issues not covered in this manual or require further assistance, please contact Soundstream customer support. Contact information can typically be found on the Soundstream official website or on the product packaging.

### Related Documents - BX-26PS

 <p><b>SOUNDSTREAM</b> TECHNOLOGIES</p> <p>BX-20Z Digital Bass Reconstruction Processor Owner's Manual &amp; Installation Guide</p>	<p><a href="#">Soundstream BX-20Z Digital Bass Reconstruction Processor: Owner's Manual &amp; Installation Guide</a></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>
 <p><b>SOUNDSTREAM</b> TECHNOLOGIES</p> <p>BX-23Q Digital Bass Reconstruction Processor Owner's Manual &amp; Installation Guide</p>	<p><a href="#">Soundstream BX-23Q Digital Bass Reconstruction Processor Owner's Manual &amp; Installation Guide</a></p> <p>Comprehensive guide for the Soundstream BX-23Q Digital Bass Reconstruction Processor, covering installation, features, product functions, and troubleshooting.</p>
 <p><b>SOUNDSTREAM</b> TECHNOLOGIES</p> <p>BX-108Z Digital Bass Reconstruction Processor Owner's Manual &amp; Installation Guide</p>	<p><a href="#">Soundstream BX-108Z Digital Bass Reconstruction Processor Owner's Manual &amp; Installation Guide</a></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>



 <p><b>SOUNDSTREAM</b> TECHNOLOGIES</p> <p>BX-108Z Digital Bass Reconstruction Processor Owner's Manual &amp; Installation Guide</p>	<p><a href="#">Soundstream BX-108Z Digital Bass Reconstruction Processor Owner's Manual &amp; Installation Guide</a></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>
 <p><b>SOUNDSTREAM</b> TECHNOLOGIES</p> <p>BX-12 Digital Bass Reconstruction Processor Owner's Manual &amp; Installation Guide</p>	<p><a href="#">Soundstream BX-12 Digital Bass Reconstruction Processor Owner's Manual &amp; Installation Guide</a></p> <p>Comprehensive owner's manual and installation guide for the Soundstream BX-12 Digital Bass Reconstruction Processor. Learn about its features, connection diagrams, product specifications, troubleshooting steps, and warranty information.</p>
 <p><b>SOUNDSTREAM</b> TECHNOLOGIES</p> <p>BX-10 Digital Bass Reconstruction Processor Owner's Manual &amp; Installation Guide</p>	<p><a href="#">Soundstream BX-10 Digital Bass Reconstruction Processor Owner's Manual &amp; Installation Guide</a></p> <p>Comprehensive guide for the Soundstream BX-10 Digital Bass Reconstruction Processor, covering installation, features, specifications, troubleshooting, and warranty information.</p>