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Soundstream MPQ-5V

Soundstream MPQ-5V 5-Band Parametric Equalizer User Manual

MODEL: MPQ-5V

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Soundstream MPQ-5V 5-Band Parametric Equalizer. Please read this manual thoroughly before using the product to ensure proper function and to maximize your audio experience. Keep this manual for future reference.

Safety Information

- Always disconnect the vehicle's battery negative terminal before installation to prevent electrical shorts.
- Ensure all wiring is properly insulated and secured to prevent damage and interference.
- Do not operate the equalizer in wet conditions or expose it to excessive moisture.
- Consult a professional car audio installer if you are unsure about any installation steps.
- Avoid setting volume levels excessively high to prevent hearing damage and speaker damage.

Product Overview

The Soundstream MPQ-5V is a high-quality 5-band parametric equalizer designed to provide precise control over your car audio system's frequency response. It features a voltage level indicator, multiple input/output options, and independent subwoofer control for enhanced sound customization.



Figure 1: Top-down view of the Soundstream MPQ-5V Parametric Equalizer, showing the overall unit with controls and connections.

Key Features:

- 5-Band Parametric Equalization with +/- 18dB Boost/Cut
- Voltage Level Indicator
- 2 Selectable Balanced RCA Inputs with Input Gain
- Front, Rear, and Subwoofer RCA Outputs
- Independent Subwoofer Level Control
- Selectable Low-Pass Filter (32Hz, 64Hz, 125Hz)
- Input Selector Switch & Fader Control
- Blue Backlit Control Knobs

Setup and Installation

Proper installation is crucial for optimal performance. It is recommended to have this unit installed by a qualified car audio technician.

Mounting:

Choose a secure, dry location within your vehicle, away from direct heat or moisture. Ensure adequate ventilation around the unit. Use the provided mounting hardware to secure the equalizer firmly.

Wiring Connections:

1. **Power Connection:** Connect the +12V terminal to a switched +12V power source (e.g., ignition wire). Connect the GND terminal to a solid chassis ground point. Connect the REM (remote) terminal to the remote output of your head unit.
2. **Input Connections:**
 - Connect your head unit's RCA outputs to the MPQ-5V's **MAIN IN** or **AUX IN** RCA inputs. The MPQ-5V features 2 selectable balanced RCA inputs.
 - Adjust the **Input Gain** control to match the output level of your head unit.
3. **Output Connections:**
 - Connect the MPQ-5V's **FRONT OUT**, **REAR OUT**, and **SUB OUT** RCA outputs to the corresponding inputs on your amplifiers.

Operating Instructions

Familiarize yourself with the controls on the front panel of the MPQ-5V to effectively tune your audio system.



Figure 2: Close-up view of the Soundstream MPQ-5V front panel, highlighting the various control knobs and the voltage display.

Front Panel Controls:

- **VOLUME FADER:** Controls the overall volume level of the system and balances the front-to-rear speaker output.
- **SUB:** Adjusts the output level of the subwoofer channel independently.
- **SUB EFFECT (ON/OFF & LEVEL):** Activates or deactivates the subwoofer effect and adjusts its intensity.
- **VOLTAGE:** Digital display showing the current system voltage.
- **EQ Bands (SUB, LOW, MID, MID-HIGH, HIGH):** These five rotary controls allow you to boost or cut specific frequency ranges by up to +/- 18dB.
 - **SUB:** Adjusts the lowest frequencies, typically for subwoofers.
 - **LOW:** Controls lower mid-range frequencies.
 - **MID:** Adjusts central mid-range frequencies.
 - **MID-HIGH:** Controls upper mid-range frequencies.
 - **HIGH:** Adjusts the highest frequencies, for treble.
- **INPUT SELECT (AUX/MAIN):** Switches between the MAIN IN and AUX IN RCA inputs.
- **LOWPASS FREQUENCY (32Hz, 64Hz, 125Hz):** (Located on the top panel, typically near inputs) Selects the cutoff frequency for the subwoofer output. This filter allows only frequencies below the selected point to pass to the subwoofer amplifier.

Maintenance

- Keep the unit clean by wiping it with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure all connections remain secure. Periodically check wiring for any signs of wear or damage.
- Avoid exposing the equalizer to extreme temperatures or direct sunlight for extended periods.

Troubleshooting

Problem	Possible Cause	Solution
No power to the unit.	Blown fuse, incorrect wiring, no remote turn-on signal.	Check the fuse on the power wire. Verify +12V, Ground, and Remote connections.
No sound output.	Incorrect input/output connections, input selector switch setting, amplifier issues.	Ensure RCA cables are securely connected. Check the INPUT SELECT switch. Verify amplifiers are powered on and functioning.
Distorted sound.	Input gain too high, EQ settings over-boosted, poor ground connection.	Reduce input gain. Adjust EQ bands to avoid excessive boost. Check ground connection for cleanliness and security.
No subwoofer output.	SUB level too low, low-pass filter setting, subwoofer amplifier issue.	Increase the SUB level control. Check the LOWPASS FREQUENCY setting. Verify subwoofer amplifier is working correctly.

Specifications






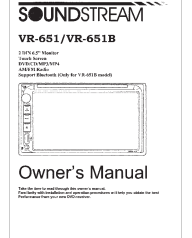
Feature	Specification
Equalization Bands	5 (Sub, Low, Mid, Mid-High, High)
Equalization Range	+/- 18dB Boost/Cut
Input Sensitivity	3V
Max Output Voltage	8.5V
Frequency Response	10Hz-50kHz (+/- 1dB)
Signal-to-Noise Ratio (S/N)	115dB
Total Harmonic Distortion (THD)	0.05%
Stereo Separation	82dB/1K Hz
Impedance	2k ohms
Low-Pass Filter Frequencies	32Hz, 64Hz, 125Hz (Selectable)
Dimensions (L x W x H)	17.8 x 10.5 x 2.54 cm (7.0 x 4.1 x 1.0 inches)
Weight	1.5 pounds (0.68 kg)

Warranty and Support

Soundstream products are designed and manufactured to the highest quality standards. For warranty information, please refer to the warranty card included with your product or visit the official Soundstream website. For technical support or service inquiries, please contact Soundstream customer service through their official channels.

Note: Keep your purchase receipt as proof of purchase for warranty claims.

Related Documents - MPQ-5V

 <p>RESERVE by SOUNDSTREAM Owner's Manual EN</p> <p>DESIGNER-ENGINEERED HEADUNIT FOR 2014+ HARLEY-DAVIDSON MOTORCYCLES</p> <p>Apple CarPlay Android Auto</p> <p>WHD14+</p>	<p>Soundstream RESERVE WHD14+ OEM Upgrade Head Unit for Harley-Davidson Motorcycles Owner's Manual</p> <p>Owner's manual for the Soundstream RESERVE WHD14+ OEM upgrade head unit designed for 2014+ Harley-Davidson motorcycles. Covers installation, operation, settings, troubleshooting, and warranty.</p>
 <p>PrecisionPower Absolutely State of the Art Mobile Audio</p> <p>DSP-88R</p> <p>Digital Signal Processor</p>	<p>Soundstream DSP-88R Digital Signal Processor Installation Guide and User Manual</p> <p>Comprehensive installation guide and user manual for the Soundstream DSP-88R Digital Signal Processor, detailing setup, software configuration, and operation for car audio systems.</p>
 <p>SOUNDSTREAM P T C H A N G E S</p> <p>BX-108Z</p> <p>Digital Bass Reconstruction Processor</p> <p>Owner's Manual & Installation Guide</p>	<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>
 <p>HDVISION by SOUNDSTREAM</p> <p>Wireless Rear View Camera System for Harley-Davidson. Rear View Camera (RVC) for LED Brake Light & Turn Indicator</p> <p>LED Light</p> <p>Wireless camera for transfer module</p> <p>Standard definition wireless camera receiver (HDVision)</p> <p>720P high definition wireless camera receiver (HDVision-V2)</p> <p>HDVISION</p> <p>HDVISION-V2</p>	<p>Soundstream HDVision Wireless Rear View Camera System for Harley-Davidson - Installation & Warranty</p> <p>Comprehensive guide to the Soundstream HDVision wireless rear view camera system for Harley-Davidson motorcycles. Covers product overview, installation steps, operation, pairing, specifications, and warranty details for HDVision and HDVision-V2 models.</p>
 <p>SOUNDSTREAM REIGN Owner's Manual EN</p> <p>5-Channel Amplifier (Analog and Digital system)</p> <p>SR5-3500D</p>	<p>Soundstream SR5-3500D 5-Channel Amplifier Owner's Manual</p> <p>Owner's manual for the Soundstream SR5-3500D 5-Channel Amplifier, detailing features, specifications, installation, and troubleshooting for this analog and digital system.</p>
 <p>SOUNDSTREAM</p> <p>VR-651/VR-651B</p> <p>2 DIN 6.5" Touch Screen Car Multimedia Receiver</p> <p>VR-651/VR-651B</p> <p>Regular Bluetooth Cables for VR-651/VR-651B models</p> <p>Owner's Manual</p>	<p>Soundstream VR-651/VR-651B Owner's Manual: Installation and Operation Guide</p> <p>Comprehensive owner's manual for the Soundstream VR-651/VR-651B 2 DIN 6.5" Touch Screen Car Multimedia Receiver. Covers installation, operation, features, troubleshooting, and technical specifications.</p>

