

Pyle PLE550BS.5

Pyle PLE550BS.5 5-Band Car Audio Equalizer Instruction Manual

Model: PLE550BS.5 | Brand: Pyle

1. INTRODUCTION AND OVERVIEW

The Pyle PLE550BS.5 is a 5-band graphic equalizer designed to enhance car audio systems. It features precise tone adjustments, a low-pass filter for subwoofer control, and integrated Bluetooth connectivity for wireless audio streaming. Multiple input options, including auxiliary stereo RCA inputs, allow for versatile source connections. The unit also includes a fader function for front and rear channel balancing and a master system volume control.

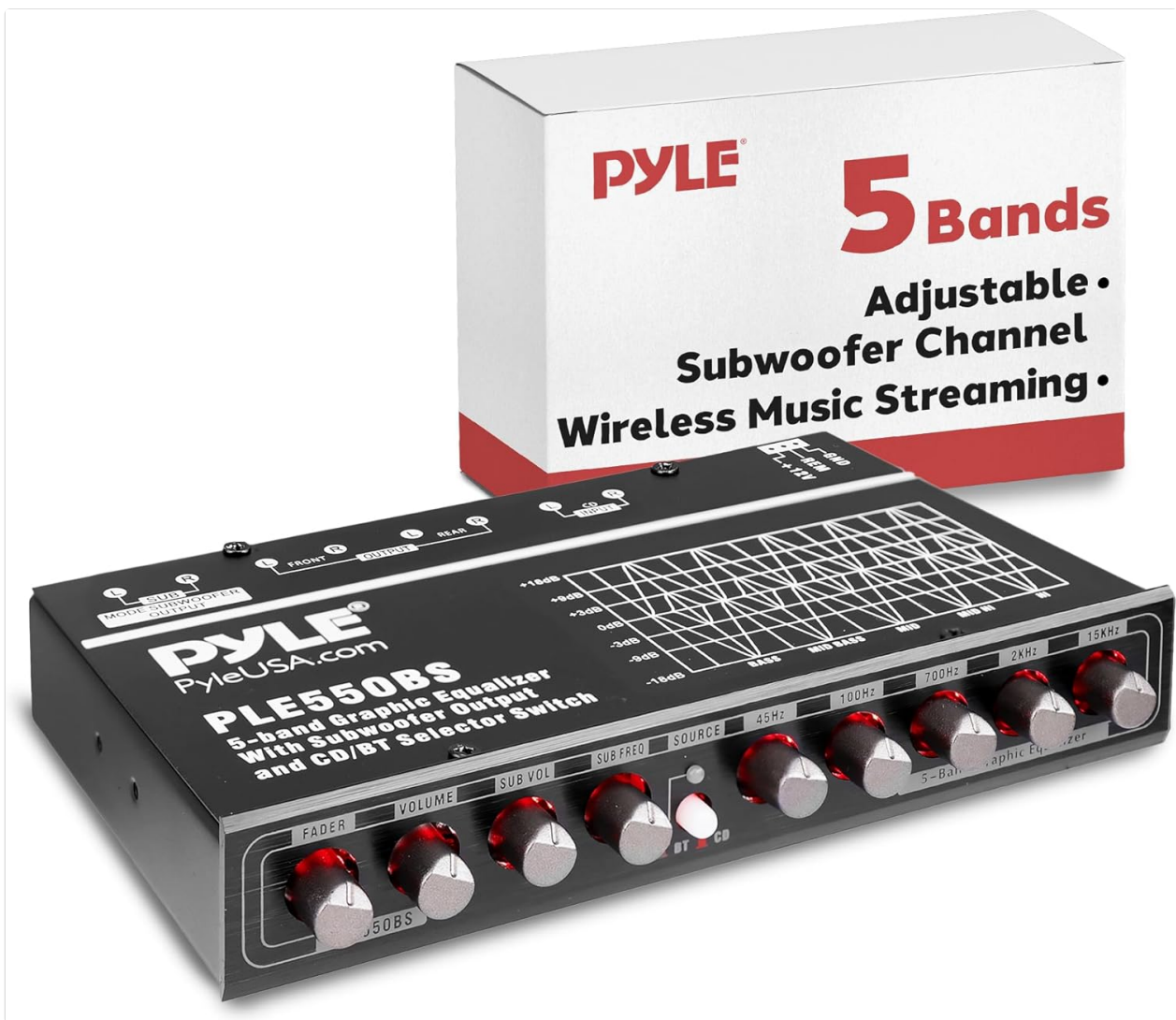


Image 1.1: The Pyle PLE550BS.5 5-Band Car Audio Equalizer, showcasing its front panel controls and overall design.

2. WHAT'S IN THE BOX

Verify that all components are present in the packaging:

- Pyle PLE550BS.5 Equalizer Unit
- Mounting Bracket
- Screws
- Power Plug



Image 2.1: Illustration of the Pyle PLE550BS.5 equalizer and its included accessories: mounting bracket, screws, and power plug.

3. PRODUCT FEATURES

- **5-Band Graphic Equalizer:** Offers comprehensive tone adjustments with a tone range adjustable from -12dB to +12dB across low, mid, and high frequencies.
- **Wireless Bluetooth Streaming:** Built-in Bluetooth connectivity for effortless music streaming. A blue LED indicator confirms successful device pairing.
- **Low Bass Filter:** Equipped with an adjustable low bass filter and a fader function for precise tuning of front and rear channels.
- **Subwoofer Volume Control:** Dedicated subwoofer volume control for fine-tuning bass output.
- **Multiple Input Options:** Includes auxiliary stereo RCA inputs for connecting MP3 players, DVDs, or phones, with an input selector for switching sources.
- **High-Fidelity Audio Performance:** Features a master system volume control for clear and crisp sound reproduction.
- **Compact Design:** Dimensions of 7" x 4.72" x 1.18" inches for easy integration into various audio setups.

4. CONTROLS AND FUNCTIONS

Familiarize yourself with the controls and connection points of the PLE550BS.5 equalizer.

Front Panel Controls:

- **FADER:** Adjusts the balance between front and rear audio channels.
- **VOLUME:** Master system volume control.
- **SUB VOL:** Controls the output level of the subwoofer channel.
- **SUB FREQ:** Adjusts the low-pass filter frequency for the subwoofer output.
- **SOURCE (BT/CD):** Selects between Bluetooth (BT) and CD/AUX input sources.
- **5-Band Graphic Equalizer Knobs (45Hz, 100Hz, 700Hz, 2KHz, 15KHz):** Adjusts the gain for specific frequency bands.
- **Bluetooth LED Indicator:** Illuminates blue when a Bluetooth device is connected.



Image 4.1: Detailed view of the front panel controls, including fader, volume, subwoofer controls, source selector, and the 5-band graphic equalizer knobs. The rear panel shows power, CD input, RCA outputs, and subwoofer output.

Rear Panel Connections:

- **Power Input:** Connection for the included power plug (GND, +12V, REM).
- **CD Input (RCA):** Stereo RCA inputs for external audio sources like CD players or auxiliary devices.
- **RCA Output (Front/Rear):** Stereo RCA outputs for connecting to an amplifier's front and rear channels.
- **Subwoofer Output (RCA):** Dedicated RCA output for connecting to a subwoofer amplifier.

5. SETUP AND INSTALLATION

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

Mounting the Equalizer:

1. Choose a suitable location in your vehicle that allows for easy access to controls and proper ventilation.
2. Use the provided mounting bracket as a template to mark drilling locations.
3. Drill pilot holes and secure the bracket using the supplied screws.
4. Attach the equalizer unit to the mounted bracket.

Wiring Connections:

1. **Power Connection:**
 - Connect the **GND** wire to a clean chassis ground point in your vehicle.
 - Connect the **+12V** wire to a constant +12V power source (e.g., battery).
 - Connect the **REM** (Remote) wire to the remote turn-on output of your head unit or ignition switch.
2. **Input Connections:** Connect your head unit's RCA outputs to the **CD INPUT** on the equalizer. For auxiliary devices, use appropriate RCA cables.
3. **Output Connections:** Connect the **FRONT** and **REAR RCA OUTPUTS** of the equalizer to the corresponding inputs on your amplifier. Connect the **SUBWOOFER OUTPUT** to your subwoofer amplifier's input.

5 Bands Graphic Equalizer

with SUB Volume Adjustable for
Subwoofer Channel

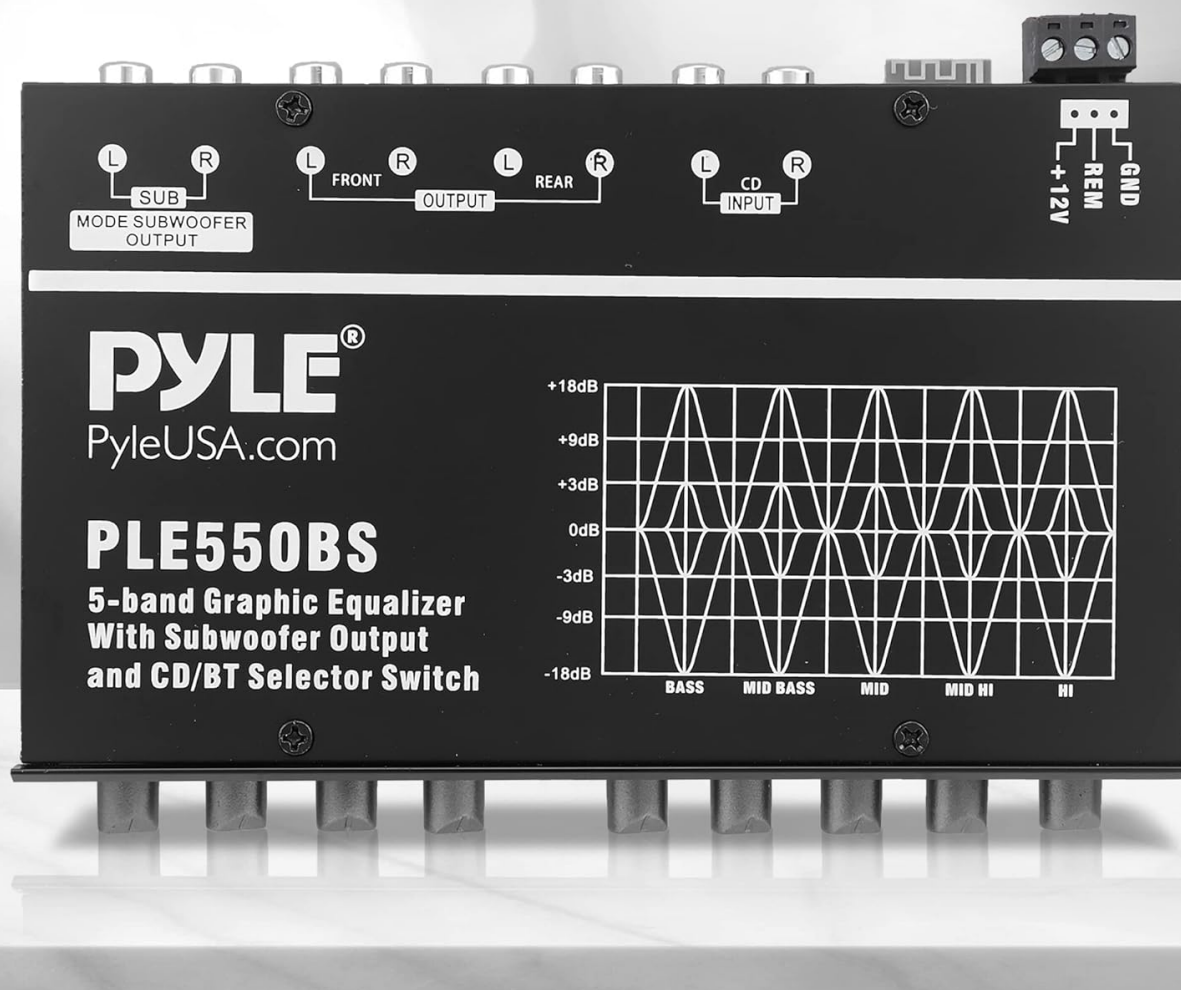


Image 5.1: Diagram illustrating the 5-band graphic equalizer frequency response and the rear panel wiring connections for power, inputs, and outputs.

6. OPERATING INSTRUCTIONS

Powering On/Off:

The equalizer will power on automatically when your vehicle's ignition or head unit is turned on, provided the REM wire is correctly connected.

Source Selection:

Use the **SOURCE** button (BT/CD) on the front panel to toggle between Bluetooth input and the wired CD/AUX input.

Bluetooth Pairing:

1. Ensure the equalizer is powered on and the source is set to BT.
2. On your mobile device, enable Bluetooth and search for available devices.
3. Select 'Pyle PLE550BS.5' (or similar name) from the list to pair.
4. The blue Bluetooth LED indicator on the equalizer will illuminate steadily once connected.

Built-in Bluetooth for Wireless Music Streaming

Compatible with All of Your favorite Bluetooth Devices



Image 6.1: Demonstrates Bluetooth wireless music streaming from a smartphone to the Pyle PLE550BS.5 equalizer, with the blue LED indicating connection.

Volume and Fader Control:

- Adjust the overall system volume using the **VOLUME** knob.
- Use the **FADER** knob to balance the audio output between your front and rear speakers.



Image 6.2: A hand adjusting the master volume knob on the Pyle PLE550BS.5 equalizer, integrated into a car dashboard.

Subwoofer Control:

- The **SUB VOL** knob controls the output level of your connected subwoofer.
- The **SUB FREQ** knob adjusts the low-pass filter, allowing you to set the upper frequency limit for the subwoofer.

SUB Volume Adjustable for Subwoofer Channel



Image 6.3: Close-up of the Pyle PLE550BS.5 showing the SUB VOL and SUB FREQ controls, with a visual representation of subwoofer speakers.

Graphic Equalizer Adjustment:

Use the five equalizer knobs (45Hz, 100Hz, 700Hz, 2KHz, 15KHz) to fine-tune the audio frequencies. Rotate clockwise to boost a frequency band and counter-clockwise to cut it. Adjust these to achieve your desired sound profile.

7. MAINTENANCE

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

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power	Incorrect power wiring (GND, +12V, REM). Blown fuse.	Check all power connections. Verify the fuse in the power line.
No Sound Output	Incorrect RCA connections. Source not selected. Volume too low.	Ensure RCA cables are securely connected. Select the correct input source. Increase master volume.
Poor Sound Quality / Distortion	Gain levels too high. Improper EQ settings. Ground loop noise.	Adjust gain levels on the equalizer and amplifier. Reset EQ settings to flat and adjust gradually. Check for proper grounding.
Bluetooth Not Connecting	Equalizer not in BT mode. Device not discoverable. Interference.	Ensure SOURCE is set to BT. Make sure your device's Bluetooth is on and discoverable. Try restarting both devices.

9. SPECIFICATIONS


- **Model:** PLE550BS.5
- **Dimensions (L x W x H):** 7" x 4.72" x 1.18" inches
- **Item Weight:** 1.55 pounds
- **Operating Voltage:** 11V-14.5V DC
- **Output Voltage:** 5V RMS @ 0.05% THD
- **Signal-to-Noise Ratio (SNR):** 100dB
- **Channel Separation:** >60dB
- **Equalization Bands:** 45Hz, 100Hz, 700Hz, 2KHz, 15KHz
- **Equalization Range:** -12dB to +12dB

10. WARRANTY AND SUPPORT

Pyle products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your purchase or visit the official Pyle website. For technical support or service inquiries, please contact Pyle customer service.

Pyle Official Website: www.pyleusa.com

Related Documents - PLE550BS.5

 <p>PYLE PyleUSA.com</p> <p>PLE550BS 5-Band Graphic Equalizer</p> <p>PLE770BS 7-Band Graphic Equalizer</p> <p>With Sub Volume Adjustment for Subwoofer Channel</p> <p>USER GUIDE</p>	<p>Pyle PLE550BS & PLE770BS Graphic Equalizer User Guide</p> <p>User guide for Pyle PLE550BS (5-band) and PLE770BS (7-band) graphic equalizers, detailing features, controls, functions, wiring diagrams, technical specifications, and safety precautions.</p>
 <p>PYLE PyleUSA.com</p> <p>PLBX8A 8" 600W Low-Profile Amplified Car Subwoofer</p> <p>USER MANUAL</p>	<p>Pyle PLBX8A 8" 600W Low-Profile Amplified Car Subwoofer User Manual</p> <p>User manual for the Pyle PLBX8A, an 8-inch, 600-watt low-profile active amplified car audio subwoofer system designed for under-seat installations. Features include installation guide, control panel details, wiring instructions, troubleshooting tips, and technical specifications.</p>
 <p>PYLE PyleUSA.com</p> <p>PLXREQ710P 7-Band Parametric Equalizer with Subwoofer Gain Control</p> <p>USER GUIDE</p>	<p>Pyle PLXREQ710P 7-Band Parametric Equalizer User Manual</p> <p>User guide for the Pyle PLXREQ710P 7-Band Parametric Equalizer with Subwoofer Gain Control. Learn about its features, installation, operation, controls, troubleshooting, and technical specifications for enhancing your car audio system.</p>
 <p>PYLE PyleUSA.com</p> <p>PCA4BT Wireless BT Streaming Desktop Amplifier</p> <p>USER MANUAL</p>	<p>Pyle PCA4BT Wireless BT Streaming Desktop Amplifier User Manual</p> <p>User manual for the Pyle PCA4BT Wireless BT Streaming Desktop Amplifier. Provides detailed information on features, controls, safety instructions, connection diagrams, and technical specifications for this compact audio receiver amplifier.</p>
 <p>PYLE PyleUSA.com</p> <p>PTA44BT 4-Channel Audio Amplifier</p> <p>Multi-Source 1/4" Audio/Microphone inputs MP3/USB/SD Reader/FM radio Built-in Wireless BT Audio Streaming (500 Watts)</p> <p>USER MANUAL</p>	<p>Pyle PTA44BT 4-Channel Audio Amplifier User Manual</p> <p>User manual for the Pyle PTA44BT 4-Channel Audio Amplifier, a 500 Watt, 4-channel device with multi-source inputs including 1/4" audio/microphone, MP3/USB/SD readers, FM radio, and built-in Bluetooth audio streaming. This guide covers safety precautions, front and back panel controls, connectivity options, Bluetooth pairing, technical specifications, and remote control functions.</p>
 <p>PYLE PyleUSA.com</p> <p>PTA4 2-Channel Mini Stereo Power Amplifier</p> <p>2x120Watt with AUX, CD, MIC Inputs</p> <p>USER MANUAL</p>	<p>Pyle PTA4 2-Channel Mini Stereo Power Amplifier User Manual 2x120W with AUX, CD, Mic Inputs</p> <p>Comprehensive user manual for the Pyle PTA4 2-Channel Mini Stereo Power Amplifier. Details features, controls, safety instructions, connection diagram, and technical specifications for this 2x120 Watt audio amplifier suitable for home, office, and small venues.</p>