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Pyle PLBX8A

Pyle PLBX8A 8-Inch Low-Profile Amplified Subwoofer System User Manual

Model: PLBX8A

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Pyle PLBX8A 8-Inch Low-Profile Amplified Subwoofer System. Designed for under-seat installations, this compact unit delivers enhanced bass performance for your vehicle's audio system. Please read this manual thoroughly before use to ensure proper setup and to maximize your listening experience.



Image: Pyle PLBX8A 8-Inch Low-Profile Amplified Subwoofer System, showcasing its compact design.

WHAT'S IN THE BOX

Carefully unpack the contents and ensure all items are present:

- Amplified Subwoofer (PLBX8A unit)
- Remote Subwoofer Level Control
- Remote Subwoofer Control Cable
- Hi-level Input Wire
- Mounting Hardware

What's *in the* BOX?



Image: All components included in the Pyle PLBX8A package, laid out for inspection.

Your browser does not support the video tag.

Video: An unboxing video demonstrating the contents of the Pyle PLBX8A package.

FEATURES

- **8" Slim Woofer:** Designed for compact spaces.
- **Integrated Amplifier:** Built-in amplifier for powerful bass output.
- **Low-Level RCA Input:** For connecting to head units with RCA outputs.
- **High-Level Speaker Line Input:** For connecting to head units without RCA outputs.
- **Blue LED Power Status Indicator:** Indicates when the unit is powered on.
- **Red LED Protection Status Indicator:** Illuminates when protection circuits are active.
- **Remote Bass Boost Level Control:** Allows for convenient bass adjustment.
- **Delay Remote Turn-On:** Ensures smooth power-up sequence.
- **Thermal, Short, and Overload Protection Circuits:** Safeguards the unit from damage.

- **Phase Shift Switch (0 or 180°):** For optimal sound alignment.
- **Adjustable Input Sensitivity (0.12V-3.5V):** Matches various audio source outputs.
- **Variable Bass Boost (0 to +12dB @50Hz):** Customizable bass enhancement.
- **Low Pass Filter (50-150 Hz):** Filters out high frequencies for dedicated bass reproduction.



Image: The Pyle PLBX8A subwoofer, emphasizing its advanced sound features and protection mechanisms.

CONTROL PANEL AND CONNECTIONS

Familiarize yourself with the control panel for proper setup and adjustment.

Control Panel

and Features

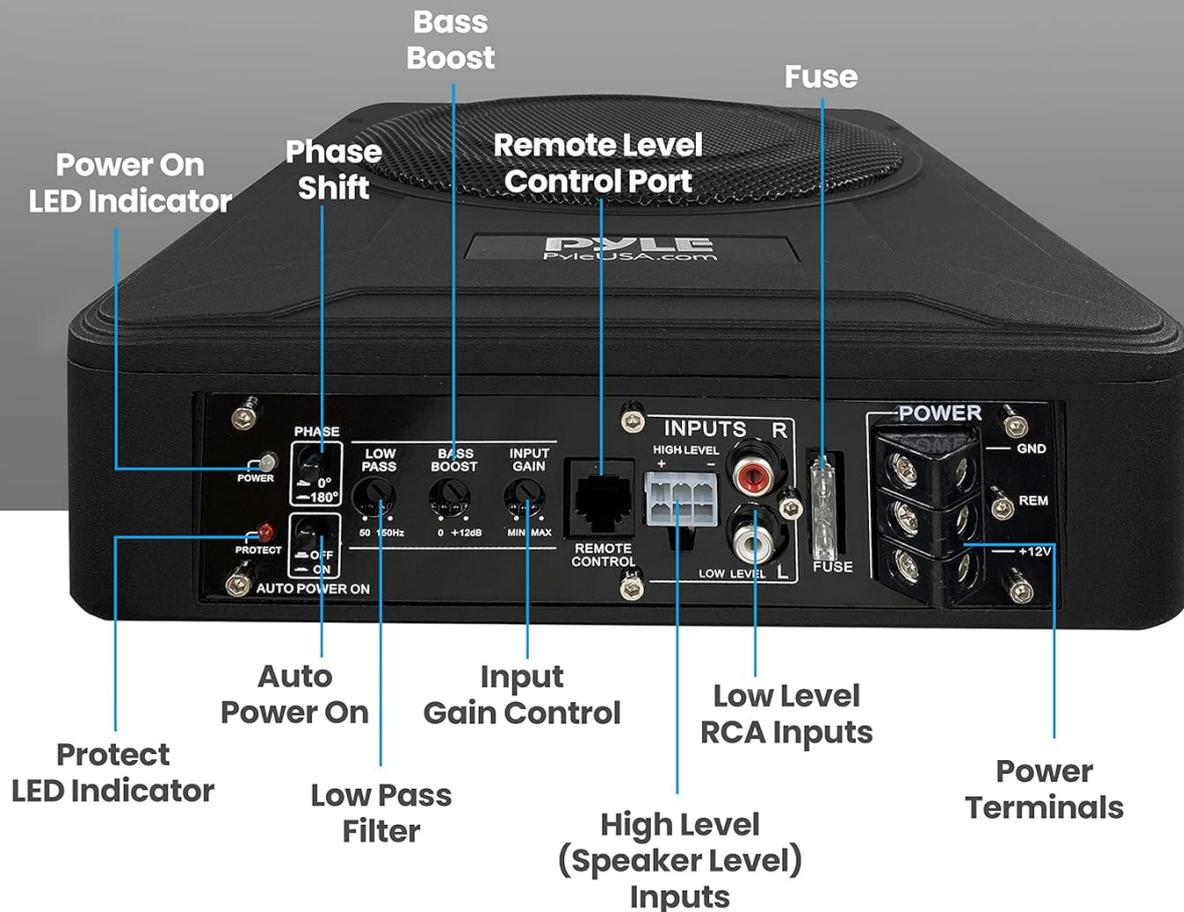


Image: A clear diagram of the subwoofer's control panel, indicating the location and function of each input, output, and adjustment knob.

Key Controls:

- **Phase Shift Switch (0°/180°):** Adjusts the phase of the subwoofer output to match the main speakers, preventing cancellation and improving bass response.
- **Low Pass Filter (LPF):** A variable control (50-150 Hz) that allows you to set the upper frequency limit for the subwoofer. Frequencies above this setting will be filtered out.
- **Bass Boost:** Provides an adjustable bass enhancement (0 to +12dB) at 50Hz for deeper low-frequency impact.
- **Input Gain Control:** Adjusts the input sensitivity (0.12V-3.5V) to match the output level of your head unit.
- **Auto Power On Switch:** Enables the subwoofer to turn on automatically when an audio signal is detected.
- **Power On LED Indicator (Blue):** Lights up when the subwoofer is receiving power and operating normally.
- **Protect LED Indicator (Red):** Illuminates if the protection circuit is activated due to thermal overload, short circuit, or other issues.

Input Connections:

- **Low-Level RCA Inputs (L/R):** These are the recommended inputs if your head unit or signal source has RCA outputs. Connect the RCA cables from your head unit's subwoofer or full-range outputs to these inputs.

- **High-Level Speaker Line Input:** If your head unit lacks RCA outputs, use the supplied Hi-level Input Wire to connect directly to your vehicle's speaker wires. Ensure correct polarity.
- **Remote Level Control Port:** Connect the remote subwoofer level control cable here for convenient bass adjustment from the driver's seat.

Power Connections:

- **+12V (Power):** Connect to the positive terminal of your vehicle's battery using appropriate gauge wire (refer to installation guidelines for wire gauge recommendations).
- **REM (Remote Turn-On):** Connect to your head unit's remote turn-on output. This signal tells the subwoofer to turn on and off with your car's audio system.
- **GND (Ground):** Connect to a solid, unpainted metal point on your vehicle's chassis. Ensure a good electrical connection.
- **Fuse:** The unit includes a 1x25A fuse for protection. Do not replace with a fuse of a different rating.

INSTALLATION

The Pyle PLBX8A is designed for low-profile installation, typically under a vehicle seat. Proper installation is crucial for performance and safety. If you are unsure about any steps, consult a professional car audio installer.

Placement:

- Identify a suitable location, such as under the driver's or passenger's seat, ensuring adequate clearance and ventilation.
- Avoid placing the unit where it might interfere with vehicle controls or passenger movement.
- Ensure the chosen location is dry and free from excessive heat or direct sunlight.

Fits Under Most
Vehicle Seats



Image: The Pyle PLBX8A subwoofer discreetly placed under a car seat, demonstrating its low-profile design.

Mounting:

- Use the provided mounting hardware to secure the subwoofer firmly to the vehicle's floor or a stable surface.
- Mark the mounting points, drill pilot holes if necessary, and attach the unit using screws and brackets.
- Ensure the mounting is secure to prevent movement during vehicle operation.



Image: A hand guiding the Pyle PLBX8A subwoofer into its under-seat mounting position, illustrating the ease of installation.

Wiring:

- **Power Wire:** Connect the +12V terminal to the positive terminal of the car battery. It is recommended to use an 8-gauge wire or thicker for this connection, with an in-line fuse (not supplied) near the battery.
- **Ground Wire:** Connect the GND terminal to a clean, unpainted metal surface on the vehicle chassis. The ground wire should be as short as possible.
- **Remote Turn-On Wire:** Connect the REM terminal to the remote output of your head unit. If your head unit does not have a remote output, you can use the Auto Power On feature.
- **Audio Input:** Choose between Low-Level RCA Inputs or High-Level Speaker Line Input based on your head unit's outputs. Ensure all connections are secure and correctly polarized.

OPERATION

Once installed, adjust the subwoofer settings for optimal audio performance.

Initial Setup:

1. Turn on your car's audio system. The blue Power LED on the subwoofer should illuminate.
2. Start with the Input Gain Control set to minimum.
3. Set the Low Pass Filter (LPF) to a starting point, typically around 80-100 Hz.
4. Set the Bass Boost to 0dB (minimum).
5. Adjust the Phase Shift switch (0° or 180°) to the position that provides the most impactful and coherent bass.

Fine-Tuning:

- Gradually increase the Input Gain Control until the subwoofer output blends well with your main speakers without distortion.
- Adjust the Low Pass Filter to fine-tune the crossover point, ensuring a smooth transition between the subwoofer and your main speakers.
- Use the Bass Boost control to add more low-end emphasis if desired. Use sparingly to avoid distortion.
- The Remote Subwoofer Level Control allows you to adjust the bass output conveniently while driving.

**MAX
POWER**

600 WATTS



Low Pass Filter: 50-150 Hz
Input Sensitivity: 0.12V-3.5V

Image: Close-up of the Pyle PLB8A's adjustable input sensitivity and low pass filter settings, crucial for sound customization.

MAINTENANCE

The Pyle PLBX8A is designed for durability and requires minimal maintenance. Follow these guidelines to ensure long-lasting performance:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using harsh chemicals or abrasive cleaners.
- **Ventilation:** Ensure that the subwoofer's vents are not obstructed to allow for proper heat dissipation.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Fuse Replacement:** If the fuse blows, replace it only with a fuse of the same type and rating (1x25A). Using an incorrect fuse can damage the unit or create a fire hazard.

TROUBLESHOOTING

If you experience issues with your Pyle PLBX8A subwoofer, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|-------------------------|--|--|
| No Power (Blue LED Off) | <ul style="list-style-type: none">◦ Blown fuse◦ Loose power or ground connection◦ No remote turn-on signal | <ul style="list-style-type: none">◦ Check and replace fuse (1x25A)◦ Verify all power, ground, and remote connections are secure◦ Ensure head unit's remote output is active or use Auto Power On |
| No Sound Output | <ul style="list-style-type: none">◦ Input gain too low◦ Incorrect audio input connection◦ Head unit settings | <ul style="list-style-type: none">◦ Increase Input Gain Control◦ Check RCA or High-Level input connections for proper polarity and security◦ Verify head unit's subwoofer output is enabled and volume is up |
| Distorted Sound | <ul style="list-style-type: none">◦ Input gain too high◦ Bass Boost too high◦ Incorrect LPF setting | <ul style="list-style-type: none">◦ Reduce Input Gain Control◦ Lower Bass Boost setting◦ Adjust LPF to filter out unwanted frequencies |
| Red Protection LED On | <ul style="list-style-type: none">◦ Thermal overload◦ Short circuit in speaker wiring◦ Overload condition | <ul style="list-style-type: none">◦ Allow unit to cool down. Ensure adequate ventilation.◦ Check speaker wiring for shorts.◦ Reduce volume or gain settings. Verify proper impedance. |

SPECIFICATIONS

| Feature | Specification |
|--------------|---------------|
| Model | PLBX8A |
| Speaker Size | 8 Inches |

| Feature | Specification |
|-------------------------|---|
| Max Power Output | 600 Watts |
| RMS Power (Amplifier) | 90 Watts @ 4 ohm 1% THD: 14.4V |
| RMS Power (Slim Woofer) | 100 Watts |
| Impedance | 4 Ohms |
| Frequency Response | 20 KHz <i>(Note: This value is from product specifications. Subwoofers typically operate at lower frequencies.)</i> |
| Low Pass Filter | 50-150 Hz |
| Bass Boost | 0 to +12dB (@50Hz) |
| Input Sensitivity | 0.12V-3.5V |
| Phase Shift Switch | 0 or 180° |
| Fuse | 1x25A |
| Dimensions (D x W x H) | 3"D x 9.5"W x 12.8"H (12.8" x 9.5" x 3" -inches) |
| Weight | 4.37 Kilograms (10.71 lbs) |
| Mounting Type | Under-seat mounting |
| Connectivity Technology | RCA, Wired |
| Control Method | Remote Control |

DIMENSION

12.8" x 9.5" x 3" -inches



9.5"

12.8"



Subwoofer Level Control

Product Weight: **10.7 lbs.**

Image: The Pyle PLBX8A subwoofer with its compact dimensions clearly marked, highlighting its suitability for under-seat installation.

WARRANTY AND SUPPORT

Your Pyle PLBX8A 8-Inch Low-Profile Amplified Subwoofer System comes with a **Limited Warranty**.

For specific warranty details, claims, or technical support, please refer to the warranty card included in your product packaging or visit the official Pyle website. You can also contact Pyle customer service directly for assistance with any product-related inquiries.

Pyle Official Website: www.pyleusa.com