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litillbuly 2025

litillbuly 10 Inch 800W Car Subwoofer Instruction Manual

Model: 2025

Introduction Product Overview Setup & Installation Operating Instructions Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your litillbuly 10 Inch 800W Car Subwoofer. Designed to enhance your car's audio system with deep, rich bass, this slim, powered subwoofer is suitable for various vehicle types. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. Product Overview

The litillbuly 10 Inch 800W Car Subwoofer is an active subwoofer designed to deliver powerful low-frequency sound. Its ultra-thin design allows for flexible placement options within your vehicle.

Key Features:

- **Enhanced Bass Response:** Specifically designed to reproduce low-frequency sounds, adding depth and richness to your music.
- **800W Peak Power:** Capable of handling extreme bass without clipping, thanks to an efficient Class D amplifier and oversized voice coil design.
- **Slim Design:** Only 3.54 inches (90mm) thick, allowing for discreet placement under most car or truck seats.
- **Durable Construction:** Features a cast aluminum shell for superior heat dissipation, improving cooling efficiency by three times compared to traditional iron shells.
- **High/Low Level Inputs:** Supports both High and Low Level RCA Inputs, ensuring compatibility with a wide range of car stereo audio systems and head units.
- **Smart Digital Signal Processor:** Prevents overheating and automatically adjusts gain to avoid shutdowns.
- **Remote Control:** Includes a wired remote control for easy adjustment of gain, bass boost, and crossover settings.
- **Automatic Turn-On Technology:** Simplifies integration with your car's audio system.
- **Protection Circuitry:** Equipped with thermal protection, short circuit protection, and overload protection.

What's in the Box:

- Car Subwoofer
- Audio Cable (RCA)
- Power Cables (with built-in fuse)
- Volume Controller (Wired Remote)
- High to Low Level Converter (Wiring Harness)
- Control Line (Remote Turn-On Wire)
- Ground Wire
- Wiring Lugs
- Mounting Brackets and Screws
- User Guide (this manual)



Figure 2.1: Contents of the litillbuly 10 Inch 800W Car Subwoofer package, including the subwoofer unit, various cables (audio, power, control, ground), a wired remote volume controller, a high-to-low level converter, wiring lugs, mounting brackets, and the user guide.

3. Setup & Installation

Proper installation is crucial for optimal performance and safety. If you are unsure about any steps, consult a professional car audio installer.

3.1 Choosing a Mounting Location:

The slim design of this subwoofer allows for versatile placement. Common locations include:

- Under a car or truck seat.
- In the vehicle's trunk.

Ensure the chosen location provides adequate ventilation and does not obstruct vehicle controls or passenger movement. The subwoofer should be securely mounted to prevent movement during driving.



Figure 3.1: The litillbuly subwoofer's slim profile allows it to fit discreetly under most vehicle seats, minimizing intrusion into cabin space.



Figure 3.2: The subwoofer can also be placed in the vehicle's trunk, offering another flexible installation option.

Your browser does not support the video tag.

Video 3.1: This video demonstrates the compact size of the litillbuly 10-inch subwoofer and its potential for under-seat placement in a vehicle, highlighting its discreet integration.

3.2 Wiring Connections:

The subwoofer supports both high-level and low-level inputs. Do not connect both simultaneously.

- **Power Connection:** Connect the red power cable (with the built-in fuse) to the vehicle's battery. Ensure a secure connection.
- **Ground Connection:** Connect the brown ground wire to a clean, unpainted metal surface on the vehicle's chassis.
- **Remote Turn-On:** Connect the blue control line to your head unit's remote output. This allows the subwoofer to turn on and off with your stereo.
- **Input Signal:**

- **Low-Level Input (RCA):** Use the provided RCA cables to connect to your head unit's RCA pre-outs.
- **High-Level Input (Speaker Level):** If your head unit does not have RCA outputs, use the high-level input harness. Connect the speaker wires from your head unit to the corresponding wires on the harness (White L+, Gray R+, L-Black, R-Black).



Figure 3.3: Detailed diagram illustrating both low-level (RCA) and high-level input wiring options. Note: Do not use both input types simultaneously.



Figure 3.4: Example installation diagram showing how to connect the subwoofer to an Android market radio, including power, ground, remote, and RCA connections.

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Video 3.2: This video provides a general overview of the 800W Car Subwoofer, showcasing its features and potential installation in a classic car, including connections to a stock radio.

4. Operating Instructions

Once installed, you can adjust the subwoofer's settings to match your audio preferences.

4.1 Controls on the Subwoofer Unit:

- **Phase Switch (0°/180°):** Adjusts the phase of the subwoofer output to match the main speakers, ensuring optimal bass integration.
- **Low Pass Filter (50Hz-150Hz):** Controls the upper frequency limit of the subwoofer, allowing only frequencies below the set point to pass through.
- **Bass Boost (0-24dB):** Increases the intensity of bass frequencies. Use sparingly to avoid distortion.
- **Gain Input (Min-Max):** Matches the input sensitivity of the subwoofer to the output level of your head unit. Start at minimum and slowly increase until desired volume is achieved without distortion.

Figure 4.1: Illustration of the subwoofer's control panel, detailing the functions of the Phase, Low Pass, Bass Boost, and Gain Input knobs.

4.2 Wired Remote Control:

The included wired remote control allows for convenient adjustment of the subwoofer's volume (bass level) from the driver's seat without affecting the main stereo volume.



Figure 4.2: The wired remote control allows for easy adjustment of bass levels, typically installed within reach of the driver, such as under the steering wheel.

5. Maintenance

To ensure the longevity and optimal performance of your litillbuly subwoofer, follow these simple maintenance guidelines:

- **Cleaning:** Regularly wipe the exterior of the subwoofer with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Ventilation:** Ensure that the subwoofer's heat sink and ventilation areas are not obstructed. Proper airflow is essential for heat dissipation.
- **Connections:** Periodically check all wiring connections (power, ground, signal) to ensure they are secure and free from corrosion. Loose connections can lead to poor performance or damage.
- **Environmental Conditions:** Avoid exposing the subwoofer to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture. While the unit features a durable aluminum casing, it is not waterproof.

6. Troubleshooting

If you encounter issues with your subwoofer, refer to the following troubleshooting guide before seeking professional assistance.



Figure 6.1: A visual troubleshooting guide addressing common issues such as the amplifier not starting, no output, low power output, distortion, and engine noise.

Common Issues and Solutions:

1. **The amplifier cannot be started:**
    - Check whether the ground wire of the power amplifier is well-connected.
    - Check if the positive voltage of the battery is on the positive terminal of the power amplifier.
    - Check that the REMOTE voltage is not lower than 5VDC.
    - Check that the positive voltage of the power terminal is not lower than +12V.
    - Check for damaged fuses.
    - Confirm the protection indicator; if the indicator is on, restart the amplifier.
2. **The protection indicator light is on after the amplifier starts:**
    - Check the speaker terminals for a short circuit.
    - Turn down the volume potentiometer for overload protection.
    - Remove the horn connecting line and restart the amplifier.
3. **No output:**
    - Check for damaged fuses.
    - Check that the amplifier is properly grounded.
    - Amplifier startup voltage should not be lower than 5VDC.
    - Check that the RCA audio cable or high-frequency input cable is properly connected to the amplifier.
    - Check if the speaker cable is well connected.
4. **Low power output:**
    - Reset the volume potentiometer.
    - Check that the filter potentiometer is in the correct position.
5. **There are whistles:**
    - Check if the RCA ground wire is connected.
6. **Low power output (continued):**
    - Disconnect the signal input line of the power amplifier; if the noise disappears, there is a problem with the signal source. At this point, it is necessary to confirm whether the signal line is well connected or whether the

quality of the signal line is faulty, otherwise the host may have problems.
    - Turn the volume potentiometer of the power amplifier as low as possible, and turn up the volume of the host as much as possible (do not distort).
7. **Distortion:**
    - Check whether the size of the power amplifier volume potentiometer is appropriate.
    - Check the size of the filter potentiometer.
8. **Power amplifier is overheating:**
    - Check if the speaker impedance is lower than the indicated impedance of the amplifier.
    - Check that the installation location of the amplifier provides adequate ventilation.
9. **Engine noise:**
    - Check if the RCA signal line is not connected to the chassis.
    - Check that the host is properly grounded.

7. Specifications

Feature	Specification
Brand	litillbuly
Model Name	2025
Speaker Type	Subwoofer
Speaker Size	14 Inches (overall unit)
Woofer Diameter	10.2 Inches
Speaker Maximum Output Power	1200 Watts (Peak)
Frequency Response	20Hz-150Hz
Input Voltage	12 Volts
Mounting Type	Under Seat Mount
Material	Aluminum
Color	Black
Item Weight	10.82 pounds (4.92 Kilograms)
Package Dimensions	16.1 x 13.15 x 5.12 inches
Connectivity Technology	RCA
Control Method	Remote
Recommended Uses	For cars or trucks, In-car audio systems
Compatible Devices	Car's built-in audio system, Smartphone, Tablet
Warranty Type	Limited

8. Warranty & Support

Your litillbuly 10 Inch 800W Car Subwoofer comes with a**2-year warranty**. This warranty covers manufacturing defects and ensures the durability and high performance of the product.
For any issues encountered during use, our professional customer service team is available to provide support and ensure a satisfactory experience. Please refer to your purchase documentation for specific contact information or visit the official litillbuly store on Amazon for assistance.
Additional protection plans may be available for purchase:

- 2-Year Protection Plan
- 3-Year Protection Plan
- Complete Protect (monthly plan covering eligible past and future purchases)

These plans offer extended coverage beyond the standard manufacturer's warranty. Please check the product listing or contact your retailer for details on purchasing these additional plans.

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