

## litillbuly SUB104

# litillbuly SUB104 10-Inch 1200W Slim Under Seat Car Subwoofer Instruction Manual

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your litillbuly SUB104 10-inch 1200W Slim Under Seat Car Subwoofer. Please read this manual thoroughly before use to ensure proper functionality and safety. Keep this manual for future reference.

## 2. SAFETY INFORMATION

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- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Mount the subwoofer securely to prevent movement during vehicle operation.
- Avoid installing the subwoofer in locations that obstruct airbags or vehicle controls.
- Do not expose the subwoofer to excessive moisture or extreme temperatures.
- If you are unsure about any installation steps, consult a professional car audio technician.

## 3. PRODUCT OVERVIEW

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The litillbuly SUB104 is a compact, powered 10-inch subwoofer designed to deliver enhanced bass performance in vehicles without occupying significant space. Its slim profile allows for discreet installation under car seats or in other confined areas. The unit features a built-in amplifier, adjustable controls, and versatile input options for compatibility with various car audio systems.



Figure 3.1: Front view of the litillbully SUB104 subwoofer.

Video 3.1: This video illustrates the powerful bass output of the subwoofer, showing a glass of water vibrating on the speaker cone and an eraser moving with heavy music. It also highlights the ultra-slim design and its discreet placement under a car seat.

## 4. FEATURES

- **Powerful 1200W Peak Bass:** Delivers deep, impactful bass from a compact enclosure.
- **Ultra-Slim 3-Inch Design:** Allows for flexible installation under car seats or in tight spaces.
- **Advanced Cast Aluminum Shell:** Provides superior heat dissipation compared to traditional iron shells, ensuring stable performance.
- **Pro-Level Sound Customization:** Includes a remote control for adjusting gain, bass boost, and crossover settings.
- **Dual High/Low-Level Inputs:** Compatible with both factory and aftermarket car stereos (0.12V-3.5V adjustable).

- **Studio-Quality Frequency Response:** 20Hz-150Hz range for accurate reproduction of low frequencies without distortion.
- **Rugged Polypropylene Cone:** Designed to handle high volumes and extreme conditions.
- **Sleek & Durable Build:** Matte black enclosure resists scratches and fingerprints, with a vibration-resistant structure.

## 5. PACKAGE CONTENTS

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Verify that all items are present in the package:

- litillbuly SUB104 Car Subwoofer with Built-in Amplifier
- Power Supply Cable (Red) with In-line Fuse Holder
- Ground Wire (Black)
- Remote Turn-On Control Cable (Blue)
- RCA Audio Cable (Blue)
- High-Level Input Harness
- Remote Bass Level Controller
- Mounting Brackets and Screws
- User Guide (this manual)

# Accessories

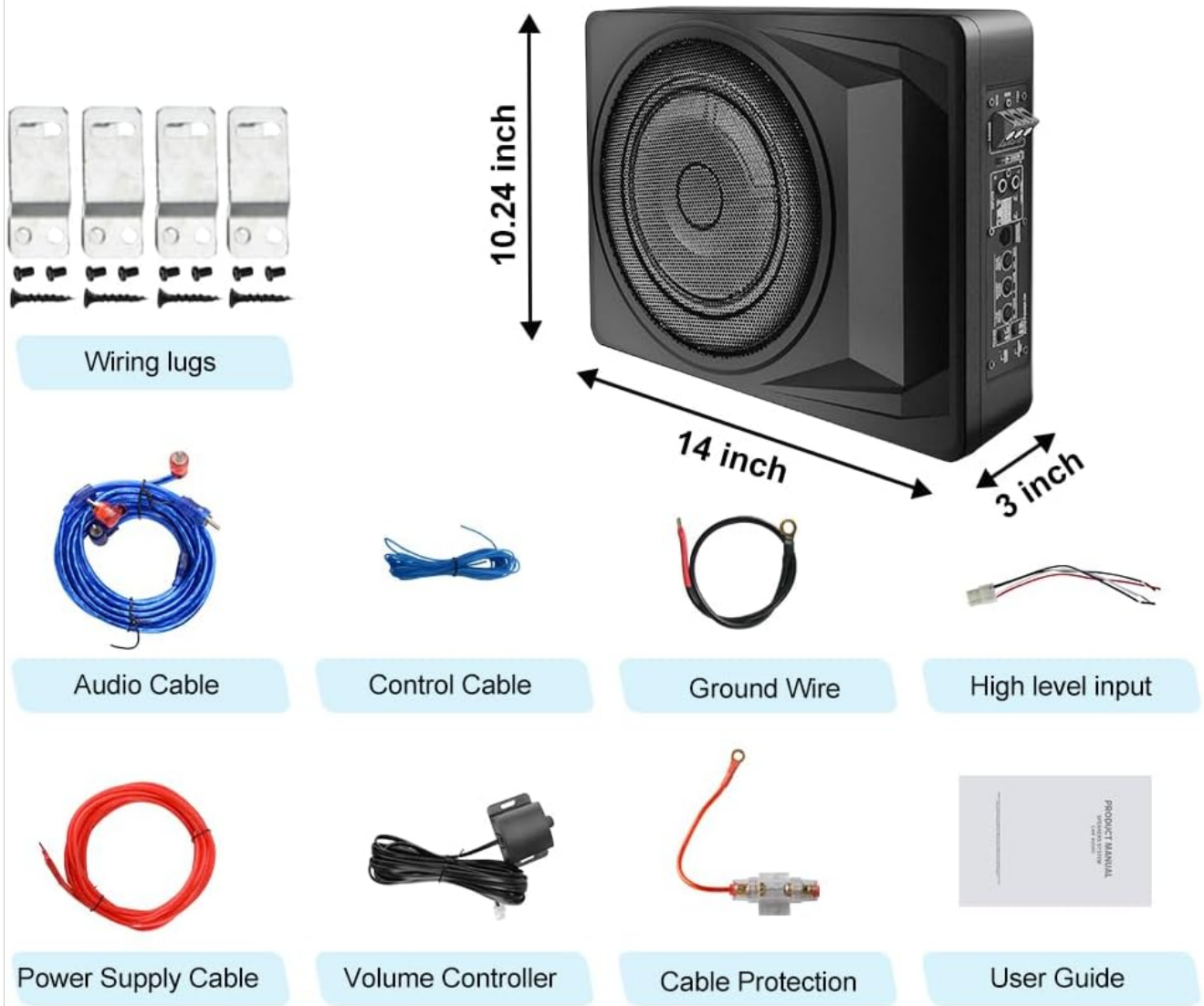


Figure 5.1: All accessories included with your litillbully SUB104 subwoofer.

## 6. SETUP & INSTALLATION

Follow these steps for proper installation. Ensure the vehicle's battery is disconnected before starting.

### 6.1. Mounting the Subwoofer

The slim design allows for versatile placement. Common locations include under the front seats or in the trunk.



*Figure 6.1: Subwoofer installed under a car seat.*



*Figure 6.2: Subwoofer installed in a car trunk.*

## **6.2. Power Wiring**

1. Connect the red power cable (with in-line fuse holder) to the positive terminal of your car battery.
2. Route the power cable safely through the firewall into the vehicle's cabin, avoiding sharp edges or moving parts.
3. Connect the black ground wire to a clean, unpainted metal surface on the vehicle's chassis. Ensure a good electrical connection.
4. Connect the blue remote turn-on cable to the remote output of your head unit. If your head unit does not have a remote output, you can use the high-level input's auto-turn-on feature (see section 6.3).

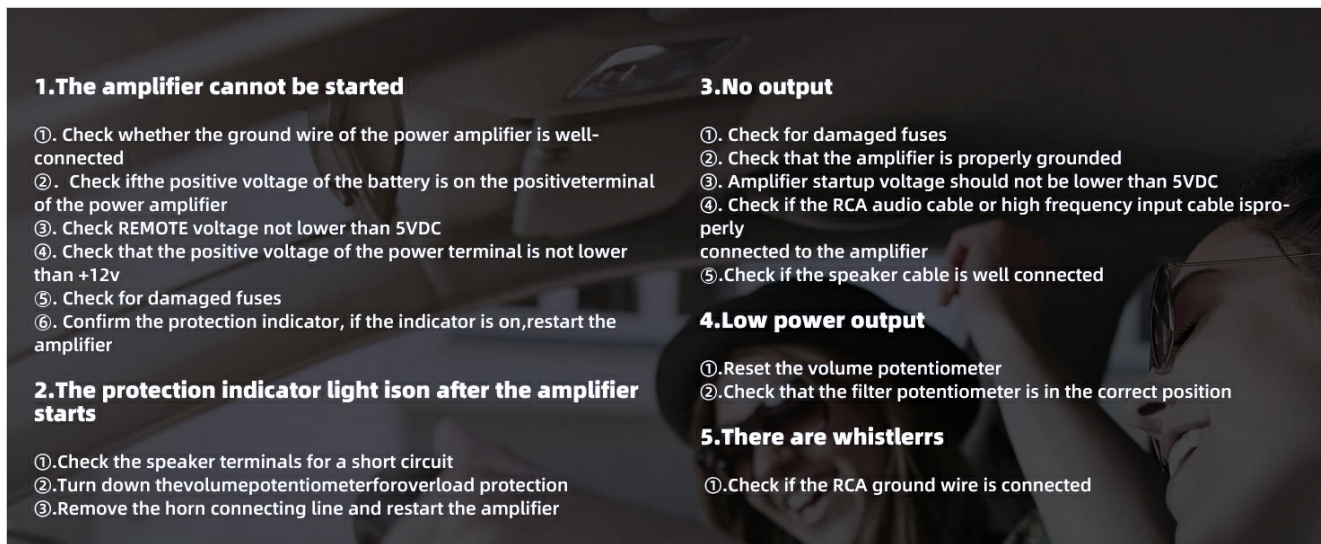


Figure 6.3: Power and remote wiring diagram.

### 6.3. Signal Input Wiring (RCA or High-Level)

Choose one of the following methods to connect the audio signal:

#### Option 1: Low-Level Input (RCA)

- If your head unit has RCA pre-outputs, connect the supplied RCA audio cable from the head unit's subwoofer output to the 'LOW LEVEL' inputs on the subwoofer.

#### Option 2: High-Level Input (Speaker Wires)

- If your head unit does not have RCA outputs, use the supplied high-level input harness. Connect the speaker wires from your head unit (or rear speakers) to the corresponding inputs on the harness.
- When using high-level inputs, the subwoofer's 'AUTO POWER ON' feature will detect the audio signal and turn the amplifier on automatically. Ensure the 'AUTO POWER ON' switch on the subwoofer is in the 'ON' position.

**NOTE: Do not connect BOTH the high-level and low-level inputs at the same time.**

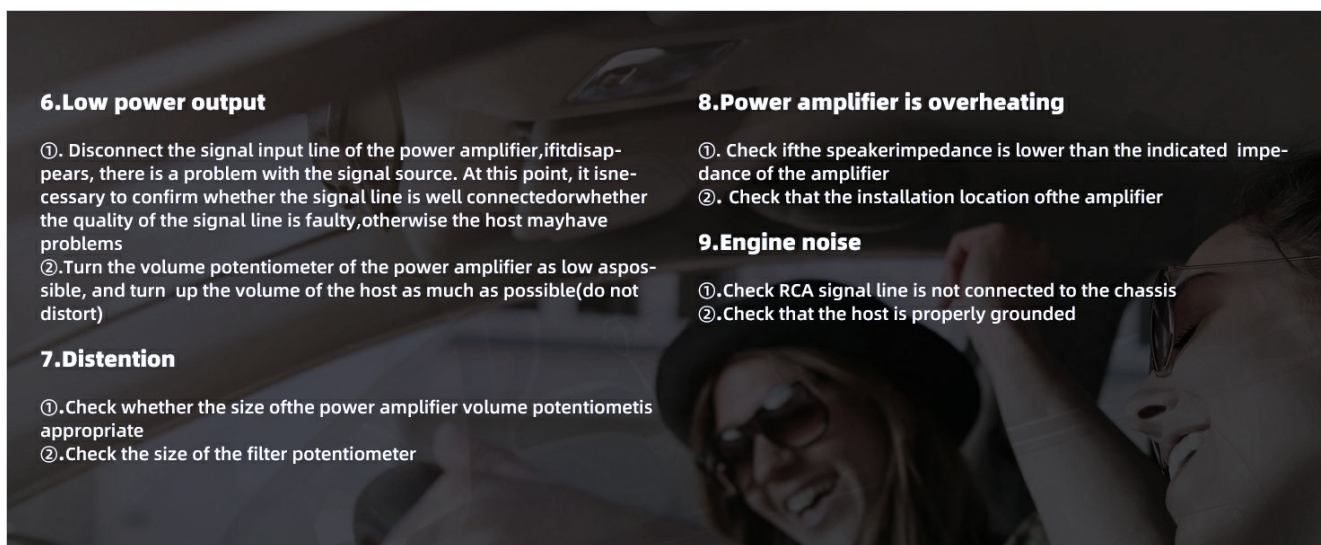


Figure 6.4: Low-level and high-level input wiring options.

### 6.4. Remote Bass Level Controller Installation

Install the remote bass level controller in an easily accessible location within the driver's reach, such as under the dashboard or in the center console. Connect the remote control cable to the 'REMOTE CONTROL' port on the

subwoofer.

## 7. OPERATING INSTRUCTIONS

Once installed, you can adjust the subwoofer's settings for optimal sound performance.

### 7.1. Control Panel Overview

# Can be seamlessly installed on 99% of the car

Under-Seat mount Car truck mount



- |  |                                    |
|--|------------------------------------|
| A. Power and protection indicator  | E. Bass potentiometer              |
| B. Phase transfer switch   | F. Volume potentiometer            |
| C. When the high level(H) is input,when the REM is not connected(way two), it acts as the power control switch ON/OFF to activate the subwoofer. | G. Remote Bass volume control port |
| D. Bass filter potentiometer   | H. High level input port           |
|  | I. Low level input port            |
|  | J. Fuse socket                     |
|  | K. Power Input Terminal            |

Figure 7.1: Subwoofer control panel with labeled components.

- Phase Switch (0°/180°):** Adjusts the phase of the subwoofer output to match the main speakers, preventing cancellation and improving bass impact. Experiment with both settings to find the best sound.
- Low Pass Filter (LPF) (50-150Hz):** Controls the upper frequency limit of the subwoofer. Set it to blend smoothly with your main speakers. A common starting point is 80-100Hz.
- Bass Boost (0-24dB):** Increases the bass output at a specific frequency. Use sparingly to avoid distortion.
- Gain Input (Min/Max):** Matches the output level of your head unit to the subwoofer. Start at minimum and slowly increase until the bass blends with your system without distortion.
- Remote Level Control:** The external remote knob allows for convenient adjustment of the subwoofer's output

level from the driver's seat.

## 8. MAINTENANCE

- Regularly check all wiring connections for tightness and corrosion.
- Keep the subwoofer clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Ensure adequate ventilation around the subwoofer to prevent overheating.
- Avoid placing heavy objects on the subwoofer.

## 9. TROUBLESHOOTING

If you experience operational problems with your subwoofer, refer to the table below for possible remedies.

| Symptom                                      | Possible Remedy   |
|--|---|
| Amplifier will not power up.                 | Check ground wire connection.<br>Verify +12V battery voltage.<br>Check REMOTE voltage (not lower than 5VDC).<br>Check for damaged fuses.<br>Confirm protection indicator is off; if on, restart amplifier.                            |
| Protection LED is on after amplifier starts. | Check speaker terminals for short circuit.<br>Turn down volume potentiometer for overload protection.<br>Remove horn connection line and restart amplifier.   |
| No output.                                   | Check for damaged fuses.<br>Ensure amplifier is properly grounded.<br>Amplifier startup voltage should not be lower than 5VDC.<br>Check RCA audio cable or high frequency input cable connection.<br>Verify speaker cable connection. |
| Low power output.                            | Reset the volume potentiometer.<br>Check that the filter potentiometer is in the correct position.  |
| Whistling noise.                             | Check if the RCA ground wire is connected.  |
| Distortion.                                  | Check if the power amplifier volume potentiometer is appropriate.<br>Check the size of the filter potentiometer.  |
| Power amplifier is overheating.              | Check if the speaker impedance is lower than the indicated impedance of the amplifier.<br>Check the installation location of the amplifier for adequate ventilation.  |
| Engine noise.                                | Check RCA signal line connection to the chassis.<br>Check that the head unit is properly grounded.  |

Figure 9.1: Troubleshooting guide for common issues.

## 10. SPECIFICATIONS

| Specification                | Value                                |
|------------------------------|--------------------------------------|
| Brand                        | litillbuly                           |
| Model Name                   | SUB104                               |
| Speaker Type                 | Subwoofer                            |
| Speaker Size                 | 10 Inches                            |
| Speaker Maximum Output Power | 1200 Watts                           |
| Frequency Response           | 20Hz-150Hz                           |
| Connectivity Technology      | RCA                                  |
| Product Dimensions           | 14" L x 10.2" W x 3" H (approximate) |
| Item Weight                  | 11.22 pounds                         |
| UPC                          | 735851447819                         |

## 11. WARRANTY AND SUPPORT

The litillbuly SUB104 subwoofer is backed by a **2-year warranty**. For any questions, troubleshooting assistance, or replacement needs, please contact our US-based support team. We aim to respond within 12 hours.

For further assistance, please visit the [litillbuly Store on Amazon](#).