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**LEIGESAUDIO LE-812SW**

# LEIGESAUDIO 800 Watt Compact Powered Subwoofer LE-812SW User Manual

Model: LE-812SW

Setup | Operating | Maintenance | Troubleshooting | Specifications | Warranty & Support

## 1. Setup and Installation

This section guides you through the initial setup and installation of your LEIGESAUDIO LE-812SW compact powered subwoofer. Proper installation ensures optimal performance and longevity of the unit.

### 1.1 Unboxing and Components

Carefully unpack all items from the box and ensure all components are present. Refer to the included user manual for a complete list of contents.




**Image:** The LEIGESAUDIO LE-812SW subwoofer and its included accessories, such as the wired remote, mounting brackets, and user manual.

## 1.2 Subwoofer Placement

The compact design of the LE-812SW allows for flexible placement in various vehicles. Common locations include under a seat, in a truck's trunk, or an SUV's hatch. Ensure the chosen location provides adequate ventilation and is free from obstructions.




**Image:** The LE-812SW subwoofer discreetly installed under a car seat, demonstrating its space-saving design.

### 1.3 Wiring Connections

Proper wiring is crucial for safety and performance. Connect the power, ground, remote turn-on, and audio input cables as described below. Always disconnect the vehicle's battery before starting any wiring work.

- **Power Connection:** Run an 8-gauge or thicker power wire directly from the vehicle's battery to the +12V DC terminal on the subwoofer. Install an in-line fuse (not included) near the battery.
- **Ground Connection:** Connect a short, heavy-gauge ground wire from the GND terminal on the subwoofer to a clean, unpainted metal surface on the vehicle's chassis.
- **Remote Turn-On:** Connect a remote turn-on wire from your head unit's remote output to the REM terminal on the subwoofer. This will turn the subwoofer on and off with your head unit.
- **Audio Input:** Use RCA cables to connect the head unit's subwoofer output (or full-range output with a line output converter) to the RCA INPUTS on the subwoofer. Alternatively, use the high-level inputs if your head unit does not have RCA outputs.




**Image:** Detailed view of the subwoofer's control panel, highlighting the power, ground, remote, and audio input terminals.

### 1.4 Installation Video Guide

For a visual guide on the installation process, please refer to the official installation video below. This video demonstrates connecting the power, ground, and audio cables, as well as the remote control.

Your browser does not support the video tag.

**Video:** Official installation guide for the LEIGESAUDIO 800 Watt Compact Powered Subwoofer, demonstrating wiring and setup.

## 2. Operating Instructions

Once installed, your LEIGESAUDIO LE-812SW subwoofer offers several controls to fine-tune its performance to your preference and vehicle acoustics.

## 2.1 Control Panel Overview

The subwoofer features a control panel with various adjustments:

- **Phase Switch (0°/180°):** Adjusts the phase of the subwoofer output to match the phase of your main speakers. Experiment with both settings to find the one that provides the most impactful bass.
- **Low Pass Filter (LPF):** A variable filter (50-150 Hz) that allows you to control the upper frequency limit of the subwoofer. Set it to blend smoothly with your main speakers.
- **Bass Boost (0 - +12 dB):** Increases the bass output at a specific frequency. Use sparingly to avoid distortion.
- **Input Gain (MIN/MAX):** Matches the output level of your head unit to the input sensitivity of the subwoofer. Start at MIN and slowly increase until desired volume is achieved without distortion.
- **Remote Control Port:** Connects the included wired remote for convenient bass level adjustment from the driver's seat.




**Image:** The subwoofer's control panel, illustrating the various knobs and switches for sound customization.

## 2.2 Wired Remote Control

The included wired remote control allows for easy adjustment of the subwoofer's output level without needing to access the unit directly. This is ideal for on-the-fly adjustments based on music genre or personal preference.

## 3. Maintenance

To ensure the longevity and optimal performance of your LEIGESAUDIO LE-812SW subwoofer, follow these simple maintenance guidelines.

- **General 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 ventilation areas are not blocked. Proper airflow prevents overheating and maintains performance.
- **Connection Checks:** Periodically check all wiring connections (power, ground, remote, and audio) to ensure they are secure and free from corrosion. Loose connections can lead to poor sound quality or unit malfunction.

## 4. Troubleshooting

If you encounter issues with your LEIGESAUDIO LE-812SW subwoofer, consult the following troubleshooting tips before seeking professional assistance.

### 4.1 No Power / No Sound

- **Check Power Connections:** Verify that the +12V DC, GND, and REM wires are securely connected and that the in-line fuse is not blown.
- **Remote Turn-On:** Ensure the remote turn-on wire is receiving +12V when the head unit is on.
- **Head Unit Output:** Confirm that your head unit is sending an audio signal to the subwoofer's inputs.

### 4.2 Distorted Sound

- **Adjust Input Gain:** If the sound is distorted, the input gain may be set too high. Reduce the gain until the distortion disappears.
- **Check LPF Setting:** Ensure the Low Pass Filter is set appropriately to prevent higher frequencies from distorting the subwoofer.
- **Phase Switch:** Experiment with the phase switch (0°/180°) to see if it improves sound clarity and bass impact.
- **Bass Boost:** Reduce the Bass Boost level if it's causing excessive distortion.

### 4.3 Weak or Muffled Bass

- **Increase Input Gain:** Gradually increase the input gain.
- **Adjust LPF:** Try increasing the LPF frequency slightly to allow more bass frequencies through.
- **Phase Switch:** Toggle the phase switch to see if one setting produces stronger bass.
- **Speaker Polarity:** Ensure all speakers in your system are wired with correct polarity.

## 5. Specifications

Detailed technical specifications for the LEIGESAUDIO LE-812SW 800 Watt Compact Powered Subwoofer.

| Feature | Detail |
|---|---|
| **Brand** | LEIGESAUDIO |
| **Model** | LE-812SW |
| **Speaker Maximum Output Power** | 800 Watts (Peak) / 150 Watts (RMS) |
| **Connectivity Technology** | RCA, High-Level Inputs |
| **Mounting Type** | Car Mount, Trunk Mount, Under Seat Mount |
| **Speaker Type** | Subwoofer |
| **Subwoofer Diameter** | 10 Inches |
| **Controller Type** | Remote Control |
| **Color** | Black |
| **Item Dimensions (L x W x H)** | 13.6"L x 10.23"W x 2.7"H (345mm x 260mm x 70mm) |
| **Item Weight** | 4.89 Kilograms (10.78 lbs) |
| **Low-pass Filter** | 50-150 Hz |
| **Bass Boost** | 0 - +12 dB |
| **Phase Selectable** | 0 or 180 degrees |




**Image:** The LE-812SW subwoofer displaying its compact dimensions, suitable for various installations.

## 6. Warranty & Support

### 6.1 Product Warranty

For information regarding the product warranty, please refer to the warranty card included in your product packaging or visit the official LEIGESAUDIO website. Standard warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

### 6.2 Customer Support

If you require further assistance with installation, operation, or troubleshooting, please contact LEIGESAUDIO customer support. You can find contact information on the official brand website or through your retailer.

Visit the official LEIGESAUDIO store for more products and support:LEIGESAUDIO Store

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