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Seventour ST800

Seventour ST800 10" Slim Under Seat Powered Car Subwoofer User Manual

Model: ST800

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Seventour ST800 10" Slim Under Seat Powered Car Subwoofer. Designed to enhance your vehicle's audio system, this subwoofer features a built-in amplifier and dynamic blue LED ambient lighting. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

2. What's in the Box

Upon opening the package, please verify that all components listed below are present and in good condition:

- 10-inch subwoofer main unit
- High to Low Level Converter
- Power Cable
- RCA input/output cables
- Volume controller
- Connection Terminals and Mount Screws
- Mounting Velcro
- GND cable



Image: The Seventour ST800 subwoofer unit along with all included accessories: power cable, RCA cables, remote volume control, high-to-low level converter, GND cable, connection terminals, and mounting velcro.



Image: A visual representation detailing each component included in the ST800 package, such as the subwoofer, cables, and controller.

3. Key Features

- **Integrated Amplifier:** Built-in amplifier for powerful audio output.
- **Slim Design:** Ultra-slim profile (2.7" thickness) for flexible installation under seats or in trunks.
- **Dynamic LED Ambient Light:** Features a personalized spider speaker protector with a blue LED ambient light ring that illuminates when the car is started.
- **High/Low Level Inputs:** Supports both low-level RCA inputs and high-level inputs for versatile connectivity with various car audio systems.
- **Adjustable Controls:** Includes Low Pass Filter (50Hz - 150Hz), Bass Boost (0 - 12dB @ 45Hz), and Input Gain controls for customized sound.
- **Protection Circuitry:** Equipped with thermal, short circuit, and overload protection for enhanced durability and safety.
- **Wired Bass Volume Remote Control:** Allows convenient adjustment of bass levels from the driver's seat.

- **Robust Construction:** Enclosure made of cast aluminum for excellent heat dissipation and reliable performance.



Image: The ST800 subwoofer showcasing its dynamic blue LED ambient light, which activates upon vehicle startup, adding a stylish visual element.



Image: The ST800 subwoofer in its standard appearance, demonstrating its sleek design without the LED light activated.



Image: The ST800 subwoofer with a graphic overlay emphasizing its 800 Watts Peak Power capability, indicating strong audio performance.

4. Setup and Installation

Proper installation is crucial for the performance and longevity of your subwoofer. It is recommended that installation be performed by a qualified professional. Ensure the vehicle's battery is disconnected before beginning installation.

4.1 Placement

The slim design of the ST800 allows for flexible placement. Common locations include under the car seat or in the trunk.



Image: Examples of the ST800 subwoofer installed in a vehicle, demonstrating its compact size for under-seat mounting and trunk placement.

4.2 Wiring Connections

Connect the subwoofer to your car's audio system using the provided cables. The ST800 supports both high-level (speaker wire) and low-level (RCA) inputs.

- **Power Connection:** Connect the 12V Power Cable to the vehicle's battery (ensure an inline fuse is used).
- **Ground Connection:** Connect the GND cable to a clean, unpainted metal surface on the vehicle's chassis.
- **Remote Turn-On:** Connect the REM cable to the remote turn-on output of your head unit.
- **Audio Input:**
  - For RCA inputs, connect the RCA input/output cables from your head unit's RCA outputs to the subwoofer's Low Level inputs.
  - For high-level inputs, use the High to Low Level Converter to connect speaker wires from your head unit to the subwoofer's High Level inputs.



Image: A detailed wiring diagram illustrating how to connect the ST800 subwoofer to a car stereo/radio using both high and low-level inputs.



Image: Close-up of the ST800 subwoofer's rear panel, highlighting the various input options (High Level, Low Level) and control knobs (Phase, Low Pass, Bass Boost, Input Gain).

4.3 Video Guide for Installation and Features

Watch this official video from Seventour for a visual guide on the ST800 subwoofer's features and installation process:

▶ **Watch video online**
Seventour NEW 10" 800W Under Seat Powered Car Subwoofer

Video: An official Seventour video demonstrating the ST800 10" 800W Under Seat Powered Car Subwoofer, including its LED lighting, control adjustments, and installation examples.

5. Operating Instructions

Once installed, you can adjust the subwoofer's settings to achieve your desired audio output.

5.1 Power On/Off and LED Indicator

The subwoofer will power on automatically when your car's audio system is activated. The blue LED ambient light ring will illuminate upon startup. A green LED indicates power, while a red LED indicates protection mode (overload, short circuit, or thermal protection).



Image: Comparison showing the ST800 subwoofer when powered on with its blue LED ring illuminated, and when turned off.

5.2 Adjusting Audio Settings

- **Low Pass Filter (LPF):** Adjust the LPF knob (50Hz - 150Hz) to control the upper frequency limit of the subwoofer. This ensures only low-frequency sounds are reproduced by the subwoofer.
- **Bass Boost:** Use the Bass Boost knob (0 - 12dB @ 45Hz) to increase the intensity of the bass output at 45Hz.
- **Input Gain:** Adjust the Input Gain knob to match the output level of your head unit. Start with the gain at minimum and slowly increase until the desired volume is achieved without distortion.
- **Phase Switch:** The Phase switch (0° or 180°) helps to align the subwoofer's output with the rest of your car's speakers. Experiment with both settings to find the one that provides the most cohesive sound.
- **Remote Volume Control:** Use the wired remote control to conveniently adjust the overall bass volume from your driving position.

6. Maintenance

To ensure the longevity and optimal performance of your Seventour ST800 subwoofer, follow these 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 the subwoofer's vents are not obstructed to allow for proper heat dissipation. The cast aluminum enclosure is designed for excellent heat management, but good airflow is still important.
- **Cable Inspection:** Periodically check all wiring connections for tightness and signs of wear or damage. Loose connections can lead to poor performance or safety hazards.
- **Fuse Replacement:** If the subwoofer stops functioning, check the 25A fuse. Replace it only with a fuse of the

same rating.

7. Troubleshooting

If you experience issues with your Seventour ST800 subwoofer, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Sound Output	◦ No power to the subwoofer. ◦ Loose or incorrect wiring. ◦ Blown fuse. ◦ Input gain too low. ◦ Head unit settings.	◦ Check power, ground, and remote turn-on connections. ◦ Verify all wiring is secure and correctly connected. ◦ Replace the 25A fuse if blown. ◦ Increase the Input Gain. ◦ Ensure subwoofer output is enabled on your head unit.
Distorted Sound	◦ Input gain too high. ◦ Incorrect LPF or Bass Boost settings. ◦ Poor quality audio source.	◦ Decrease the Input Gain. ◦ Adjust LPF and Bass Boost for optimal sound. ◦ Try a different audio source.
Subwoofer Overheats (Red Protection LED)	◦ Insufficient ventilation. ◦ Overload or short circuit. ◦ Playing at excessively high volumes for extended periods.	◦ Ensure proper airflow around the unit. ◦ Check speaker wires for shorts. ◦ Reduce volume and allow the unit to cool down.

If the problem persists after following these steps, please contact Seventour customer service for assistance.

8. Specifications

Feature	Specification
Model Name	ST800
Speaker Type	Subwoofer
Speaker Size	10 Inches
Mounting Type	Under Seat Mount
Material	Aluminum
Peak Power	800 Watts
RMS Power Handling	220 Watts
Impedance	4 Ohms
Low Pass Filter	50Hz - 150Hz
Bass Boost	0 - 12dB @ 45Hz

Feature	Specification
Frequency Response	20Hz - 500Hz
Signal to Noise Ratio	>90dB
Low Level Input Sensitivity	300mV
High Level Input Sensitivity	0.9V
Rated Fuse	25A
Product Dimensions (L x W x H)	13.5" x 10.2" x 3.1" (2.7"D x 13.5"W x 10.2"H)
Item Weight	11.97 pounds
Special Features	Bass Boost, LED Light, Noise Canceling
Controller Type	Remote Control
Connectivity Technology	Auxiliary, RCA, USB

9. Warranty and Support

Seventour is committed to providing high-quality electronic products and excellent customer service.

- **6-Month Replacement Warranty:** We promise to replace the product with a new one if there is any product quality issue within 6 months of purchase.
- **1-Year Free Repair:** The product will be repaired without any charge within 1 year of purchase for quality issues.
- **Professional After-Sales Support:** Seventour provides professional after-sales support. We aim to reply to every customer's email within 12 hours.

For further assistance or inquiries, please contact Seventour customer service.
You can also visit the official Seventour Store on Amazon for more information and products.

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