

Seventour ST-1000

Seventour ST-1000 10-inch 1000W Slim Under Seat Powered Car Subwoofer Instruction Manual

Model: ST-1000

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1. PRODUCT OVERVIEW

The Seventour ST-1000 is a 10-inch, 1000W slim under-seat powered car subwoofer designed to enhance your vehicle's audio system with deep bass. It features a built-in amplifier and an enclosure made of cast aluminum for efficient heat dissipation and reliable performance. This unit is suitable for installation in various car and truck models, offering a compact solution for improved audio quality.

Key Features:

- **Integrated Amplifier:** Built-in 1000W peak power (220W RMS) Class-D amplifier.
- **Slim Design:** Compact dimensions (13.5" L x 10.2" W x 3.1" H) allow for under-seat or trunk installation.
- **Durable Construction:** Cast aluminum enclosure for heat dissipation and longevity.
- **Dynamic LED Lighting:** Features a blue LED ambient light ring that illuminates when the subwoofer is powered on.
- **Flexible Inputs:** Supports both low-level RCA and high-level speaker inputs for broad compatibility.
- **Adjustable Controls:** Includes Low Pass Filter (50Hz - 150Hz), Bass Boost (0 - 12dB @ 45Hz), Input Gain, and Phase control.
- **Remote Control:** Wired bass volume remote control for convenient adjustment.
- **Protection Circuitry:** Thermal, short circuit, and overload protection for safe operation.



Image 1.1: The Seventour ST-1000 10-inch Slim Under Seat Powered Car Subwoofer.



Image 1.2: The Seventour ST-1000 subwoofer highlighting its superior sound quality and bass performance.

2. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. It is recommended that installation be performed by a qualified professional. Always disconnect the vehicle's battery before beginning any electrical work.

2.1 What's in the Box

What's in the box?



High to Low Level Converter



RCA audio cable



12V Power Cord + Fuse



REM cable



Bass Volume Controller



GND cable



Connection Terminals and Mount Screws



Mounting Velcro

Image 2.1: The package contents for the Seventour ST-1000 subwoofer. This includes the 10-inch subwoofer main unit, a High to Low Level Converter, a Power Cable with fuse, RCA input/output cables, a wired Volume Controller, a GND cable, connection terminals, and mounting screws.

Your Seventour ST-1000 package includes:

- 10-inch subwoofer main unit
- Power Cable with inline fuse
- RCA input/output cables
- High to Low Level Converter
- Wired Volume Controller
- GND (Ground) cable
- Connection Terminals and Mounting Screws
- Mounting Velcro (if included in specific kit)

2.2 Placement Options

The slim design of the ST-1000 allows for flexible placement within your vehicle. Common locations include under a seat or in the trunk area. Ensure the chosen location provides adequate ventilation and does not obstruct any

vehicle controls or safety features.

Slim Design, Without Much Space



Compatible with all types of Cars

Upgrading your Car Audio System



Image 2.2: Examples of the slim subwoofer installed under a car seat and in a car trunk, demonstrating its versatile placement options.



Image 2.3: A close-up view of the Seventour ST-1000 subwoofer discreetly installed under a car seat.

2.3 Wiring Connections

The subwoofer supports both high-level (speaker wire) and low-level (RCA) inputs. Choose the input method compatible with your car stereo/radio. Refer to your car stereo's owner's manual for details on radio wiring.

1. **Power Connection:** Connect the 12V Power Cable to the vehicle's battery (positive terminal). Ensure the inline fuse is properly installed.
2. **Ground Connection:** Connect the GND cable to a clean, unpainted metal surface on the vehicle's chassis.
3. **Remote Turn-On:** Connect the REM (remote) cable to the remote turn-on output of your car stereo. If your stereo does not have a remote output, you may use an accessory wire that turns on with the ignition.
4. **Audio Input:**
 - **Low-Level Input (RCA):** Connect RCA cables from your car stereo's RCA pre-outs to the subwoofer's RCA input jacks.
 - **High-Level Input:** If your stereo lacks RCA outputs, use the provided High to Low Level Converter. Connect your car stereo's speaker outputs to the converter, then connect the converter's output to the subwoofer's high-level input.

5. **Remote Control:** Plug the wired bass volume remote control into the designated port on the subwoofer.



Image 2.4: The control panel of the Seventour ST-1000 subwoofer showing input options and a simplified wiring diagram for both high and low-level inputs.

2.4 Installation Video

Your browser does not support the video tag.

Video 2.1: Official Seventour video demonstrating the ST-1000 Under Seat Powered Car Subwoofer. This video provides a visual guide to the product and its potential installation.

3. OPERATING INSTRUCTIONS

Once installed, the subwoofer can be adjusted to achieve desired bass output.

3.1 Control Panel Adjustments

- **PHASE (0°/180°):** Adjusts the phase of the subwoofer output relative to the main speakers. Experiment with both settings to find the one that provides the most cohesive bass response.

- **LOW PASS (50Hz - 150Hz):** This filter controls the upper frequency limit of the subwoofer. Adjust it to blend the subwoofer's output smoothly with your main speakers. A lower setting (e.g., 80Hz) is common for larger main speakers, while a higher setting might be used with smaller speakers.
- **BASS BOOST (0 - 12dB @ 45Hz):** Increases the bass output at 45Hz. Use sparingly to avoid distortion.
- **INPUT GAIN (MIN/MAX):** Matches the subwoofer's input sensitivity to the output level of your car stereo. Start at minimum and slowly increase until you hear clear, undistorted bass.
- **REMOTE CONTROL:** Use the wired remote to conveniently adjust the bass volume from your driving position.

3.2 LED Indicator

The subwoofer features a green power LED and a red protection LED. The blue ambient LED light ring illuminates when the subwoofer is powered on, adding a visual element to your car's interior.

- **Green LED:** Indicates the subwoofer is powered on and operating normally.
- **Red LED:** Indicates a protection mode has been activated (e.g., thermal, short circuit, overload). Refer to the Troubleshooting section if this light illuminates.
- **Blue Ambient LED:** Illuminates when the unit is powered on. This feature is designed to be dynamic and cool.



Image 3.1: The Seventour ST-1000 subwoofer with its blue LED ambient light ring illuminated, indicating power is on.



Image 3.2: Comparison showing the Seventour ST-1000 subwoofer with its blue LED light when powered ON versus when powered OFF.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Seventour ST-1000 subwoofer, follow these general maintenance guidelines:

- **Cleaning:** Regularly wipe the exterior of the subwoofer with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Ventilation:** Ensure that the subwoofer's enclosure is not obstructed, allowing for proper airflow and heat dissipation.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion. Loose connections can lead to poor performance or damage.
- **Environmental Factors:** Protect the subwoofer from extreme temperatures, direct sunlight, and moisture. While the enclosure is robust, it is not waterproof.

5. TROUBLESHOOTING

If you encounter issues with your Seventour ST-1000 subwoofer, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|-----------------|--|---|
| No Sound Output | <ul style="list-style-type: none"> No power to the subwoofer. Loose or incorrect wiring connections. Blown fuse. Input gain set too low. Car stereo output issue. | <ul style="list-style-type: none"> Check power, ground, and remote turn-on connections. Verify all wiring is secure and correctly connected. Inspect the inline fuse; replace if blown (25A). Increase the INPUT GAIN slowly. Ensure car stereo is functioning and outputting audio. |

| Problem | Possible Cause | Solution |
|---|--|--|
| Distorted Sound | Input gain set too high. Bass Boost set too high. Incorrect Low Pass Filter setting. Poor quality audio source. | Decrease the INPUT GAIN. Reduce the BASS BOOST level. Adjust the LOW PASS filter for better blending. Try a different audio source. |
| Subwoofer Not Turning On (No Green LED) | No power or remote signal. Blown fuse. | Check power, ground, and remote turn-on connections. Replace the 25A fuse if blown. |
| Red Protection LED Illuminates | Overheating. Short circuit in speaker wiring. Overload (too much power demand). | Turn off the system and allow the subwoofer to cool down. Ensure proper ventilation. Check speaker wiring for any shorts or frayed wires. Reduce the INPUT GAIN or BASS BOOST. |
| Blue LED Light Stays On Constantly (Even when car is off) | Remote turn-on wire connected to a constant 12V source instead of an ignition-switched source. | Verify the REM wire is connected to a source that turns off with the vehicle's ignition. Consult a professional if unsure. |

6. SPECIFICATIONS

| Feature | Detail |
|---------------------------------|-------------------|
| Brand | Seventour |
| Model Name | ST-1000 |
| Speaker Type | Subwoofer |
| Speaker Size | 10 Inches |
| Woofers Diameter | 10 Inches |
| Speaker Maximum Output Power | 1000 Watts (Peak) |
| RMS Power Handling | 220 Watts |
| Impedance | 4 Ohms |
| Frequency Response | 20Hz - 500Hz |
| Low Pass Filter | 50Hz - 150Hz |
| Bass Boost | 0 - 12dB @ 45Hz |
| Signal to Noise Ratio | >90dB |
| Total Harmonic Distortion (THD) | < 0.4% |
| Input Sensitivity (Low Level) | 300mV |
| Input Sensitivity (High Level) | 0.9V |

| Feature | Detail |
|-------------------------|---|
| Rated Fuse | 25A |
| Dimensions (L x W x H) | 13.5" x 10.2" x 3.1" (approx. 34.3cm x 25.9cm x 7.9cm) |
| Item Weight | 5.74 Kilograms |
| Enclosure Material | Aluminum |
| Mounting Type | Under-Seat |
| Connectivity Technology | Auxiliary, RCA, USB (for power/charging, not audio data) |
| Control Method | Remote Control |
| Additional Features | Bass Boost, LED Light, Noise Canceling, Thermal/Short Circuit/Overload Protection |
| UPC | 760762576136 |



7. WARRANTY AND SUPPORT

Seventour is committed to providing quality products and customer satisfaction.

7.1 Warranty Information

- **30-Day Return:** Customers are eligible for a 30-day no-reason return.
- **1-Year Replacement:** If there is any product quality issue within 1 year of purchase, Seventour promises to replace the product with a new one.
- **2-Year Free Repair:** The product will be repaired without any charge within 2 years of purchase for quality-related issues.
- **Limited Warranty:** The product comes with a 1-year limited warranty.



Image 7.1: Seventour's service support policy, detailing 30-day no-reason return, 1-year replacement for quality issues, and 2-year repair service.

7.2 Customer Support

For any inquiries, technical assistance, or warranty claims, please contact Seventour customer support:

Email: help@seventour.vip

Phone: +1 833 - 310 - 5550

Operating Hours:

- Monday - Friday: 9:00 AM - 9:00 PM
- Saturday: 2:00 PM - 10:00 PM

Seventour provides professional after-sales support and aims to reply to every customer's email within 12 hours.

