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› SVS PB-4000 13.5-inch Ported Box Subwoofer Instruction Manual

SVS PB-4000

SVS PB-4000 13.5-inch Ported Box Subwoofer

INSTRUCTION MANUAL

1. Introduction

This manual provides essential information for the proper setup, operation, and maintenance of your SVS PB-4000 13.5-inch Ported Box Subwoofer. Please read these instructions thoroughly before installation and use to ensure optimal performance and safety. The SVS PB-4000 is designed to deliver powerful and accurate low-frequency sound for home theater and music systems.

2. Safety Information

Please observe the following safety precautions:

- **Power Source:** Connect the subwoofer only to a power outlet of the type described in the specifications.
- **Ventilation:** Ensure adequate ventilation around the subwoofer. Do not block any ventilation openings.
- **Water and Moisture:** Do not expose the subwoofer to rain, moisture, or excessive humidity.
- **Heat:** Keep the subwoofer away from heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Weight:** The SVS PB-4000 is heavy (approximately 153.2 lbs). Exercise caution when moving to prevent injury. It is recommended to use two or more people for lifting and positioning.

3. Unpacking and Placement

Due to the significant weight and size of the PB-4000, careful unpacking is essential. It is recommended to have assistance when unpacking and positioning the subwoofer.

Unpacking:

1. Open the top of the box and remove any accessory packaging.
2. Lay the box on its side and carefully slide the subwoofer out.
3. Remove the protective packaging materials.

Placement Considerations:

The placement of your subwoofer significantly impacts its performance. Experiment with different locations to find

the best sound in your room. Common placement options include:

- **Front of the Room:** Often provides the most cohesive soundstage with front speakers.
- **Corner Placement:** Can increase bass output, but may also lead to boomy or uneven bass if not properly calibrated.
- **Mid-Wall Placement:** Can offer a balance between output and smoothness.



Image: Front view of the SVS PB-4000 ported box subwoofer in Premium Black Ash finish, showcasing the 13.5-inch driver and three front-firing ports.



Image: The SVS PB-4000 subwoofer with its protective metal grille installed, providing a sleek appearance while protecting the driver.

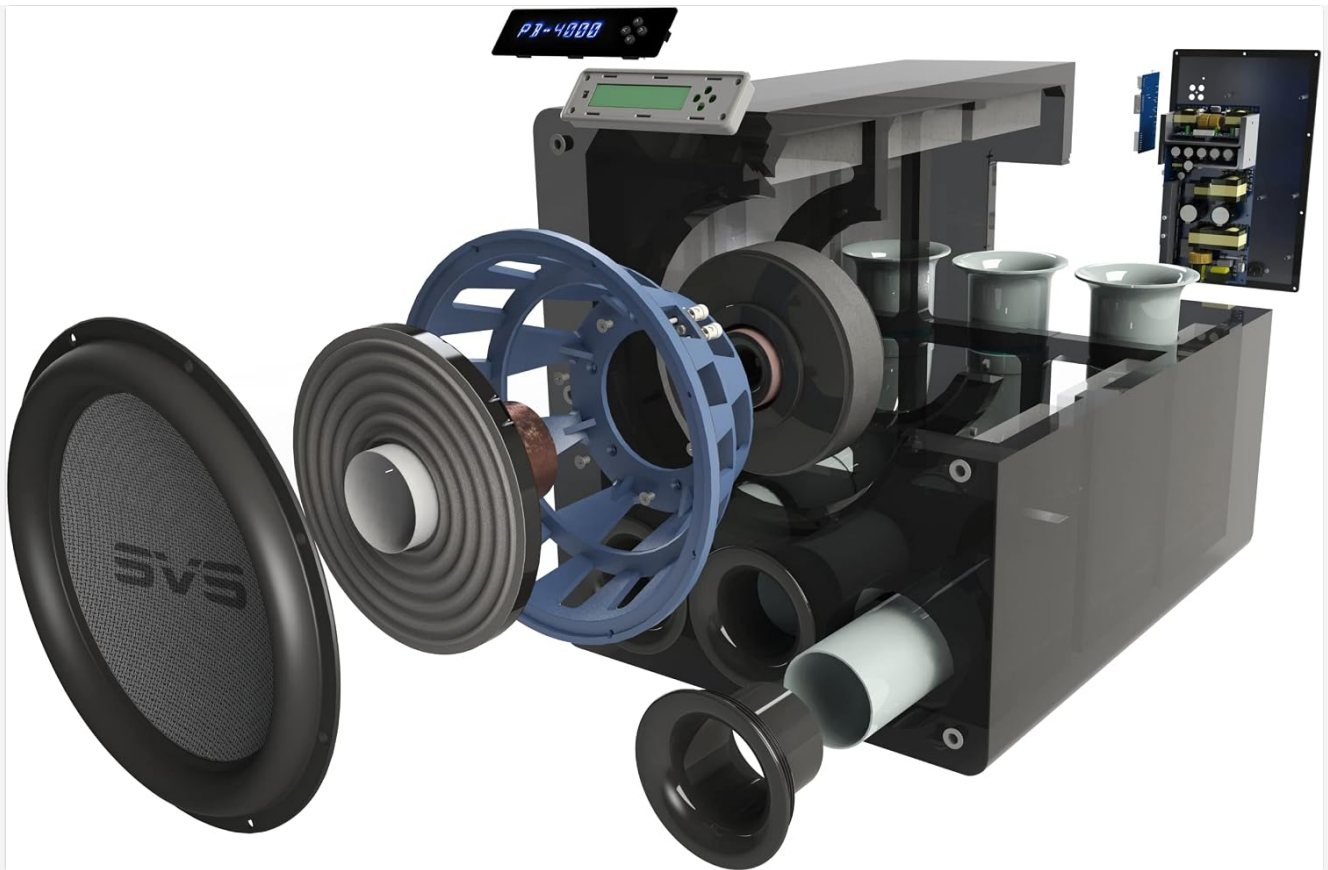


Image: The SVS PB-4000 subwoofer positioned in a living room environment, demonstrating its physical presence relative to other furniture.

4. Setup

This section details the physical connections and initial configuration of your PB-4000 subwoofer.

4.1 Connections

Connect the subwoofer to your AV receiver or pre-amplifier using an LFE (Low-Frequency Effects) output or stereo RCA outputs. Ensure all connections are secure before powering on the unit.

- **LFE Connection:** For most home theater systems, connect a single RCA cable from your receiver's LFE/Subwoofer output to the LFE input on the PB-4000.
- **Stereo RCA Connection:** For 2-channel audio systems, connect RCA cables from your pre-amplifier's stereo outputs to the left and right RCA inputs on the PB-4000.
- **Power Connection:** Connect the supplied power cord to the subwoofer and then to a grounded AC outlet.



Image: A detailed view of the rear panel of the SVS PB-4000 subwoofer, showing various input and output connections, including RCA and XLR options, and the power inlet.

4.2 SVS Subwoofer Control App

The SVS Subwoofer Control App provides advanced control over your PB-4000 from your smartphone or tablet (iOS and Android compatible). The app connects via Bluetooth, allowing adjustments from your listening position.

- Download the SVS App from the Apple App Store or Google Play Store.
- Enable Bluetooth on your device and open the SVS App.
- The app will automatically detect and connect to your PB-4000.



Image: A screenshot or representation of the SVS Subwoofer Control App interface on a mobile device, showing various settings and controls for the subwoofer.

5. Operating

Once connected, you can begin operating your PB-4000. The front panel display and the SVS App offer comprehensive control.

5.1 Basic Operation

- **Power On/Off:** The subwoofer has a main power switch on the rear panel. It also features an Auto/On/Trigger mode for automatic power management.
- **Front Panel Display:** The front panel features a digital display and control buttons for basic adjustments.



Image: A close-up view of the SVS PB-4000's front panel display, showing the model number and control buttons for direct adjustments.

5.2 App Control Features

The SVS App provides detailed control over the following parameters:

- **Volume:** Adjust the overall output level of the subwoofer.
- **Low Pass Filter:** Sets the upper frequency limit for the subwoofer.
- **Phase:** Adjusts the phase of the subwoofer output relative to your main speakers.
- **Polarity:** Inverts the subwoofer's output signal.
- **Parametric EQ:** Allows for precise room correction and frequency response shaping.
- **Room Gain Compensation:** Reduces excessive bass output in smaller rooms.
- **Port Tuning:** The PB-4000 is a ported design. The app allows for adjustments related to port tuning, and physical port plugs may be used for sealed mode operation (refer to SVS documentation for details on port plugs).
- **Custom Presets:** Save and recall preferred settings for different listening modes (e.g., music, movies).

6. Maintenance

To ensure the longevity and optimal performance of your SVS PB-4000, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the cabinet. Avoid abrasive cleaners or solvents.
- **Dust:** Regularly dust the subwoofer, especially the driver and ports, to prevent accumulation.
- **Ventilation:** Ensure that the amplifier's heat sink and ventilation openings are free from obstructions.
- **Inspection:** Periodically check all cables for damage or loose connections.

7. Troubleshooting

If you encounter issues with your PB-4000, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound from subwoofer	• Power not connected or turned on • Input cable loose or faulty • Receiver/processor settings incorrect • Subwoofer volume too low	• Check power cord and switch • Verify input cable connection • Check receiver's subwoofer output and level settings • Increase subwoofer volume via app or front panel
Distorted or boomy sound	• Subwoofer volume too high • Incorrect phase/polarity setting • Poor room acoustics • Incorrect low pass filter setting	• Reduce volume • Adjust phase/polarity via app • Use Parametric EQ in app for room correction • Adjust low pass filter to blend with main speakers
Humming or buzzing noise	• Ground loop issue • Faulty cable • Interference from other electronics	• Try plugging subwoofer into a different outlet or using a ground loop isolator • Replace input cable • Move subwoofer or other electronics away from each other

If the problem persists after attempting these solutions, please contact SVS customer support.

8. Specifications

Detailed technical specifications for the SVS PB-4000 Subwoofer:



Image: An exploded diagram of the SVS PB-4000 subwoofer, illustrating its internal components including the driver, amplifier, and port tubes.

Feature	Detail
Model Name	PB-4000
Speaker Type	Ported Box Subwoofer
Subwoofer Diameter	13.5 Inches
Amplifier Power	1200 Watts RMS, 4000+ Watts Peak (Sledge STA-1200D DSP)
Frequency Response	16 Hz (low end, specific range depends on port tuning)
Product Dimensions (H x W x D)	23.4" x 20.5" x 30"
Item Weight	153.2 Pounds
Control Method	SVS App (Bluetooth), Front Panel Display
Connectivity Technology	Bluetooth (for app control), Wired (RCA, XLR)
Power Source	Corded Electric
Color	Premium Black Ash
Manufacturer	SVS
Model Number	PB4000BA
UPC	856677007411



Image: A close-up view of the SVS PB-4000's 13.5-inch high-excursion driver, highlighting its robust construction and surround.



Image: An internal view of the Sledge STA-1200D DSP amplifier module within the SVS PB-4000, showing its circuit board and

components.

9. Warranty and Support

For warranty information and technical support, please refer to the official SVS website or contact SVS customer service directly. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

SVS Customer Support:

- Visit the SVS website for FAQs, support articles, and contact information.
- Have your product model and serial number ready when contacting support.

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