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› Acoustic Audio PSW-6 Down Firing Powered Subwoofer (Black) 6.5-Inch Subwoofer Instruction Manual

Acoustic Audio by Goldwood PSW-6

Acoustic Audio PSW-6 Down Firing Powered Subwoofer (Black) 6.5-Inch Subwoofer

Brand: Acoustic Audio by Goldwood

Model: PSW-6

INTRODUCTION

The Acoustic Audio PSW-6 Down Firing Powered Subwoofer is designed to enhance your home theater and audio experience by delivering deep, impactful bass. Featuring a high-current, 250-watt amplifier and a 6.5-inch down-firing woofer, this subwoofer provides dynamic low-frequency effects for movies, music, and sports. Its compact design and elegant black ash finish make it a versatile addition to any setup. This manual will guide you through the setup, operation, and maintenance of your new subwoofer.

WHAT'S IN THE BOX

- Acoustic Audio by PSW-6 powered subwoofer
- 6 foot dual RCA cable
- RCA "Y" adapter
- Instruction manual

POWERED SUBWOOFERS



Figure 1: Included accessories with the PSW-6 subwoofer.

KEY FEATURES

- **Home Theater Powered Subwoofer:** Standard RCA inputs easily connect to your home theater receiver's dedicated Subwoofer Output.
- **250 Watts Peak Power:** Integrated high-efficiency power amplifier, 30 - 250 Hz with 96dB at 8ohm.
- **Control Options:** Features Auto ON/OFF and 0 - 180 degree Phase control switches, Gain, and 50 - 150 Hz Crossover control knobs.
- **6.5 Inch Down Firing Woofer:** Long throw woofer with high rigidity PVA Treated cone, bottom slotted port.
- **Bass Reflex Cabinet Design:** High-quality MDF enclosure with added internal bracing and black ash finish, featuring vibration-absorbing feet.

SETUP AND INSTALLATION

Proper placement and connection are crucial for optimal performance of your subwoofer. Ensure all audio equipment is powered off before making any connections.



Figure 2: The down-firing 6.5-inch woofer is located on the bottom of the unit.



Figure 3: Rear panel connections and controls of the PSW-6 subwoofer.

Connection Options:

- **Line-Level Input (RCA):** For receivers or pre-amplifiers with a dedicated subwoofer output (LFE or Sub Out). Connect the RCA cable from your receiver's subwoofer output to the L (Left) input on the subwoofer. If your receiver has a single subwoofer output, use the included "Y" adapter to connect to both L and R inputs for optimal signal.
- **High-Level Input (Speaker Wire):** For receivers or amplifiers without a dedicated subwoofer output. Connect speaker wires from your amplifier's main speaker outputs to the "Hi Level Input" terminals on the subwoofer. Then, connect speaker wires from the "Hi Level Output" terminals on the subwoofer to your main speakers. Ensure correct polarity (+ to + and - to -).

Refer to the included instruction manual for detailed wiring diagrams and recommended configurations for your specific audio system.

CONTROLS AND ADJUSTMENTS

The PSW-6 subwoofer offers several controls on its rear panel to fine-tune its performance to your listening environment.

- **Gain Control:** Adjusts the overall volume level of the subwoofer. Start with a low setting and gradually increase it until the bass blends seamlessly with your main speakers.
- **Crossover Control (50Hz - 150Hz):** Sets the upper frequency limit for the subwoofer. Frequencies above this setting will be sent to your main speakers. Adjust this to match the low-frequency capabilities of your main speakers.
- **Phase Switch (0°/180°):** Adjusts the phase of the subwoofer's output relative to your main speakers. Experiment with both settings while listening to music or movies to find the one that provides the most cohesive and impactful bass.
- **Power Switch (On/Auto/Off):** Allows you to manually turn the subwoofer on or off, or set it to 'Auto' mode where it will automatically power on when an audio signal is detected and power off after a period of inactivity.

OPERATING INSTRUCTIONS

Once connected and adjusted, the subwoofer will enhance the low-frequency effects of your audio system.

- For optimal performance, ensure the subwoofer is placed on a stable, level surface. The integrated vibration-absorbing feet help minimize unwanted resonance.
- Adjust the Gain and Crossover controls gradually while listening to various audio content to achieve a balanced sound that complements your main speakers.
- If using the 'Auto' power mode, the subwoofer will enter standby when no audio signal is present for approximately 15 minutes.

SPECIFICATIONS

Feature	Specification
Driver	6.5-Inch Down-Firing Woofer with PVA Treated Cone
Amplifier Type	A/B Class Amplifier
Power Output	250 Watts Peak Power (125 Watts RMS)
Frequency Response	30Hz - 250Hz
Sensitivity	96dB at 1W/1M
Impedance	8 Ohm
Product Dimensions (H x W x D)	11.1" x 9.25" x 10.04"
Item Weight	18 Pounds
Power Source	Corded Electric (Standard US 110V)
Connectivity	RCA, High-Level Speaker Inputs

MAINTENANCE

To ensure the longevity and optimal performance of your subwoofer, follow these maintenance guidelines:

- **Cleaning:** Keep the subwoofer clean by wiping it with a soft, dry cloth. Avoid using harsh chemicals, abrasive cleaners, or excessive moisture, as these can damage the finish or internal components.
- **Ventilation:** Ensure adequate ventilation around the amplifier panel on the rear of the unit to prevent overheating. Do not place the subwoofer in an enclosed space without proper airflow.
- **Placement:** Do not block the down-firing woofer or the bottom slotted port. Ensure the subwoofer is placed on a stable, level surface to prevent vibrations and ensure proper bass dispersion.
- **Power:** Disconnect the power cord from the electrical outlet if the subwoofer will not be used for an extended period.

TROUBLESHOOTING

If you encounter any issues with your subwoofer, refer to the following common troubleshooting steps:

No Sound:

- **Power Check:** Verify that the power cord is securely plugged into both the subwoofer and a working electrical outlet. Ensure the power switch on the rear panel is set to 'On' or 'Auto'. The power indicator light should be illuminated.
- **Cable Connections:** Confirm that all audio cables (RCA or speaker wire) are securely connected to both the subwoofer and your audio source/receiver.
- **Gain Level:** Adjust the Gain control on the subwoofer to an audible level.
- **Receiver Settings:** Ensure your receiver's subwoofer output is enabled and its volume is not muted or set too low.

Distorted Sound:

- **Reduce Gain:** Lower the Gain level on the subwoofer. If the input signal from your receiver is too strong, it can cause distortion.
- **Crossover Adjustment:** Adjust the Crossover control. If it's set too high, the subwoofer may be attempting to reproduce frequencies meant for your main speakers, leading to distortion.
- **Source Check:** Test with a different audio source to determine if the distortion originates from the source device.

Humming/Buzzing Noise:

- **Secure Connections:** Ensure all audio and power connections are tight and secure. Loose connections can introduce noise.
- **Different Outlet:** Try plugging the subwoofer into a different electrical outlet, preferably one on a different circuit, to rule out electrical interference.
- **Ground Loop:** If the hum persists, it may be a ground loop issue. Consider using a ground loop isolator on the RCA connection.

WARRANTY AND SUPPORT

For detailed warranty information, technical support, or service inquiries, please refer to the official Acoustic Audio by Goldwood website or contact their customer service directly. It is recommended to keep your original purchase receipt as proof of purchase for any warranty claims.

User Manual (PDF): [Download PDF](#)

