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› [Polk Audio](#) /

› [Polk Audio PSW10 10-Inch Powered Subwoofer Instruction Manual](#)

## Polk Audio PSW10

# Polk Audio PSW10 10-Inch Powered Subwoofer

## INSTRUCTION MANUAL

Model: PSW10 | Brand: Polk Audio

## Introduction

Thank you for choosing the Polk Audio PSW10 10-Inch Powered Subwoofer. This manual provides comprehensive instructions to help you set up, operate, and maintain your subwoofer for optimal performance. Please read these instructions carefully before use and retain them for future reference.

## What's in the Box

- Polk Audio PSW10 10-Inch Powered Subwoofer
- Power Cable
- User Manual
- Policy Documentation

## Key Features

- **10-Inch Dynamic Balance Woofer:** Equipped with a 10-inch polymer-composite dynamic-balance cone driver for deep, precise bass.
- **Built-in High-Current Amplifier:** Delivers 50 watts continuous power and 100 watts dynamic power for impactful low-frequency reproduction.
- **Non-Resonant Enclosure:** All-MDF enclosure construction with 0.75-inch-thick baffles and internal bracing minimizes resonance for clean sound.
- **Versatile Connectivity:** Features line- and speaker-level inputs and speaker-level outputs for easy integration with various audio systems.
- **Klippel Measurement Technology:** Utilizes laser-based Klippel measurement technology for improved linearity and reduced distortion.

# HIGH-PERFORMANCE POWERED SUBWOOFER

Excellent choice for a small  
or medium size space

**UP TO 100 W**  
(50W RMS)

## BRINGS YOUR MUSIC AND MOVIES TO LIFE

10" front-firing Dynamic Balance® polymer composite driver delivers extra bass and punch for a number of genres lifting your audio experience by many folds



High-roll foam surrounds provide longer excursion that makes audio sound even better

Figure 1: Front view of the Polk Audio PSW10 subwoofer, showcasing the 10-inch dynamic balance woofer and front-firing port for enhanced bass impact.

## Setup

### 1. Placement

Optimal subwoofer placement is crucial for sound quality. Experiment with different locations in your room to find the best balance of bass response. Generally, placing the subwoofer in a corner can enhance bass output, while placing it closer to your main speakers can improve integration. Avoid placing it directly against a wall if it causes excessive booming.

### 2. Connections

The PSW10 offers flexible connection options:

- **Line-Level Input (RCA):** Connect your receiver's subwoofer output (LFE or Sub Out) to the LFE input on the subwoofer using an RCA cable. If your receiver has left and right pre-out jacks, use both left and right line-level inputs on the subwoofer.
- **Speaker-Level Inputs/Outputs:** For receivers without a dedicated subwoofer output, connect the speaker-level outputs from your receiver to the speaker-level inputs on the subwoofer. Then, connect the speaker-level outputs from the subwoofer to your main left and right speakers.



# MAXIMUM BASS IMPACT

with a specially tuned and directed port for extra oomph. The sub's unique configuration keeps it stable even at radical volume levels.

Figure 2: Rear panel connections and controls of the Polk Audio PSW10 subwoofer.

## Operating Instructions

Once connected, adjust the following controls on the rear panel (refer to Figure 2):

- **Volume Control:** Adjusts the overall output level of the subwoofer. Start with a low setting and gradually increase until the bass blends seamlessly with your main speakers.
- **Low-Pass Filter:** This control sets the upper frequency limit for the subwoofer. Adjust it to match the low-frequency capabilities of your main speakers. A common starting point is 80 Hz.
- **Phase Toggle Switch (0°/180°):** Adjust this switch to achieve the best bass impact and blend with your main speakers. Listen to music or a movie scene with strong bass and switch between 0° and 180° to determine which setting provides the most coherent and impactful bass.
- **3-Way Power Switch (Auto/On/Off):**
  - **Auto:** The subwoofer will automatically turn on when it detects an audio signal and enter standby mode after a period of inactivity.
  - **On:** The subwoofer remains continuously powered on.
  - **Off:** The subwoofer is powered off.

## Maintenance

To ensure the longevity and optimal performance of your Polk Audio PSW10 subwoofer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the cabinet. Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can damage the finish.
- **Placement:** Keep the subwoofer away from direct sunlight, heat sources, and excessive moisture. Ensure adequate ventilation around the amplifier panel to prevent overheating.
- **Power:** Disconnect the power cable from the wall outlet if the subwoofer will not be used for an extended period.

## Troubleshooting

Problem	Possible Solution
No sound from subwoofer	Check power connection and ensure the 3-way power switch is set to 'On' or 'Auto'. Verify audio cable connections from the receiver to the subwoofer. Increase the volume control on the subwoofer.
Weak or distorted bass	Adjust the volume control and low-pass filter. Experiment with the phase toggle switch (0°/180°). Check for proper placement and ensure no obstructions are blocking the woofer or port.
Subwoofer hums	Ensure all connections are secure. Try plugging the subwoofer into a different electrical outlet. If using line-level inputs, try a ground loop isolator.
Subwoofer does not turn on automatically	Ensure the 3-way power switch is set to 'Auto'. Increase the volume output from your receiver's subwoofer channel to ensure a strong enough signal for auto-on detection.

## Specifications

Feature	Detail
Model Name	PSW10
Speaker Type	Subwoofer
Subwoofer Diameter	10 Inches
Amplifier Continuous Power	50 Watts
Amplifier Dynamic Power	100 Watts
Low-Pass Crossover Frequency	80-160 Hz
Input Voltage	120 Volts (AC)
Product Dimensions (WxHxD)	14" x 14.38" x 16.12"
Item Weight	26 Pounds
Connectivity Technology	Wired (Auxiliary)
Color	Black

# TRADITIONAL WOODEN LOOK

in a titanium baffel design



Figure 3: Dimensions of the Polk Audio PSW10 Subwoofer.

## Warranty and Support

Your Polk Audio PSW10 Powered Subwoofer comes with a **Limited Warranty**. For specific details regarding warranty coverage, terms, and conditions, please refer to the included Policy Documentation or visit the official Polk Audio website. For technical support or service inquiries, please contact Polk Audio customer service.