

Peavey 497090

Peavey PRO 18 Low Frequency Audio Speaker User Manual

Model: 497090 | Brand: Peavey

1. PRODUCT OVERVIEW

The Peavey PRO 18 Low Frequency Audio Speaker is designed for robust audio reproduction. It features a Kevlar-impregnated cellulose cone, ensuring durability and sound quality. The speaker has a frequency range of 40 Hz to 1.5 kHz, making it suitable for low-frequency applications. It incorporates a 3.0-inch diameter voice coil constructed from thermally bonded copper wire, a Kapton former, and a Nomex stiffener for reliable performance.



Figure 1: Peavey PRO 18 Low Frequency Audio Speaker. This image displays the front view of the speaker, highlighting its cone and frame design.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating this product. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Power Source:** Ensure the speaker is connected to an appropriate power source as specified in the technical specifications.
- **Ventilation:** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- **Water and Moisture:** Do not expose this apparatus to rain or moisture. Do not use this apparatus near water.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Hearing Protection:** Prolonged exposure to high volume levels can cause permanent hearing damage. Use caution when setting volume levels.
- **Mounting:** If wall mounting, ensure the mounting surface can support the weight of the speaker and use appropriate hardware.

3. SETUP

This section guides you through the initial setup of your Peavey PRO 18 speaker.

3.1 Unpacking

Carefully remove the speaker from its packaging. Inspect the speaker for any signs of damage that may have occurred during transit. If any damage is found, contact your dealer immediately. Note that the product includes the speaker unit only; no additional components are included in the box.

3.2 Placement

Optimal placement is crucial for sound performance. Consider the following:

- **Room Acoustics:** Position the speaker to minimize reflections and standing waves.
- **Mounting Type:** This speaker is designed for wall mount applications. Ensure secure installation.
- **Dimensions:** The product dimensions are 20"D x 19"W x 9"H. Allow adequate space around the speaker for proper ventilation and sound dispersion.

3.3 Connections

The Peavey PRO 18 is a passive low-frequency speaker and requires an external amplifier. Ensure the amplifier's output impedance matches the speaker's impedance (1 Ohm).

1. Turn off all audio equipment before making any connections.
2. Connect the speaker to the amplifier's speaker output terminals using appropriate gauge speaker wire. Ensure correct polarity (positive to positive, negative to negative).
3. The subwoofer connectivity technology is wired, utilizing an auxiliary connection.

4. OPERATING INSTRUCTIONS

Follow these steps for proper operation of your Peavey PRO 18 speaker.

1. **Power On:** After all connections are secure, power on your amplifier and audio source.
2. **Volume Control:** Start with the amplifier's volume at its lowest setting. Gradually increase the volume to a comfortable listening level.
3. **Audio Output:** The speaker provides stereo audio output when connected to a compatible amplifier.

4. **Control Method:** While the speaker itself is passive, it is compatible with systems that utilize voice control for overall audio management.
5. **Recommended Use:** This speaker is recommended for home theater and home entertainment systems, as well as personal electronic device usage when paired with an appropriate amplifier.

5. MAINTENANCE

Proper maintenance ensures the longevity and performance of your speaker.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the speaker. Do not use liquid cleaners or aerosols.
- **Dust:** Regularly dust the speaker grille and cone to prevent accumulation that could affect sound quality.
- **Environment:** Keep the speaker in a dry environment, away from direct sunlight and extreme temperatures. The speaker is not waterproof.

6. TROUBLESHOOTING

If you encounter issues with your Peavey PRO 18 speaker, refer to the following common problems and solutions.

6.1 No Sound

- Ensure the amplifier is powered on and functioning correctly.
- Check all speaker cable connections at both the speaker and the amplifier. Verify correct polarity.
- Confirm the audio source is playing and its volume is turned up.

6.2 Distorted Sound or Rattling

- Reduce the volume level on your amplifier. Overdriving the speaker can cause distortion.
- Check for loose connections or damaged speaker wire.
- Inspect the speaker cone for any physical damage or debris.
- Ensure the speaker is securely mounted and not vibrating against other surfaces.

6.3 Intermittent Sound

- Check for loose or corroded connections.
- Ensure the amplifier is not overheating, which can cause it to cut out.

If these steps do not resolve the issue, contact Peavey customer support or a qualified service technician.

7. SPECIFICATIONS

Feature	Specification
Model Number	497090
Brand	Peavey
Speaker Type	Subwoofer
Woofer Diameter	18 Inches

Feature	Specification
Frequency Range	40 Hz to 1.5 kHz
Impedance (Znom)	8 Ohms (Revc: 6.30 Ohms)
BL (T/M)	25.10
Sd (Square Meters)	0.126
Voice Coil Diameter	3.0 inches
Speaker Maximum Output Power	800 Watts
Connectivity Technology	Auxiliary, Wired
Audio Output Mode	Stereo
Product Dimensions	20"D x 19"W x 9"H
Item Weight	19.01 pounds
Mounting Type	Wall Mount
Color	Black
UPC	014367136302

8. WARRANTY AND SUPPORT

This Peavey PRO 18 Low Frequency Audio Speaker comes with a Full Warranty. For specific terms and conditions of your warranty, please refer to the documentation provided at the time of purchase or visit the official Peavey website.

For technical support, service inquiries, or to view additional product information, please visit the [Peavey Brand Store](#) or contact Peavey customer service directly.