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> [PRV AUDIO 69MR500-PhP-4 6x9 Inch Midrange Speaker Instruction Manual](#)

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Model: 69MR500-PhP-4

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your PRV AUDIO 69MR500-PhP-4 6x9 Inch Midrange Speaker. Please read these instructions thoroughly before installation to ensure optimal performance and longevity of your product.

SAFETY INFORMATION

Always observe the following safety precautions during installation and operation:

- Disconnect the vehicle's battery before beginning any electrical work to prevent short circuits.
- Ensure all wiring is correctly routed and secured to prevent damage from moving parts or sharp edges.
- Use appropriate gauge wiring for power and speaker connections to handle the speaker's power requirements.
- Avoid installing speakers in locations that obstruct vehicle safety features (e.g., airbags, seatbelts).
- Do not expose the speaker to excessive moisture or extreme temperatures.
- Seek professional installation if you are unsure about any steps.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x PRV AUDIO 69MR500-PhP-4 6x9 Inch Midrange Speaker

SPECIFICATIONS

Feature	Detail
Model Name	69MR500-PHP-4
Speaker Type	Midrange Speaker
Speaker Size	6x9 Inches
Program Power	500 Watts
RMS Power	250 Watts
Impedance	4 Ohms
Voice Coil	1.5 inches
Frequency Response	500 – 12,000 Hz
Special Feature	Aluminum Phase Plug (Bullet)
Material	Aluminum, Plastic
Product Dimensions	8.26"D x 5.75"W x 11.3"H
Item Weight	5.35 Pounds

For detailed dimensions, refer to the diagrams below:



Figure 1: Side view dimensions of the 69MR500-PhP-4 speaker, showing a depth of 3.86 inches (98mm) and mounting depth of 3.54 inches (90mm).



Figure 2: Top view dimensions of the 69MR500-PhP-4 speaker, showing a width of 9.25 inches (235mm) and height of 6.38 inches (162mm).

SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your speaker. Follow these general steps:

1. **Planning:** Choose a suitable mounting location in your vehicle that allows for proper speaker depth and clearance. Ensure the location does not interfere with window mechanisms or other vehicle components.
2. **Disconnect Power:** Before starting any electrical work, disconnect the negative terminal of your vehicle's battery to prevent electrical shorts.
3. **Mounting:**
 - Carefully cut a mounting hole of the appropriate size (refer to specifications for cutout dimensions) if not using existing openings.
 - Secure the speaker firmly using the provided screws or appropriate mounting hardware. Ensure there are no air leaks around the speaker frame.
4. **Wiring:**
 - Connect the positive (+) terminal of the speaker to the positive (+) output of your amplifier or head unit.
 - Connect the negative (-) terminal of the speaker to the negative (-) output of your amplifier or head unit.
 - Ensure all connections are secure and insulated to prevent short circuits.
 - This speaker is designed for midrange frequencies. Consider using a 1 kHz high-pass filter to protect the driver and optimize sound fidelity, especially in high-power installations.
5. **Recheck Connections:** Double-check all wiring connections for correct polarity and security.
6. **Reconnect Power:** Reconnect the vehicle's battery.



Figure 3: Front view of the PRV AUDIO 69MR500-PhP-4 midrange speaker, showing the cone and phase plug.



Figure 4: Rear view of the PRV AUDIO 69MR500-PhP-4 midrange speaker, showing the magnet and terminals.

OPERATING INSTRUCTIONS

Once installed, operate your PRV AUDIO midrange speaker as part of your car audio system:

- **Initial Power-Up:** Turn on your car audio system at a low volume.
- **Audio Settings:** Adjust the equalizer and crossover settings on your head unit or amplifier to properly integrate the midrange speaker with other components (tweeters, woofers, subwoofers).
- **Volume Control:** Gradually increase the volume to a comfortable listening level. Avoid excessive volume that causes distortion, as this can damage the speakers.
- **Break-in Period:** Allow a break-in period of several hours of normal listening to allow the speaker's suspension to loosen, which can improve sound quality.

MAINTENANCE

To ensure the longevity and performance of your speaker:

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker cone and frame. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check the speaker for any signs of damage, loose connections, or wear.

- **Environmental Protection:** Protect the speaker from direct sunlight, extreme heat, and moisture, which can degrade materials over time.

TROUBLESHOOTING

If you encounter issues with your speaker, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound	Loose or incorrect wiring; amplifier off or in protect mode; damaged speaker.	Check all wiring connections and polarity. Verify amplifier is powered on and not in protect mode. Test speaker with another audio source if possible.
Distorted Sound	Overpowering the speaker; incorrect amplifier gain settings; improper crossover settings; damaged speaker.	Reduce volume. Adjust amplifier gain to match head unit output. Ensure high-pass filter is set correctly (e.g., 1 kHz). Check for physical damage to the speaker cone or surround.
Weak or Muffled Sound	Incorrect polarity; phase issues; improper equalizer settings.	Verify speaker wire polarity (+ to + and - to -). Check phase settings on your head unit or amplifier. Adjust equalizer settings to enhance midrange frequencies.

If problems persist, consult a professional car audio installer or contact PRV AUDIO customer support.

WARRANTY AND SUPPORT

This PRV AUDIO speaker comes with a **Limited Warranty**. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or further assistance, please visit the official PRV AUDIO website or contact their customer service department. You can find more information and contact details on the [PRV AUDIO Store on Amazon](#).