

Pyle PDMR5

Pyle PDMR5 5-Inch Mid-Bass Mid-Range Woofer Driver Instruction Manual

Model: PDMR5

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Pyle PDMR5 5-inch Mid-Bass Mid-Range Woofer Driver. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of the product.

The Pyle PDMR5 is a high-performance 5-inch speaker driver designed for mid-bass and mid-range audio reproduction. It features a 5-inch paper coating cone, a 1-inch high-temperature aluminum voice coil, and an 8-ohm impedance, delivering 100 Watts RMS and 200 Watts Peak power with a frequency response of 450Hz - 7kHz and 92dB sensitivity. Its sealed back design contributes to its performance characteristics.

2. PRODUCT FEATURES

- **Speaker Type:** 5-inch Mid-Bass Mid-Range Woofer Driver
- **Power Handling:** 100 Watts RMS / 200 Watts Peak
- **Cone Material:** 5-inch Paper Coating Cone
- **Voice Coil:** 1-inch High Temperature Aluminum Voice Coil
- **Magnet Structure:** 15 oz
- **Sensitivity:** 92dB (1w/1m)
- **Frequency Response:** 450Hz - 7kHz
- **Impedance:** 8 Ohm
- **Design:** Sealed Back

3. SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your speaker driver. It is recommended to have installation performed by a qualified professional if you are unfamiliar with car audio wiring.

3.1 Unpacking

Carefully remove the speaker driver from its packaging. Inspect for any signs of damage during transit. Retain all packaging materials for future transport or service needs.



Image: The Pyle PDMR5 speaker driver shown next to its product packaging, indicating what is typically included in the box.

3.2 Mounting Considerations

- **Location:** Choose a mounting location that provides adequate space for the speaker's depth and allows for proper sound dispersion. Ensure the location is free from obstructions and moisture.
- **Cutout Diameter:** The minimum cutout diameter required is approximately 110mm (4.33 inches).
- **Mounting Depth:** The mounting depth is 2 inches. Verify that there is sufficient clearance behind the mounting surface.
- **Overall Diameter:** The overall diameter of the speaker is 5.15 inches.



Image: A hand holding the Pyle PDMR5 speaker driver, with a ruler indicating its 5.5-inch dimension, demonstrating its physical size.



Image: A Pyle PDMR5 speaker driver being held up to a car door panel, illustrating a typical installation scenario for a 5-inch speaker.

3.3 Wiring Connections

The PDMR5 features an 8-ohm impedance. Connect the speaker to your amplifier or crossover network using appropriate gauge speaker wire. Ensure correct polarity (+ to + and - to -) to avoid phase issues that

can degrade sound quality.



Image: The rear view of the Pyle PDMR5 speaker driver, clearly showing the positive and negative terminals for wiring connections.



Image: A detailed close-up of the wiring terminals on the back of the Pyle PDMR5 speaker driver, highlighting the connection points.

4. OPERATING INSTRUCTIONS

Once installed, the PDMR5 speaker driver is ready for operation. Follow these guidelines for optimal performance:

- **Amplifier Matching:** Ensure your amplifier's power output is within the recommended range for the PDMR5 (100W RMS, 200W Peak). Overpowering can lead to damage.
- **Crossover Settings:** As a mid-bass/mid-range driver, the PDMR5 is designed to operate within a frequency range of 450Hz - 7kHz. Use an external crossover or your amplifier's built-in crossover to filter out frequencies outside this range. This protects the speaker from low-frequency damage and high-frequency distortion.
- **Volume Control:** Gradually increase the volume to assess sound quality and prevent sudden overloads. Avoid prolonged listening at excessively high volumes to prevent speaker damage and hearing loss.
- **Break-in Period:** New speakers may benefit from a break-in period of several hours of moderate use. This allows the cone and surround materials to loosen up, potentially improving sound quality.



Image: The Pyle PDMR5 speaker driver displayed alongside an amplifier and other car audio components, illustrating a complete audio system setup.

5. MAINTENANCE

The Pyle PDMR5 speaker driver requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Use a soft, dry cloth to gently wipe the cone and surround. Avoid using harsh chemicals or excessive moisture, which can damage the speaker materials.
- **Protection:** If installed in an exposed area, consider using a speaker grille (not included with this model) to protect the cone from physical damage.
- **Environmental Factors:** Avoid exposing the speaker to extreme temperatures, direct sunlight for prolonged periods, or high humidity, as these can degrade materials over time.

6. TROUBLESHOOTING

If you encounter issues with your PDMR5 speaker driver, refer to the following common troubleshooting steps:

- **No Sound:**

- Check all wiring connections from the amplifier to the speaker for secure contact and correct polarity.
 - Verify that the amplifier is powered on and functioning correctly.
 - Ensure the audio source is playing and properly connected.
- **Distorted Sound:**
- Reduce the volume level. Distortion often occurs when the amplifier or speaker is overdriven.
 - Check crossover settings. Incorrect crossover points can cause distortion, especially if the speaker is receiving frequencies outside its optimal range.
 - Inspect the speaker cone and surround for any physical damage.
 - Ensure the amplifier's gain settings are not set too high, leading to clipping.
- **Weak or Uneven Sound:**
- Check speaker polarity. Incorrect wiring (e.g., one speaker wired out of phase) can cause cancellation and weak bass.
 - Verify that the speaker is securely mounted and not vibrating against other surfaces.

If problems persist after following these steps, consult a qualified car audio technician.

7. SPECIFICATIONS

Feature	Specification
Model Name	PDMR5
Speaker Type	Woofer (Mid-Bass Mid-Range)
Speaker Size	5 Inches
Power Handling (RMS)	100 Watts
Power Handling (Peak)	200 Watts
Impedance	8 Ohm
Frequency Response	450Hz - 7kHz
Sensitivity	92dB (1w/1m)
Magnet Structure	15 oz
Voice Coil	1-inch High Temperature Aluminum
Mounting Depth	2 Inches
Minimum Cutout Diameter	110mm (approx. 4.33 inches)
Overall Diameter	5.15 Inches
Product Dimensions (D x W x H)	2.64"D x 5.2"W x 5.2"H
Item Weight	1.92 Pounds
Connectivity Technology	Wired

Feature	Specification
Color	Black



Image: The rear of the Pyle PDMR5 speaker driver, showing key specifications like impedance, sensitivity, magnet structure, and frequency response printed on the magnet cover.

8. WARRANTY INFORMATION


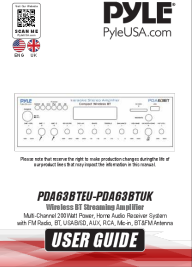
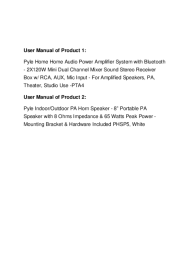
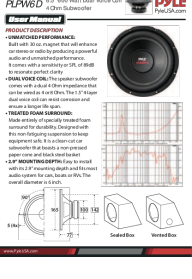
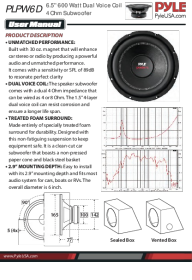

This Pyle product comes with a **Limited Warranty**. For specific details regarding warranty coverage, duration, and terms, please refer to the warranty card included with your product or contact Pyle customer support. Keep your proof of purchase for warranty claims.

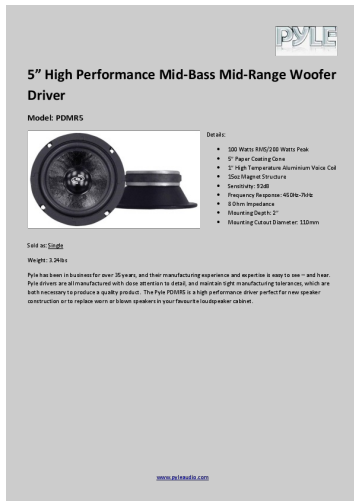
9. CUSTOMER SUPPORT

For technical assistance, service, or further information regarding your Pyle PDMR5 speaker driver, please visit the official Pyle website or contact their customer support department. Contact information can typically be found on the product packaging or the Pyle website.

Website: www.pyleusa.com

Related Documents - PDMR5

	<p>Pyle PDMR5 5-Inch Mid-Bass Mid-Range Woofer Driver User Guide</p> <p>User guide for the Pyle PDMR5 5-inch mid-bass mid-range woofer driver, detailing specifications, installation instructions, product registration, and safety information.</p>
	<p>Pyle PDA63BTEU-PDA63BTUK 200W Wireless Bluetooth Amplifier User Guide</p> <p>Get the most out of your Pyle PDA63BTEU-PDA63BTUK 200W wireless Bluetooth streaming amplifier. This user guide covers setup, features, controls, technical specifications, and safety information for this multi-channel home audio receiver.</p>
	<p>Pyle PTA4 Amplifier & PHSP4/PHSP5 PA Horn Speakers User Manual</p> <p>User manual for Pyle PTA4 Compact Wireless BT 2-Channel Mini Stereo Power Amplifier and Pyle PHSP4/PHSP5 Indoor/Outdoor PA Horn Speakers. Learn about features, controls, safety instructions, technical specifications, and connection diagrams for these home audio and PA system components.</p>
	<p>Pyle PLPW6D 6.5-Inch 600 Watt Dual Voice Coil 4 Ohm Subwoofer User Manual</p> <p>User manual for the Pyle PLPW6D, a 6.5-inch 600-watt dual voice coil 4-ohm subwoofer. Details product description, performance, dual voice coil features, treated foam surround, mounting depth, enclosure parameters, general specifications, and Thiele-Small parameters.</p>
	<p>Pyle PLPW6D 6.5-Inch 600W Dual Voice Coil 4 Ohm Car Subwoofer User Manual</p> <p>Detailed user manual for the Pyle PLPW6D 6.5-inch, 600-watt dual voice coil 4-ohm car subwoofer. Features include product description, unmatched performance, dual voice coil benefits, treated foam surround, mounting depth, enclosure parameters, general specifications, Thiele-Small parameters, and physical information.</p>
	<p>Pyle PT260A Home Theater BT Digital Receiver 200W Operating Manual</p> <p>Comprehensive operating manual for the Pyle PT260A Home Theater BT Digital Receiver. Learn about safety instructions, features, connections, front/rear panel controls, remote operation, and technical specifications for this 200-watt receiver.</p>



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5 High Performance Mid-Bass Mid-Range Woofer Driver Model: **PDMR5** Details: 100 Watts RMS/200 Watts Peak 5 Paper Coating Cone 1 High Temperature Aluminium Voice Coil 15oz Magnet Structure Sensitivity: 92dB Frequency Response: 450Hz-7kHz 8 Ohm Impedance Mounting Depth: 2 Mounting Cutout ...

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[Pyle Mounts, Stands, and Holders Product Catalog](#)

Explore the comprehensive range of Pyle and PylePro mounts, stands, and holders for TVs, computers, musical instruments, microphones, projectors, and tablets. This catalog showcases various solutions for home, office, and professional audio-visual setups.

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[Pyle 2018 Product Catalog](#)

This comprehensive catalog showcases the diverse range of consumer electronics offered by Pyle in 2018, covering car audio, marine, home, health, and professional sound solutions.

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[Pyle 2017 Product Catalog: Consumer Electronics & Audio/Video Solutions](#)

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