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Pyle PLMRMB4CB

Pyle 4-Channel Marine Amplifier User Manual

Model: PLMRMB4CB | Brand: Pyle

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Pyle 4-Channel Marine Amplifier (Model: PLMRMB4CB). Designed for marine and vehicle applications, this amplifier features Bluetooth wireless audio streaming and a waterproof design, ensuring robust performance in various environments.



Figure 1: Pyle 4-Channel Marine Amplifier (PLMRMB4CB) with included accessories.

Key Features:

- Wireless Bluetooth Connectivity (Version 2.0, 30'+ range)
- Compact and Powerful Design (4x100W RMS @ 4 Ohm, 4x200W MAX @ 4 Ohm, 4x300W RMS @ 2 Ohm)
- Weatherproof and Water-Resistant (IP-65 Marine Grade)
- Wired Auxiliary (RCA) Audio Connection
- Integrated Cables for Easy Installation
- Anti-Thump Turn-On and Soft Turn On/Off
- LED Indicator Light and Power Protection Circuitry

2. WHAT'S IN THE BOX

Upon opening the product packaging, verify that all components listed below are present and in good condition:

- 1 x Pyle 4-Channel Marine Amplifier (PLMRMB4CB)
- 1 x Waterproof Smartphone/Device Bag
- 1 x Smartphone/Device Audio Connection Cable (Auxiliary RCA)
- 1 x Wired Volume Control Unit
- Integrated Cables and Wires for Installation
- Mounting Brackets



Figure 2: All components included with the Pyle PLMRMB4CB Marine Amplifier.

3. SETUP & INSTALLATION

Proper installation is crucial for optimal performance and longevity of your amplifier. Ensure the power source is disconnected before beginning installation.

3.1 Mounting the Amplifier

Select a dry, well-ventilated location for mounting the amplifier. Although the unit is waterproof, avoiding direct

exposure to extreme elements will prolong its lifespan. Use the provided mounting brackets and screws to secure the amplifier firmly.

4-CH. MARINE AMPLIFIER

AUDIO STREAM • MARINE GRADE • CONNECTIVITY

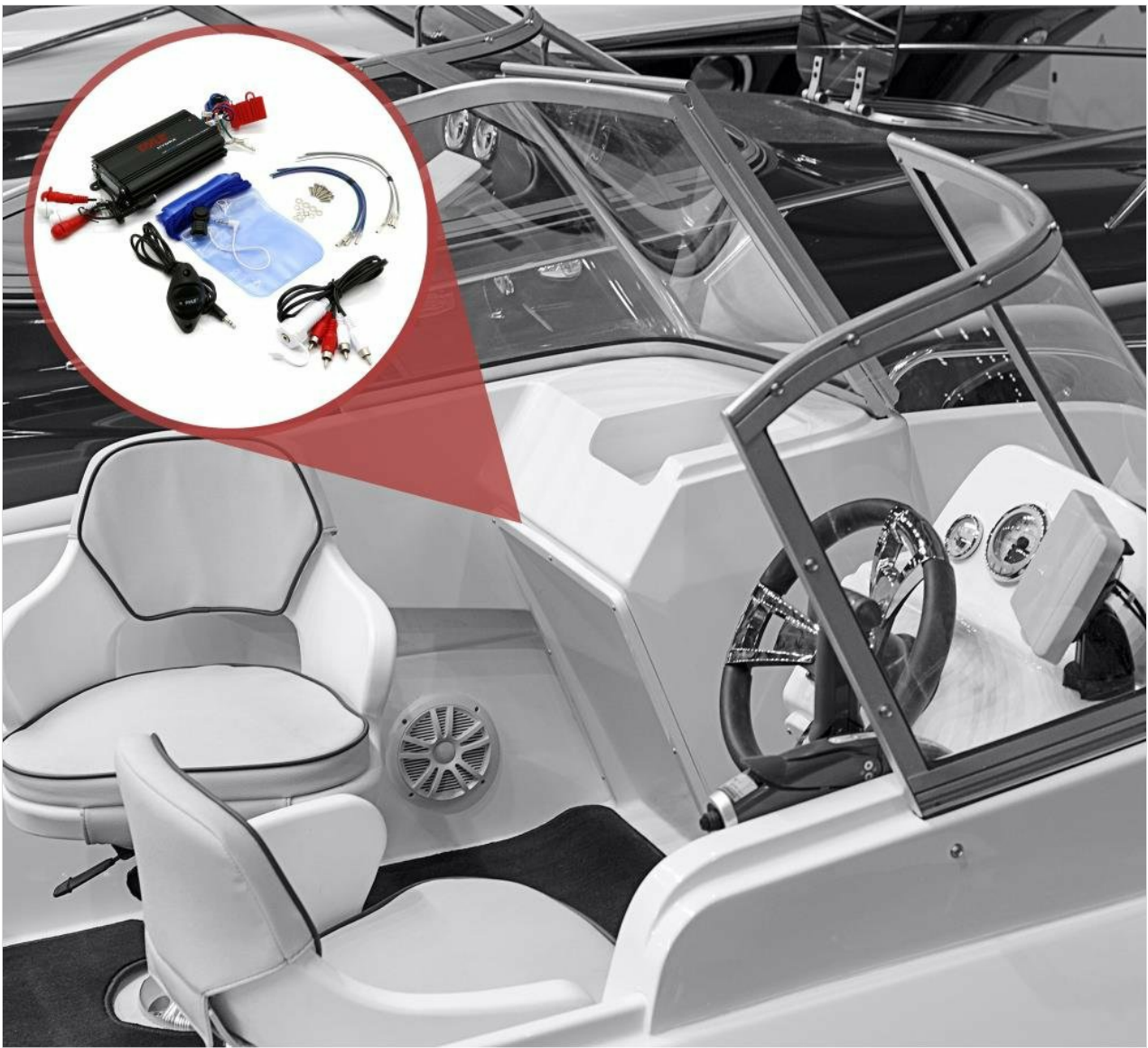


Figure 3: Amplifier dimensions for mounting consideration (6.1" x 3.4" x 1.4").

3.2 Wiring Connections

The amplifier comes with integrated cables for simplified wiring. Connect the power, ground, and speaker wires according to the diagram in the full user manual. Ensure all connections are secure and properly insulated to prevent short circuits.

- **Power (Red):** Connect to a 12V DC power source (e.g., battery positive terminal) with an inline 10A fuse.
- **Ground (Black):** Connect to a solid chassis ground point.
- **Remote Turn-On (Blue):** Connect to the remote output of your head unit or an ignition-switched 12V source. This wire turns the amplifier on/off with your vehicle's ignition.
- **Speaker Outputs:** Connect your speakers to the corresponding color-coded wires. The amplifier supports 4-channel output.
- **Audio Input (RCA):** Use the provided RCA cable to connect your audio source (e.g., smartphone, head unit) to the amplifier's RCA input jacks.



Used for Mobile Boat and **Aquatic Vehicle Applications**

Figure 4: The compact design allows for discreet installation in various mobile and aquatic applications.

3.3 Bluetooth Pairing

The amplifier features built-in Bluetooth for wireless audio streaming. Once the amplifier is powered on (indicated by the LED light), it will automatically enter pairing mode.

1. Ensure Bluetooth is enabled on your audio device (smartphone, tablet, etc.).
2. Search for available Bluetooth devices.
3. Select "Pyle Amplifier" from the list of devices to pair.
4. Once paired, the LED indicator on the amplifier will change from blinking to solid, confirming a successful connection.



Figure 5: The amplifier's built-in Bluetooth and weatherproof design.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

The amplifier powers on automatically when the remote turn-on wire receives a 12V signal (typically from your vehicle's ignition or head unit). The LED indicator light will illuminate when the unit is active. To power off, simply turn off your vehicle's ignition or the connected head unit.

4.2 Volume Control

Use the provided wired volume control unit to adjust the audio output level. Connect this unit to the designated port on the amplifier. Alternatively, if using a head unit, volume can be controlled directly from the head unit.

4.3 Audio Playback

Once your device is paired via Bluetooth or connected via the auxiliary RCA input, you can begin playing audio. Adjust the volume to your desired listening level. The amplifier is designed to deliver full-range stereo sound.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Pyle Marine Amplifier, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe down the amplifier with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Water Resistance:** While designed to be water-resistant (IP-65), avoid submerging the unit. Ensure all connections are tight and sealed to maintain water integrity.
- **Connections:** Periodically check all wiring connections for tightness and corrosion. Loose connections can lead to poor performance or damage.
- **Ventilation:** Ensure the amplifier's heat sinks are not obstructed to allow for proper heat dissipation.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No Power / No LED Light	Blown fuse, loose power/ground connection, no remote turn-on signal.	Check and replace fuse (10A). Verify all power, ground, and remote connections are secure.
No Sound Output	Incorrect speaker wiring, no audio input, low volume, amplifier in protection mode.	Check speaker connections. Ensure audio source is playing and connected. Increase volume. Check for protection mode (LED might be red or off).
Bluetooth Not Connecting	Device too far, amplifier not in pairing mode, interference.	Ensure device is within 30ft range. Power cycle amplifier. Clear previous Bluetooth connections on your device.
Distorted Sound	Input signal too high, damaged speakers, poor connections.	Reduce volume from audio source. Inspect speakers for damage. Check all wiring connections.

For further assistance, please refer to the complete user manual or contact Pyle customer support.

7. SPECIFICATIONS

Feature	Detail
RMS Power (4 Ohm)	4 x 100 Watts
MAX Power (4 Ohm)	4 x 200 Watts
RMS Power (2 Ohm)	4 x 300 Watts
Waterproof Marine Grade Rating	IP-65
Bluetooth Version	2.0
Wireless Range	30'+ Feet
T.H.D.	0.05%
S/N Ratio	> 95 dB
Channel Separation	> 65 dB
Frequency Response	10-40 kHz
Fuse	10A
Power	DC 12V
Amplifier Dimensions (L x W x H)	6.1" x 3.4" x 1.4"

8. WARRANTY & SUPPORT

Pyle products are designed for durability and performance. For detailed warranty information and terms, please refer to the official Pyle website or the full user manual provided with your product.

For technical support or customer service inquiries, please visit the Pyle USA website or contact their support team directly. The full user manual in PDF format can be accessed via this link: [Pyle PLMRMB4CB User Manual \(PDF\)](#).