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Pyle PLRMR27BTB

Pyle Marine Audio System User Manual

Model: PLRMR27BTB, PLMR24B, PLMRA400, EKMR2, EM16G50FT-OFC

PRODUCT OVERVIEW

This comprehensive marine audio system package includes the Pyle PLRMR27BTB Marine Bluetooth Receiver Stereo, three pairs of Pyle PLMR24B 3.5" 200W 3-Way Weather Proof Mini Box Speakers, a Pyle PLMRA400 4-Channel 400W Waterproof Marine Amplifier, an Enrock Marine EKMR2 Antenna, and 50 feet of Enrock Marine 16-Gauge Speaker Wire. Designed for marine and outdoor environments, this system provides robust audio performance and connectivity.



Image: The complete Pyle marine audio system package, including the receiver, six speakers, amplifier, antenna, and speaker wire.

SYSTEM COMPONENTS

Pyle PLRMR27BTB Marine Bluetooth Receiver Stereo

This in-dash console marine stereo system features Bluetooth for wireless music streaming and hands-free calling via its built-in microphone. It supports USB flash drives and Micro SD memory cards, and includes an Aux (3.5mm) input for external devices. Rear RCA (L/R) output jacks are provided for additional connectivity. The LCD digital display panel shows ID3 Tag song information (Name, Title, Artist). Audio adjustments include Bass, Treble, Balance, and Fader controls.



Image: Front view of the Pyle PLRMR27BTB Marine Bluetooth Receiver Stereo, showing the display and control buttons.

Pyle PLMR24B 3.5" 200W 3-Way Weather Proof Mini Box Speakers (3 Pairs)

These 3.5-inch, 200-watt, 3-way speakers are designed for marine, deck, poolside, and outdoor use, featuring a completely waterproof construction. Each speaker includes a 3.5" aluminum injection cone woofer, a 1.75" wide dispersion cone midrange, and a 1" super dome tweeter. They have a 24 oz. magnet structure, 4 Ohms impedance, and a frequency response of 70-21 kHz. The speakers are equipped with a built-in capacitor crossover network for high-quality frequency separation and a removable rustproof mesh grill.



Image: A pair of Pyle PLMR24B Weather Proof Mini Box Speakers, showing their compact design and mounting bracket.

Pyle PLMRA400 4-Channel 400W Waterproof Marine Amplifier

This 4-channel amplifier provides 100W x 4 output (IC Power) and is completely waterproof. It features high/low level inputs, remote turn on/off capability, and gold-plated RCA inputs for optimal signal transfer. The aluminum alloy heatsink ensures efficient heat dissipation. Mounting screws and hardware are included for installation.

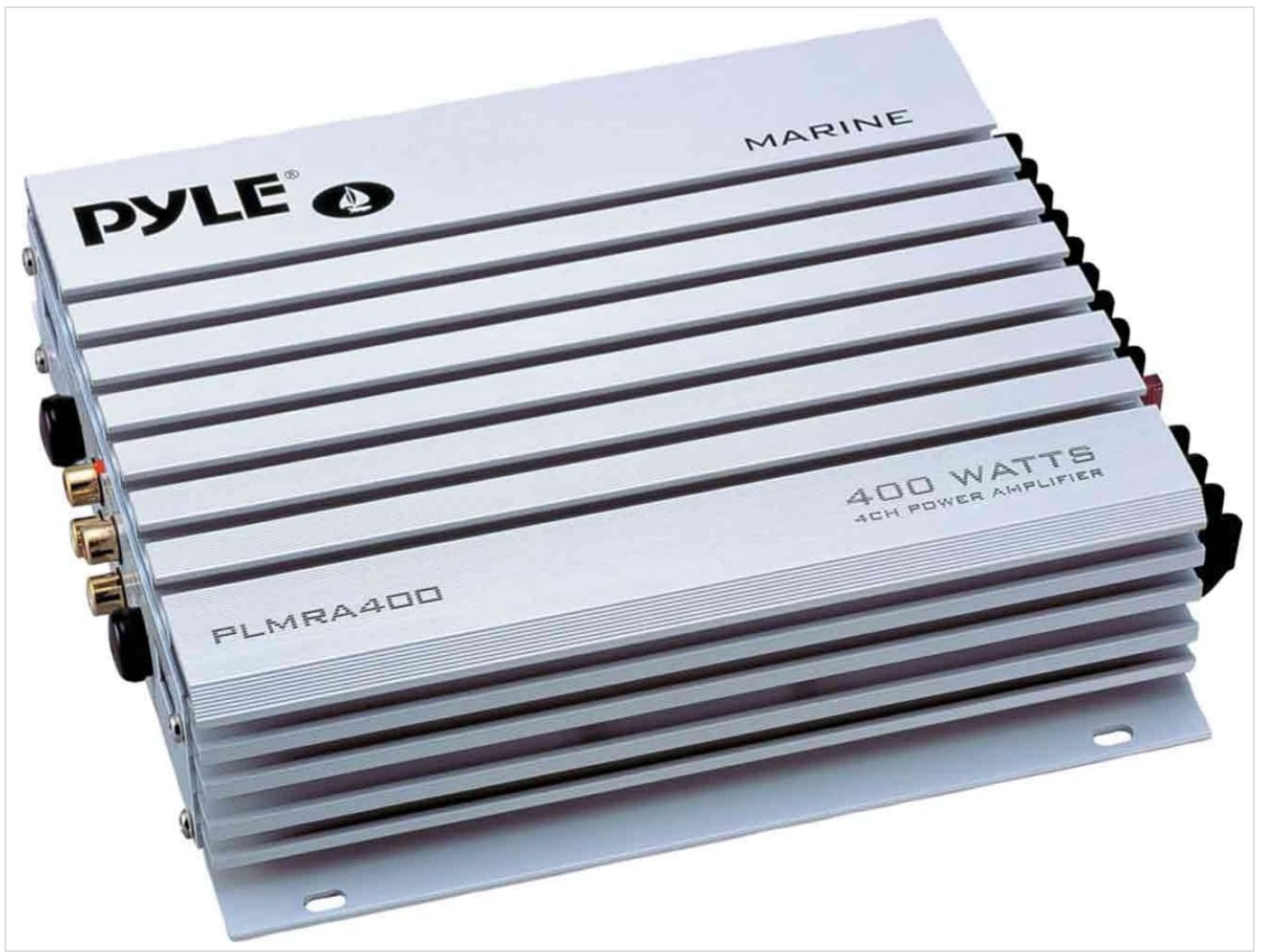


Image: The Pyle PLMRA400 4-Channel 400W Waterproof Marine Amplifier, showcasing its heatsink design.

Enrock Marine EKMR2 Antenna

The Enrock EKMR2 is a weather-resistant AM/FM marine antenna. It features a flexible 40-inch wire with a plug, making it suitable for various mounting locations. Its corrosion-resistant rubber exterior ensures durability in marine environments.



Image: The Enrock Marine EKMR2 Antenna, showing its flexible wire and connector.

Enrock Marine EM16G50FT-OFC 16-Gauge Speaker Wire (50 Feet)

This 50-foot spool of 16-gauge marine-grade speaker wire is designed to connect audio speakers to an A/V receiver or amplifier. It features tin-plated copper conductors and a durable plastic jacket, ensuring high-quality, undistorted signal transmission in marine conditions.



Image: A spool of Enrock Marine 16-Gauge Speaker Wire, highlighting its marine-grade quality.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your marine audio system. It is recommended that installation be performed by a qualified professional.

General Guidelines:

- **Power Connection:** Ensure all power connections are secure and properly fused. Connect the main power wire from the amplifier and receiver directly to the boat's battery, ensuring proper grounding.
- **Speaker Wiring:** Use the provided 16-gauge marine-grade speaker wire to connect the PLMR24B speakers to the PLMRA400 amplifier. Observe correct polarity (+ to + and - to -) for all speaker connections.
- **Amplifier to Receiver Connection:** Connect the RCA outputs from the PLRMR27BTB receiver to the RCA inputs on the PLMRA400 amplifier. Ensure the remote turn-on wire from the receiver is connected to the amplifier's remote

input.

- **Antenna Installation:** Mount the Enrock EKMR2 antenna in a location that provides optimal AM/FM reception, away from large metal objects that could interfere with the signal. Connect the antenna cable to the receiver's antenna input.
- **Waterproofing:** While components are weather-resistant, ensure all connections are sealed and protected from direct water exposure where possible, especially in areas prone to splashing or submersion.
- **Mounting:** Securely mount all components using appropriate marine-grade hardware. Ensure adequate ventilation for the amplifier to prevent overheating.

OPERATION GUIDE

Pyle PLRMR27BTB Marine Bluetooth Receiver Stereo:

- **Power On/Off:** Press the power button to turn the unit on or off.
- **Source Selection:** Use the 'MODE' button to cycle through available sources: FM/AM Radio, Bluetooth, USB, Micro SD, and AUX input.
- **Bluetooth Pairing:**
 1. Ensure Bluetooth is enabled on your mobile device.
 2. Select 'Bluetooth' mode on the receiver.
 3. Search for "PYLE" or "PLRMR27BTB" on your device's Bluetooth settings and connect.
 4. Once paired, you can stream audio and make hands-free calls.
- **USB/Micro SD Playback:** Insert a USB flash drive or Micro SD card into the respective slot. The unit will automatically begin playing compatible audio files. Use the track forward/backward buttons for navigation.
- **AUX Input:** Connect external audio devices (smartphones, MP3 players) to the 3.5mm AUX input jack using a stereo audio cable. Select 'AUX' mode on the receiver.
- **Radio Operation:**
 1. Select 'FM' or 'AM' mode.
 2. Use the tuning buttons to manually search for stations or the seek buttons for automatic station scanning.
 3. Press and hold preset buttons to save favorite stations.
- **Audio Adjustments:** Use the dedicated buttons or menu options to adjust Bass, Treble, Balance (left/right), and Fader (front/rear) settings to customize your sound.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your marine audio system.

- **Cleaning:** Use a soft, damp cloth to wipe down the surfaces of the receiver, speakers, and amplifier. Avoid abrasive cleaners or solvents. For stubborn dirt, a mild soap solution can be used, followed by a rinse with clean water and thorough drying.
- **Connection Checks:** Periodically inspect all wiring connections for corrosion, looseness, or damage. Clean any corroded terminals and ensure all connections are tight and secure.
- **Speaker Grills:** Keep speaker grills free of debris. The PLMR24B speakers have removable rustproof mesh grills for easier cleaning.
- **Environmental Protection:** While designed for marine use, protecting the system from prolonged direct exposure to harsh elements (e.g., extreme UV, saltwater spray) when not in use can extend its lifespan. Consider using protective covers if available.

TROUBLESHOOTING

If you encounter issues with your Pyle marine audio system, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Power to Receiver/Amplifier	Blown fuse, loose power connection, incorrect wiring.	Check the inline fuse on the power wire. Verify all power and ground connections are secure and correctly wired to the battery.
No Sound from Speakers	Speaker wires disconnected, amplifier not powered, incorrect input selected, volume too low.	Check all speaker wire connections at both the amplifier and speakers. Ensure the amplifier is powered on (check its power LED). Confirm the correct audio source is selected on the receiver and increase volume.
Bluetooth Not Connecting	Device not in pairing mode, receiver not in Bluetooth mode, interference.	Ensure the receiver is in Bluetooth mode. Put your mobile device in pairing mode and search for "PYLE". Try restarting both the receiver and your mobile device. Move closer to the receiver.
Poor Radio Reception	Antenna not connected, antenna poorly positioned, interference.	Check the antenna connection to the receiver. Reposition the antenna for better signal. Avoid mounting near large metal objects or other electronic devices that may cause interference.
Distorted Sound	Volume too high, incorrect EQ settings, damaged speaker/amplifier.	Reduce the volume level. Adjust Bass/Treble settings on the receiver. Inspect speakers for physical damage. If distortion persists, consult a professional.

TECHNICAL SPECIFICATIONS

Component	Specification	Value
PLRMR27BTB Receiver	Connectivity Technology	RCA, Bluetooth, Auxiliary, USB
	Special Feature	DAB (Digital Audio Broadcasting)
	Compatible Devices	Smartphone, Speaker
	Connector Type	USB, 3.5mm Jack
	Audio Output Mode	Stereo
	Surround Sound Channel Configuration	4 Channel
	Wattage	200 watts
PLMR24B Speakers	Power Output	100W RMS / 200W Peak
	Frequency Response	70-21 Khz
	Impedance	4 Ohms
	Dimensions (each)	5.25"W x 3.75"H x 3.75"D
PLMRA400 Amplifier	Output Power	100W x 4 (IC Power)

Component	Specification	Value
	Number of Channels	4
	Dimensions	7.87" W x 2" H x 8.0" L
EKMR2 Antenna	Cable Length	40 inches
EM16G50FT-OFC Wire	Gauge / Length	16 Gauge / 50 Feet

WARRANTY AND SUPPORT

For detailed warranty information regarding your Pyle marine audio system components, please refer to the warranty card included with your product or visit the official Pyle website. Warranty terms and conditions may vary by component and region.

For technical support, troubleshooting assistance beyond this manual, or inquiries about replacement parts, please contact Pyle customer service. Contact information can typically be found on the manufacturer's website or product packaging.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question