

ABBREE MR-25

Instruction Manual for ABBREE Marine Radio VHF Handheld Radio

Model: MR-25

Brand: ABBREE

1. INTRODUCTION

The ABBREE MR-25 Marine Radio is a VHF handheld radio designed for marine environments. It features IP67 waterproofing, allowing it to float and withstand submersion. Key functionalities include noise-cancelling microphone, NOAA weather alerts, dual/tri-watch monitoring, and a unique vibration water draining function to protect internal components.



Figure 1: ABBREE MR-25 Marine Radios and accessories.

2. WHAT'S IN THE BOX

Each package contains the following items:

- 2 x ABBREE MR-25 Marine Radios
- 10 x AAA 850 mAh Ni-MH Rechargeable Batteries (5 per radio)
- 2 x Charging Cables
- 2 x DC Chargers
- 2 x AC Adapters
- 2 x Belt Clips
- 2 x Hand Straps (Slings)
- 1 x Instruction Manual

Standard parcel list



Figure 2: Standard package contents for the MR-25 radio.

3. SETUP

3.1 Battery Installation

The MR-25 radio uses 5 AAA 850 mAh Ni-MH rechargeable batteries. Ensure correct polarity when installing the batteries.

1. Open the battery compartment cover on the back of the radio.
2. Insert 5 AAA Ni-MH batteries, ensuring the "+" and "-" terminals align with the icons marked on the radio.
3. Close the battery compartment cover securely.

Important Notice

▶ Charging Problem

If the battery is not properly installed, it may result in inability to charge or poor contact, making it impossible to charge, you need to remove the battery and reinstall it

▶ How to correctly install batteries

Please ensure that the "+" and "-" terminals correspond to the icons marked on the radio!



Figure 3: Correct battery installation for the MR-25.

3.2 Charging the Radio

The radio supports multiple charging methods: wall charger and car charger.

1. Connect the charging cable to the radio's charging port.
2. Connect the other end of the charging cable to either the AC adapter (for wall charging) or the DC charger (for car charging).
3. Plug the adapter/charger into a power source.
4. When charging, the keyboard will display a red indicator light.

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Video 1: Demonstration of battery installation and charging process.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off and Volume Control

To power on the radio, rotate the top knob clockwise. Continue rotating to adjust the volume. Rotate counter-clockwise until a click is heard to power off.

4.2 Channel Selection

Use the up/down arrow buttons to navigate through available channels. The radio supports 16 channels.

4.3 Dual/Tri Watch Function

The Dual/Tri Watch feature allows simultaneous monitoring of multiple channels.

- **Dual Watch:** Watch and monitor in turns between the current channel and Channel 16.
- **Tri Watch:** Watch and monitor in turns among the current channel, Channel 16, and a user-selected CALL Channel.



Figure 5: Explanation of Dual/Tri Watch functionality.

4.4 NOAA Weather Alert

The radio can scan and receive weather reports from up to 10 NOAA weather channels, providing timely warnings for severe weather conditions.



Figure 6: NOAA Weather Alert feature for emergency situations.

5. MAINTENANCE

5.1 Vibration Water Draining Function

The MR-25 features a vibration draining function to expel water from the speaker microphone, preventing circuit damage after exposure to water.

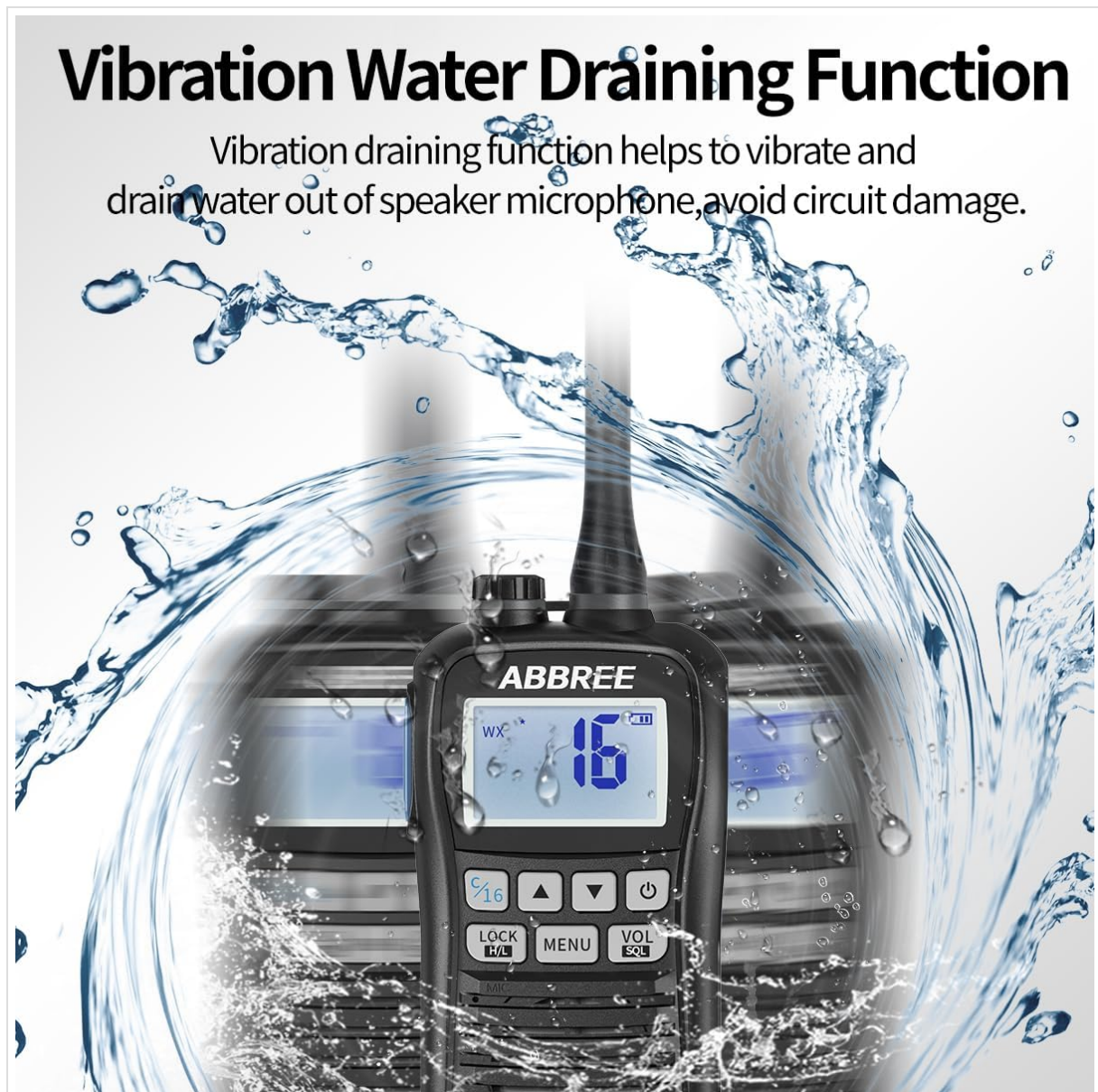


Figure 7: Vibration Water Draining Function in action.

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6. TROUBLESHOOTING

6.1 Charging Problem

If the battery is not properly installed, it may result in inability to charge or poor contact, making it impossible to charge. You need to remove the battery and reinstall it, ensuring the "+" and "-" terminals correspond to the icons marked on the radio.



Figure 8: Important notice regarding battery installation and charging.

7. SPECIFICATIONS

Feature	Detail
Model Number	MR-25
Item Weight	2.25 pounds
Package Dimensions	16.34 x 10.04 x 3.94 inches
Batteries	10 AAA 850 mAh Ni-MH rechargeable batteries (included)

Color	Black
Number of Channels	16
Special Features	Floating, Long Range, Noise Cancelling, Waterproof, Weather Alert
Frequency Range	TX: 156.000-162.000MHz, RX: 156.000-163.275MHz
Tuner Technology	VHF
Water Resistance Level	Waterproof (IP67)

Note: IP67 Waterproof means the device can be submerged in up to 1 meter of water for up to 30 minutes. The radio also floats.



Figure 9: IP67 Waterproof and Frequency Range details.

8. USAGE ENVIRONMENTS

The ABBREE MR-25 Marine Radio is suitable for a variety of marine and water-related environments, including but not limited to:

- Fishing Boats

- Ship Management
- Sea Rescue Operations
- Port Communications
- Sailboats
- Yachts

Easily cope with various environments



Fishing Boats



Ship Management



Sea Rescue



Port



Sailboat



Yachts

Figure 10: Versatile usage environments for the MR-25.