

[Manuals.plus](#) /

› [Retevis](#) /

› Retevis RM15 VHF Marine Radio Instruction Manual

## Retevis RM15

# Retevis RM15 VHF Marine Radio Instruction Manual

Model: RM15

## 1. PRODUCT OVERVIEW

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The Retevis RM15 is a portable VHF marine radio designed for reliable communication in marine environments. It features a 6W output for extended range, IP68 waterproofing, and a floating design for easy retrieval if dropped in water. Equipped with a 2000 mAh battery, it offers long operational times and includes a two-way electronic noise reduction system for clear audio. The 1.7-inch COG dot matrix screen provides clear visibility of information.

# 6W VHF Marine Radio

16km Long-Distance Communication (Sea Level)



Figure 1.1: The Retevis RM15 radio demonstrating its 16 km long-distance communication capability at sea level.

## 2. PRODUCT COMPONENTS

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Familiarize yourself with the various parts of your RM15 marine radio:

# Product Detail



- 1.External headphone jack
- 2.Volume/power switch
- 3.Flashlight
- 4.Display screen
- 5.CH+
- 6.FAV button
- 7.CH-
- 8.CH/WX button
- 9.PW button
- 10.MENU function button

- 11.Speaker
- 12.Water immersion detection point
- 13.Charging contacts
- 14.MIC
- 15.SCAN/DW button
- 16.SQL/MONI button
- 17.Flashlight button
- 18.16/9 button
- 19.PTT button
- 20.Charging interface

Figure 2.1: Detailed view of the Retevis RM15 radio components.

- 1. External headphone jack
- 2. Volume/power switch
- 3. Flashlight
- 4. Display screen
- 5. CH+ button
- 6. FAV button (Favorite Channel)
- 7. CH- button
- 8. CH/WX button (Channel/Weather)
- 9. PW button (Power)
- 10. MENU function button
- 11. Speaker
- 12. Water immersion detection point
- 13. Charging contacts
- 14. MIC (Microphone)
- 15. SCAN/DW button (Scan/Dual Watch)
- 16. SQL/MONI button (Squelch/Monitor)
- 17. Flashlight button

18. 16/9 button (Emergency Channel)
19. PTT button (Push-To-Talk)
20. Charging interface

## 3. INITIAL SETUP

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### 3.1 Charging the Battery

Before first use, fully charge the radio's 2000 mAh battery. The RM15 supports two charging methods:

- **Charging Base:** Place the radio in the provided charging base.
- **Type-C Direct Charging:** Connect the Type-C charging cable directly to the radio's charging interface.

A full charge typically takes approximately 3.5 hours with a 5V 2A charger. Ensure the charging contacts are clean and free from corrosion for optimal performance.



Figure 3.1: Charging options and speed for the RM15 radio.

### 3.2 Power On/Off

To power on the radio, rotate the Volume/Power switch clockwise. To power off, rotate it counter-clockwise until it clicks.

## 4. BASIC OPERATION

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### 4.1 Channel Selection

The RM15 supports 88 international marine channels. Use the CH+ and CH- buttons to navigate through available channels. The 1.7-inch COG dot matrix screen will display the current channel.

- **Emergency Channels (CH16/9):** Press the 16/9 button for quick access to international marine emergency channel 16 or preset call channel 9.

## 88 Canali marittimi internazionali



Canale di soccorso e sicurezza



Canale di comunicazione tra navi



Canale per le operazioni portuali



Canale del trasporto marittimo commerciale



Figure 4.1: The RM15 supports 88 international marine channels.

### 4.2 Volume Adjustment

Adjust the audio output volume by rotating the Volume/Power switch. The 1000mW audio speaker ensures clear sound even in noisy marine environments.



Figure 4.2: The 1000mW audio speaker provides clear sound.

### 4.3 Dual-Watch / Tri-Watch

The Dual-Watch and Tri-Watch functions allow you to monitor two or three channels simultaneously for convenient communication. This ensures you stay informed on your operating channel while also monitoring emergency or call channels.

## Guardare su più canali

Resta su due o tre canali per una comoda comunicazione

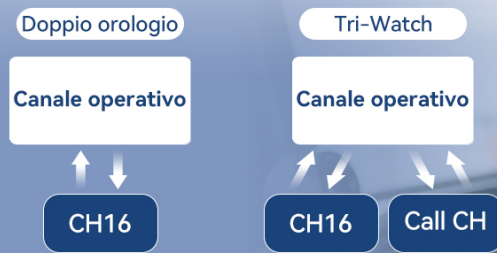


Figure 4.3: Dual-Watch and Tri-Watch capabilities for multi-channel monitoring.

### 4.4 Noise Reduction

The RM15 features two-way electronic noise reduction technology. This system automatically filters out background noise such as engine sounds, ocean waves, and general vessel clamor, ensuring clear and crisp communication.



Figure 4.4: Two-way electronic noise reduction for clear communication.

### 4.5 FM Radio

The RM15 includes an integrated FM radio function, providing entertainment during navigation or while docked. Access the FM radio via the MENU button and select the FM option.

# 24/7 Access to FM Broadcast



Figure 4.5: Enjoy FM radio on your RM15 for onboard entertainment.

## 4.6 Flashlight Function

The radio is equipped with a built-in flashlight function, useful for night illumination or emergency situations. Activate the flashlight by pressing the dedicated Flashlight button.

### Funzione torcia incorporata

Illuminazione notturna e uso  
di emergenza per la navigazione/pesca



Figure 4.6: The integrated flashlight provides illumination for various situations.

## 4.7 Key Lock

To prevent accidental button presses, activate the key lock feature. Refer to the on-screen menu for key lock activation and deactivation instructions.



Figure 4.7: The key lock feature prevents unintended operations.

## 4.8 Favorite Channels (FAV button)

The FAV button allows quick access to frequently used channels, enabling rapid channel switching and saving time during operation.



Figure 4.8: Use the FAV button for quick access to your preferred channels.

## 4.9 Alarm Function

The RM15 includes a built-in flashing and audible alarm. This feature can be activated in emergency situations to signal your location, even in rough waters or low visibility conditions.

# 5. MAINTENANCE AND CARE

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## 5.1 Waterproof and Floating Design

The RM15 radio boasts an IP68 waterproof rating, capable of withstanding immersion in up to 1.5 meters of water for 30 minutes. Its floating design ensures that if the radio accidentally falls into the sea, it will not sink, making it easy to retrieve. The anti-corrosion and rust-proof charging contacts contribute to its durability in harsh marine environments.

# IP68 Waterproof

Withstands 1.5m water depth for 30 minutes  
Corrosionproof and rustproof charging contacts



Figure 5.1: The RM15 radio is IP68 waterproof, designed for marine use.

# Floating Design

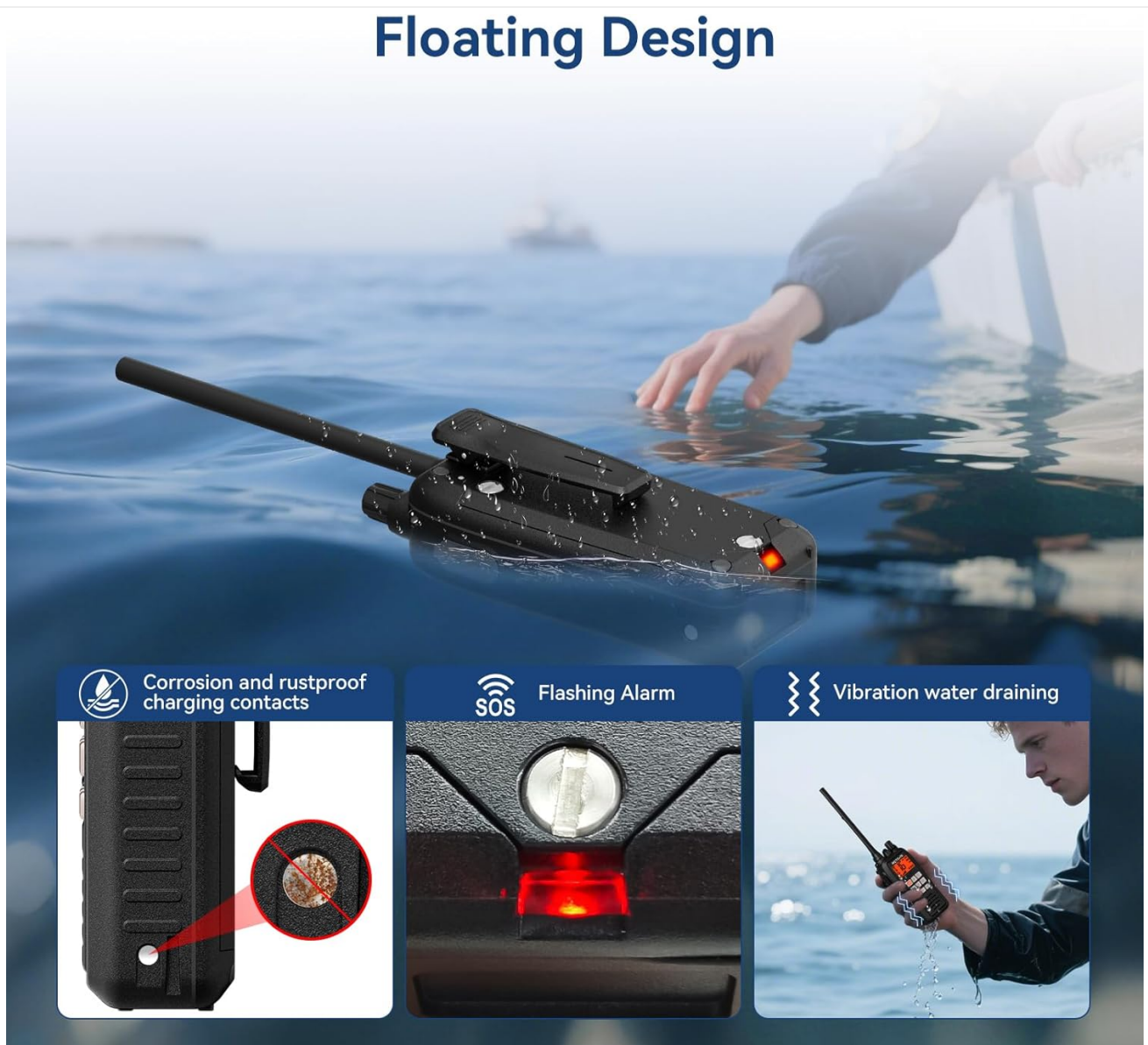


Figure 5.2: The floating design and flashing alarm aid in retrieval.

## 5.2 Cleaning

Regularly clean the radio's exterior with a soft, damp cloth. Ensure the charging contacts are free from salt residue or debris to maintain proper charging functionality. Do not use harsh chemicals or abrasive cleaners.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power	Battery depleted; Power switch off.	Charge the battery; Rotate the power switch clockwise to turn on.
Poor Audio Quality	Volume too low; Excessive background noise; Squelch level too high.	Adjust volume; Ensure noise reduction is active; Adjust squelch level (SQL/MONI button).
Cannot Transmit/Receive	Incorrect channel selected; Out of range; Antenna not properly connected.	Verify channel; Move closer to the other radio; Check antenna connection.
Radio does not float	Battery cover not properly sealed; Damage to casing.	Ensure battery cover is securely fastened; Inspect for damage and contact support if found.

## 7. SPECIFICATIONS

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Feature	Specification
Brand	Retevis
Model Number	RM15
Color	Black
Number of Channels	88
Frequency Spectrum	VHF
Maximum Talk Range	16 Kilometers
Voltage	7.4 Volts
Water Resistance Level	IP68 (Waterproof)
Battery Capacity	2000 mAh
Average Battery Life (Operation)	10 Hours
Average Battery Life (Standby)	100 Hours
Item Weight	303 Grams
Special Features	Alarm and Vibration Drainage, Floating and Flashing Lights, Two-way Noise Reduction
Display	1.7-inch COG Dot Matrix Screen

## 8. WARRANTY AND SUPPORT

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### 8.1 Package Contents

The Retevis RM15 package includes:

- 1 x Retevis RM15 Walkie-Talkie
- 1 x Battery
- 1 x Belt Clip
- 1 x Charging Base
- 1 x Charging Cable
- 1 x User Manual

### 8.2 Product Warranty

Retevis provides a 2-year warranty for the radio body and a 1-year warranty for accessories. Additionally, a 30-day return policy without reason is offered. For warranty claims or maintenance services beyond the warranty period, buyers are responsible for corresponding costs. For support, please contact Retevis customer service via Amazon. Responses are typically provided within 12 hours.

