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› Retevis RB48 Heavy Duty Two Way Radio User Manual

Retevis RB48

Retevis RB48 Heavy Duty Two Way Radio User Manual

Model: RB48

1. PRODUCT OVERVIEW

The Retevis RB48 is a heavy-duty, waterproof, and shock-resistant two-way radio designed for demanding environments such as construction sites, security operations, hospitals, factories, and outdoor activities. It features a robust build, long-lasting battery, and essential communication functions.

FOR EXTREME WEATHER

**IP67
WATERPROOF
& DUSTPROOF**



Image: The Retevis RB48 boasts an IP67 waterproof and dustproof rating, suitable for extreme weather.

Key Features:

- **Heavy Duty Construction:** Made with PC+TPE rubber material, shock-resistant and fall-resistant, tested to withstand 1000 2-meter drops.
- **IP67 Waterproof:** Airtight seals provide protection against sprays and splashes, making it easy to clean in dirty environments.
- **Long Range & Rechargeable:** Equipped with a 2000mAh lithium battery for up to 18 hours of continuous use. Supports USB-C and dual-charging base.
- **VOX Function:** Voice-activated transmission allows hands-free operation.
- **Emergency & NOAA Weather Alerts:** Designed to keep users safe in harsh environments with built-in alert features.

2. WHAT'S IN THE BOX

Upon opening your Retevis RB48 package, you should find the following components:

- 6 x Retevis RB48 Walkie Talkies
- 6 x 2000mAh (Li-ion) Batteries
- 6 x Belt Clips
- 3 x Charging Docks
- 3 x Charger Adapters
- 6 x English User Manuals
- 6 x Retevis 1 Pin 2.5mm Walkie Talkie Earpieces
- 6 x Plastic Ear Buds



Image: All components included in the Retevis RB48 6-pack.

3. SETUP GUIDE

3.1 Charging the Battery

Before first use, fully charge the radio's battery. The 2000mAh lithium-ion battery provides extended operation.

1. Connect the charger adapter to a power outlet and then to the charging dock.
2. Place the Retevis RB48 radio into the charging dock. Ensure the radio is properly seated.
3. The charging indicator light on the dock will illuminate, typically red during charging and green when fully charged.
4. Alternatively, you can charge the radio directly via its USB-C port.



Image: The 2000mAh battery ensures long operational hours.

3.2 Attaching the Belt Clip

Secure the belt clip to the back of the radio for convenient carrying.

1. Align the belt clip with the designated slots on the back of the radio.
2. Slide the clip downwards until it clicks securely into place.



Image: The reinforced belt clip provides secure attachment.



360° Rotating Back Clip

Convenient to fix mic in a proper place to speak

Image: The 360° rotating back clip allows for convenient microphone positioning.

3.3 Attaching the Earpiece

For private conversations or noisy environments, attach the included acoustic earpiece.

1. Locate the 2.5mm audio jack on the side of the radio.
2. Insert the earpiece plug firmly into the audio jack.



Built-in Microphone



Clear Sound Transmission

Image: The soft earbud fits snugly for private communication.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off and Volume Control

To turn the radio on or off, and to adjust the volume:

1. **Power On:** Rotate the top knob clockwise until you hear a click and the radio powers on.
2. **Volume Adjustment:** Continue rotating the knob clockwise to increase volume, or counter-clockwise to decrease volume.
3. **Power Off:** Rotate the knob counter-clockwise until you hear a click and the radio powers off.

4.2 Changing Channels

The Retevis RB48 supports 16 channels. To change the operating channel:

1. Press the "Menu" button on the radio.

2. Use the up/down arrow buttons to navigate through the available channels.
3. Press "Menu" again or wait a few seconds to confirm your selection.

4.3 Transmitting and Receiving

To communicate with other radios:

1. Ensure your radio is on the same channel as the other party.
2. **To Transmit:** Press and hold the "PTT" (Push-To-Talk) button located on the side of the radio. Speak clearly into the microphone. The screen will typically show red when transmitting.
3. **To Receive:** Release the "PTT" button. The radio will automatically receive transmissions on the selected channel. The screen will typically show blue when receiving.
4. **VOX Function:** If VOX is enabled, you can transmit by speaking without pressing the PTT button.



Image: The small side PTT button is ergonomically designed for easy pressing.

Soft Earbud Fits snugly to Ear

Keep Your
Conversation Private



Image: The built-in microphone ensures clear sound transmission.

4.4 Emergency Alarm

The radio is equipped with an emergency alarm feature for critical situations.

- Refer to the specific button on your radio labeled "SOS" or similar.
- Pressing this button will activate an audible alarm to alert others.



EMERGENCY ALERT



NOAA WEATHER ALERT

Keep you safe in the harsh environment



Image: The radio includes Emergency Alert and NOAA Weather Alert functions.

5. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your Retevis RB48 radios:

- **Cleaning:** Wipe the radio with a soft, damp cloth. Due to its IP67 rating, it can be easily cleaned if exposed to dirt or dust. Avoid harsh chemicals or abrasive cleaners.
- **Battery Care:**
 - Do not overcharge or deep discharge the battery.
 - Store radios with partially charged batteries if not used for extended periods.
 - Replace batteries when their performance significantly degrades.
- **Storage:** Store the radios in a cool, dry place away from direct sunlight and extreme temperatures.
- **Waterproof Seals:** Periodically inspect the rubber seals around ports and battery compartments to ensure they are intact and free of debris.

6. TROUBLESHOOTING

If you encounter issues with your Retevis RB48, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on	Low or dead battery; Power knob not fully turned	Charge the battery; Ensure power knob is fully rotated clockwise
No sound or low volume	Volume too low; Earpiece not properly connected; Speaker/mic port blocked	Increase volume; Re-insert earpiece firmly; Clear any obstructions from ports
Cannot transmit or receive	Different channel; Out of range; PTT button not pressed/released correctly	Verify both radios are on the same channel; Move closer to the other radio; Ensure PTT is pressed while speaking and released to listen
Poor audio quality/static	Interference; Weak signal; Antenna issue	Move away from sources of interference; Try a different channel; Ensure antenna is securely attached and undamaged

7. SPECIFICATIONS

Feature	Detail
Brand	Retevis
Model Number	RB48
Number of Channels	16
Frequency Range	450-470 MHz
Water Resistance Level	IP67 Waterproof
Battery Capacity	2000mAh (Li-ion)
Battery Life	18 Hours (continuous use)
Voltage	3.7 Volts
Special Features	Emergency Alarm, Long Range, VOX Function, Shock-Resistant
Material	PC+TPE rubber

8. WARRANTY AND SUPPORT

Retevis products are designed for durability and performance. For warranty information, technical support, or service inquiries, please visit the official Retevis website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

Online Resources:

- Official Retevis Website: www.retevis.com
- Amazon Store: [Retevis Amazon Store](#)

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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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.

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