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Retevis RB48

Retevis RB48 Walkie Talkies Instruction Manual

MODEL: RB48

Introduction

The Retevis RB48 is a heavy-duty, professional-grade two-way radio designed for reliable communication in demanding environments. Featuring IP67 waterproofing, shock resistance, and a robust build, it is ideal for job sites, construction, and outdoor activities. This manual provides comprehensive instructions for setup, operation, and maintenance to ensure optimal performance.

What's in the Box

- 6 x RB48 Two-Way Radios (with Li-ion batteries)
- 6 x Slings
- 6 x Belt Clips
- 1 x Six-Way Multi-Unit Charger
- 1 x DC Adapter
- 1 x AC Adapter
- User Manuals (RB48 & RTC48P)



Image: Contents of the Retevis RB48 package, showing six walkie-talkies, a six-way charger, power adapters, slings, and belt clips.

Product Overview

The Retevis RB48 walkie-talkie features a robust yellow and black design, built to withstand challenging environments. It includes an LCD display for easy viewing of channels and settings.

Key Features:

- **IP67 Waterproof & Dustproof:** Designed to resist water immersion up to 1 meter for 30 minutes and protect against fine dust.
- **Shock Resistant:** Engineered to withstand drops from up to 2 meters, ensuring durability on job sites.
- **Dual PTT Buttons:** Large Push-to-Talk buttons on both the front and side for convenient operation, even when wearing gloves.
- **2000mAh Li-ion Battery:** Provides approximately 20 hours of continuous use and 100 hours of standby time.
- **Portable Back Clip:** Allows for easy attachment to belts or pockets.

IP67



Immersed in 1 Meter Deep Water for 30 Minutes



Against 0.1µm Dense Dust

Image: The Retevis RB48 walkie-talkie is shown with mud splashes, highlighting its IP67 waterproof and dustproof capabilities.

DOUBLE BIG PTT BUTTONS



Can Be Easily Used While Wearing Gloves

Image: A person wearing work gloves demonstrates the ease of use of the dual PTT buttons on the RB48 radio.

6-SLOT CHARGING DOCK



Can charge 6 units at a time, fully charged in 8 hours, improving work efficiency

Image: The RB48 walkie-talkie is shown clipped to a work belt, emphasizing its portable and convenient design.

Setup

Battery Installation

The RB48 walkie-talkies come with pre-installed Li-ion batteries. To access the battery compartment, unscrew the two screws on the back panel and remove the cover. Ensure the battery is properly seated before reattaching the cover and screws.

Charging the Radios

The Retevis RB48 walkie-talkies can be charged using the included six-way multi-unit charger or directly via the USB-C port on the side of each radio.

- **Using the Six-Way Charger:** Connect the DC adapter to the six-way charger and plug it into a power outlet. Place the walkie-talkies into the designated slots. The charging indicator lights will show the charging status. The charger can charge 6 units simultaneously, fully charging them in approximately 8 hours.

- **Direct USB-C Charging:** Plug the USB-C cable into the side port of the walkie-talkie and connect it to a compatible USB power source.



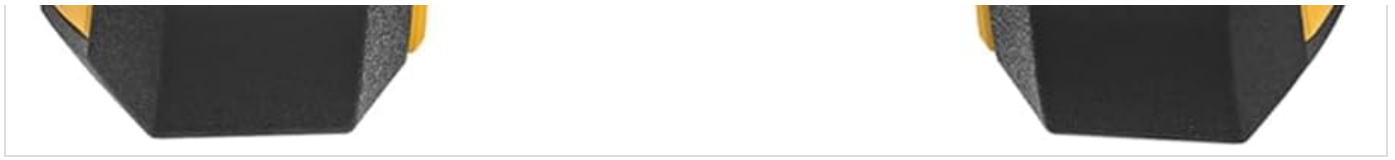


Image: Six Retevis RB48 walkie-talkies are shown in their multi-unit charging dock, indicating efficient simultaneous charging.

Video: This video demonstrates the setup and use of the Retevis RB48 six-way multi-unit charger, showing how to insert and charge multiple walkie-talkies efficiently.

Operating Instructions

Power On/Off & Volume

To power on or off the walkie-talkie, rotate the knob located at the top of the unit. Rotate clockwise to power on and increase volume, counter-clockwise to decrease volume and power off.

Channel Selection

The RB48 features 22 channels. To change channels, press the 'Menu' button once, then use the up/down arrow buttons on the side to select your desired channel. The radio will audibly announce the channel number.

Push-to-Talk (PTT)

Press and hold either the large front PTT button or the side PTT button to transmit your voice. Release the button to listen for incoming transmissions.

VOX Function (Hands-Free Communication)

The VOX function allows you to transmit without pressing the PTT button. This is ideal for situations where your hands are occupied. Refer to the user manual for detailed activation and sensitivity settings.

Call Button & Vibration Reminder

Press the 'Call' button to send an alert tone to other radios on the same channel. The vibration reminder feature ensures you receive call signals even in noisy environments.

Emergency Alarm

The emergency alarm feature can be activated to send an alert signal in urgent conditions, ensuring timely rescue. Refer to the user manual for activation details.

NOAA Weather Channels

Access 11 NOAA channels to receive real-time weather conditions and forecasts, helping you stay informed about environmental changes.

Key-Lock

Activate the key-lock function to prevent accidental button presses and setting changes.

CTCSS/DCS (Sub-codes)

The RB48 supports CTCSS (Continuous Tone-Coded Squelch System) and DCS (Digitally Coded Squelch) sub-codes. These codes allow for more private conversations by filtering out unwanted transmissions from other radios not using the same sub-code. Both radios must be on the same channel and sub-code to communicate.

Radio Range Considerations

The Retevis RB48 radios are designed for effective communication in various settings:

- **Building Coverage:** Up to 300,000 square feet or 25 floors.
- **Open Terrain:** Range can vary significantly based on obstacles and terrain.

Factors affecting radio range include terrain (mountains, hills), obstacles (buildings, dense foliage), atmospheric conditions, and antenna quality. The RB48's robust design and features like shock resistance and waterproofing contribute to its reliability in challenging environments.



Video: This video highlights the heavy-duty features of the Retevis RB48 walkie-talkie, emphasizing its suitability for job site communication and durability.



Video: This video showcases the shock-resistant capabilities of the Retevis RB48 walkie-talkie, demonstrating its ability to withstand impacts.



Video: This video provides a detailed review of the Retevis RB48 Heavy Duty Walkie Talkie, focusing on its long-range communication capabilities and robust build.

Maintenance

To ensure the longevity and optimal performance of your Retevis RB48 walkie-talkies, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the radio's surface with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Battery Care:** The 2000mAh lithium battery provides about 20 hours of continuous use and 100 hours of standby. For best battery life, avoid fully discharging the battery frequently. Store radios in a cool, dry place when not in use for extended periods.
- **Inspection:** Periodically check the antenna, PTT buttons, and charging ports for any signs of damage or wear.

Troubleshooting

- **No Power:** Ensure the battery is charged. Check if the power/volume knob is turned on.
- **No Sound/Poor Audio:** Adjust the volume knob. Verify that both radios are on the same channel and sub-code (CTCSS/DCS). Check for obstacles blocking the signal.
- **Limited Range:** Range can be affected by terrain, buildings, and other obstacles. Move to a higher or more open location if possible. Ensure batteries are fully charged.
- **Buttons Not Responding:** Check if the Key-Lock function is activated. Deactivate it if necessary.

Specifications

Feature	Detail
Brand	Retevis
Model Number	FA9246Ax3-C9034Ax3 (RB48)
Item Weight	1.61 pounds
Product Dimensions	1.3 x 2.4 x 7.1 inches
Batteries	6 Lithium Ion batteries required (included)
Color	Yellow

Number of Channels	22
Special Features	NOAA, Vibration Reminder, IP67 Waterproof, Shockproof, Emergency Alarm
Frequency Range	FRS
Voltage	3.7 Volts
Water Resistance Level	Waterproof

Warranty and Customer Support

Retevis provides comprehensive support for your RB48 walkie-talkies:

- **Warranty:** 5-year warranty for the radio body and a 1-year warranty for accessories.
- **Returns:** 30-day no-reason return policy.
- **Customer Support:** For any inquiries or issues, please contact Retevis on Amazon. They aim to reply within 12 hours. Maintenance service is also offered beyond the warranty period, with corresponding costs to be afforded by the buyer.

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ASK A QUESTION ABOUT THIS MANUAL

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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

