

Retevis RB47

Retevis RB47 IP67 Waterproof FRS Two-Way Radios Instruction Manual

Model: RB47

INTRODUCTION

The Retevis RB47 is a robust and portable FRS two-way radio designed for reliable communication in various environments. Featuring IP67 waterproofing, a compact design, and essential functions like VOX and emergency alarm, it is suitable for school, camping, restaurant, and business use. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your RB47 radios.

WHAT'S IN THE BOX

Upon unboxing your Retevis RB47 radios, please ensure all the following components are present:

- 10 x RB47 Walkie Talkies
- 10 x Batteries (1000mAh Li-ion)
- 10 x Charging Bases
- 10 x USB C Charging Cables
- 10 x Belt Clips

Free your hand



Image: All included components for the Retevis RB47 two-way radio set.

PRODUCT OVERVIEW

The Retevis RB47 radio is designed for ease of use and durability. It features a compact, ultra-slim body, making it comfortable for one-handed operation and convenient to carry. Key features include IP67 waterproofing, a long-lasting 1000mAh battery, and compatibility with other Retevis FRS radios on channels 1-5.

Controls and Features

- **Earpiece Jack:** For connecting compatible audio accessories.
- **Stable Belt Clip:** Allows for secure attachment to clothing or gear.
- **Channel +/-VOX Button:** Increases channel number or activates VOX function.
- **Channel -/Emergency Alarm Button:** Decreases channel number or activates the emergency alarm.
- **Function Key:** Multi-purpose key for various radio functions.

The logo for VOX, consisting of the word "VOX" in a bold, red, sans-serif font. Above the logo are five small white dots, with the first one on the left being red and the others white. The logo is set against a dark blue background that is part of a larger graphic design featuring a man in a light blue shirt with a Retevis RB47 radio clipped to his chest. The background also includes decorative elements like a microphone icon with sound waves, gears, and various geometric shapes.

Voice activated, free your hands

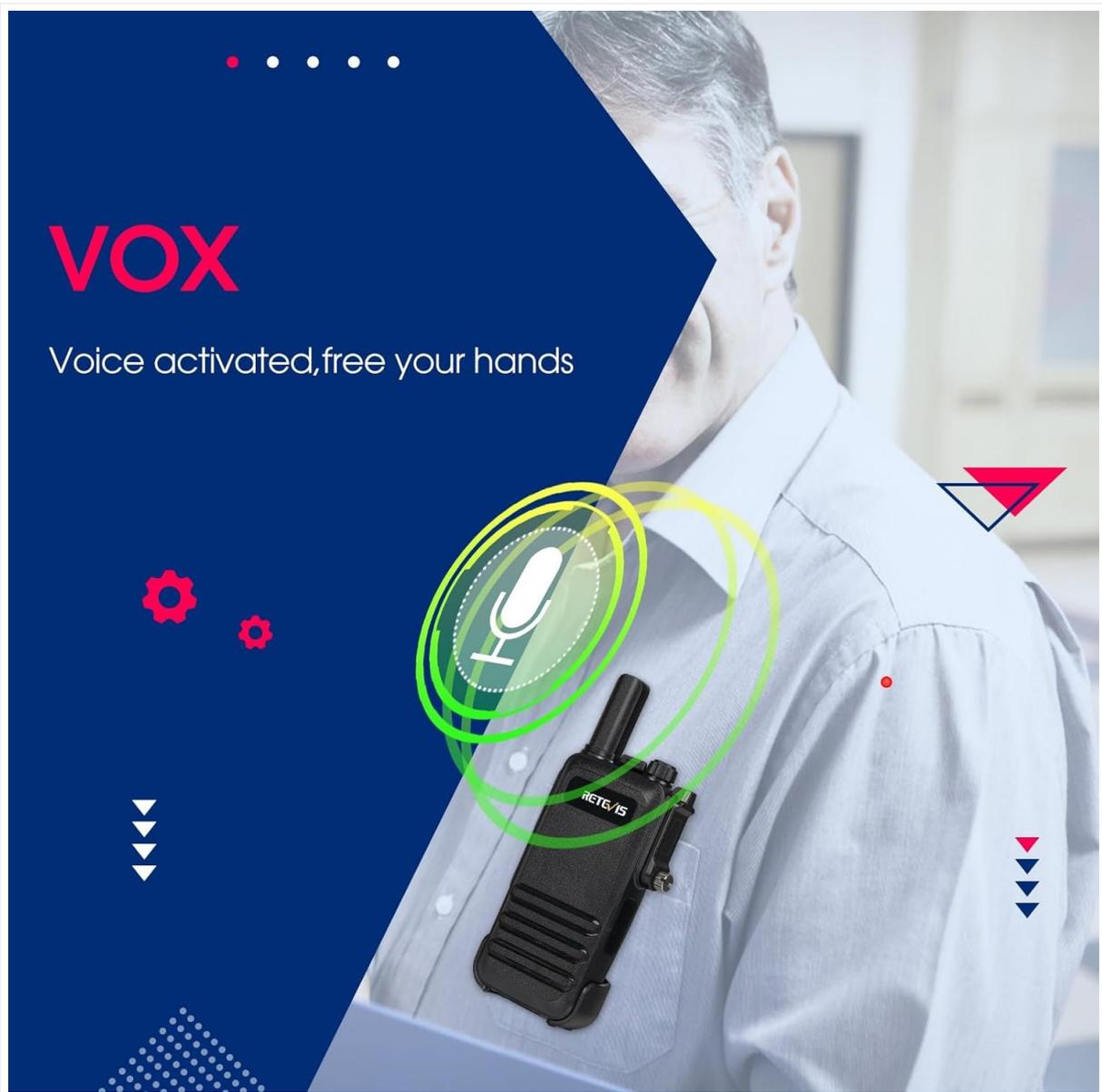


Image: Side view of the Retevis RB47 radio, highlighting the earpiece jack, belt clip, and function keys.

Video: This video demonstrates the physical features and basic handling of the Retevis RB47 ultra-slim walkie talkie, including the earpiece jack and belt clip.

SETUP

Charging the Battery

The RB47 radios are equipped with a 1000mAh Li-ion battery, providing approximately 10-12 hours of normal operation. A low battery alert will notify you when charging is required. To charge:

1. Place the radio into the charging base.
2. Connect the USB C charging cable to the charging base and a power source.
3. Ensure the radio is properly seated in the charging base to engage the charging contacts. The indicator light on the charger will show charging status.

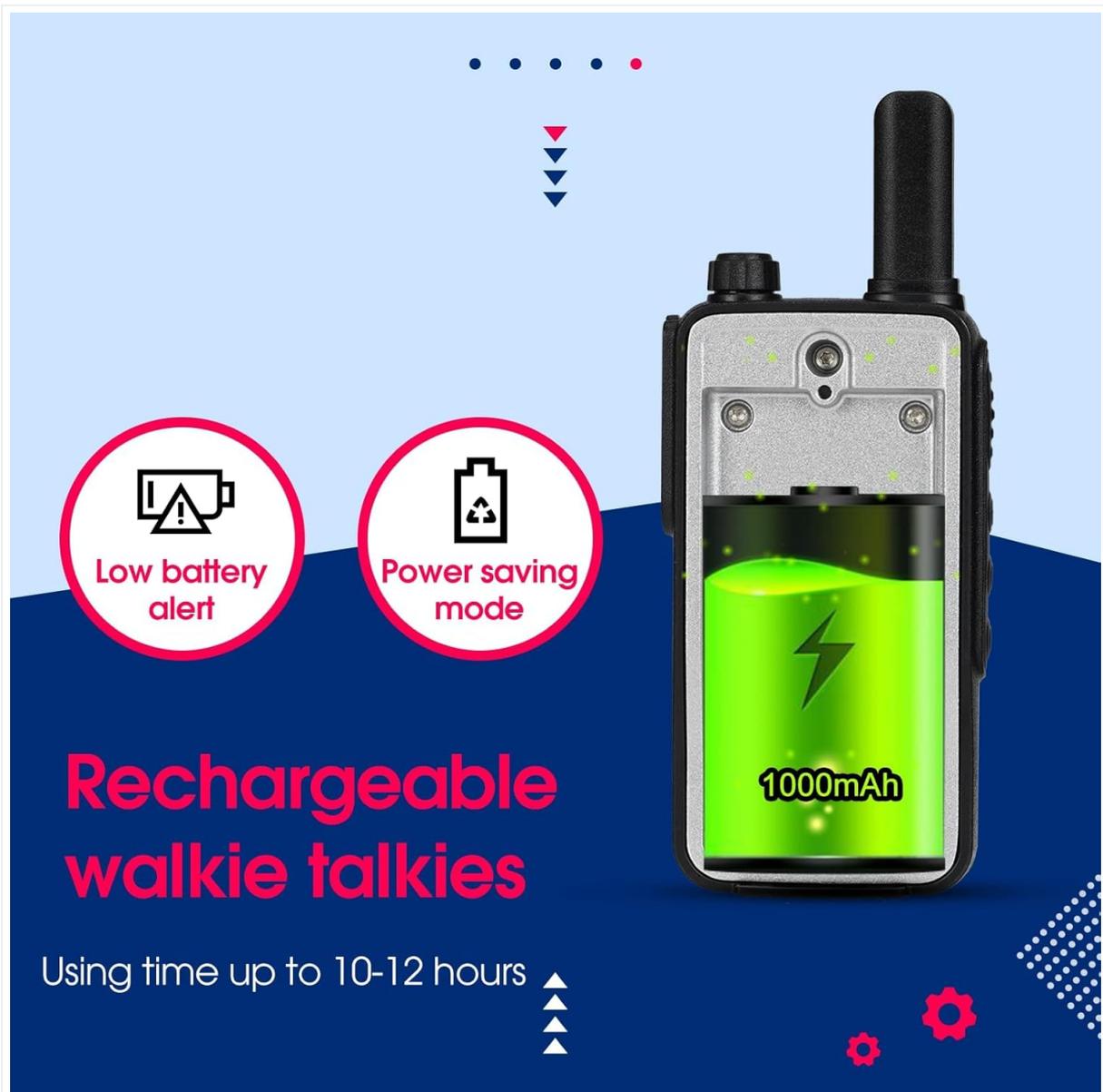


Image: Illustration of the Retevis RB47's 1000mAh rechargeable battery, low battery alert, and power saving mode.

OPERATING INSTRUCTIONS

Basic Communication

1. **Power On:** Rotate the power/volume knob clockwise until you hear a click and the radio announces the channel.
2. **Select Channel:** Use the Channel + or Channel - buttons to select your desired channel. Ensure all radios you wish to communicate with are on the same channel.
3. **Transmit:** Press and hold the Push-to-Talk (PTT) button on the side of the radio. Speak clearly into the microphone. Release the PTT button to listen.

VOX (Voice Activated Transmission)

The VOX function allows for hands-free communication. When activated, the radio will transmit automatically when it detects your voice, eliminating the need to press the PTT button.



Image: The Retevis RB47 demonstrating the VOX (Voice Activated Transmission) feature for hands-free operation.

Video: This video illustrates how to activate and use the VOX function and the emergency alarm on the Retevis RB47 radio.

Emergency Alarm

In an emergency, you can activate the alarm function to alert others. Press the designated Emergency Alarm button (often the Channel - button, depending on configuration) to trigger the alarm.



Image: The Retevis RB47 displaying its emergency alarm feature, which can provide local and remote alerts.

Fast Pairing

The RB47 radios offer convenient pairing options to quickly establish communication with other compatible radios.

Fast Pair One Channel

This method allows you to quickly pair one channel between two radios.

Video: This video demonstrates the fast pairing process for a single channel between two Retevis RB47 radios.

Fast Pair All Channels

This method allows for convenient pairing of all channels between two radios, simplifying team communication without requiring computer programming.

Video: This video demonstrates how to quickly pair all channels between two Retevis RB47 radios for convenient team communication.

MAINTENANCE

IP67 Waterproofing

The Retevis RB47 radios are IP67 waterproof, protecting them from dust and water immersion up to 1 meter for 30 minutes. This makes them suitable for use in harsh weather conditions like rain and storms.

- Always ensure the waterproof cover of the earpiece jack is securely installed or fixed to prevent water damage.
- After exposure to water, wipe the radio dry with a clean cloth.
- Do not submerge the radio in water deeper than 1 meter or for longer than 30 minutes.



Image: The Retevis RB47 radio being exposed to water, illustrating its IP67 waterproof capability. Note: Ensure the earpiece jack cover is secure.

Video: This video demonstrates the real-world IP67 waterproof capabilities of the Retevis RB47 walkie talkie.

Battery Care

- Charge batteries fully before first use.
- Avoid overcharging or completely draining the battery.
- Store radios and batteries in a cool, dry place when not in use.

TROUBLESHOOTING

If you encounter issues with your Retevis RB47 radios, try the following common troubleshooting steps:

- **No Power:** Ensure the battery is fully charged and correctly installed. Check the power/volume knob is turned on.
- **Cannot Transmit or Receive:** Verify that all radios are on the same channel. Check that the PTT button is being pressed correctly. Ensure no obstacles are blocking the signal.
- **Poor Audio Quality:** Adjust the volume. Check for any obstructions around the microphone or speaker. Ensure radios are within range.
- **Short Battery Life:** Ensure the battery is fully charged. Battery life can be affected by frequent transmissions or extreme temperatures. Consider replacing old batteries if performance degrades significantly.

For persistent issues, refer to the support information provided in the Warranty & Support section.

SPECIFICATIONS

Brand	Retevis
Model Number	RB47
Color	Black
Number of Channels	22
Frequency Range	FRS
Waterproof Rating	IP67
Product Dimensions (D x W x H)	0.93"D x 0.9"W x 0.9"H
Battery Average Life	11 Hours (1000mAh Li-ion)
Special Features	IP67 Waterproof, License-free, Ultra-slim design, Lightweight, Portable, VOX, Emergency Alarm
Compatible Devices	Retevis two-way radios operating on the same channels (e.g., RT22, RT21, H-777 on channels 1-5)

WARRANTY & SUPPORT

Retevis provides a 2-year warranty for the radio body and a 1-year warranty for accessories. We offer a 30-day no-reason return policy. Beyond the warranty period, maintenance services are available, with buyers responsible for associated costs.

For any inquiries or support, please contact us via Amazon mail. We aim to respond within 12 hours to ensure a hassle-free experience.