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› Retevis RB17 FRS Walkie Talkie Instruction Manual

Retevis RB17

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Model: RB17

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Retevis RB17 FRS Walkie Talkie. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

2. SAFETY INFORMATION

Your Retevis RB17 Walkie Talkie is designed for reliable communication. Adhere to the following safety guidelines:

- **FCC Compliance:** This device complies with FCC Part 95 rules. The FCC ID for this walkie talkie is **2ASNSRB17**.
- **Battery Safety:** Use only the specified Lithium Ion batteries. Do not expose batteries to fire or extreme temperatures.
- **Antenna Care:** Do not operate the radio with a damaged antenna. If a damaged antenna comes into contact with skin, a minor burn may result.
- **Interference:** Turn off the radio in areas where it is required, such as hospitals or aircraft.
- **Water Resistance:** The device is water repellent, not waterproof. Avoid submerging the radio in water.



Figure 1: Rear view of the Retevis RB17, displaying model and FCC ID information.

3. PACKAGE CONTENTS

Upon opening your Retevis RB17 Walkie Talkie package, verify that all items listed below are present:

- Retevis RB17 Walkie Talkie Units (2 Pack)
- 4400mAh Lithium Ion Batteries (2)
- USB Charging Cable (2-in-1)

- Power Adapter
- Belt Clips (2)
- Hand Straps (2)
- User Manual

Package Includes:



Figure 2: The complete package contents for the Retevis RB17 Walkie Talkie.

4. PRODUCT OVERVIEW

The Retevis RB17 is a durable and portable FRS two-way radio designed for clear, long-range communication. It features a robust build and an enhanced antenna for reliable performance.



Figure 3: Front view of two Retevis RB17 Walkie Talkies, along with the included charging accessories.

Key Features:

- **High Capacity Battery:** Equipped with a 4400mAh Lithium Ion battery for extended use.
- **Durable Construction:** Thickened PC plastic structure and hard shell for fall and pressure resistance.
- **Clear Audio:** Strong audio output and squelch function for clear sound quality.
- **Enhanced Antenna:** Optimized circuit and enhanced gain antenna for stronger signal reception and transmission.
- **USB-C Charging:** Convenient and fast charging via USB-C.
- **VOX Function:** Voice-activated transmission for hands-free operation.
- **Local Alarm:** Emergency alert function for safety.

Figure 4: Illustration of the enhanced gain antenna, designed for improved signal strength.



Figure 5: Depiction of the clear and loud speaker system for effective communication.



Figure 6: Visual representation of the radio's anti-fall and shock-resistant design.

5. SETUP

5.1. Battery Installation

The Retevis RB17 uses a 4400mAh Lithium Ion battery. To install the battery:

1. Ensure the radio is powered off.
2. Align the battery with the battery compartment on the back of the radio.
3. Press the battery firmly into place until it clicks securely.



Figure 7: The 4400mAh battery pack for the Retevis RB17, highlighting its large capacity.

5.2. Charging the Battery

Before first use, fully charge the battery. The RB17 features convenient USB-C charging.

1. Connect the 2-in-1 USB charging cable to the USB-C port on the radio.
2. Connect the other end of the USB cable to the provided power adapter, then plug the adapter into a wall outlet.
3. The charging indicator light will show **red** while charging.
4. Once fully charged, the indicator light will turn **green**.



Figure 8: Retevis RB17 radios connected for USB-C charging, illustrating the charging indicator.

6. OPERATING INSTRUCTIONS

6.1. Power On/Off

- **To Power On:** Rotate the Power/Volume knob clockwise until you hear a click and the radio announces the current channel.
- **To Power Off:** Rotate the Power/Volume knob counter-clockwise until you hear a click.

6.2. Adjusting Volume

Rotate the Power/Volume knob clockwise to increase volume and counter-clockwise to decrease volume.

6.3. Channel Selection

The RB17 has 16 channels. To select a channel:

- Rotate the Channel Selector knob to choose your desired channel.
- The radio will audibly announce the selected channel number.
- Ensure all radios in your group are set to the same channel for communication.

6.4. Transmitting and Receiving

1. To **transmit**, press and hold the Push-to-Talk (PTT) button on the side of the radio. Speak clearly into the microphone.
2. Release the PTT button to **receive** messages.

6.5. VOX (Voice-Activated Transmission)

The VOX function allows for hands-free operation. When activated, the radio will transmit automatically when it detects your voice.



VOX Function

Refer to the full user manual for instructions on how to activate and adjust VOX sensitivity.

6.6. Local Alarm Function

In emergency situations, you can activate the local alarm to alert companions.



Alarm Function

The alarm is typically activated by a dedicated orange button on the radio. Pressing this button will sound an alarm through your radio and potentially transmit it to other radios on the same channel.

6.7. Compatibility

The Retevis RB17 is compatible with other Retevis models such as RT22, RT21, RT68, and H-777S on the same channels and CTCSS/DCS codes.



Figure 9: The Retevis RB17 in use during outdoor activities, demonstrating its portability and utility.

7. MAINTENANCE

7.1. Cleaning

- Wipe the radio's surface with a soft, damp cloth.
- Do not use harsh chemicals or abrasive cleaners.
- Ensure the charging port is free of dust and debris.

7.2. Battery Care and Storage

- Charge the battery fully before long periods of storage.
- Store the radio and battery in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid overcharging or completely draining the battery frequently to prolong its lifespan.

8. TROUBLESHOOTING

If you encounter issues with your Retevis RB17, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on	Battery is low or not installed correctly	Charge the battery fully. Reinstall the battery, ensuring it clicks into place.
No sound or low volume	Volume is too low; Squelch setting too high	Increase the volume using the Power/Volume knob. Check squelch settings (if adjustable via programming).
Cannot communicate with other radios	Radios are on different channels or privacy codes (CTCSS/DCS)	Ensure all radios are set to the same channel and have matching CTCSS/DCS codes.
Poor range or intermittent signal	Obstructions (buildings, terrain); Low battery	Move to an open area. Ensure battery is fully charged.

9. SPECIFICATIONS

Detailed technical specifications for the Retevis RB17 FRS Walkie Talkie:

- **Model Number:** FA9191A-C9034A (RB17)
- **Brand:** Retevis
- **Item Weight:** 1.45 pounds
- **Product Dimensions:** 1.49 x 2.2 x 8.85 inches
- **Batteries:** 2 Lithium Ion batteries required (included)
- **Battery Capacity:** 4400mAh
- **Number of Channels:** 16
- **Frequency Range:** 462.5500-462.7250 MHz (FRS)
- **Voltage:** 3.7 Volts
- **Water Resistance Level:** Water Repellent
- **Color:** Black
- **Manufacturer:** Retevis
- **FCC ID:** 2ASNSRB17

10. WARRANTY AND SUPPORT

10.1. Warranty Information

Retevis provides the following warranty for the RB17 Walkie Talkie:

- **Radio Body:** 2-year warranty
- **Accessories:** 1-year warranty
- **Returns:** 30-day no-reason return policy.

Beyond the warranty period, maintenance services are still offered, with buyers responsible for associated costs.

10.2. Customer Support

For any questions, issues, or warranty claims, please contact Retevis customer support through Amazon. Responses are typically provided within 12 hours.

ASK A QUESTION ABOUT THIS MANUAL

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Question

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