Retevis RB27B

Retevis RB27B Two-Way Radio User Manual

Comprehensive instructions for operating and maintaining your Retevis RB27B rechargeable two-way radios.

1. Introduction

Thank you for choosing the Retevis RB27B Two-Way Radio. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before use and retain it for future reference.

2. Product Overview

The Retevis RB27B is a compact and versatile two-way radio designed for reliable communication. It features NOAA weather channels, an LED flashlight, and convenient USB-C charging.



Figure 2.1: Front view of the Retevis RB27B Two-Way Radio, showing the display, speaker, and control buttons.



Figure 2.2: Detailed diagram of the Retevis RB27B, highlighting key components such as the power switch, volume control, LED flashlight, PTT button, scan/call tone button, monitor/NOAA weather button, menu button, A/B channel switch, battery lock, belt clip buckle, K-Head 2-pin accessory port, and USB-C charging port.

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Video 2.1: An overview of the Retevis RB27B's multifunctional features, including its compact size, flashlight, FM radio, and NOAA weather capabilities.

3. Setup

3.1 Battery Installation

To install the battery:

1. Ensure the radio is powered off.
2. Locate the battery cover on the back of the radio.
3. Slide the battery cover latch to unlock and remove the cover.

4. Insert the 1500mAh Lithium-Ion battery into the compartment, ensuring the contacts align.
5. Replace the battery cover and slide the latch to lock it securely.

3.2 Charging the Battery

The Retevis RB27B offers two convenient charging methods:

- **USB-C Direct Charging:** Connect a standard USB-C cable to the port at the bottom of the radio. This allows charging from various sources like power banks, car chargers, or laptops.
- **Desktop Charger:** Place the radio into the provided desktop charging base. Connect the USB cable from the charging base to a USB-A power adapter or port.

The charging indicator light will show the charging status. A full charge typically takes approximately 3-4 hours.



Figure 3.1: Illustration of the two charging methods for the Retevis RB27B: direct USB-C charging and using the desktop charging station.

3.3 Attaching the Belt Clip and Lanyard

To attach the belt clip, align it with the grooves on the back of the radio and slide it down until it clicks into place. To attach the lanyard, thread it through the designated loop at the top of the radio.

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Video 3.2: Demonstration of battery installation, attaching the belt clip and lanyard, and placing the radio in the desktop charger.

4. Operating Instructions

4.1 Power On/Off and Volume Control

To power on the radio, rotate the Power/Volume Control knob clockwise. To power off, rotate it counter-clockwise until it clicks. Adjust the volume by rotating the same knob.

4.2 Channel Selection

Use the Channel +/- buttons to select your desired communication channel. The current channel number will be displayed on the LCD screen.

4.3 FM Radio Function

The RB27B includes an FM radio function for entertainment or news. To activate:

1. Press the **SCAN** button (music note icon) once. The display will show "FM" and the current frequency.
2. Use the Channel +/- buttons to tune to different FM stations.
3. Press the **SCAN** button again to exit FM radio mode.

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Video 4.1: Instructions on how to activate and use the FM radio function on the Retevis RB27B.

4.4 NOAA Weather Channel

Stay informed about weather conditions with the built-in NOAA weather channels. To access:

1. Press the **MON** button (cloud icon) once. The display will show "WEATHER CH".
2. Use the Channel +/- buttons to cycle through the available NOAA weather channels.
3. Press the **MON** button again to exit NOAA weather mode.



Figure 4.1: Visual representation of the NOAA weather channel feature on the Retevis RB27B.

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Video 4.2: Guide on how to activate and use the NOAA weather forecast function on the Retevis RB27B.

4.5 Flashlight and Alarm

The radio is equipped with an LED flashlight and an emergency alarm function:

- **Flashlight:** Press the Lamp/Emergency Alarm button once to turn on the flashlight. Press it again for a flashing light mode. Press a third time to turn it off.
- **Emergency Alarm:** Long press the Lamp/Emergency Alarm button to activate the emergency alarm. Press it again to deactivate.



Figure 4.2: The Retevis RB27B radio with its LED flashlight illuminated, useful for low-light conditions.

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Video 4.3: Demonstration of how to turn on and cycle through the flashlight modes on the Retevis RB27B.

4.6 Keypad Lock

To prevent accidental changes to settings, you can lock the keypad. Press and hold the **MENU** button (house icon) to lock or unlock the keypad.

4.7 Voice Prompts

The radio provides voice prompts for various functions. These can be enabled or disabled through the menu settings.

4.8 Scan Function

The scan function allows the radio to automatically search for active channels. Press the **SCAN** button (music note icon) to initiate scanning. Press it again to stop.

4.9 Dual Watch

The dual watch feature allows you to monitor two channels simultaneously. Activate this feature through the menu settings.

4.10 Call Tone

The radio supports 10 different call tones. These can be selected and customized via the menu.

5. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** To prolong battery life, avoid overcharging and fully discharging the battery regularly. Store the radio and battery in a cool, dry place when not in use for extended periods.
- **Storage:** Store the radio in a dry environment away from extreme temperatures and direct sunlight.

6. Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery or re-install it correctly.
Cannot transmit or receive.	Incorrect channel selected; out of range; battery low.	Verify channel settings; move closer to other radios; charge battery.
Poor audio quality.	Out of range; interference; low battery.	Move closer; check for obstructions; charge battery.
Keypad is unresponsive.	Keypad is locked.	Press and hold the MENU button to unlock the keypad.

7. Specifications

- **Brand:** Retevis
- style="font-weight:bold;">Model: RB27B
- **Frequency Range:** 462-467 MHz
- **Battery:** 1500mAh Lithium Ion (included)
- **Battery Life:** Approximately 14 hours (continuous use)
- **Charging:** USB-C, Desktop Charger
- **Special Features:** NOAA Weather Channels, LED Flashlight, Emergency Alarm, FM Radio, Dual Watch, Keypad Lock, Voice Prompts
- **Item Weight:** 16 ounces
- **Water Resistance Level:** Waterproof

8. Warranty and Support

For warranty information and technical support, please refer to the official Retevis website or contact your retailer. Keep your purchase receipt as proof of purchase.

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