

Retevis RB637

Retevis RB637 Bluetooth Two-Way Radio User Manual

Model: RB637

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Retevis RB637 Bluetooth Two-Way Radio. Please read this manual thoroughly before using the device to ensure proper function and to prevent damage.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x Retevis RB637 Two-Way Radio
- 1 x Bluetooth Headset
- 1 x Charging Base
- 1 x Lanyard
- 1 x Belt Clip
- 1 x Ear Hook for Bluetooth Headset
- 1 x Silicone Gel Cover for Bluetooth Headset
- 1 x USB Type-C Charging Cable
- 1 x User Manual (this document)



Figure 2.1: Included components in the Retevis RB637 package. This image displays the main radio unit, a Bluetooth headset, a charging base, a lanyard, a belt clip, an ear hook, a silicone gel cover, and a USB Type-C charging cable, all neatly arranged.

3. PRODUCT FEATURES

- **Bluetooth 5.3 Connectivity:** Supports seamless pairing with the included Bluetooth headset for hands-free communication.
- **Long-lasting Battery:** The radio is equipped with a 2000mAh battery, providing over 15 hours of continuous talk time. The Bluetooth headset has a 180mAh battery, offering up to 12 hours of continuous use.
- **USB Type-C Charging:** Convenient and universal charging interface for the radio.
- **Integrated Flashlight:** A high-caliber flashlight for emergency illumination in low-light conditions.
- **VOX Function:** Voice-activated transmission for hands-free operation without pressing the PTT button.
- **Squelch Function:** Automatically mutes the speaker when no signal is received, reducing background noise.
- **Wireless Clone Function:** Allows for easy copying of settings between compatible radios.
- **Multi-Model Compatibility:** Compatible with other Retevis PMR radios by setting the same frequency and sub-audio codes.

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RETEVIS RB637 BLUETOOTH WALKIE TALKIES



RETEVIS RB637

Figure 3.1: The Retevis RB637 radio and its Bluetooth headset. The image illustrates the benefits of using a Bluetooth headset, such as portability, tangle-free use, clearer sound, no manual operation, and extended battery life.



Figure 3.2: Detail of the Retevis RB637 radio, emphasizing its built-in flashlight and robust plastic shell with metal body construction, indicating durability and emergency lighting capability.

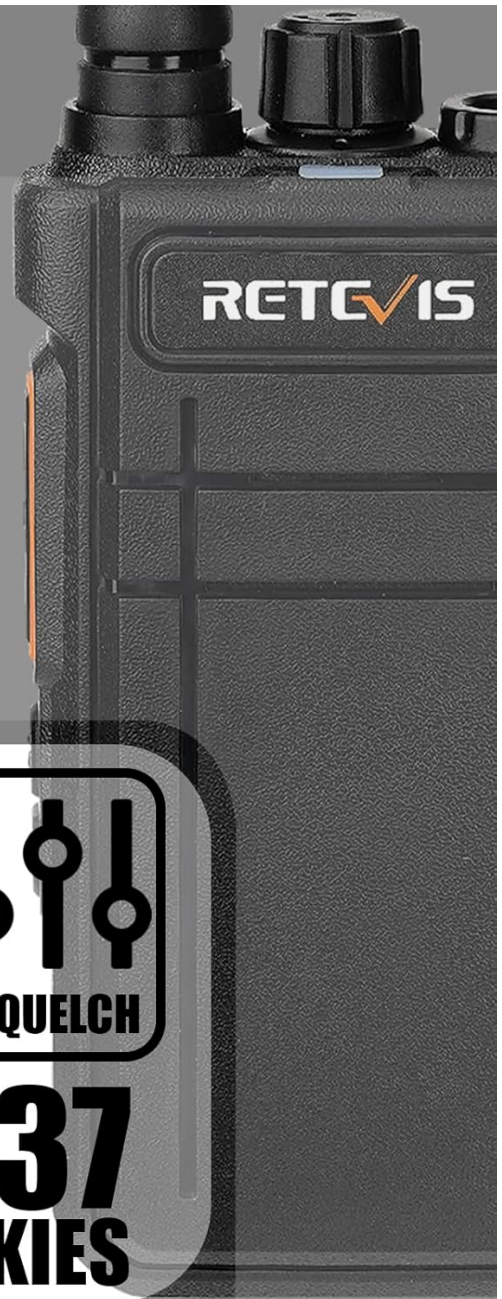
4. SETUP

4.1 Charging the Radio and Headset

1. **Radio Charging:** Insert the USB Type-C charging cable into the radio's charging port or place the radio in its charging base. Connect the other end of the cable to a compatible USB power adapter (not included). The indicator light on the charging base will show charging status.
2. **Headset Charging:** Connect the USB Type-C charging cable to the Bluetooth headset's charging port. Connect the other end to a USB power adapter. The headset's indicator light will show charging status.

Ensure both devices are fully charged before first use. A full charge for the radio typically takes several hours.

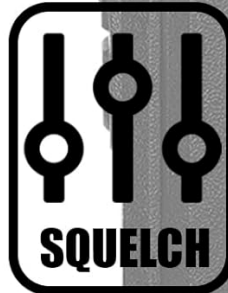
SOUND SYSTEM



01 Tail sound cancellation

02 Squelch

03 VOX



RETEVIS RB637 BLUETOOTH WALKIE TALKIES

Figure 4.1: The Retevis RB637 radio's charging interfaces. This image highlights the Type-C charging port and the Kenwood 2-pin accessory port, along with the 2000mAh battery capacity.

4.2 Attaching the Belt Clip and Lanyard

- **Belt Clip:** Align the belt clip with the designated slots on the back of the radio and slide it down until it clicks into place.
- **Lanyard:** Thread the lanyard through the loop on the top or side of the radio for secure carrying.

4.3 Pairing the Bluetooth Headset

The Bluetooth headset is designed for automatic pairing with the RB637 radio upon power-on. No additional manual pairing steps are typically required. Ensure both devices are powered on and within approximately 6 meters (20 feet) of each other for optimal connection.



Figure 4.2: The Retevis RB637 radio and its Bluetooth headset, featuring Bluetooth 5.3 technology for reliable wireless connection.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- **Radio:** Rotate the power/volume knob clockwise to power on the radio. Rotate counter-clockwise until a click is heard to power off.
- **Bluetooth Headset:** Press and hold the power button on the headset until the indicator light illuminates. Repeat to power off.

5.2 Adjusting Volume

Rotate the power/volume knob on the radio to adjust the listening volume. The headset volume is typically controlled by the radio's volume setting.

5.3 Selecting a Channel

Use the channel selector knob on the top of the radio to choose one of the 16 available channels. Ensure all radios you wish to communicate with are set to the same channel and sub-audio code.

5.4 Transmitting and Receiving

- **Using the Radio PTT:** Press and hold the Push-To-Talk (PTT) button on the side of the radio to transmit. Speak clearly into the microphone. Release the PTT button to receive.
- **Using the Bluetooth Headset PTT:** Lightly touch the PTT button on the Bluetooth headset to transmit. Speak into the headset's microphone. Release the touch PTT to receive.

5.5 VOX Function (Voice Operated Exchange)

The VOX function allows for hands-free transmission. When activated, the radio will automatically transmit when it detects your voice, without needing to press the PTT button. Refer to the radio's specific key combination

instructions for activating and deactivating VOX.



Figure 5.1: The Retevis RB637 radio's sound system features, including 'Tail sound cancellation', 'Squelch', and 'VOX', which enhance communication clarity and hands-free operation.

5.6 Flashlight Operation

To activate the flashlight, locate the dedicated flashlight button or refer to the radio's specific key combination instructions. Press once to turn on, and again to turn off.

5.7 Wireless Clone Function

This feature allows you to copy channel settings from one RB637 radio to another wirelessly. Ensure both radios are compatible and follow the specific instructions for initiating the wireless clone process. This typically involves a specific key sequence on both the source and target radios.

PACKAGE DETAILS



Figure 5.2: The Retevis RB637 radio demonstrating its multi-model compatibility and wireless cloning capabilities, allowing for easy setup and synchronization with other Retevis radios.

6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio and headset. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the radio and accessories in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Recharge the battery when the low battery indicator appears. If storing for extended periods, charge the battery to approximately 50% every three months.
- **Water Resistance:** The Retevis RB637 is **not waterproof**. Avoid exposing the device to water or high humidity.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is depleted or not properly installed.	Charge the battery. Ensure the battery is correctly inserted.
Cannot transmit or receive.	Incorrect channel or sub-audio code. Out of range. Low battery.	Verify channel and sub-audio settings. Move closer to other radios. Recharge battery.
Bluetooth headset not connecting.	Headset is off or out of range. Low headset battery.	Ensure headset is powered on and within 6m of the radio. Charge headset battery.
Poor audio quality.	Weak signal. Obstructions. Volume too low/high.	Move to an open area. Adjust volume. Check antenna connection.
Flashlight not working.	Low battery. Feature not activated correctly.	Recharge radio battery. Refer to operating instructions for flashlight activation.

8. SPECIFICATIONS

Feature	Specification
Model Number	RB637
Brand	Retevis
Frequency Range	446.00625-446.19375 MHz
Number of Channels	16
Maximum Range	2 Kilometers (dependent on terrain and conditions)
Radio Battery Capacity	2000mAh Lithium-ion
Headset Battery Capacity	180mAh
Average Battery Life	15 hours (radio), 12 hours (headset)
Voltage	3.7 Volts
Connectivity Protocol	Bluetooth 5.3
Water Resistance Level	Not waterproof
Operating Temperature	-10°C to +50°C
Product Dimensions (L x W x H)	3.6 x 6.1 x 18.3 cm
Item Weight	430 Grams

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Retevis offers a **2-year warranty** for the radio body and a **1-year warranty** for accessories from the date of purchase. Additionally, a 30-day return policy is provided without requiring a specific reason. Beyond the warranty period, maintenance services are available. Buyers are responsible for any associated costs for such services.

9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact Retevis customer support through the Amazon platform. We aim to respond to all inquiries within 12 hours.