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## Retevis B3B

# Retevis B3B Mini Walkie Talkies User Manual

Comprehensive instructions for setup, operation, maintenance, and troubleshooting.

## 1. PRODUCT OVERVIEW

The Retevis B3B is a compact, slim, and lightweight two-way radio designed for reliable communication during activities such as camping, hiking, or general outdoor use. It features a powerful 1620mAh battery, USB-C charging, and essential functions for ease of use.



Figure 1: Retevis B3B Mini Walkie Talkies.

## Key Features:

- **Front Three-Button Operation:** Easy access to VOX, Squelch, and Key Lock functions.
- **Compact and Lightweight Design:** Measuring 5.83 x 2.17 x 0.59 inches and weighing 2.08 ounces, it's designed for comfortable portability.
- **Long Battery Life:** Equipped with a 1620mAh lithium-ion battery, providing approximately 22 hours of normal daily usage.
- **USB-C Charging:** Convenient charging via power bank, PC, or car charger.
- **Loud and Clear Sound:** Features 1-7 squelch levels for optimal audio clarity.
- **VOX Function:** Enables hands-free communication without pressing the PTT button.
- **Emergency Alarm:** A dedicated function for urgent situations.

## 2. SETUP

### 2.1 Package Contents

Ensure all items are present in your package:

- 2 x B3B Walkie-Talkies
- 2 x 1620mAh Lithium-Ion Batteries (included inside radios)
- 1 x Adapter
- 1 x Charging Cable (USB-C)
- 2 x Belt Clips
- 1 x User Manual

### Package Includes



B3B walkie talkies x2



Charging cable x1



Belt clip x2



Adapter x1



User manual x1

Figure 2: Package Contents.

### 2.2 Charging the Radios

The B3B walkie talkies feature a built-in 1620mAh battery and a USB-C charging port for convenience.

1. Locate the USB-C charging port on the side of the walkie talkie, usually protected by a rubber flap.
2. Connect the provided USB-C charging cable to the port.
3. Plug the other end of the USB-C cable into the adapter, a power bank, PC, or car charger.
4. The charging indicator light will illuminate (typically red) during charging and change color (typically green) when fully charged.



Figure 3: USB-C Charging Port.

## 2.3 Attaching the Belt Clip

To attach the belt clip:

1. Align the belt clip with the grooves on the back of the walkie talkie.
2. Slide the belt clip downwards until it clicks securely into place.

To remove the belt clip:

1. Push the upper lock of the belt clip outward.
2. Push the left thumb against the bottom of the belt clip and gently push upwards to remove it.

## 2.4 Connecting an Earpiece (Optional)

If using an earpiece (not included with this specific variant), connect it to the dedicated audio port on the side of the radio, usually located next to the USB-C port and covered by a rubber flap.

# 3. OPERATING INSTRUCTIONS

## 3.1 Power On/Off and Volume Adjustment

To power on or off the walkie talkie, rotate the power/volume knob located at the top of the device. Continue rotating the knob to adjust the volume level.

## 3.2 Channel Selection

The Retevis B3B has 16 channels. To change channels, use the UP and DOWN buttons on the front of the walkie talkie. Ensure all radios intended for communication are set to the same channel.

## 3.3 Push-to-Talk (PTT)

To transmit your voice, press and hold the large PTT button located on the side of the walkie talkie. Speak clearly into the microphone. Release the PTT button to listen for incoming transmissions.

### 3.4 VOX Function (Hands-Free Communication)

The VOX (Voice Operated Exchange) function allows you to transmit without manually pressing the PTT button. When activated, the radio will automatically transmit when it detects your voice.



Figure 4: VOX Function in use.

### 3.5 Key Lock Function

To prevent accidental channel changes or function activation, you can enable the key lock function. Long press the 'DOWN' button on the front of the radio to activate or deactivate this feature.

## Keypad Lock

Keep your settings from changing accidentally.  
Long press the "DOWN" button to enable this function.



Figure 5: Key Lock Function.

### 3.6 Emergency Alarm

The B3B walkie talkie includes an emergency alarm function for critical situations. This can be activated via a dedicated button on the front panel.

# Local and Remote Alarm

Enable it when your journey is in trouble



Figure 6: Emergency Alarm Function.

## 3.7 Squelch Adjustment

Squelch helps to suppress weak signals or background noise. The B3B offers 1-7 squelch levels. To adjust, short press the MENU button twice continuously. The voice prompt will announce 'squelch', allowing you to enter the adjustment mode.

## 3.8 One-Key Pairing

The one-key pairing feature simplifies connecting multiple B3B radios. This allows for efficient and convenient setup for group communication.

## One Key Pairing

Efficient and convenient



Figure 7: One-Key Pairing.

### 3.9 Appearance Display

The Retevis B3B features a sleek and minimalist design with essential controls easily accessible on the front and sides.

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Video 1: Retevis B3B appearance display, showcasing the compact and user-friendly design of the walkie talkie.

### 3.10 Easy to Carry and Long Battery Life

The slim profile and lightweight construction make the B3B easy to carry in a pocket or clipped to clothing. The 1620mAh battery ensures extended operation throughout the day.

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Video 2: Demonstrating the portability and long battery life of the Retevis B3B walkie talkie, highlighting its suitability for active users.

### 3.11 Three Buttons on the Front, Easy to Operate

The front panel features three intuitive buttons for quick access to common functions, enhancing user experience.

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Video 3: Highlighting the three front buttons of the Retevis B3B, demonstrating their ease of operation for various functions.

## 4. MAINTENANCE

To ensure the longevity and optimal performance of your Retevis B3B walkie talkies, follow these maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the radio. Avoid harsh chemicals or abrasive cleaners.
- **Battery Care:** Charge the battery regularly. Avoid fully discharging the battery frequently, as this can reduce its lifespan. Store radios in a cool, dry place when not in use.
- **Storage:** Store the walkie talkies in a dry environment away from extreme temperatures and direct sunlight.
- **Avoid Drops:** While durable, excessive drops can damage internal components. Handle with care.

## 5. TROUBLESHOOTING

If you encounter issues with your Retevis B3B walkie talkies, refer to the following common troubleshooting steps:

- **No Power:** Ensure the battery is charged. Check the power/volume knob is turned to the 'on' position.
- **Cannot Transmit/Receive:** Verify that both radios are on the same channel. Check the volume level. Ensure the PTT button is fully pressed during transmission.
- **Poor Audio Quality:** Adjust the squelch level (1-7). Ensure there are no obstructions between the radios. Move to an open area if possible.
- **Limited Range:** Obstacles like buildings, hills, and dense foliage can reduce range. Move to a higher or more open location.
- **Buttons Unresponsive:** Check if the Key Lock function is activated. Deactivate it by long-pressing the 'DOWN' button.

## 6. SPECIFICATIONS

Feature	Specification
Brand	Retevis
Model Number	B3B

Feature	Specification
Item Weight	2.08 ounces
Product Dimensions	5.83 x 2.17 x 0.59 inches
Batteries	2 Lithium Ion batteries required (included)
Number of Channels	16
Special Feature	1620 mAh Large capacity battery, Lightweight
Frequency Range	FRS
Talking Range Maximum	1 Mile
Voltage	3.7 Volts (DC)
Water Resistance Level	Not Water Resistant





Figure 8: Back of Retevis B3B with specifications.

## 7. 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 still available, with buyers responsible for associated costs. For any inquiries or support, please contact us on Amazon, and we will respond within 12 hours.