

## Retevis RB619

# Retevis RB619 PMR446 Walkie Talkie Instruction Manual

Model: RB619

## INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Retevis RB619 PMR446 Walkie Talkie. Please read this manual thoroughly before using the device to ensure optimal performance and to prevent damage.

## PRODUCT FEATURES

- **Long-lasting Battery:** Equipped with a large 1650mAh lithium battery, offering up to 90 hours of standby time. Features a low battery warning and power-saving mode.
- **Efficient Charging:** Rechargeable walkie talkie, powered by a 6-port charger capable of charging six units simultaneously. Includes a USB-C charging port for individual units.
- **Compact Design:** Lightweight and compact with dimensions of 144x54x24mm. Features a high-quality back clip for easy attachment to clothing or backpacks.
- **Clear Display:** Unique dot matrix display with a large 1.7-inch screen for easy identification of information.
- **Enhanced Audio:** High-quality earpiece allows use of the walkie talkie in public places with clear sound quality, maintaining effective communication even in noisy environments.
- **Professional Functions:** Includes VOX (Voice Operated Exchange), squelch, keypad lock, 50 CTCSS (Continuous Tone-Coded Squelch System), and 208 DCS (Digitally Coded Squelch) to meet various communication needs.
- **License-Free Operation:** PMR446 walkie talkies comply with all European license-free walkie talkie requirements, ensuring confident use.

## PACKAGE CONTENTS

Upon opening the package, please verify that all items are present and in good condition:

- Retevis RB619 PMR446 Walkie Talkie units (quantity as per pack)
- 1650mAh Lithium-ion Batteries (pre-installed or separate)
- Earpieces (quantity as per pack)
- 6-Port Multi-Charger with Power Adapter
- USB-C Charging Cable (for individual unit charging)

- Belt Clips (pre-installed or separate)
- User Manual (this document)

## Package Details



Image: Overview of the Retevis RB619 walkie talkie package contents, showing multiple units, earpieces, and the charging station.

### COMPONENT IDENTIFICATION

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Image: Detailed diagram illustrating the various parts of the Retevis RB619 walkie talkie and their functions.

- **Antenna:** For transmitting and receiving signals.
- **On/Off/Volume Knob:** Rotate to power on/off and adjust volume.
- **PTT (Push-to-Talk) Button:** Press and hold to transmit, release to receive.
- **Screen:** Displays channel, battery level, and other status indicators.
- **MENU Button:** Accesses the menu for settings adjustments.
- **Up/Down Buttons:** Navigate through menu options and adjust settings.
- **Mic (Microphone):** For speaking during transmission.
- **Speaker:** For receiving audio.
- **Back Clip:** For attaching the walkie talkie to clothing or a belt.
- **Earpiece / Charging Port:** Multi-functional port for earpiece connection and USB-C charging.

## 1. Battery Installation and Charging

The Retevis RB619 walkie talkie uses a 1650mAh Lithium-ion battery. Ensure the battery is fully charged before first use.

1. **Install Battery:** If not pre-installed, align the battery with the compartment on the back of the walkie talkie and press firmly until it clicks into place.
2. **Charge using 6-Port Charger:**
  - Connect the 6-port charger's power adapter to a suitable power outlet.
  - Place the walkie talkie units into the charging slots. Ensure they are seated correctly.
  - The independent pilot lamp for each slot will indicate charging status: **Red** for Charging, **Green** for Charging Completed.



Image: The 6-port multi-charger with indicator lights, demonstrating how to charge multiple walkie talkies simultaneously.



## Chargeur multiple à six ports

### Chargeur à six voies

- vous pouvez charger 6 talkies walkies en même temps,
- Non seulement gain de place, charge efficace,
- Le chargeur a une protection contre la surcharge, sûr et fiable.



Image: Visual representation of the six-way charger connected to a power source, charging multiple walkie talkies.

3. **Charge using USB-C:** Connect a USB-C cable to the earpiece/charging port on the side of the walkie talkie and to a USB power source.

### 2. Attaching the Belt Clip

The belt clip allows for convenient carrying. Align the belt clip with the designated grooves on the back of the walkie talkie and slide it down until it locks into place.

### 3. Attaching the Earpiece

Insert the earpiece jack into the earpiece/charging port on the side of the walkie talkie until it is securely connected.

## OPERATING INSTRUCTIONS

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### 1. Power On/Off and Volume Adjustment

Rotate the On/Off/Volume knob clockwise to power on the walkie talkie. Continue rotating clockwise to increase the volume. Rotate counter-clockwise to decrease volume and power off.

### 2. Channel Selection

Use the **Up** and **Down** buttons to select your desired channel. Ensure all walkie talkies intended for communication are set to the same channel and CTCSS/DCS code.

### 3. Transmitting and Receiving

1. To transmit, press and hold the **PTT (Push-to-Talk)** button. Speak clearly into the microphone.
2. Release the **PTT** button to stop transmitting and return to receive mode.
3. When receiving, the speaker will emit audio.



Image: Illustration of pressing the Push-to-Talk (PTT) button for communication.

#### 4. Using VOX Function

The VOX (Voice Operated Exchange) function allows hands-free transmission. When VOX is enabled, the walkie talkie will automatically transmit when it detects your voice.

1. Press the **MENU** button to enter the menu.
2. Navigate to the VOX setting using the **Up/Down** buttons.
3. Select the desired VOX sensitivity level (usually 1-9, with 9 being most sensitive).
4. Confirm your selection and exit the menu.



Image: Visual representation of the VOX function, enabling voice-activated transmission.

#### 5. Squelch Function

Squelch suppresses weak signals and background noise, ensuring clearer reception. The RB619 offers 0-9 levels of squelch.

1. Access the menu via the **MENU** button.
2. Locate the Squelch setting.
3. Adjust the level using the **Up/Down** buttons (higher numbers mean stronger squelch, filtering out more noise but potentially weaker signals).
4. Confirm and exit.



# 0-9 level squelch

Mesh speakers, fidelity sound

Image: Representation of the walkie talkie's speaker and sound quality, highlighting the 0-9 level squelch feature.

## 6. Keypad Lock

To prevent accidental changes to settings, you can lock the keypad. Refer to the on-screen prompts or specific menu options for activating and deactivating the keypad lock.



Image: Icons depicting key functions and indicators on the walkie talkie's display, including keypad lock.

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the walkie talkie. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:**
  - Avoid overcharging or completely draining the battery.
  - Store the walkie talkie and batteries in a cool, dry place when not in use for extended periods.
  - If the battery is removable, remove it if the device will not be used for a long time.
- **Storage:** Keep the walkie talkie away from extreme temperatures, direct sunlight, and moisture.
- **Antenna:** Do not bend or modify the antenna, as this can affect performance.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Battery is low or depleted; battery not installed correctly.	Charge the battery; ensure battery is properly seated.
Cannot transmit or receive	Incorrect channel/CTCSS/DCS code; out of range; PTT button not pressed.	Verify channel and codes match; move closer to other units; press PTT firmly.
Poor sound quality / Static	Weak signal; high squelch level; interference.	Move to an open area; adjust squelch level; check for sources of interference.
Battery not charging	Charger not connected; faulty charger/cable; battery issue.	Ensure charger is plugged in; check cable connections; try a different charging method (USB-C); contact support if battery is suspected faulty.
Keypad unresponsive	Keypad lock is active.	Deactivate keypad lock as per operating instructions.

## SPECIFICATIONS

Brand	Retevis
Model Number	EUA9059K-C9059C-C9154AX6 (RB619 Series)
Color	Navy Blue
Special Features	Lightweight
Compatible Devices	Retevis PMR446, Earpieces
Battery Composition	Lithium-ion
Rechargeable Battery	Yes (1650mAh)
Number of Channels	16



Frequency Range	446.00625-446.19375 MHz (PMR446)
Maximum Range	2 Kilometers (dependent on terrain and conditions)
Voltage	3.7 Volts
Water Resistance Level	Not waterproof
Item Weight	135 Grams
Country of Origin	China

## WARRANTY AND SUPPORT

### Manufacturer Warranty

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

### Customer Support

For any questions, technical assistance, or warranty claims, please contact Retevis customer service through Amazon. You can expect a response within 12 hours.  
Visit the official Retevis store on Amazon for more information:[Retevis Amazon Store](#)

