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## Retevis RA619

# Retevis RA619 Bluetooth Walkie Talkie User Manual

Model: RA619

## 1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Retevis RA619 Bluetooth Walkie Talkie. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

The Retevis RA619 is a versatile two-way radio featuring integrated Bluetooth connectivity, a 1400mAh rechargeable battery, vibration alert, one-key pairing, and an SOS emergency function. It is designed for various activities including cycling, hunting, and general outdoor communication.

## 2. PACKAGE CONTENTS

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

- Retevis RA619 Walkie Talkie
- 1400mAh Lithium-ion Battery
- Charging Base
- Micro USB Charging Cable
- Bluetooth Headset
- Belt Clip
- User Manual



Image: Contents of the Retevis RA619 package, including the walkie talkie, battery, charging base, USB cable, and Bluetooth headset.

### 3. SETUP

#### 3.1 Battery Installation and Charging

The RA619 uses a 1400mAh Lithium-ion rechargeable battery. It can also operate with 3 AA batteries (not included) as an alternative power source.

- 1. Install Battery:** Open the battery compartment cover on the back of the walkie talkie. Insert the 1400mAh Lithium-ion battery, ensuring the contacts align. Close the cover securely.
- 2. Charging:**
  - Using Charging Base: Place the walkie talkie into the charging base. Connect the micro USB cable to the charging base and then to a power source (e.g., USB wall adapter, computer USB port).

- **Direct Micro USB Charging:** Alternatively, you can connect the micro USB cable directly to the charging port on the side of the walkie talkie and then to a power source.

3. **Charging Indicator:** The charging indicator light will show the charging status. Refer to the device's display for battery level.



Image: The Retevis RA619 highlighting its 1400mAh battery and various charging methods, including a docking charger and USB cable.

### 3.2 Bluetooth Headset Pairing

The RA619 features an integrated Bluetooth module for hands-free communication with the included Bluetooth headset. The wireless connection range is approximately 10 meters.

1. **Power On Headset:** Turn on the Bluetooth headset (refer to the headset's specific instructions if needed).
2. **Activate Bluetooth on Walkie Talkie:** Access the menu on the RA619 and navigate to the Bluetooth settings. Enable Bluetooth.
3. **Pairing:** The walkie talkie will search for available Bluetooth devices. Select the headset from the list to pair. A confirmation message or indicator light will show successful pairing.



Image: The Retevis RA619 walkie talkie shown with a Bluetooth headset, illustrating its wireless intercom capability for easy pairing within 10 meters.

*Note: For optimal performance, use the provided Bluetooth headset. Compatibility with other Bluetooth headsets may vary.*

## 4. OPERATING INSTRUCTIONS

### 4.1 Power On/Off

To power on or off the walkie talkie, press and hold the power button located on the side of the device until the screen illuminates or turns off.

### 4.2 Channel Selection

The RA619 supports 16 channels. Use the **Up** and **Down** arrow buttons to select your desired channel. Ensure all parties are on the same channel for communication.

### 4.3 One-Key Pairing

The one-key pairing feature allows for quick synchronization of channel and sub-code settings with another RA619 unit.

1. Place both walkie talkies in close proximity.
2. Activate the one-key pairing function on both devices (refer to the menu for this option).
3. The devices will automatically copy the channel and CTCSS/DCS sub-code settings, establishing communication within seconds.

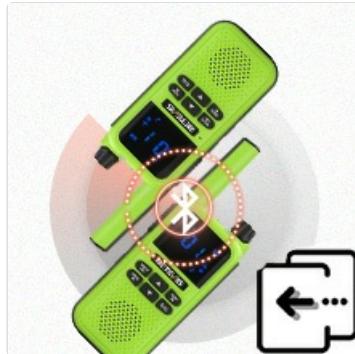


Image: Two Retevis RA619 walkie talkies shown in the process of one-key pairing, indicated by a Bluetooth symbol and arrows.

#### 4.4 Transmitting and Receiving

- **To Transmit:** Press and hold the **PTT (Push-To-Talk)** button on the side of the walkie talkie. Speak clearly into the microphone. Release the PTT button to listen.
- **To Receive:** Ensure the PTT button is not pressed. The walkie talkie will automatically receive transmissions on the selected channel.

#### 4.5 VOX Function (Voice Operated Exchange)

The VOX function allows for hands-free transmission without pressing the PTT button. When using a headset, you can activate VOX through the walkie talkie's menu. This enables communication as if using a mobile phone, ideal for activities like cycling.

#### 4.6 Vibration Alert

The vibration function provides discreet alerts for incoming transmissions, useful in noisy environments or when silence is preferred. This feature ensures you receive information without audible disturbance.



Image: A Retevis RA619 walkie talkie attached to a belt, with wavy lines indicating its vibration alert feature.

#### 4.7 CTCSS/DCS Codes

CTCSS (Continuous Tone-Coded Squelch System) and DCS (Digitally Coded Squelch) codes help filter out unwanted conversations on a channel. By setting a specific sub-code, you will only hear transmissions from users who have the same code set. The RA619 supports 50 CTCSS and 105 DCS codes.

Keep your communication safe



Image: The Retevis RA619 walkie talkie screen showing channel information along with indicators for 50 CTCSS and 105 DCS codes, ensuring secure communication.

#### 4.8 SOS Emergency Function

In an emergency, press the dedicated **SOS button**. The walkie talkie will emit an audible alarm and send a distress signal to your communication partner(s) simultaneously, indicating your need for assistance.

#### 4.9 LED Flashlight

The integrated LED flashlight can be activated to illuminate dark environments or to increase your visibility. It can also be used to signal your location in emergency situations.



Image: The Retevis RA619 walkie talkie with its LED flashlight activated, providing illumination in a dark outdoor setting.

## 5. MAINTENANCE

- **Battery Care:** To prolong battery life, avoid overcharging or completely draining the battery. Store the battery in a cool, dry place when not in use for extended periods.
- **Cleaning:** Wipe the walkie talkie with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the device is dry before use.
- **Water Resistance:** The Retevis RA619 is **not waterproof**. Avoid exposing the device to water or high humidity to prevent damage.
- **Storage:** Store the walkie talkie in a dry, dust-free environment away from extreme temperatures.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No power / Device won't turn on	Battery is depleted or incorrectly installed.	Ensure the battery is fully charged and correctly inserted. If using AA batteries, check their charge level and orientation.
Cannot communicate with other radios	Different channels or CTCSS/DCS codes. Out of range.	Verify that all radios are set to the same channel and CTCSS/DCS code. Move closer to the other radio. Use the one-key pairing function.
Poor audio quality / Static	Weak signal, interference, or low battery.	Move to an open area. Check battery level. Ensure no obstructions are blocking the signal.
Bluetooth headset not pairing or poor audio	Headset not in pairing mode, out of range, or compatibility issue.	Ensure the headset is in pairing mode and within 10 meters. Re-attempt pairing. For best results, use the provided Retevis Bluetooth headset.
Short battery life	Frequent use, high power transmission, or aging battery.	Ensure the battery is fully charged before use. Consider using power-saving features if available. Battery performance may degrade over time.
Difficulty setting CTCSS/DCS frequencies	Device displays numbers instead of Hz frequencies.	The device uses numerical codes for CTCSS/DCS. Refer to the programming software or a conversion chart if specific Hz frequencies are required for compatibility with other radios.

## 7. SPECIFICATIONS

<b>Brand</b>	Retevis
<b>Model Number</b>	RA619 (EUA9217B)
<b>Color</b>	Green
<b>Special Features</b>	Emergency Alarm, Bluetooth, VOX, Vibration, LED Flashlight
<b>Compatible Devices</b>	Bluetooth devices
<b>Battery Type</b>	Lithium-ion (1400mAh, included), also supports 3x AA (not included)
<b>Rechargeable Battery</b>	Yes
<b>Number of Channels</b>	16
<b>Frequency Range</b>	446.00625-446.19375 MHz
<b>Maximum Range</b>	1.5 Miles (approximately 2.4 km)
<b>Voltage</b>	3.7 Volts
<b>Water Resistance Level</b>	Not waterproof

## Product Dimensions (L x W x H)

3.4D x 5.5W x 15.8H cm

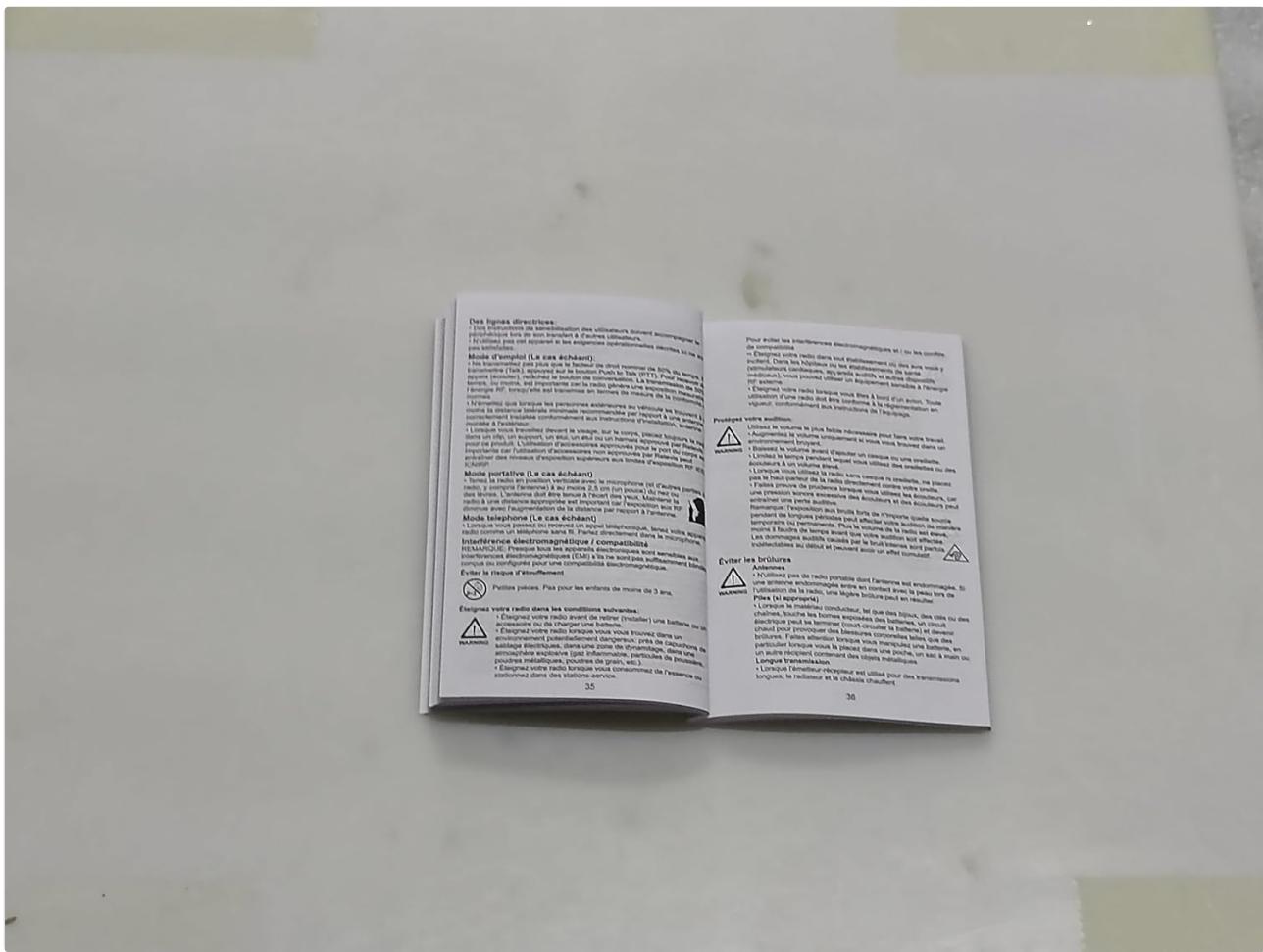


Image: A side view of the Retevis RA619 walkie talkie with its dimensions (158mm height, 33.5mm depth, 54.5mm width) indicated.

## 8. WARRANTY AND SUPPORT

Retevis offers the following warranty and support for the RA619 Walkie Talkie:

- Warranty Period:** A 2-year manufacturer's warranty is provided from the date of purchase.
- Return Policy:** You may try the product for 30 days and return it free of charge if you are not satisfied.
- Replacement:** Within the first 6 months, Retevis can replace the walkie talkie for you if it is found to be defective.
- Repair Service:** After 7 months, Retevis will be responsible for repairing the product. However, you will be responsible for the shipping costs associated with the repair.
- Contact Support:** For any questions, technical assistance, or warranty claims, please contact Retevis customer support through their official website or the platform where you purchased the product.

