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Retevis EUA9175B-C9003AX2

Retevis RT668 Walkie Talkie Instruction Manual

Model: EUA9175B-C9003AX2

1. GENERAL INFORMATION

1.1 Product Overview

The Retevis RT668 is a compact and robust license-free PMR446 two-way radio, designed for clear and reliable communication. It is suitable for various applications, from personal use to professional environments requiring short-range communication.



Figure 1: Retevis RT668 Walkie Talkie Set

This image displays two Retevis RT668 walkie-talkies, each accompanied by an earpiece and a charging base. The devices are black, compact, and feature a sturdy design, highlighting the complete communication solution provided in the package.

1.2 Key Features

- **License-Free Operation:** Operates on PMR446 frequencies, ready to use out of the box.
- **Robust Design:** Features a hard plastic frame for enhanced durability and protection.
- **Noise Reduction:** Equipped with 9 levels of squelch to minimize background noise and ensure clear audio.
- **Long Battery Life:** Powered by a 1200mAh lithium battery, providing approximately 10 hours of average battery life.
- **Convenient Charging:** Includes a dual-purpose USB charger for flexible charging options.
- **Portable:** Lightweight and compact for easy handling and carrying.
- **Professional Headset:** Comes with a headset for clear communication and hands-free operation.

Engineering protection

Solid struture and hard shell



Figure 2: Engineering Protection

This image shows a single Retevis RT668 walkie-talkie placed on rocky terrain, emphasizing its solid structure and hard shell design, which provides effective protection against impacts and harsh conditions.

1200mAh Lithium Battery

Long- lasting battery life



Work time

15H



Standby time

30H



Figure 3: 1200mAh Lithium Battery

The image highlights the 1200mAh lithium battery of the Retevis RT668, indicating a work time of 15 hours and a standby time of 30 hours, showcasing its long-lasting battery life for extended use.

VOX

Free your hands and communicate efficiently

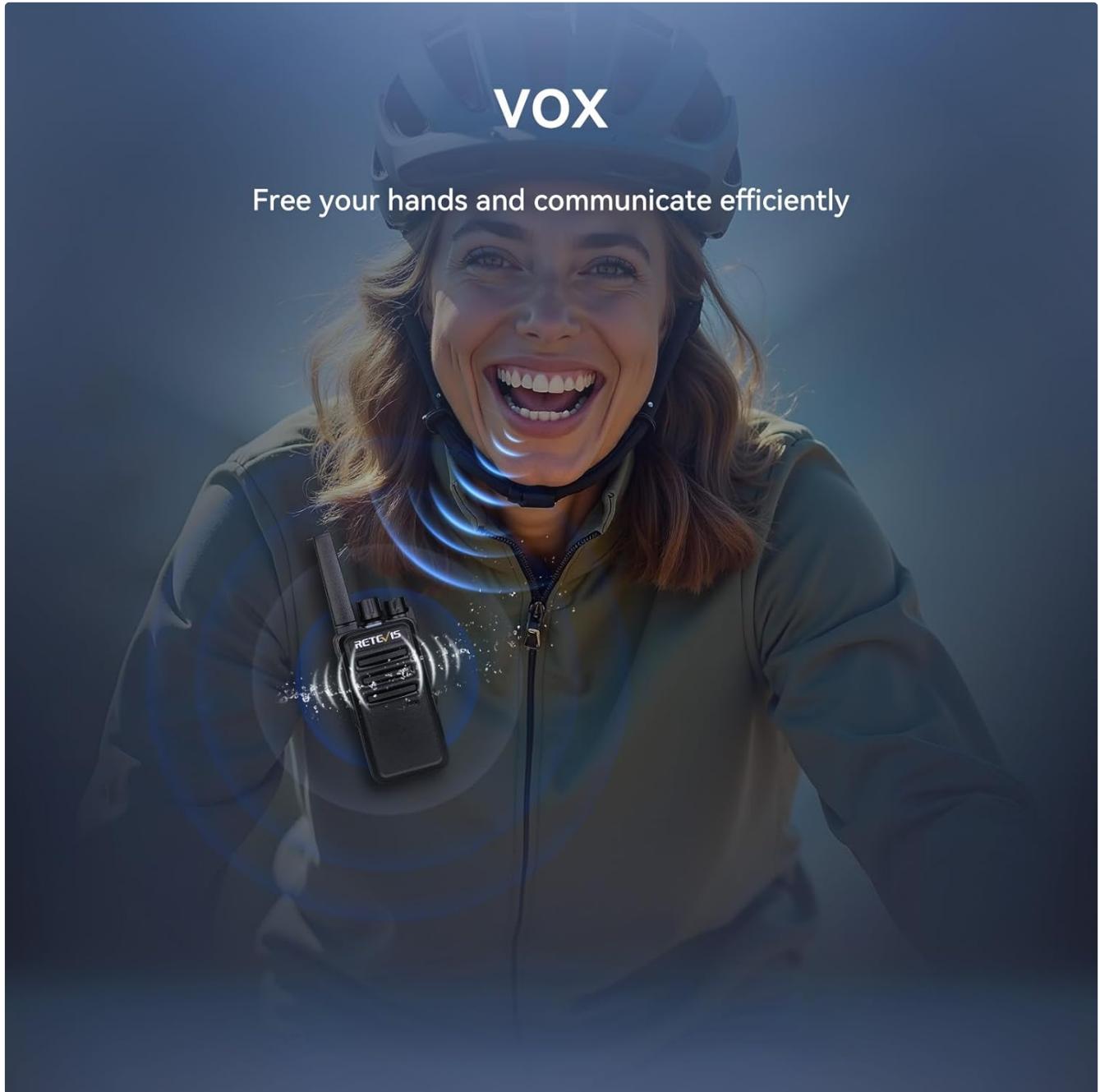


Figure 4: VOX Function in Use

This image illustrates the VOX (Voice Operated Exchange) function, showing a person cycling with the walkie-talkie clipped to their clothing, allowing for hands-free communication and efficient operation.

Portable walkie-talkie

Enjoy the compact grip



Figure 5: Portable Design

The image demonstrates the compact size of the Retevis RT668, showing it fitting easily into a pocket, along with its dimensions (165mm height, 55mm width, 33mm depth), highlighting its portability.

Premium sound quality

9 levels of squelch



Figure 6: Premium Sound Quality

This image visually represents the premium sound quality of the Retevis RT668, with a hand holding the device and a graphic of sound waves, indicating its 9 levels of squelch for clear audio.

2. PACKAGE CONTENTS

The Retevis RT668 package includes the following items:

- 2 x Retevis RT668 Walkie Talkies
- 2 x Headset Sets
- 2 x 1200 mAh Li-ion Batteries
- 2 x USB Chargers
- 2 x Belt Clips
- 2 x Lanyards

- 1 x User Manual

Package Includes



2 x Walkie talkie



2 x Battery



2 x Back clip



2 x Lanyard



2 x Charging base



2 x Earpieses

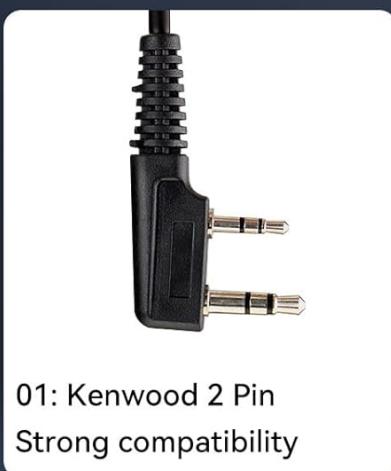
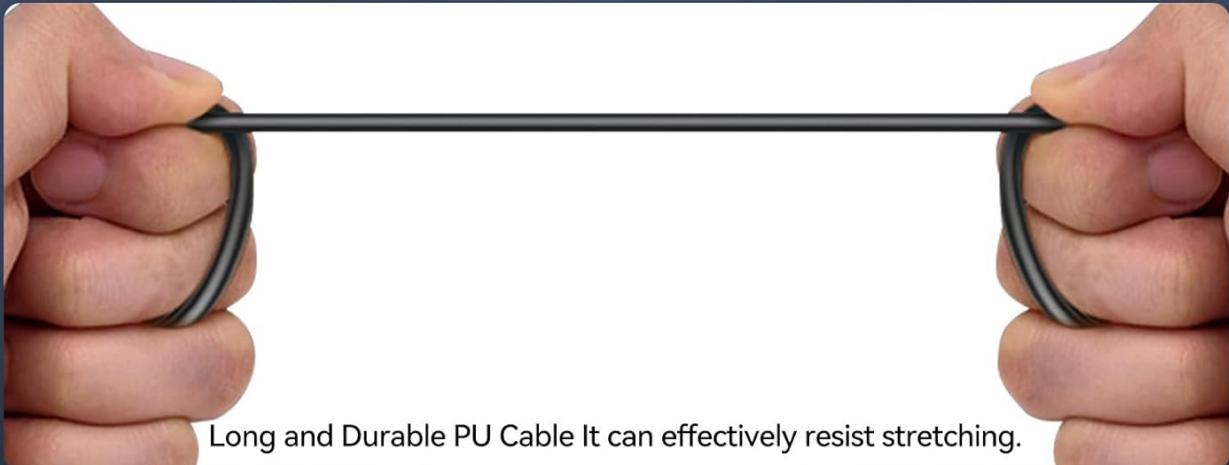


1 x Manual

Figure 7: Package Contents

This image provides a visual breakdown of all items included in the Retevis RT668 package, neatly arranged in a grid, confirming the presence of two walkie-talkies, two batteries, two back clips, two lanyards, two charging bases, two earpieces, and one manual.

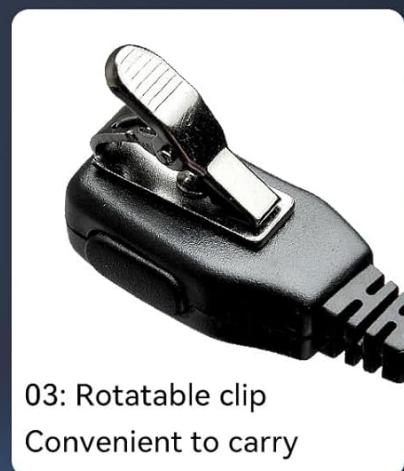
Earpieses



01: Kenwood 2 Pin
Strong compatibility



02: Covert acoustic tube
Strong compatibility



03: Rotatable clip
Convenient to carry

Figure 8: Earpieces Details

The image focuses on the included earpieces, highlighting their features: a long and durable PU cable that resists stretching, Kenwood 2-pin strong compatibility, a covert acoustic tube, and a rotatable clip for convenient carrying.

3. SETUP AND INITIAL USE

3.1 Battery Installation and Charging

1. Ensure the walkie-talkie is turned off before installing or removing the battery.
2. Align the battery with the battery compartment on the back of the radio.
3. Slide the battery into place until it clicks securely.
4. To charge, connect the USB charger to a power source and place the walkie-talkie (with battery installed) into the charging base. The indicator light will show charging status.
5. Alternatively, the battery can be charged separately using the USB charger.

This video demonstrates the robust build quality of the Retevis RT668 walkie-talkie, showcasing its physical features, controls, and the ease of battery installation and removal, highlighting its reliability and user-friendly design.

3.2 Basic Operation

1. **Power On/Off:** Rotate the power/volume knob clockwise to turn on the radio. Rotate counter-clockwise until a click is heard to turn off.
2. **Adjust Volume:** Rotate the power/volume knob to adjust the listening volume.
3. **Select Channel:** Rotate the channel knob to select one of the 16 available channels. Ensure all radios in your group are on the same channel.
4. **Transmit (PTT):** Press and hold the Push-To-Talk (PTT) button on the side of the radio to transmit your voice. Speak clearly into the microphone. Release the PTT button to listen.
5. **VOX Function:** The Voice Operated Exchange (VOX) function allows for hands-free transmission. When enabled, the radio will transmit automatically when it detects your voice. Refer to the full user manual for detailed VOX activation and sensitivity settings.

Application Scenarios



Figure 9: Application Scenarios

This image presents four common application scenarios for the Retevis RT668 walkie-talkie: family use (cooking), as a gift, during camping, and for cycling, illustrating its versatility across different activities.

4. OPERATING INSTRUCTIONS

4.1 Channel Selection

The Retevis RT668 features 16 channels. To communicate, all radios in your group must be set to the same channel. The radio also supports CTCSS/DCS codes, which can be programmed to filter out unwanted conversations from other groups on the same channel. Consult the full user manual for programming details.

4.2 VOX Function

The VOX function allows you to transmit without pressing the PTT button. When VOX is enabled, the radio automatically detects your voice and begins transmitting. This feature is particularly useful for hands-free operation. Adjusting VOX sensitivity can prevent accidental transmissions from background noise.

4.3 Squelch Function

The squelch function automatically mutes the speaker when no signal is received, eliminating background noise. The RT668 offers 9 levels of squelch. A higher squelch level requires a stronger signal to open the speaker, reducing static but potentially missing weak signals. A lower squelch level allows weaker signals through but may result in more background noise.

4.4 Range and Environment

The effective communication range of walkie-talkies is influenced by several factors, including terrain, obstacles, and atmospheric conditions. While manufacturers may state maximum ranges, these are often achieved under ideal conditions (e.g., line-of-sight, open terrain). In urban or obstructed environments, the range will be significantly reduced.

Video 2: The truth about two-way radio range

This video provides an informative explanation about the factors influencing the range of two-way radios, such as terrain, obstacles, radio power, signal type, antenna, atmospheric conditions, and the radio horizon. It clarifies common misconceptions about stated maximum ranges and offers practical advice on how to extend communication distance.

5. MAINTENANCE AND CARE

- Cleaning:** Use a soft, damp cloth to clean the radio's surface. Do not use harsh chemicals or abrasive cleaners.
- Battery Care:** To prolong battery life, avoid overcharging and completely discharging the battery. Store batteries in a cool, dry place when not in use.
- Storage:** When storing the radio for extended periods, remove the battery. Store in a dry, dust-free environment away from direct sunlight and extreme temperatures.
- Water Resistance:** This product is not waterproof. Avoid exposing it to rain, splashes, or immersion in water.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not turn on	Battery is low or not installed correctly.	Charge the battery or ensure it is properly installed.
Cannot communicate with other radios	Radios are on different channels or CTCSS/DCS codes. Out of range.	Verify all radios are on the same channel and using the same CTCSS/DCS codes. Move closer to the other radio.
Poor audio quality or static	Weak signal. High squelch level. Interference.	Move to an open area. Adjust squelch level. Check for sources of interference.
VOX not working	VOX is disabled or sensitivity is too low.	Enable VOX and adjust sensitivity settings as per the user manual.

7. SPECIFICATIONS

Feature	Specification
Brand	Retevis
Model	EUA9175B-C9003AX2
Tuner Technology	PMR446
Number of Channels	16
Frequency Range	446.00625-446.19375MHz
Maximum Talk Range	3 Kilometers (under ideal conditions)
Battery Capacity	1200 mAh Lithium-ion
Average Battery Life	10 Hours
Voltage	3.7 Volts
Noise Level	40 dB
Product Dimensions	11.6 x 5 x 3.5 cm; 161 g
Waterproof Level	Non-waterproof

8. WARRANTY AND SUPPORT

Retevis products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included in your product packaging or visit the official Retevis website. For technical support,

troubleshooting assistance, or any inquiries regarding your Retevis RT668 walkie-talkie, please contact Retevis customer service through their official channels or the retailer from whom you purchased the product.

You can also find additional support and FAQs on the [Retevis Brand Store on Amazon](#).

Related Documents - EUA9175B-C9003AX2

 RT-628 Walkie-Talkie Radio	<p>Retevis RT-628 Walkie-Talkie Radio for Kids - Features and Specifications</p> <p>Discover the Retevis RT-628, a user-friendly walkie-talkie radio designed for children. This brochure details its features, specifications, standard and optional accessories, and technical details.</p>
 Retevis RB66 Walkie-Talkie FAQ and Usage Guide	<p>Retevis RB66 Walkie-Talkie FAQ and Usage Guide</p> <p>Frequently asked questions and usage information for the Retevis RB66 walkie-talkie, covering licensing, compatibility, frequency changes, and charging.</p>
 RT628 Kids Walkie Talkie User's Guide	<p>Retevis RT628 Kids Walkie Talkie User's Guide</p> <p>User's guide for the Retevis RT628 Kids Walkie Talkie, covering setup, operation, features, safety information, and specifications. Includes instructions for installation, volume control, channel setting, special features like VOX and call tones, and safety precautions.</p>
 Retevis RT22 Walkie Talkie FAQ and Features	<p>Retevis RT22 Walkie Talkie FAQ and Features</p> <p>Frequently asked questions and key features of the Retevis RT22 walkie talkie, covering licensing, compatibility, frequency, range, and special functions like VOX and key lock.</p>
 Retevis RB27B Walkie Talkie FAQ: Features, Compatibility, and Range	<p>Retevis RB27B Walkie Talkie FAQ: Features, Compatibility, and Range</p> <p>Explore common questions about the Retevis RB27B walkie talkie, including licensing, compatibility with other models, frequency regulations, operational range, and charging options.</p>



[Retevis RT628 Two-Way Radio User Manual](#)

Comprehensive user manual for the Retevis RT628 two-way radio, covering installation, operation, additional functions, and specifications. Learn how to set up, use channels, adjust volume, and utilize features like VOX and call alerts.