

Retevis RT40

Retevis RT40 Walkie Talkies User Manual

Model: RT40

INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Retevis RT40 Walkie Talkies. The RT40 is a license-free PMR446 radio, supporting both digital (DMR) and analog modes, designed for reliable communication in various environments.

PACKAGE CONTENTS

Please check the package contents upon unboxing to ensure all items are present:

- 5 x RT40 Walkie Talkie
- 5 x 2000 mAh Lithium Battery
- 5 x Charging Cable
- 5 x Back Clip
- 5 x Lanyard
- 1 x User Manual

PACKAGE DETAILS



5X RT40 WALKIE TALKIE



5X Li-ion battery



5X Back Clip



5X Charging line



5X Sling

Image showing the Retevis RT40 walkie talkie and its included accessories: battery, charging cable, back clip, and lanyard.

PRODUCT OVERVIEW

Familiarize yourself with the main components of the Retevis RT40 walkie talkie:



RT40 HANDHELD WALKIE TALKIE

EASY TO USE

Detailed diagram illustrating the various parts of the RT40 walkie talkie, including the Channel Knob, Power ON/OFF / Volume Knob, Indicator, PTT Key, Side Key, Earpiece/Programming Jack, and MIC.

- **Channel Knob:** Used to select the desired communication channel.
- **Power ON/OFF / Volume Knob:** Rotates to turn the radio on or off and adjusts the audio volume.
- **Indicator:** LED light indicating status such as transmission, reception, or low battery.
- **PTT Key (Push-to-Talk):** Press and hold to transmit your voice.
- **Side Key:** Programmable key for various functions (e.g., monitor, scan).
- **Earpiece/Programming Jack:** Port for connecting an earpiece or programming cable.
- **MIC (Microphone):** Captures your voice for transmission.

SETUP

1. Battery Installation

1. Ensure the radio is powered off.

2. Align the battery pack with the grooves on the back of the radio.
3. Slide the battery pack upwards until it clicks into place.
4. To remove, press the battery release latch and slide the battery downwards.

2. Charging the Battery

The RT40 comes with a 2000 mAh Li-ion battery. For optimal performance, fully charge the battery before first use.

1. Connect the charging cable to the radio's charging port (Type-C).
2. Connect the other end of the charging cable to a compatible USB power adapter (not included) or a computer USB port.
3. The indicator light will show charging status (e.g., red for charging, green for fully charged).



Image illustrating the Type-C charging capability of the Retevis RT40, highlighting its 2000mAh battery for extended use.

OPERATING INSTRUCTIONS

1. Power On/Off and Volume Adjustment

- To power on, rotate the Power ON/OFF / Volume Knob clockwise until you hear a click.
- To power off, rotate the knob counter-clockwise until you hear a click.
- To adjust volume, rotate the same knob clockwise to increase and counter-clockwise to decrease.

2. Channel Selection

- Rotate the Channel Knob to select your desired channel (1-48). Ensure all radios in your group are on the same channel for communication.

3. Transmitting and Receiving

- To transmit, press and hold the PTT (Push-to-Talk) button on the side of the radio. Speak clearly into the microphone.
- Release the PTT button to stop transmitting and to receive messages.
- The indicator light will typically be red during transmission and green during reception.

4. VOX Function (Voice Operated Exchange)

The RT40 supports VOX, allowing hands-free operation. When VOX is enabled, the radio transmits automatically when it detects your voice, without needing to press the PTT button.



Image demonstrating the VOX function of the Retevis RT40, which allows hands-free communication without pressing the PTT button.

- VOX sensitivity can usually be adjusted (0-9 levels) via programming software. Refer to the programming guide for details.

5. Call Types

The RT40 supports various call types for flexible team communication:

TEAM COMMUNICATION IS MORE CONVENIENT.



Image illustrating different communication modes: Single Call (one-to-one), Group Call (one-to-many within a defined group), and All Call (broadcast to all radios).

- **Single Call:** Direct communication between two specific radios.
- **Group Call:** Communication with a predefined group of radios.
- **All Call:** Broadcast message to all radios on the current channel.

KEY FEATURES

- **Dual Mode (Analog & DMR Digital):** The RT40 supports both traditional analog and modern Digital Mobile Radio (DMR) modes. This allows for compatibility with existing analog radios while also offering the benefits of digital communication, such as clearer audio and more efficient spectrum usage.



Image showing the RT40's capability for both Digital and Analog modes, highlighting its strong compatibility and channel organization into zones.

- **Superior Audio Performance:** Equipped with AMBE and digital vocoder technology, the RT40 effectively eliminates background noise, ensuring clear transmission and reception even in noisy environments.

RETEVIS

CLEAR SOUND QUALITY

IN THE DIGITAL MODE, THE AMBE ++ DIGITAL VOICE CODE IS USED
AND THE SOUND QUALITY IS LARGER AND CLEARER



Image emphasizing the clear sound quality of the Retevis RT40, achieved through AMBE and digital vocoder technology.

- **Extended Battery Life:** The 2000 mAh Li-ion battery provides a long working time, with approximately 22 hours of standby time and 8 hours of continuous operation, reducing the frequency of charging.
- **Secure Communication:** The digital mode offers enhanced privacy and security for your conversations.



Image depicting a shield icon over the RT40, symbolizing its secure communication capabilities.

- **Compact and Portable:** Designed for ease of use and portability, the RT40 is lightweight and comes with a hand strap for convenient carrying, even in busy work environments.

SPECIFICATIONS

Feature	Detail
Model Number	RT40
Brand	Retevis
Color	Black
Number of Channels	48 (16 Analog, 32 Digital)
Frequency Range	446 MHz (PMR446)
Max. Talk Range	2 Kilometers (environment dependent)

Feature	Detail
Battery Type	2000 mAh Lithium-Ion
Voltage	3.7 Volts
Product Dimensions	21.5 x 14.5 x 4.4 cm
Weight	340 Grams
Water Resistance	Not waterproof
Special Features	DMR and Analog mode, License-free PMR446, 48 Channels (3 Zones), VOX

Note: Maximum talk range is an estimate and can vary significantly based on terrain, obstacles, and electromagnetic interference.

MAINTENANCE

- **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 fully discharging the battery frequently. Store the battery in a cool, dry place when not in use for extended periods.
- **Storage:** Store the radio in a dry, dust-free environment away from direct sunlight and extreme temperatures.
- **Antenna:** Do not bend or modify the antenna, as this can affect radio performance.







TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Battery not installed correctly or discharged.	Ensure battery is securely installed. Charge the battery.
Cannot transmit or receive	Wrong channel selected; out of range; low battery.	Verify all radios are on the same channel. Move closer to other radios. Charge battery.
Poor audio quality	Interference; low signal; microphone/speaker obstruction.	Move to an area with less interference. Ensure microphone and speaker are clear.
VOX not working	VOX disabled or sensitivity too low.	Enable VOX via programming software. Adjust VOX sensitivity.

WARRANTY AND SUPPORT

Retevis products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the official Retevis website or contact your local dealer. Keep your purchase receipt as proof of purchase.

For further assistance, you may visit the [Retevis Brand Store on Amazon](#).

 <p>RETEVIS RT33 Two-Way Radio</p>	<p>Retevis RT33 Walkie Talkie Operating Instructions</p> <p>Comprehensive operating instructions for the Retevis RT33 Walkie Talkie, covering setup, features, specifications, and safety guidelines.</p>
 <p>RETEVIS RB27B Two-Way Radio</p>	<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>
 <p>RETEVIS RB66 Two-Way Radio</p>	<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>
 <p>RETEVIS RT45 Two-Way Radio</p>	<p>Retevis RT45 Two-Way Radio User Manual and Safety Information</p> <p>Comprehensive user manual for the Retevis RT45 two-way radio, covering features, operation, safety guidelines, and technical specifications for both US and Canadian markets.</p>
 <p>RETEVIS RB645 Two-Way Radio</p>	<p>Retevis RB645 User Manual - Features and Operation Guide</p> <p>Comprehensive user manual for the Retevis RB645 two-way radio, covering setup, functions, safety precautions, and technical specifications for reliable communication. Includes PMR446 details.</p>
 <p>RETEVIS RT628 Kids Walkie Talkie</p>	<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>