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Retevis RT24

Retevis RT24 Walkie Talkie User Manual

Model: RT24 | Brand: Retevis

Introduction

Thank you for choosing the Retevis RT24 Walkie Talkie. This manual provides essential information for the safe and efficient operation of your device. The RT24 is a professional PMR446 license-free two-way radio, designed for clear and reliable communication. This package includes a convenient 6-way charger, allowing you to charge multiple units simultaneously.
Please read this manual thoroughly before using the walkie talkie and retain it for future reference.

Package Contents

Verify that all items listed below are included in your package:

- 6 x Retevis RT24 Walkie Talkies
- 6 x 1100 mAh Li-ion Batteries
- 6 x Belt Clips
- 6 x Hand Straps
- 1 x 6-Way Charger Base
- 1 x EU Power Adapter
- 1 x User Manual (this document)



Image: Complete package contents for the Retevis RT24 walkie talkie set.

Product Overview

Familiarize yourself with the main components of your Retevis RT24 walkie talkie:



Image: Labeled diagram of the Retevis RT24 walkie talkie components.

1. **Antenna:** For transmitting and receiving signals.
2. **Channel Selection Knob:** Rotate to select desired communication channel (1-16).
3. **Power/Volume Knob:** Rotate clockwise to power on and increase volume; counter-clockwise to decrease volume and power off.
4. **Indicator Light:** Shows status (e.g., red for transmitting, green for receiving, flashing for low battery).
5. **PTT (Push-to-Talk) Button:** Press and hold to transmit your voice; release to listen.
6. **Earpiece/Mic Jack:** Connect external audio accessories.
7. **Belt Clip:** Attach the walkie talkie to your belt or pocket.
8. **Battery Pack:** Removable rechargeable Li-ion battery.

Setup

1. Battery Installation

To install the battery:

1. Align the battery pack with the grooves on the back of the walkie talkie.
2. Slide the battery pack upwards until it clicks into place.
3. To remove, push the battery release latch (if present) and slide the battery downwards.

2. Charging the Batteries

The RT24 comes with a 6-way charger for convenient multi-unit charging. Ensure batteries are fully charged before first use.



Image: Retevis RT24 walkie talkies and batteries in the 6-way charger.

- Connect the EU power adapter to the 6-way charger base and plug it into a power outlet.
- Place the walkie talkie (with battery installed) or just the battery into an available charging slot.
- The indicator light on the charger will show the charging status:
    - **Red:** Charging in progress.
    - **Green:** Charging complete.
- A full charge typically takes approximately 3-4 hours.



Image: Details of the 6-way charger, including power specifications and charging indicators.

Operating Instructions

1. Power On/Off and Volume Adjustment

- To power on, rotate the Power/Volume knob clockwise until you hear a click and a tone.
- Continue rotating clockwise to increase the volume.
- To decrease volume, rotate counter-clockwise.
- To power off, rotate the knob counter-clockwise until you hear a click.

2. Channel Selection

- Rotate the Channel Selection knob to choose one of the 16 available channels.
- For communication, all walkie talkies in your group must be set to the same channel.
- The RT24 walkie talkies are pre-programmed with the same frequencies from the factory, allowing immediate communication on matching channels.

3. Transmitting and Receiving (PTT)

- To transmit, press and hold the PTT (Push-to-Talk) button located on the side of the walkie talkie. Speak clearly into the microphone.
- Release the PTT button to stop transmitting and listen for a response.
- The indicator light will glow red when transmitting and green when receiving a signal.

4. Privacy Codes (CTCSS/DCS)

The RT24 supports 50 CTCSS (Continuous Tone-Coded Squelch System) and 105 DCS (Digitally Coded Squelch) codes. These codes help filter out unwanted conversations on the same channel, ensuring more private communication. To use privacy codes, all radios in your group must be set to the same channel and the same CTCSS/DCS code.



Image: Illustration of CTCSS/DCS privacy codes for enhanced communication security.

5. VOX Function (Voice Operated Exchange)

The VOX function allows you to transmit without pressing the PTT button. When enabled, the radio will automatically transmit when it detects your voice. This feature is particularly useful when using an earpiece or when hands-free operation is required. Consult the full programming software (if available) for detailed VOX sensitivity settings.



Image: Depiction of the VOX function for hands-free walkie talkie operation.

Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the radio's surface. Do not use harsh chemicals or solvents.
- **Battery Care:** To prolong battery life, avoid overcharging and fully discharging the battery frequently. Store batteries in a cool, dry place when not in use.
- **Storage:** When storing the walkie talkie for extended periods, remove the battery.
- **Water Resistance:** The RT24 is water-repellent. Avoid submerging it in water or exposing it to heavy rain for prolonged periods.

Troubleshooting

Problem	Possible Cause	Solution
No power	Battery not installed correctly or discharged.	Ensure battery is properly installed and fully charged.
Cannot communicate with other radios	Different channels or privacy codes. Out of range.	Verify all radios are on the same channel and CTCSS/DCS code. Move closer to other radios.
Poor audio quality	Low battery. Obstructions. Volume too low/high.	Charge battery. Move to an open area. Adjust volume. Check earpiece/mic connection if used.
Indicator light flashing red	Low battery warning.	Recharge the battery immediately.

If the problem persists after trying these solutions, please contact Retevis customer support.

Specifications

Feature	Detail
Model Number	RT24
Frequency Range	446.00625-446.19375MHz (PMR446)
Number of Channels	16
Privacy Codes	50 CTCSS / 105 DCS
Battery Type	1100 mAh Li-ion
Battery Life (Average)	10 hours
Voltage	3.7 Volts
Maximum Talk Range	3 Kilometers (environment dependent)
Water Resistance Level	Water Repellent
Product Dimensions (D x W x H)	20.5 x 31.8 x 15.8 cm (charger base)
Product Weight	225 grams (per walkie talkie)
Operating Temperature Range	-20 to 50°C
Charger Input	5V / 4A
Charger Output	4.2V
Charging Current (per slot)	500 mA

Warranty and Support

Retevis offers a **2-year warranty** for the radio body and a **1-year warranty** for accessories. Additionally, there is a 30-day return policy without reason.
Beyond the warranty period, maintenance services are still available, with applicable costs to be covered by the buyer.
For any inquiries or support, please contact Retevis customer service via Amazon. Responses are typically provided within 12 hours.
For more information, visit the official Retevis store on Amazon:Retevis Amazon Store

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