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Retevis RT24 Plus

Retevis RT24 Plus Professional PMR446 Walkie-Talkie Instruction Manual

1. Introduction

Thank you for choosing the Retevis RT24 Plus Professional PMR446 Walkie-Talkie. This device is designed for reliable and clear communication, featuring 16 channels, CTCSS/DCS sub-codes, and a robust design. This manual provides essential information for the safe and efficient operation of your walkie-talkie. Please read it thoroughly before use.

2. Product Overview

Familiarize yourself with the components of your Retevis RT24 Plus walkie-talkie.



Figure 1: Front and side views of the Retevis RT24 Plus Walkie-Talkie with labeled components.



Figure 2: Detailed views of the walkie-talkie's key features.

Package Contents:

- 6 x Retevis RT24 Plus PMR446 Walkie-Talkies
- 6 x Lithium-ion Batteries
- 6 x USB Charging Bases
- 6 x Belt Clips
- 6 x Earpieces
- 3 x User Manuals



Figure 3: Contents included in the product package.

3. Setup

3.1 Battery Installation

1. Ensure the walkie-talkie is powered off.
2. Align the battery with the grooves on the back of the walkie-talkie.
3. Slide the battery upwards until it clicks into place.
4. To remove, press the battery release latch and slide the battery downwards.



Figure 4: Battery installation and removal.

3.2 Charging the Battery

The RT24 Plus offers two charging methods:

- **Direct Charging:** Place the walkie-talkie directly into the USB charging base.
- **Separate Battery Charging:** Remove the battery and place it into the USB charging base.

Connect the USB charging base to a power source (e.g., wall charger, power bank, PC, car charger). The LED indicator on the charger will show charging status.



Figure 5: Charging methods for the walkie-talkie and battery.

3.3 Attaching the Belt Clip and Earpiece

- **Belt Clip:** Align the belt clip with the screw holes on the back of the walkie-talkie and secure it with the provided screws.
- **Earpiece:** Insert the 2-pin Kenwood jack of the earpiece into the earpiece/microphone jack on the side of the walkie-talkie. Ensure it is fully inserted for proper function.



Figure 6: Earpiece connection and dimensions.

4. Operating Instructions

4.1 Power On/Off and Volume Control

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

4.2 Channel Selection

Rotate the Channel Selector knob to choose one of the 16 available channels. Ensure all walkie-talkies intended for communication are set to the same channel.

4.3 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 (or earpiece microphone). Release the PTT button to stop transmitting.
- **To Receive:** The walkie-talkie will automatically receive transmissions when not transmitting. The LED indicator may light up when receiving.

4.4 CTCSS/DCS Sub-codes

The RT24 Plus utilizes 50 CTCSS (Continuous Tone-Coded Squelch System) and 105 DCS (Digitally Coded Squelch) sub-codes. These codes help filter out unwanted signals from other users on the same channel, ensuring clearer communication. Your walkie-talkies are pre-programmed with these codes for optimal performance.

4.5 Voice Prompt and Low Battery Alarm

- **Voice Prompt:** The device provides voice prompts for channel changes and other functions.
- **Low Battery Alarm:** When the battery level is low, the walkie-talkie will emit an audible alarm, indicating that it needs to be recharged.

5. Maintenance

5.1 General Care

- Clean the walkie-talkie with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Keep the device dry. Exposure to moisture can damage internal components.
- Avoid extreme temperatures. Operate and store the walkie-talkie within the specified temperature range (-20°C to 50°C).

5.2 Battery Care

- Charge the battery fully before initial use.
- Do not overcharge or deep discharge the battery.
- If storing the walkie-talkie for an extended period, remove the battery and store it in a cool, dry place.

6. Troubleshooting

Problem	Possible Cause	Solution
No power	Battery is dead or not installed correctly.	Charge the battery or re-install it correctly.

Problem	Possible Cause	Solution
Cannot communicate with other radios	Different channels or CTCSS/DCS codes. Out of range.	Ensure all radios are on the same channel and have matching CTCSS/DCS settings. Move closer to the other radio.
Poor audio quality	Low battery. Obstructions. Earpiece not fully inserted.	Recharge battery. Move to an open area. Re-insert earpiece firmly.
Short battery life	Battery old or not fully charged. Frequent transmissions.	Replace battery if old. Ensure full charge. Reduce transmission time.

7. Specifications

- **Brand:** Retevis
- **Model Number:** EUA9123AX3
- **Color:** Black
- **Number of Channels:** 16
- **Frequency Range:** 446.00625 MHz to 446.09375 MHz (PMR446)
- **Maximum Range:** 3 Kilometers (approx. 1.86 miles)
- **Voltage:** 3.7 Volts
- **Water Resistance Level:** Moisture Resistant
- **Product Dimensions (D x W x H):** 6.5 x 28.8 x 20.8 cm (2.56 x 11.34 x 8.19 inches)
- **Item Weight:** 830 Grams (approx. 1.83 lbs)
- **Battery Type:** 6 Lithium-ion batteries (included)
- **Average Battery Life:** 10 hours (typical use)
- **Operating Temperature Range:** -20°C to 50°C (-4°F to 122°F)
- **Connectivity Protocol:** PMR446
- **UPC:** 714559978733
- **Country of Origin:** China



Figure 7: Battery life and capacity details.

8. Warranty and Support

8.1 Warranty Information

Retevis offers a 2-year warranty for the radio body and a 1-year warranty for accessories. We also provide a 30-day return policy without reason. Beyond the warranty period, we continue to offer maintenance services, with buyers responsible for associated costs. For any warranty claims or service requests, please contact us on Amazon, and we will respond within 12 hours.

8.2 Customer Support

For further assistance, technical support, or inquiries, please visit the official Retevis store on Amazon or contact the seller directly:

- **Seller Name:** RetevisDirect
- **Seller Link:** RetevisDirect on Amazon
- **Brand Store:** Retevis Official Store

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