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› Retevis RT-5R Dual Band Two Way Radios User Manual

Retevis RT-5R

Retevis RT-5R Dual Band Two Way Radios User Manual

Model: RT-5R

Brand: Retevis

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your Retevis RT-5R Dual Band Two Way Radios. The RT-5R is designed for reliable communication across various environments, featuring dual-band capabilities, 128 channel storage, and a high-power output for extended range.

Key features include:

- Multi-channel dual band radio with 128 channel storage.
- High/Low TX power selectable for optimized communication.
- Voice companding and Time-out Timer (TOT) function.
- LCD display for clear information viewing.
- Channel name display and editing functions.
- Keypad lock function to prevent accidental changes.
- Emergency alarm and low battery alarm.
- Power saving function to extend battery life.
- Built-in high brightness LED for use as a flashlight.
- VOX function for hands-free operation.

2. WHAT'S IN THE BOX

Please verify that all items are present and in good condition upon opening the package:

- 2 x Retevis RT-5R 2-way radio
- 2 x Antenna
- 2 x Li-ion battery pack (1400mAh)
- 2 x Charger (charging base and adapter)
- 2 x Belt clip
- 2 x Sling (hand strap)
- 2 x User's manual



Image 2.1: All components included in the Retevis RT-5R package, including two radios, two antennas, two battery packs, two charging bases with adapters, two belt clips, two slings, and two user manuals.

3. PRODUCT OVERVIEW

Familiarize yourself with the various parts of the Retevis RT-5R radio for effective operation.



Image 3.1: Front and back view of the Retevis RT-5R radio, showing the display, keypad, PTT button, and belt clip attachment points.



SIZE:7.08/4.33/3.74 inches

Image 3.2: Close-up views of the Retevis RT-5R radio, highlighting the LCD screen, battery contacts, side buttons, and top knobs for power/volume and channel selection.

4. SETUP

4.1. Battery Installation and Charging

1. Align the battery pack with the grooves on the back of the radio.
2. Slide the battery pack upwards until it clicks into place.
3. To charge, place the radio with the installed battery into the charging base. Ensure the metal contacts on the battery align with the contacts on the charger.
4. Connect the charger adapter to a power outlet. The charging indicator light will typically show red during charging and green when fully charged.



Image 4.1: Two Retevis RT-5R radios shown in their respective charging cradles, indicating the charging setup.

4.2. Antenna Attachment

Screw the antenna clockwise into the connector on the top of the radio until it is finger-tight. Do not overtighten.

4.3. Belt Clip Attachment

Attach the belt clip to the designated slots on the back of the radio using the provided screws. This allows for convenient carrying.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off and Volume Adjustment

Rotate the power/volume knob (located on the top of the radio) clockwise to turn the radio on and increase volume. Rotate counter-clockwise to decrease volume and turn the radio off.

5.2. Channel Selection and Frequency Setting

The RT-5R supports 128 channels. Use the up/down arrow keys on the keypad or the channel knob (if available) to navigate through channels. The radio also supports direct frequency input and dual-band operation.



Image 5.1: The Retevis RT-5R display showing dual band frequencies, illustrating the dual watch capability to monitor two frequencies simultaneously.

5.3. Transmit/Receive (PTT Button)

To transmit, press and hold the Push-To-Talk (PTT) button on the side of the radio. Speak clearly into the microphone. Release the PTT button to receive.

5.4. VOX Function

The Voice Operated Exchange (VOX) function allows for hands-free transmission. When VOX is enabled, the radio will automatically transmit when it detects your voice. Refer to the menu settings for VOX activation and sensitivity adjustment.

5.5. Keypad Lock

To prevent accidental key presses, activate the keypad lock function through the radio's menu or a dedicated shortcut key (refer to the specific key mapping in the full manual).

5.6. Emergency Alarm

The emergency alarm function can be activated in critical situations. This feature typically emits a loud siren sound and/or transmits an alert signal. Consult the full manual for activation methods.

5.7. Flashlight Function

The built-in LED light on the top of the radio can be used as a flashlight. Activate it via a dedicated button or menu option.

5.8. High/Low TX Power Selection

You can select between high and low transmit power settings. High power provides greater range but consumes more battery. Low power conserves battery life and is suitable for shorter distances.

6. MAINTENANCE

6.1. Battery Care

- Charge the battery fully before first use.
- Avoid overcharging or completely draining the battery to prolong its lifespan.
- Store batteries in a cool, dry place when not in use.



Image 6.1: Illustration highlighting the 1400mAh battery capacity of the Retevis RT-5R, providing 8-12 hours of continuous use.

6.2. Cleaning

Clean the radio's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the radio is powered off and dry before use.

6.3. Storage

When storing the radio for extended periods, remove the battery pack. Store the radio and battery in a dry, temperature-controlled environment.

7. TROUBLESHOOTING

If you encounter issues with your Retevis RT-5R radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on	Low or dead battery; improperly installed battery	Charge the battery; ensure battery is correctly installed.
Cannot transmit or receive	Incorrect channel/frequency; out of range; antenna not attached	Verify channel/frequency settings; move closer to other radios; ensure antenna is securely attached.
Poor audio quality	Low signal strength; interference; volume too low/high	Adjust squelch level; move to a clearer area; adjust volume.
Keypad is unresponsive	Keypad lock is active	Deactivate keypad lock.

8. SPECIFICATIONS

Detailed technical specifications for the Retevis RT-5R Dual Band Two Way Radio:

Feature	Specification
Model Number	RT-5R (5687DFD69CFDD252)
Rated Voltage	7.4V DC ±10%
Battery Type	Li-ion battery
Battery Capacity	1400mAh
Item Weight	7.4 ounces (approx. 209 grams)
Product Dimensions	4.61 x 2.32 x 1.16 inches (approx. 11.7 x 5.9 x 2.9 cm)
Display Type	LCD
Number of Channels	128
Frequency Range	150-175MHz, 400-480MHz (Analog)
Water Resistance Level	Not Water Resistant



Image 8.1: Product label for the Retevis RT-5R, displaying model number, output power, voltage, frequency ranges, IC, and FCC ID.

9. WARRANTY AND SUPPORT

9.1. Warranty Information

Retevis provides a 2-year warranty for the radio body and a 1-year warranty for accessories. A 30-day no-reason return policy is also offered. For service beyond the warranty period, maintenance services are available, with buyers responsible for associated costs.

9.2. Customer Support

For any inquiries, technical assistance, or warranty claims, please contact Retevis customer support. You can typically reach support through the platform of purchase (e.g., Amazon) where responses are usually provided within 12 hours.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

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