

Retevis RT10

Retevis RT10 Digital Two-Way Radio User Manual

Model: RT10

1. PRODUCT OVERVIEW

The Retevis RT10 is a professional digital two-way radio designed for reliable and clear communication. It supports both Digital Mobile Radio (DMR) and analog modes, offering compatibility and flexibility across various communication systems. This radio features secure communication channels, group call capabilities, and a durable design suitable for diverse environments.



Figure 1: Retevis RT10 Digital Two-Way Radios with Charging Accessories.

Key Features:

- **Secure and Clear Communication:** Utilizes uncrowded communication channels for enhanced privacy and clarity.
- **DMR Digital and Analog Compatibility:** Supports both digital and analog modes, allowing integration with existing radio systems.
- **Group and All Call Functions:** Facilitates communication with specific groups or all users on a channel.
- **128 Channels in 8 Zones:** Provides extensive channel options for organized communication.
- **Dual Time Slot Function:** Enables two independent calls on the same channel, optimizing frequency usage.
- **Durable Construction:** Designed for robust use in demanding environments such as construction sites,

warehouses, and supermarkets.

- **Long Battery Life:** Equipped with a 1400mAh battery offering approximately 14 hours of standby time, enhanced by a power saver mode.
- **Portable Design:** Includes a belt clip and hand strap for easy carrying.



Figure 2: Retevis RT10 supporting both Analog and Digital communication modes.



Figure 3: Communication modes: All Call, Group Call, and Single Call.

2. SETUP AND INITIAL USE

2.1 What's in the Box

Upon unboxing your Retevis RT10 radio, verify that all components are present:

- 2x RT10 2 Way Radio
- 2x 1400mAh Li-ion Battery
- 2x USB Charger and Adapter
- 2x Back Clip and Lanyard
- User Manual



Figure 4: Contents of the Retevis RT10 package.

2.2 Battery Installation

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 remove, press the release latch (if present) and slide the battery downwards.

More secure and stable

— 902-928 frequency range



Figure 5: Battery installation and removal.

2.3 Charging the Battery

Before first use, fully charge the radio's battery. The RT10 can be charged by placing the radio with the battery installed into the charging cradle, or by charging the battery separately in the cradle.

1. Connect the USB adapter to a power source and then to the charging cradle.
2. Place the radio (with battery) or the battery alone into the charging slot.
3. The charging indicator light will show the charging status. Refer to the specific indicator behavior in your detailed user manual.

Charging the walkie-talkie directly or charging the battery separately.

- ✓ USB charging port
- ✓ Charging indicator
- ✓ Removable adapter



Figure 6: Charging the radio or battery separately.

3. OPERATING INSTRUCTIONS

3.1 Radio Controls

Familiarize yourself with the main controls of the Retevis RT10:

Easy to remove battery back cover

Waterproof splash sticker



Figure 7: Retevis RT10 Radio Controls and Dimensions.

- **Antenna:** For transmitting and receiving signals.
- **Power/Volume Knob:** Rotate to turn the radio on/off and adjust the volume.
- **Channel Switch:** Rotate to select from the available channels.
- **PTT Button (Push-to-Talk):** Press and hold to transmit, release to receive.
- **Side Keys:** Programmable keys for various functions (e.g., battery voltage announcement).
- **MIC Jack:** For connecting external audio accessories.
- **Belt Clip:** For attaching the radio to clothing or a belt.

3.2 Power On/Off and Volume Adjustment

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

3.3 Channel Selection

The RT10 features 128 channels organized into 8 zones. Use the Channel Switch knob to select the desired channel. The radio may announce the channel number.

3.4 Transmitting and Receiving

1. To transmit, press and hold the PTT button. Speak clearly into the microphone.
2. Release the PTT button to stop transmitting and return to receive mode.
3. Ensure you are on the same channel as the intended recipient.

3.5 Group Call and All Call

The RT10 supports advanced calling features:

- **Group Call:** Allows communication with a predefined group of radios.
- **All Call:** Broadcasts your message to all radios within range on the current channel.

3.6 Digital and Analog Modes

The radio can operate in both digital (DMR) and analog modes. This allows for compatibility with various radio systems. The dual time slot function in digital mode enables two separate conversations on a single frequency, enhancing efficiency.

4. MAINTENANCE AND CARE

4.1 Battery Care

- Always use the original Retevis charger and battery.
- Avoid overcharging or completely draining the battery to prolong its lifespan.
- Store the battery in a cool, dry place when not in use.
- The radio features a power saver mode to optimize battery life.

4.2 Cleaning

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

4.3 Water Resistance

The Retevis RT10 is rated as Water Resistant. While it can withstand splashes, it is not designed for submersion. Avoid exposing the radio to heavy rain or direct water jets.

5. TROUBLESHOOTING

If you encounter issues with your Retevis RT10 radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on	Battery is depleted or not properly installed.	Charge the battery or ensure it is correctly seated.

Problem	Possible Cause	Solution
Cannot transmit or receive	Incorrect channel selected, out of range, or antenna issue.	Verify channel selection, move closer to other radios, check antenna connection.
Poor audio quality	Low battery, interference, or radio too far apart.	Charge battery, move away from sources of interference, reduce distance between radios.
Charging indicator not working	Charger or adapter faulty, or poor connection.	Check all connections, try a different power outlet, or contact support.

6. SPECIFICATIONS

Feature	Detail
Model Number	RT10
Item Weight	1.34 pounds
Product Dimensions	4.29 x 8.39 x 12.28 inches
Batteries	2 Lithium Ion batteries required (included)
Battery Capacity	1400mAh
Number of Channels	128 (in 8 zones)
Special Features	DMR radio, Group call, Heavy duty, High power long range
Talking Range Maximum	5 Mile
Voltage	3.7 Volts (DC)
Water Resistance Level	Water Resistant
Color	Grey

7. WARRANTY AND SUPPORT

7.1 Warranty Information

Retevis provides a 2-year warranty for the radio body and a 1-year warranty for accessories. Additionally, there is a 30-day no-reason return policy. Beyond the warranty period, maintenance services are still offered, with buyers responsible for associated costs.

7.2 Customer Support

For any inquiries, technical assistance, or warranty claims, please contact Retevis customer support through Amazon. Responses are typically 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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question