

Retevis RT68D

Retevis RT68D Digital Walkie Talkies User Manual

Model: RT68D

INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Retevis RT68D Digital Walkie Talkies. Please read this manual thoroughly before using the device to ensure proper function and to prevent damage.

PRODUCT OVERVIEW

The Retevis RT68D is a dual-mode walkie talkie supporting both digital and analog communication. It features clear audio, extended battery life, enhanced security, and a durable build suitable for various environments.

Package Contents

The standard package includes the following items:

- RT68D Walkie talkie (x2)
- 2000mAh Battery (x2)
- Adapter & Desktop charging base (x2)
- User Manual (x1)
- Handstrap (x2)
- Belt clip (x2)
- Data cable (x1)

Package Includes



Image: Contents included in the Retevis RT68D walkie talkie package, showing two walkie talkies, batteries, charging bases, adapters, handstraps, belt clips, a data cable, and the user manual.

Key Features

- **Dual Mode Operation:** Supports both Digital Mobile Radio (DMR) and Analog modes for flexible communication and compatibility.
- **Clear Digital Audio:** Utilizes DSP technology and AMBE++ for crystal clear sound, even in noisy environments.
- **Extended Battery Life:** Equipped with a 2000mAh battery, providing approximately 20 hours of work time (5-5-90 cycle) and 73 hours of standby time.
- **Enhanced Security:** Features AES256 encryption for secure communication, reducing interruptions and ensuring privacy.
- **Durable Construction:** Built with ABS material for a robust and impact-resistant shell, designed for reliability in demanding conditions.
- **Flexible Charging:** Supports multiple charging methods including desktop base and Type-C USB.
- **Wide Compatibility:** Compatible with Motorola radios and DMR repeaters.

DMR Dual Modes

Flexible communication options



Image: Diagram illustrating the DMR Dual Modes feature of the RT68D, showing seamless switching between Digital (Zone 1) and Analog (Zone 2) communication for flexible options.

Clear Digital Sound

Communication that's easier to follow

✓ **DSP tech**

✓ **AMBE++**

Maintain an intelligible
voice in busy environments

Image: A person using the Retevis RT68D walkie talkie, highlighting the Clear Digital Sound feature with DSP tech and AMBE++ for intelligible voice in busy environments.

2000mAh Extended Battery Life

Support for longer use



2000mAh
Battery



20h Work time (5-5-90)
5% transmit, 5% receive, 90% standby



73h
Standby



Power-
saving mode



Type-C
charging



Image: Comparison showing the upgrade from a 1200mAh battery in older analog radios to a 2000mAh battery in the RT68D DMR radio, emphasizing extended battery life, 20h work time, 73h standby, power-saving mode, and Type-C charging.

Enhanced Security

Add a layer of protection for your communication



Image: Graphic depicting the Enhanced Security feature of the Retevis RT68D, highlighting support for ARC4 & AES256 encryption and compatibility with Motorola radios.

Durable Build

Impact-resistant, reliable in demanding conditions



Image: Illustration of the Durable Build of the Retevis RT68D, showing its impact-resistant ABS & PC casing, reliable in demanding conditions.

Size & Weight



Weight:
158g/0.35lb



Size:
110×59×31mm/4.33×2.32×1.22"(antenna excluded)



Image: Specifications for the Retevis RT68D's size and weight, indicating a weight of 158g (0.35lb) and dimensions of 110x59x31mm (4.33x2.32x1.22 inches) excluding the antenna.

SETUP

Battery Installation

1. Ensure the walkie talkie is powered off.
2. Align the battery with the battery compartment on the back of the radio.
3. Gently push the battery into place until it clicks securely.
4. To remove, slide the battery release latch and pull the battery away from the radio.

Initial Charging

Before first use, fully charge the battery. The RT68D supports multiple charging methods:

- **Desktop Charging Base:** Place the walkie talkie into the provided desktop charging base. Ensure the charging contacts align.

- **Type-C USB Charging:** Connect a Type-C USB cable to the port on the side of the walkie talkie and to a power source.

A full charge typically takes several hours. The indicator light on the charging base or radio will change color to indicate charging status (e.g., red for charging, green for fully charged).

Your browser does not support the video tag.

Video: Demonstrates various charging methods for the Retevis RT68D walkie talkie, including base charging and Type-C USB charging.

Your browser does not support the video tag.

Video: Shows the Retevis RT68D walkie talkies being charged using a 6-way charger, highlighting space-saving and simultaneous charging capabilities.

OPERATING INSTRUCTIONS

Power On/Off

To power on the walkie talkie, rotate the power/volume knob clockwise until you hear a click and the radio announces its status. To power off, rotate the knob counter-clockwise until it clicks off.

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Video: A detailed display of the Retevis RT68D DMR digital walkie talkie, including its physical features and basic power-on demonstration.

Channel Selection and Mode Switching

The RT68D supports 256 channels and can operate in both digital and analog modes. The specific method for switching between channels and modes is typically programmed via software. Consult the programming guide for detailed channel and mode configuration.



Image: Illustrates the digital two-way radio capabilities of the Retevis RT68D, emphasizing its advanced communication features.

Your browser does not support the video tag.

Video: Highlights the dual-mode functionality of the Retevis RT68D, supporting both digital and analog channels for versatile communication.

Transmitting and Receiving

1. To transmit, press and hold the Push-To-Talk (PTT) button on the side of the radio. Speak clearly into the microphone.
2. Release the PTT button to stop transmitting and listen for a response.
3. Ensure you are on the correct channel and within range of the other party.

Calling Options

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

Advanced Features

- **One-Key VOX:** Voice-activated transmission, allowing hands-free operation.
- **Channel Lock:** Prevents accidental channel changes.
- **Remote Control:** Certain functions can be controlled remotely (requires specific programming).
- **Dual Alarm Modes:** Includes Emergency Alarm and Lone Worker functions for safety.

MAINTENANCE

General Care

- Keep the radio dry. Avoid exposure to rain, moisture, or liquids.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the radio. Wipe with a damp cloth.
- Avoid extreme temperatures. Do not store the radio in hot or cold environments.
- Handle the radio carefully. Do not drop or subject it to strong impacts.

Battery Care

- Charge the battery only with the specified charger.
- Do not short-circuit the battery terminals.
- Dispose of used batteries according to local regulations.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Battery is low or not installed correctly.	Charge the battery or re-install it securely.
Cannot transmit or receive	Incorrect channel/mode, out of range, or PTT button issue.	Verify channel and mode settings. Move closer to other radios. Check PTT button functionality.
Poor audio quality	Weak signal, interference, or microphone/speaker obstruction.	Move to an area with better signal. Check for obstructions. Ensure digital mode is active for clearer audio.
Battery drains quickly	Frequent transmission, old battery, or power-saving mode is off.	Reduce transmission time. Replace old battery. Ensure power-saving mode is enabled.

SPECIFICATIONS

Feature	Detail
Brand	Retevis

Feature	Detail
Model Number	RT68D
Color	Black
Number of Channels	256
Frequency Range	UHF
Voltage	3.7 volts DC
Battery Capacity	2000mAh (Nonstandard Battery x2 included)
Product Dimensions (D x W x H)	1.65" x 2.36" x 2.45"
Water Resistance Level	Not Water Resistant
Special Features	Compatible with Motorola Radio and DMR Repeater, DMR & Analog Dual Mode, Emergency Alarm, AES256 Encryption

WARRANTY AND SUPPORT

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.

For any inquiries or support, please contact Retevis customer service on 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