Retevis RT668H

Retevis RT668H Professional Two-Way Radio User Manual

Model: RT668H

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Retevis RT668H Professional Two-Way Radio. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

2. SAFETY INFORMATION

Observe the following safety precautions to reduce the risk of fire, electric shock, or personal injury:

- Do not operate the radio in explosive atmospheres (e.g., flammable gases, dust particles, metallic powders).
- Do not replace or charge batteries in potentially explosive environments.
- Use only Retevis-approved batteries and chargers.
- Do not disassemble or modify the radio. Repairs should only be performed by qualified technicians.
- Avoid exposing the radio to direct sunlight for extended periods or to extreme temperatures.
- Keep the radio away from water and moisture. The device is water-repellent, but not fully waterproof.
- Maintain a safe distance from medical devices such as pacemakers.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all items listed below are present and in good condition:

Package Includes

01 RT668H Two way radio x20   02 Hand strap x20   03 Belt clip x20
04 USB Charging base x20   05 User manual x10

Image: Package contents for the Retevis RT668H radio. This includes the RT668H two-way radio, hand strap, belt clip, USB charging base, and user manual.

- Retevis RT668H Two-Way Radio
- Hand Strap
- Belt Clip
- USB Charging Base
- User Manual
- 1200mAh Lithium-ion Battery (pre-installed or separate)

4. PRODUCT OVERVIEW

The Retevis RT668H is a professional two-way radio designed for reliable communication. It features a robust ABS casing for durability and a hidden LED display for essential information.

Image: The Retevis RT668H two-way radio, showcasing its design and charging base.

4.1 Key Features

- **Hidden LED Display:** Provides clear visibility of channel and battery status.

- **Durable Construction:** Robust ABS material designed to withstand drops from 1 meter.

- **Key Lock Function:** Prevents accidental operation.

- **Clear Audio:** Equipped with a speaker and adjustable squelch (0-9 levels) for clear communication in noisy environments.

- **Long Battery Life:** 1200mAh Lithium-ion battery offers 10-15 hours of operation and Type-C charging.

- **VOX Hands-free:** Voice-activated transmission for convenient use.

- **License-Free Operation:** Compatible with PMR446 standards.

5. SETUP

5.1 Charging the Battery

Before initial use, fully charge the radio's battery. The RT668H uses a 1200mAh Lithium-ion battery and supports Type-C charging.

1. Insert the radio into the USB charging base.

2. Connect the USB charging base to a compatible power source using a Type-C cable.

3. The charging indicator light on the base will show the charging status. Refer to the radio's hidden LED display for battery level.

Image: The RT668H radio with its 1200mAh Li-ion battery and Type-C charging capability, indicating 15 hours of work time and 30 hours standby.

5.2 Attaching Accessories

Attach the hand strap and belt clip as needed for convenient carrying.

- **Hand Strap:** Thread the hand strap through the designated loop on the radio.
- **Belt Clip:** Align the belt clip with the screw holes on the back of the radio and secure it with the provided screws.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off and Volume Adjustment

1. **Power On:** Rotate the Power/Volume knob clockwise until you hear a click. The radio will power on.

2. **Volume Adjustment:** Continue rotating the Power/Volume knob to adjust the listening volume.

3. **Power Off:** Rotate the Power/Volume knob counter-clockwise until you hear a click. The radio will power off.

6.2 Channel Selection

The RT668H supports 16 channels. To select a channel:

1. Rotate the Channel Selector knob to choose the desired channel (1-16).

2. The hidden LED display will show the selected channel number.

Image: The Active View Display of the RT668H, clearly showing channel and battery information.

6.3 Transmitting and Receiving

1. **Receiving:** When the radio is on and on an active channel, it will automatically receive incoming transmissions.

2. **Transmitting:** 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 stop transmitting and return to receive mode.

Image: The RT668H radio demonstrating clear sound quality with adjustable squelch levels (0-9).

6.4 VOX Function (Hands-free)

The VOX (Voice Operated Exchange) function allows you to transmit without pressing the PTT button. This is useful for hands-free operation.

Image: Illustration of the VOX hands-free function, allowing direct talk without pressing the PTT key.

To activate or adjust VOX, refer to the detailed programming instructions or consult the full user manual if available. The radio supports various VOX sensitivity levels.

6.5 Key Lock Function

The key lock feature prevents accidental button presses, ensuring uninterrupted communication.

Key Lock

Connect with team members constantly

Image: The Key Lock feature, designed to prevent accidental operations and maintain connection with team members.

To activate or deactivate the key lock, typically press and hold a designated button (often the 'Menu' or a programmable side button) for a few seconds. Consult the full user manual for specific button assignments.

6.6 Squelch Function

Squelch filters out weak signals and background noise, providing clearer audio. The RT668H features 0-9 squelch levels.

- **Level 0:** Minimum squelch, allows all signals, including noise.
- **Level 9:** Maximum squelch, only strong signals are received.

Adjust the squelch level to balance between receiving weak signals and minimizing background noise. This setting is usually programmable via software or a combination of button presses.

7. MAINTENANCE

7.1 Cleaning

- Clean the radio's surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

- Ensure the charging contacts are clean and free of debris.

7.2 Battery Care

- Avoid overcharging or completely discharging the battery.

- Store the battery in a cool, dry place when not in use for extended periods.

- If the battery shows signs of damage or leakage, discontinue use immediately and dispose of it properly.

7.3 Storage

- Store the radio in a dry, dust-free environment.

- Remove the battery if storing the radio for more than a month.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on	Battery is depleted or not properly installed.	Charge the battery. Ensure the battery is correctly seated.
Cannot transmit or receive	Incorrect channel selected. Key lock is active. Out of range.	Verify channel. Deactivate key lock. Move closer to other radios.
Poor audio quality or excessive noise	Squelch level too low. Interference.	Increase squelch level. Move away from sources of interference.
Battery life is short	Battery is old or not fully charged.	Fully charge the battery. Consider replacing an aging battery.
Hidden LED display not visible	Radio is off. Display is temporarily inactive.	Ensure radio is on. Press any button to activate the display.

9. SPECIFICATIONS

Feature	Detail
Brand	Retevis
Model Number	RT668H
Color	Black
Number of Channels	16
Frequency Range	446.00625-446.19375 MHz (PMR446)
Maximum Range	3 Kilometers (environment dependent)
Battery Type	1200mAh Lithium-ion
Voltage	3.7 Volts

Feature	Detail
Charging Port	Type-C
Special Features	Low battery alert, Power saving, VOX, Hidden LED display, Key lock
Water Resistance	Water repellent
Product Dimensions	3.3D x 5.5W x 16.5H centimeters
Compatible Devices	PMR446 two-way radios

10. WARRANTY AND SUPPORT

Retevis provides the following warranty for the RT668H two-way radio:
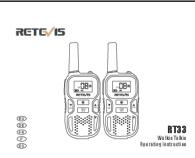
- **Radio Body:** 2-year warranty from the date of purchase.
- **Accessories:** 1-year warranty from the date of purchase.
- **Returns:** 30-day no-reason return policy.

Beyond the warranty period, maintenance services are available. Buyers are responsible for any associated costs.

For any inquiries, technical support, or warranty claims, please contact Retevis customer service via Amazon. We aim to respond within 12 hours.

Related Documents - RT668H

[Retevis RT22 Walkie Talkie FAQ and Features](#)
Frequently asked questions and key features of the Retevis RT22 walkie talkie, covering licensing, compatibility, frequency, range, and special functions like VOX and key lock.

[Retevis RT33 Walkie Talkie Operating Instructions](#)
Comprehensive operating instructions for the Retevis RT33 Walkie Talkie, covering setup, features, specifications, and safety guidelines.

	Retevis RT68 Walkie Talkie FAQ: Licensing, Range, Ruggedness & Compatibility Get answers to common questions about the Retevis RT68 FRS walkie talkie, covering licensing, frequency, range, durability, and compatibility with other FRS radios.
	Retevis RT-628 Walkie-Talkie Radio for Kids - Features and Specifications Discover the Retevis RT-628, a user-friendly walkie-talkie radio designed for children. This brochure details its features, specifications, standard and optional accessories, and technical details.
	Retevis RB66 Walkie-Talkie FAQ and Usage Guide Frequently asked questions and usage information for the Retevis RB66 walkie-talkie, covering licensing, compatibility, frequency changes, and charging.
	Retevis RB67 Two-Way Radio User Manual: Features, Operation, and Safety Comprehensive user manual for the Retevis RB67 two-way radio. Learn about its features like 22 channels, CTCSS/DCS, VOX, NOAA weather, and essential safety guidelines for optimal performance and RF exposure control.