

Retevis RT68H

Retevis RT68H Two-Way Radio User Manual

Brand: Retevis | Model: RT68H

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Retevis RT68H Two-Way Radio. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage. The Retevis RT68H is a rugged, intuitive two-way radio designed for reliable communication in various environments.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 2 x Retevis RT68H Two-Way Radios
- 2 x 1200mAh Li-ion Batteries
- 2 x USB Charging Bases & Adapters
- 2 x Belt Clips & Strings
- 1 x User Manual

Package Includes



Figure 2.1: Package contents of the Retevis RT68H Two-Way Radio.

The image above displays the complete set of items you should find in your Retevis RT68H product package.

3. PRODUCT OVERVIEW

The Retevis RT68H features a compact and rugged design with an intuitive interface. Key components include the antenna, channel/volume knobs, Push-to-Talk (PTT) button, side keys, speaker, microphone, and a hidden LED display.



Figure 3.1: Front view of two Retevis RT68H radios on charging bases.

This image shows two Retevis RT68H radios, highlighting their compact form factor and the included charging bases.

Video 3.1: An introductory overview of the Retevis RT68H Walkie Talkie, showcasing its design and basic features.

The video provides a brief introduction to the Retevis RT68H, demonstrating its physical characteristics and overall design.

4. SETUP

4.1 Battery Installation

To install the 1200mAh Li-ion battery:

1. Ensure the radio is powered off.

2. Align the battery with the compartment on the back of the radio.
3. Gently push the battery into place until it clicks securely.



Figure 4.1: Illustration of the 1200mAh Li-ion battery and its installation.

This image illustrates the process of installing the battery into the radio, highlighting the battery's capacity.

4.2 Attaching the Belt Clip and Lanyard

Attach the belt clip to the designated slot on the back of the radio for convenient carrying. The included lanyard can be attached to the top loop for added security.

VOX Hands-free

Talk directly without pressing the PTT key



Figure 4.2: The radio with an attached belt clip, shown in use for hands-free communication.

The image shows the radio with its belt clip, demonstrating how it can be worn for hands-free use.

4.3 Charging the Radio

The RT68H offers versatile charging options:

- **Charging Base:** Place the radio in the provided USB charging base. The indicator light on the base will show charging status.
- **Direct USB-C:** Connect a USB-C cable directly to the port on the radio. This allows charging via a power bank, computer, or vehicle USB port.

Type-C Charging

Use the power bank or computer to prolong service life



Adapter



Power bank



PC



Vehicle



Figure 4.3: Charging options for the Retevis RT68H, including USB-C direct charging and the charging base.

This image displays both the USB-C direct charging method and the use of the charging base for the radio.

5. BASIC OPERATION

5.1 Power On/Off and Volume Control

To power on the radio, rotate the top-left knob clockwise. Continue rotating to increase the volume. Rotate counter-clockwise to decrease volume and power off.

Video 5.1: A detailed overview of the Retevis RT68H, including power on/off and volume adjustment.

This video demonstrates the power and volume controls, along with other detailed features of the RT68H.

5.2 Channel Selection

The RT68H supports 16 channels. To select a channel, rotate the top-right knob. The hidden LED display will show the

current channel number.



Figure 5.1: The hidden LED display showing channel and battery information.

The image highlights the hidden LED display, which provides clear channel and battery status.

Video 5.2: A short demonstration of the visual display, making communication easier by showing channel and battery status.

This video demonstrates the visual display, which aids in easier communication by showing essential information.

5.3 Push-to-Talk (PTT)

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

5.4 Key Lock Function

The key lock function prevents accidental channel changes. To enable/disable the key lock, short press the designated side key. A 'bi-bi' sound indicates the lock status change.

Key Lock

Shortly press to lock the current channel for constant communication



Figure 5.2: Activating the key lock feature by pressing the side button.

This image shows how to engage the key lock feature on the radio.

Video 5.3: Demonstration of the keyboard lock feature to prevent accidental channel changes.

The video demonstrates how to use the keyboard lock to prevent unintended channel adjustments.

5.5 VOX Hands-Free Operation

The Voice Activated Transmission (VOX) function allows for hands-free communication without pressing the PTT button. When VOX is enabled, the radio transmits automatically when it detects your voice.

VOX Hands-free

Talk directly without pressing the PTT key



Figure 5.3: Hands-free VOX operation, ideal for activities where hands are occupied.

This image illustrates the convenience of VOX hands-free operation, suitable for various activities.

5.6 Squelch Function

The 0-9 squelch function filters out background noise, ensuring clear sound quality. Adjust the squelch level to minimize unwanted static or interference.

Clear Sound Quality

The loud speaker and squelch function communicate clearly



Figure 5.4: The radio's powerful speaker and squelch function for clear audio.

The image highlights the radio's speaker and its capability for clear sound, supported by the squelch function.

6. ADVANCED FEATURES

6.1 Hidden LED Display

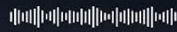
The hidden LED display provides channel and battery information without requiring voice broadcast, making it convenient for discreet use or in noisy environments. The backlight ensures visibility in all lighting conditions.

6.2 Rugged and Durable Design

Constructed from sturdy ABS materials, the RT68H is designed to be shockproof, drop-proof, and splash-proof, making it suitable for demanding environments.

Solid and Durable

ABS material has a strong capability of wear-resistance and durability



ABS material



2m in height



Figure 6.1: The durable construction of the RT68H, designed to withstand impacts.

This image visually represents the robust and durable construction of the RT68H radio.

Video 6.1: A short video highlighting the rugged and durable nature of the Retevis RT68H, suitable for business use.

The video emphasizes the rugged and durable build of the RT68H, making it suitable for various professional and outdoor applications.

7. MAINTENANCE

7.1 Battery Care

To maximize battery life:

- Fully charge the battery before first use.
- Avoid overcharging or completely draining the battery.
- Store the radio and battery in a cool, dry place when not in use.

7.2 Cleaning

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

8. TROUBLESHOOTING

If you encounter issues with your RT68H, refer to the following common problems and solutions:

- **No Power:** Ensure the battery is correctly installed and charged. Check the power/volume knob is rotated clockwise.
- **No Sound:** Adjust the volume knob. Ensure both radios are on the same channel and not in key lock mode.
- **Cannot Change Channel:** Check if the key lock function is enabled. Disable it by short pressing the side key.
- **Beeping Sound:** If the radio emits an unwanted beeping sound (e.g., 'Roger Beep'), it can be disabled via programming software.

HOW TO CANCEL THE BEEPING SOUND

Scan Mode	Carrier	☒ Battery Save
Voice Annunciation	English	☒ Roger
Side key 1(short)	Channel lock	
Side key 1(long)	Vox	

- 1、Connect to the computer via USB
- 2、Open the page above
- 3、Uncheck the “Roger” option to cancel the beeping sound

Figure 8.1: Instructions for disabling the beeping sound via programming software.

This image provides a visual guide on how to disable the beeping sound using the radio's programming software.

9. SPECIFICATIONS

Feature	Specification
Model Number	RT68H
Item Weight	1.43 pounds
Product Dimensions	1.37 x 1.96 x 4.56 inches
Batteries	2 Lithium Ion batteries required (included)
Display Type	LED (Hidden)
Color	Black
Number of Channels	16
Special Feature	Shatterproof active view LED display; VOX; Keypad lock
Frequency Range	FRS
Talking Range Maximum	5 Kilometer
Voltage	3.7 Volts
Water Resistance Level	Not Water Resistant

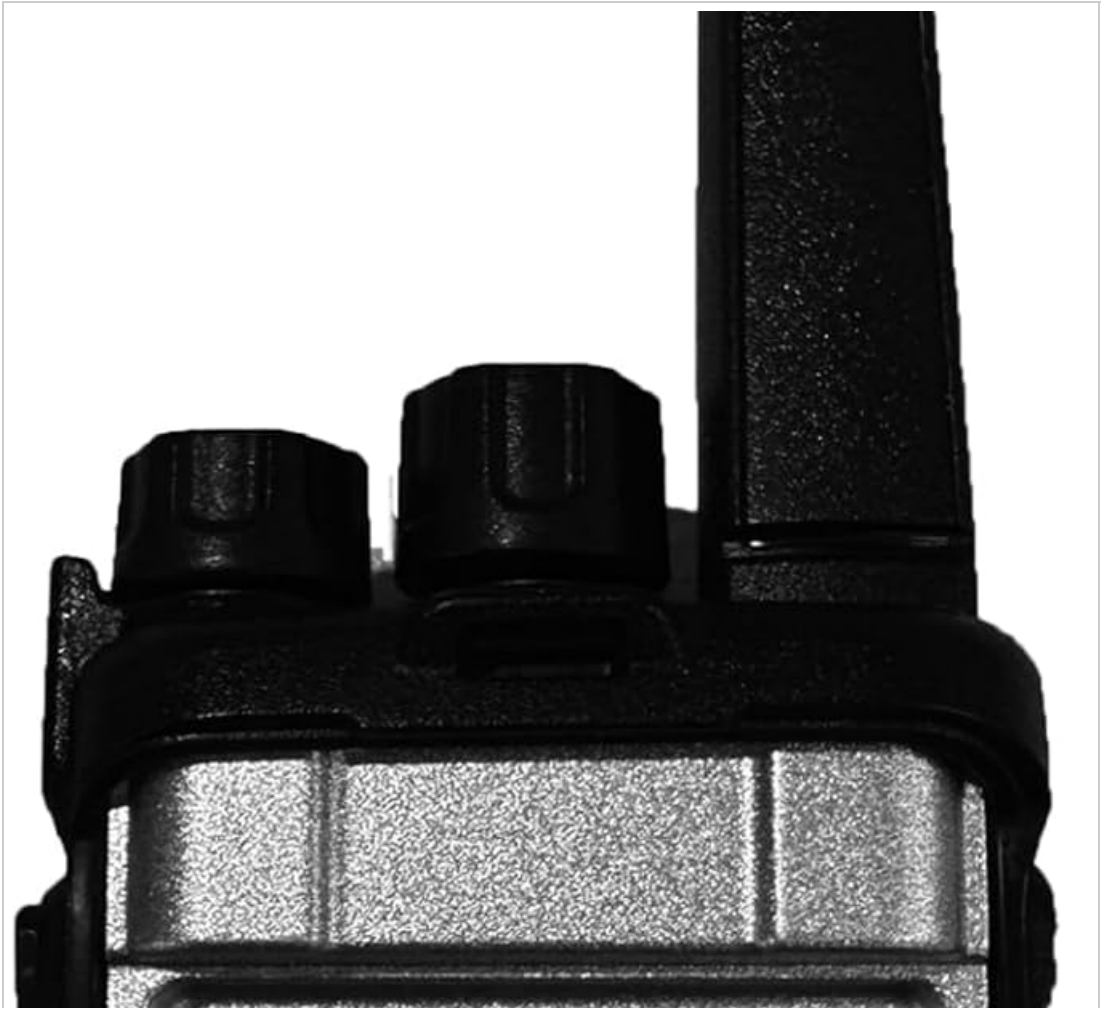




Figure 9.1: Back view of the radio displaying model and regulatory information.

This image shows the back of the radio, detailing its model number and compliance information.

10. WARRANTY AND SUPPORT

10.1 Warranty Information

Retevis provides a 3-year warranty for the radio body and a 1-year warranty for accessories. Additionally, there is a 30-day no-reason return policy. For service beyond the warranty period, maintenance services are still offered, with corresponding costs to be covered by the buyer.

10.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact Retevis customer support. You can typically reach support through the platform where the product was purchased, and 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.

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