

## Retevis RT68

# Retevis RT68 FRS Two-Way Radio Instruction Manual

Model: RT68

## INTRODUCTION

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Thank you for choosing the Retevis RT68 FRS Two-Way Radio. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before use and retain it for future reference.

## PACKAGE CONTENTS

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

- 4 x RT68 Walkie Talkie
- 4 x 1200mAh Li-ion Battery
- 4 x USB Charging Base & Adapter
- 4 x Handstrap & Belt Clip
- 1 x User Manual

# Wide Compatibility

Compatible with other devices for communication



Figure 1: Package Contents

## PRODUCT OVERVIEW

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Familiarize yourself with the components of your Retevis RT68 two-way radio.

# Long-lasting Battery Life Uninterrupted Communication



**1200** mAh  
Battery



**3-4** H  
Charging



**12** H  
Usage



**30** H  
Standby



Figure 2: Front View

# USB Convenient Charging

Multiple charging options at your disposal, ready to go anytime



Figure 3: Side View (PTT and Side Key)

# Durable and Drop-resistant

High-rigidity ABS & PC material, fearless of challenges



Figure 4: Top and Side View (Knobs and Connector)

# Portable

Compact design, space-saving, easily fits in a backpack or pocket



Figure 5: Back View (Belt Clip and Battery)

## SETUP

### 1. Battery Installation

1. Ensure the radio is powered off.
2. Locate the battery compartment on the back of the radio.
3. Align the 1200mAh Li-ion battery with the compartment contacts.
4. Press the battery firmly until it clicks into place.

### 2. Charging the Battery

The RT68 uses a 1200mAh Li-ion battery, providing approximately 12 hours of continuous use and 30 hours of standby time. Charge the battery fully before first use.

1. Connect the USB charging base to a power source using the provided adapter or a compatible USB port (PC, car charger, power bank).
2. Place the radio into the charging base. The indicator light on the base will show charging status (typically red for charging, green for fully charged).
3. Alternatively, the battery can be charged separately by placing it directly into the charging base.



Figure 6: USB Convenient Charging Options

### Video: USB Convenient Charging

This video demonstrates how to charge the Retevis RT68 walkie talkie using its USB charging base, showing both the radio and the battery being charged.

## 3. Attaching Accessories

Attach the belt clip to the back of the radio for easy carrying. The handstrap can be attached to the designated loop for added security.

## OPERATING INSTRUCTIONS

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### 1. Power On/Off and Volume Adjustment

1. To power on, rotate the Power/Volume knob clockwise until you hear a click and the radio announces the channel.
2. To adjust the volume, continue rotating the Power/Volume knob. Clockwise increases volume, counter-clockwise decreases it.
3. To power off, rotate the Power/Volume knob counter-clockwise until you hear a click.

### 2. Channel Selection

The RT68 features 16 FRS channels. To select a channel:

1. Rotate the Channel knob to select the desired channel. The radio will announce the channel number.
2. Ensure all radios in your group are set to the same channel for communication.

### 3. Transmitting and Receiving

1. To transmit, press and hold the PTT (Push-to-Talk) 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. When receiving a signal, the radio will automatically output the audio.

### 4. VOX Function (Hands-Free Operation)

The VOX (Voice Operated Exchange) function allows you to transmit without pressing the PTT button. The radio will automatically transmit when it detects your voice.

## VOX Function



Figure 7: VOX Hands-Free Function

### 5. Squelch Function

The squelch function automatically mutes the speaker when no signal is present, reducing background noise. The RT68 has an automatic squelch level.

#### **Video: Basic Operation and Features**

This video demonstrates powering on, adjusting volume, and changing channels on the Retevis RT68 walkie talkie.

#### **Video: Advanced Features and Durability**

This video showcases the VOX function, squelch, clear sound quality, and the 1-meter drop resistance of the Retevis RT68 walkie talkie.

## MAINTENANCE

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### 1. Cleaning

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

### 2. Battery Care

To prolong battery life, avoid overcharging or completely draining the battery. Store batteries in a cool, dry place when not in use.

### 3. Storage

When storing the radio for extended periods, remove the battery. Store the radio in a dry, dust-free environment away from direct sunlight and extreme temperatures.

### 4. Durability

The RT68 is constructed with sturdy ABS&PC materials, designed to withstand 1-meter drops. While rugged, avoid unnecessary impacts to ensure longevity.



RT68 Portable Walkie Talkies

# RUGGED

FOR OUTDOOR ENJOYMENT



Sturdy and drop-resistant



License-free and easy to use



Compact and portable

Figure 8: Rugged and Drop-Resistant Design

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on	Battery is low or not installed correctly.	Charge the battery or re-install it properly.
No sound or weak sound	Volume is too low; channel mismatch; squelch level too high.	Increase volume; ensure same channel; check squelch settings.
Cannot transmit or receive	Out of range; battery low; incorrect channel.	Move closer to other radios; charge battery; verify channel.
Short communication range	Obstructions (buildings, terrain); low battery.	Move to an open area; ensure battery is fully charged.

## SPECIFICATIONS

Feature	Detail
Brand	Retevis
Model Number	RT68
Color	Orange
Number of Channels	16
Special Features	Hands Free (VOX), Rechargeable, Rugged
Frequency Range	FRS
Voltage	3.7 Volts
Water Resistance Level	Not Water Resistant
Product Dimensions (D x W x H)	1.3" x 2.17" x 6.5"

Feature	Detail
Number of Batteries	4 C batteries required (included)
Item Weight	640 Grams
Audible Noise	40 Decibels
Compatible Devices	FRS Band Compatible Devices
Temperature Range	-10 to 50 Degrees Celsius
Battery Average Life	12 Hours (continuous use)
Impedance	50 Ohms
Tuner Type	FRS
Connectivity Protocol	FRS
Manufacturer Part Number	FA9175DX2-C9034AX4

## WARRANTY AND SUPPORT

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### 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 available, with buyers responsible for associated costs.

### Customer Support

For any questions, issues, or support needs, please contact Retevis customer service through the platform where the product was purchased. We aim to reply within 12 hours.