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› Retevis RT22 Walkie Talkies User Manual

Retevis RT22

Retevis RT22 Walkie Talkies User Manual

Model: RT22

Brand: Retevis

1. PRODUCT OVERVIEW

The Retevis RT22 Walkie Talkies are designed for reliable and hands-free two-way communication. This 6-pack includes a convenient 6-way multi-unit charger, making it ideal for business use where multiple units need to be charged simultaneously. These FRS license-free radios are compact, durable, and feature 16 channels for clear communication.

2. PACKAGE CONTENTS

Upon opening your Retevis RT22 package, you should find the following items:

- 6 x Retevis RT22 Walkie Talkies
- 6 x Li-ion batteries and belt clips
- 1 x Six-way gang multi-charger
- 1 x Charger adapter
- 1 x User Manual (this document)



Figure 2.1: All components included in the Retevis RT22 Walkie Talkies 6-pack.

3. SETUP GUIDE

3.1 Initial Charging

Before first use, ensure all walkie talkies are fully charged. The included 6-way multi-unit charger allows for simultaneous charging of all six units.

1. Connect the charger adapter to the 6-way multi-charger.
2. Plug the charger adapter into a standard power outlet.
3. Place each Retevis RT22 walkie talkie into an available slot on the multi-charger. Ensure the radios are powered off before placing them in the charger to prevent overheating.
4. The LED indicator on the charger will show the charging status. Refer to the charger's specific instructions for LED color meanings (typically red for charging, green for fully charged).

6-way charging

Easy/quick/safe charging



Figure 3.1: The 6-way multi-unit charger in use.

3.2 Powering On/Off

To power on or off the walkie talkie, rotate the power/volume knob clockwise to turn on and counter-clockwise to turn off. A voice prompt will indicate "Power On" or "Power Off".

4. OPERATING INSTRUCTIONS

4.1 Channel Selection

The Retevis RT22 features 16 channels. To select a channel, rotate the channel selector knob located on the top of the radio. Both radios must be on the same channel to communicate.

4.2 Push-to-Talk (PTT) Operation

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

4.3 VOX Function (Voice Activated Transmit)

The VOX function allows for hands-free operation, transmitting your voice automatically when detected. The RT22 offers 0-9 levels of VOX sensitivity. Adjusting the level according to your environment ensures optimal audio quality.

Your browser does not support the video tag.

Video 4.1: Instructions on how to activate the VOX function on Retevis RT22 walkie talkies. This video demonstrates the steps to enable or disable voice-activated transmission.

4.4 Key Lock Function

To prevent accidental changes to settings, the RT22 features a key lock function. Press and hold the "+" and "-" buttons simultaneously to toggle the key lock on or off. When activated, only the PTT button can be used, and channel changes are disabled.



Figure 4.1: Illustration of the keypad lock feature.

4.5 Emergency Alarm

The emergency alarm function can be activated to alert other team members in case of danger. This feature may require programming to enable and is designed for critical situations.

5. KEY FEATURES

- **Compact and Portable:** Designed to fit comfortably in your palm, weighing only 108g and measuring 3.78 x 2.17 x 0.87 inches.



Figure 5.1: The RT22's compact and lightweight design.

- **Long Battery Life:** Equipped with a 1000mAh Li-ion battery, providing extended standby time. Features low battery alert and automatic power saving.



Figure 5.2: Visual representation of long battery life.

- **Clear Sound Quality:** Features squelch technology for clear and loud audio transmission and reception.

Clear sound quality

Squelch; Loud sound quality

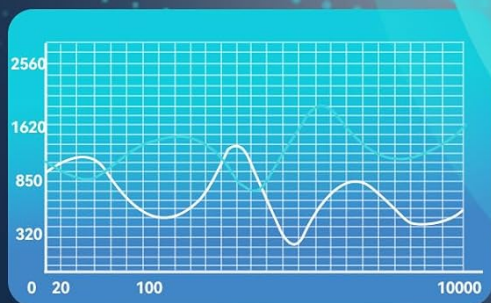


Figure 5.3: Enhanced sound quality features.

- **Increased Durability:** Constructed from anti-fall ABS material with an integrated large back clip for stability. The fixed short antenna reduces damage from accidental drops.

Strong durability

Cost-effective, stable quality



Figure 5.4: The RT22's robust construction for strong durability.



Figure 5.5: The short, fixed antenna design for enhanced durability.

- **Multi-Gang Charger:** Includes a 6-way multi-unit charger with multiple charging protections (overcharge, over voltage, short circuit) for safe and efficient charging.
- **FRS License-Free:** Operates on FRS frequencies, requiring no license for use.

6. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	RT22
Product Dimensions (Single Radio)	3.78 x 2.17 x 0.87 inches (0.83"D x 2.2"W x 5.35"H)
Item Weight (Single Radio)	108g (approx. 0.24 lbs)
Total Item Weight (Package)	4.75 pounds
Number of Channels	16

Frequency Range	FRS
Talking Range Maximum	2 Miles (actual range varies based on terrain and conditions)
Battery Type	Lithium Ion (1000mAh)
Voltage	3.7 Volts
Water Resistance Level	Not Water Resistant
Color	Black
FCC ID	2AAR8RT22

7. MAINTENANCE

7.1 General Care

- Keep the radio dry. If it gets wet, wipe it dry immediately.
- Do not expose the radio to extreme temperatures.
- Clean the radio with a soft, damp cloth. Do not use harsh chemicals or cleaning solvents.
- Avoid dropping or subjecting the radio to strong impacts.

7.2 Battery Care

- Always power off the radio before placing it in the charger to prevent overheating.
- The Lithium-Ion batteries are designed to be kept in the charger when not in use without risk of overcharging.
- If storing the radios for an extended period, charge the batteries to about 50% capacity and remove them from the radios.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or depleted.	Charge the battery fully using the multi-charger.
Cannot communicate with other radios.	Radios are on different channels.	Ensure all radios are set to the same channel.
Poor sound quality or static.	Out of range or interference.	Move closer to the other radio or to an area with less obstruction. Adjust VOX sensitivity if enabled.
Radio transmits without pressing PTT (VOX issue).	VOX function is enabled and too sensitive.	Adjust the VOX sensitivity level or disable VOX. Refer to Section 4.3 and Video 4.1.
Buttons are unresponsive.	Key lock function is active.	Deactivate the key lock by pressing and holding the "+" and "-" buttons simultaneously.

9. WARRANTY AND SUPPORT

Retevis provides comprehensive customer support for the RT22 Walkie Talkies.

- **Warranty:** A 3-year warranty is provided for the radio body and a 1-year warranty for accessories.
- **Returns:** A 30-day no-reason return policy is available.
- **FCC Compliance:** These walkie talkies meet FCC rule part 95. The FCC ID is 2AAR8RT22.

For further assistance or inquiries, please contact Retevis customer support.

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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