

- [Manuals.plus](#) /
- › [Retevis](#) /
 - › Retevis RT26 Walkie Talkie Instruction Manual

Retevis RT26

Retevis RT26 Two-Way Radio Instruction Manual

Model: RT26 | Brand: Retevis

PRODUCT OVERVIEW

The Retevis RT26 is a durable, long-range two-way radio designed for reliable communication in various environments, including construction sites. It features a high-capacity 3000mAh battery and a hidden screen for enhanced durability. This manual provides essential information for setup, operation, and maintenance of your RT26 radios.



Image: Four Retevis RT26 walkie-talkies, each in its charging cradle, showcasing the complete 4-pack.

WHAT'S IN THE BOX

Your Retevis RT26 package includes the following items:

- 4x Rugged RT26 2 Way Radio
- 4x 3000 mAh Li-ion Battery
- 4x Adapter, Belt Clip and Lanyard
- 4x Desktop charger
- 4x English User's manual



Image: All components included in the Retevis RT26 4-pack, neatly arranged.

PRODUCT FEATURES

- **High Power & Long Range:** Real high power two-way radio provides strong penetration, offering long-distance instant communication. Features a high-gain antenna for enhanced signal range.

- **Extended Battery Life:** Equipped with a 3000 mAh battery capacity, providing approximately 22-25 hours of continuous work and up to 7-8 days of standby time.
- **Durable Design:** Hidden screen prevents breakage, and a soft whip antenna ensures durability. Sturdy walkie-talkies and belt clip meet military standards, withstanding 2-meter drops.
- **Multiple Channels:** 99 channels available, allowing storage of various working and personal channels for convenient switching.
- **Clear Audio:** Excellent built-in speaker and 0-9 level squelch provide loud and crystal-clear sound in noisy environments.
- **Emergency Function:** Emergency alarm function allows users to send out alarms to other radios on the same channel.
- **Pre-set Channels:** Channels are pre-set with CTCSS/DCS to reduce unnecessary transmissions. For communication with other brands, contact Retevis for firmware.



High Power Design



3000 mAh Battery



Rugged Body

SETUP GUIDE

1. Battery Installation and Removal

To install the battery, align the battery pack with the radio's battery compartment and slide it in until it clicks into place. To remove, press the release tab (if present) and slide the battery out.



Installing



Removing

Image: Visual guide for installing and removing the battery pack from the RT26 radio.

2. Charging the Battery

Place the radio with the battery installed into the desktop charger. Ensure the charging contacts align. The indicator light on the charger will show the charging status. A full charge can take several hours. It is recommended to fully charge the battery before first use.



Image: The desktop charging unit and its power adapter.

OPERATING INSTRUCTIONS

Radio Components

Familiarize yourself with the main components of your RT26 radio:



Image: Detailed diagram labeling the various parts of the RT26 radio, including antenna, knobs, PTT button, speaker, and microphone.

- **Channel Knob:** Used to select the desired communication channel (1-99).
- **Power/Volume Knob:** Turns the radio on/off and adjusts the speaker volume.
- **LED Indicator:** Provides visual feedback on radio status (e.g., transmitting, receiving, low battery).
- **PTT (Push-to-Talk) Button:** Press and hold to transmit your voice; release to listen.
- **Side 1 Key / Side 2 Key:** Programmable buttons for various functions (e.g., monitor, scan, emergency alarm).
- **Speaker:** Outputs incoming audio.
- **Mic:** Captures your voice for transmission.
- **K Head 2 Pin:** Port for connecting audio accessories like headsets.
- **Belt Clip:** For attaching the radio to your belt or clothing.
- **Battery Pack:** Provides power to the radio.

Basic Operation

1. **Power On/Off:** Rotate the Power/Volume knob clockwise to turn the radio on. Continue rotating to increase volume.

Rotate counter-clockwise to decrease volume and turn off.

2. **Channel Selection:** Rotate the Channel knob to select one of the 99 available channels.
3. **Transmitting:** Press and hold the PTT button. Speak clearly into the microphone. Release the PTT button to finish transmitting and listen for a response.
4. **Receiving:** When not transmitting, the radio is in receive mode. Adjust the volume for comfortable listening.
5. **Squelch:** The RT26 features 0-9 level squelch. This function automatically mutes the speaker when no signal is present, reducing background noise. The squelch level is typically pre-set, but can be adjusted via programming if needed.
6. **Emergency Alarm:** If programmed, pressing the emergency alarm key will activate an audible alarm on your radio and transmit it to other radios on the same channel.

UNDERSTANDING RADIO RANGE

The effective range of two-way radios is influenced by several factors. While the RT26 offers long-range capabilities, actual performance can vary based on environmental conditions.

Your browser does not support the video tag.

Video: "What's the truth about two-way radio range?" - This video explains the factors affecting radio range and provides practical insights into maximizing communication distance.

Factors Affecting Range:

- **Terrain and Obstacles:** Mountains, buildings, and dense foliage can block radio signals, significantly reducing range.
- **Radio Horizon:** Radio signals travel in a line-of-sight path. The curvature of the Earth creates a "radio horizon" beyond which signals cannot directly travel.
- **Power Output (Watts):** Higher wattage radios generally have a longer range.
- **Antenna Quality:** A high-gain antenna can improve both transmission and reception.
- **Atmospheric Conditions:** Weather conditions can sometimes affect signal propagation.

The RT26 is designed for robust performance, offering strong penetration to overcome common obstacles. For optimal range, consider the environment and position yourself in areas with minimal obstructions.



FRS (2W) Range



GMRS (3W) Range



5W UHF/GMRS Range



10W UHF/GMRS Range



Repeater Extended Range



POC Walkie Talkie (Unlimited Range)

To extend communication distance:

- Increase the transmission power (in theory, if the transmission power is doubled, the communication distance can be expanded to approximately 1.4 times the original distance).
- Improve the receiving sensitivity (adjust the squelch threshold of the walkie-talkie and use a high-gain antenna to correspondingly improve the receiving sensitivity of the walkie-talkie).
- Keep launching from a higher location.
- Keep your battery charged.

MAINTENANCE

- Clean the radio's surface with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- Ensure the battery contacts are clean and free of debris.

- Store the radio in a cool, dry place when not in use.
- Do not disassemble the radio. Repairs should only be performed by authorized service personnel.
- Protect the radio from extreme temperatures and direct sunlight.

TRoubleshooting

Problem	Possible Cause	Solution
No power	Battery low or not installed correctly.	Charge battery or re-install battery.
Cannot transmit or receive	Incorrect channel, out of range, or obstacles.	Verify channel, move closer, or find clear line of sight.
Poor audio quality	Low battery, weak signal, or squelch setting.	Charge battery, move closer, adjust squelch.
Radio not charging	Charger or battery fault, improper connection.	Check connections, try another charger/battery if available.

Specifications

- **Product Dimensions:** 2.84 x 7.21 x 11.54 inches (7.21 x 18.31 x 29.31 cm)
- **Item Weight:** 5.8 pounds (2.63 kg)
- **Item Model Number:** RT26
- **Batteries:** 4 Lithium Ion batteries required (included)
- **Special Features:** Hidden screen; broken code decoding function; high power long range two way radios
- **Other Display Features:** Wireless
- **Color:** Black
- **Manufacturer:** Retevis
- **Date First Available:** February 11, 2015
- **Number of Channels:** 99
- **Talking Range Maximum:** 3.5 Mile (approximate, varies by terrain)
- **Tuner Technology:** RT26
- **Voltage:** 3.7 Volts
- **Water Resistance Level:** Water Resistant





295mm / 11.61in



Image: Diagram illustrating the physical dimensions of the RT26 radio.

WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your Retevis RT26 radios, please contact Retevis customer service. You can often find support contact details on the official Retevis website or through your purchase platform.

As per product information, if you need to talk to other brand walkie talkies, please contact Retevis via Amazon mail for firmware assistance.

Visit the official Retevis Store for more products and support:[Retevis Store](#)

© 2023 Retevis. All rights reserved.

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

Open the live page

<https://manuals.plus/asin/B00TGV8SJO>

More documents and user manuals: <https://manuals.plus/>