

Retevis RT19

Retevis RT19 Two Way Radios Instruction Manual

Model: RT19

Brand: Retevis

INTRODUCTION

The Retevis RT19 is a compact and lightweight FRS two-way radio designed for reliable communication. This manual provides essential information for setting up, operating, and maintaining your RT19 radios.

Your browser does not support the video tag.

Video: Introduction to Retevis RT19 Walkie Talkies. This video provides a general overview of the RT19 radio's features and design.

WHAT'S IN THE BOX

- 4 x RT19 Two Way Radio
- 4 x Battery
- 4 x Belt Clip
- 4 x Strap
- 2 x Micro-USB cable
- 2 x Charger adapter
- 2 x English User manual



Image: The package contents for the Retevis RT19, including radios, batteries, belt clips, straps, USB cables, charger adapters, and user manuals.

PRODUCT OVERVIEW

The Retevis RT19 radio features a compact design with essential controls for easy operation.



Image: A diagram illustrating the various parts of the Retevis RT19 radio, including the Power/Channel/Volume knob, PTT button, Indicator light, Headset plug, USB charging port, and Microphone.

Key Features:

- **Ultra-thin & Lightweight:** Designed for portability and comfort.
- **1300mAh Battery:** Provides extended usage time.
- **Metal Clip:** Durable and secure for attachment.
- **USB Charging:** Convenient charging via Micro-USB.
- **22 FRS Channels:** Standard Family Radio Service channels.
- **50 CTCSS and 208 DCS:** Privacy codes to minimize interference.
- **VOX Hands-Free:** Voice-activated transmission.
- **Key Lock:** Prevents accidental changes to settings.

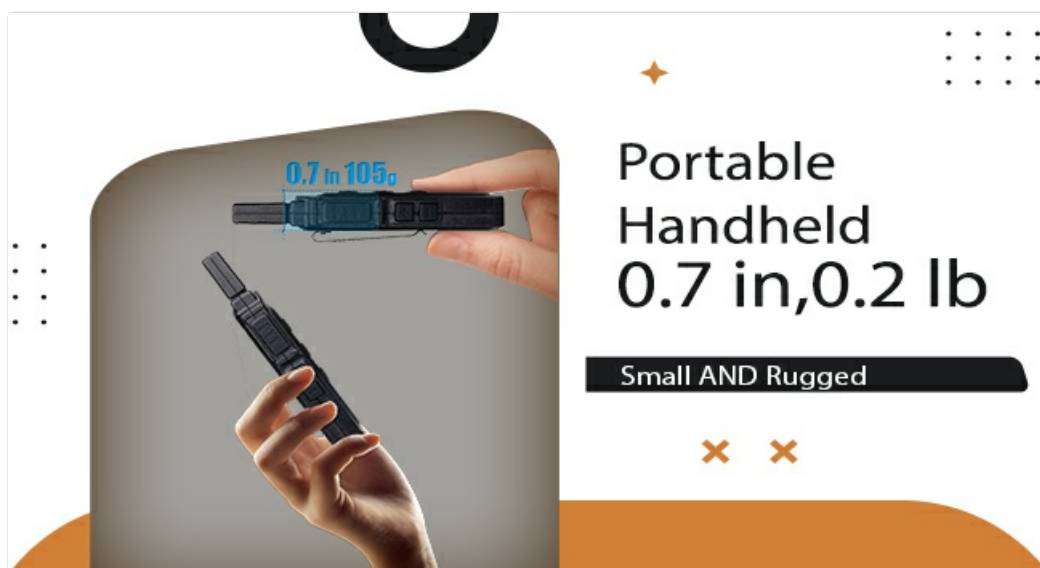


Image: The Retevis RT19 radio highlighting its ultra-slim and lightweight design, measuring 0.7 inches in thickness.



Image: Information about the 1300mAh long-life battery, indicating approximately 3 hours charging time and about 14 hours of continuous use.

Metal Clip+USB



Image: A view of the Retevis RT19 showing its durable metal back clip and the USB charging port.

SETUP

1. Battery Installation

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



Image: A close-up view of the back of the Retevis RT19 radio with the battery being inserted into its compartment.

2. Charging the Radio

Before first use, fully charge the radio's battery. Use the provided Micro-USB cable and charger adapter.

1. Connect the Micro-USB cable to the charging port on the side of the radio.
2. Plug the charger adapter into a standard wall outlet.
3. The indicator light will show charging status (e.g., red for charging, green for fully charged).



Image: Two Retevis RT19 radios connected to a dual USB charging cable, illustrating the charging process.

OPERATING INSTRUCTIONS

1. Power On/Off

Press and hold the orange power button located on the top of the radio to turn it on or off. A voice prompt will confirm the action.

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Video: How to operate Retevis RT19 Walkie Talkies. This video demonstrates basic operations including power on/off, channel selection, and volume adjustment.

2. Channel Selection

Short press the power button to enter the channel switching mode. Use the add (+) or minus (-) keys to select your desired channel. The radio supports 22 FRS channels.



Image: A close-up of the Retevis RT19 showing the channel and volume adjustment buttons on the side.

3. Volume Adjustment

In normal operating mode, use the add (+) or minus (-) keys to adjust the volume level. The radio features a volume memory function.

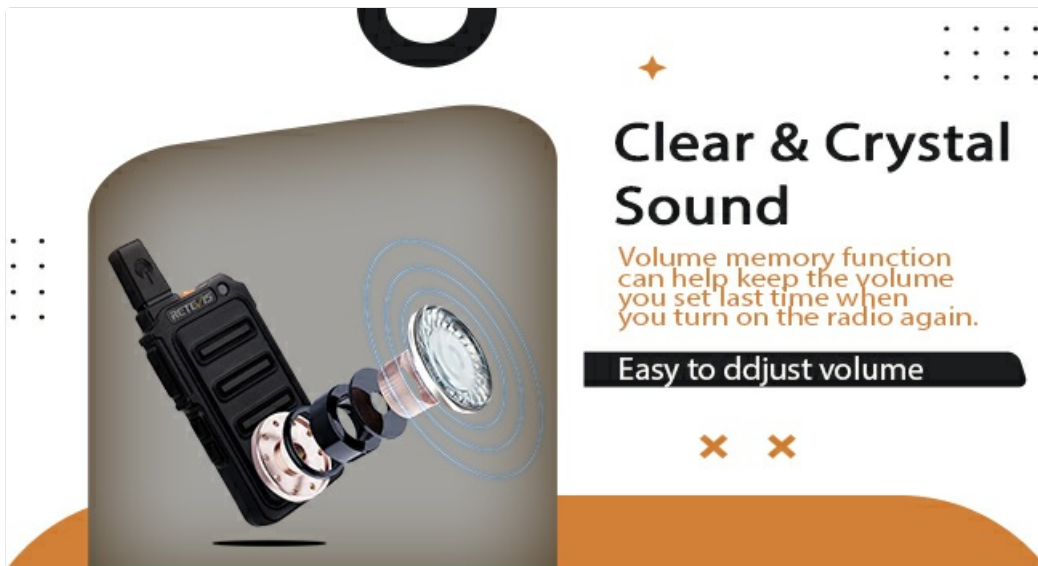


Image: An illustration of the Retevis RT19's speaker components, emphasizing clear and crystal sound quality with volume memory function.

4. Push-to-Talk (PTT)

Press and hold the PTT button on the side of the radio to transmit your voice. Release the button to listen.

5. VOX (Voice Operated Exchange)

The VOX function allows for hands-free operation. When activated, the radio transmits automatically when it detects your voice, without needing to press the PTT button.



Image: A person using the Retevis RT19 with the VOX hands-free feature, indicating no need to press the PTT button when busy.

6. Key Lock

To prevent accidental changes to settings, you can activate the key lock feature. This locks the keypad buttons.

Your browser does not support the video tag.

Video: Function Display: Keylock. This video demonstrates how to use the keylock feature on the RT19 radio.



Image: The Retevis RT19 radio illustrating the Key Lock feature, which prevents settings from being arbitrarily changed for safer communication.

7. Squelch and Privacy Codes (CTCSS/DCS)

The RT19 features 0-9 level squelch to reduce background noise and 50 CTCSS (Continuous Tone-Coded Squelch System) and 208 DCS (Digitally Coded Squelch) codes. These codes help minimize unnecessary chatter on channels by allowing you to hear only transmissions from radios set to the same code.

50 CTCSS and 208 DCS



Image: An illustration showing two Retevis RT19 radios communicating using 50 CTCSS and 208 DCS codes to ensure clear communication.

RANGE INFORMATION

The effective range of two-way radios can vary significantly based on several factors, including terrain, obstacles, atmospheric conditions, and radio power.

Your browser does not support the video tag.

Video: Do you know the truth about two way radio range? This video explains the factors that influence the communication range of two-way radios.

For FRS radios like the RT19, typical ranges are:

- **Urban Area:** 0.5 - 1.5 miles
- **Suburban Area:** 1 - 3 miles

- **Flat Open Terrain:** 2 - 4 miles

These are approximate values, and actual distance may vary.

SPECIFICATIONS

Feature	Value
Item Weight	2.4 ounces
Product Dimensions	4.8 x 2 x 0.7 inches
Item Model Number	A9160AX2-C9034AX2
Batteries	4 Lithium Ion batteries required (included)
Brand	Retevis
Color	Black
Number of Channels	22
Special Feature	VOX hands free, 1300 mAh battery, Handheld and portable, Metal clip
Frequency Range	FRS
Talking Range Maximum	2 Kilometer
Voltage	3.7 Volts
Water Resistance Level	Not Water Resistant

MAINTENANCE

- Keep the radio dry. If it gets wet, wipe it immediately.
- Do not expose the radio to extreme temperatures.
- Clean the radio with a soft, damp cloth. Avoid harsh chemicals.
- Ensure the USB charging port cover is closed when not charging to protect against dust and moisture.

TROUBLESHOOTING

No Power:

- Ensure the battery is correctly installed and fully charged.
- Press and hold the power button for a few seconds to turn on.

Cannot Transmit or Receive:

- Verify both radios are on the same channel and privacy code (CTCSS/DCS).
- Check the battery level; low battery can affect transmission power.
- Ensure you are within the effective communication range.
- Make sure the PTT button is fully pressed when transmitting.

Poor Sound Quality:

- Adjust the volume level.
- Check the squelch level; a higher squelch level might filter out weak signals.
- Ensure there are no major obstacles between the radios.

WARRANTY

Retevis provides a 2-year warranty for the radio body and a 1-year warranty for accessories. We offer a 30-day no-reason return policy. Beyond the warranty period, maintenance services are still available, with buyers responsible for corresponding costs. Contact us on Amazon for support; we will reply within 12 hours.

SUPPORT

For further assistance, please refer to the included English User Manual or contact Retevis customer support via Amazon. Our FCC ID is 2ASNSRT19, and our walkie-talkies meet FCC rule part 95.

TCB

GRANT OF EQUIPMENT
AUTHORIZATION
Certification
Issued Under the Authority of the
Federal Communications Commission
By:

TCB

Nemko North America, INC.
203 River Road
Ottawa, Ontario, K1V 1H2
Canada

Date of Grant: 09/04/2019
Application Dated: 09/04/2019

Shenzhen Retevis Technology Co., Ltd.
Room 700, 7/F, 13-G, Zhonghaixin Science
& Technology Park, No.12 Ganli 6th Road,
Jihua Street, Longgang District, Shenzhen,
China

Attention: Weidong Shen , Manager

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and
is VALID ONLY for the equipment identified hereon for use under the
Commission's Rules and Regulations listed below.

FCC IDENTIFIER: 2ASNSRT19

Name of Grantee: Shenzhen Retevis Technology Co., Ltd.

Equipment Class: Part 95 Family Radio Face Mold

Transmitter

Notes: Two Way Radio

Grant Notes

FCC Rule Parts

95B

462.55 - 462.725

1.66

0.11 PM

11K0F3E

95B

467.5025 - 467.7125

0.344

0.1 PM

11K0F3E

Output power listed is ERP. The operation may not exceed a maximum transmitting
duty factor of 50%. This device has been tested for SAR compliance for head and
body-worn configurations. SAR compliance for body-worn operating configurations is
limited to the specific belt-clip tested for this filing. The end-users must be informed of
the operating requirements for satisfying RF exposure compliance. This device is
authorized to operate in the FRS radio service. The highest reported SAR values for
head, and body-worn accessory use conditions are 0.48 W/kg, and 0.93 W/kg,
respectively.

Image: The back of the Retevis RT19 radio showing the FCC ID (2ASNSRT19), model number (RT19), frequency (FRS),
output power, voltage, and current.