



Retevis RT22 Walkie Talkies Rechargeable Hands Free 2 Way Radios-Complete features/User Instructions

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Retevis RT22 Walkie Talkies Rechargeable Hands-Free 2 Way Radios



Specifications

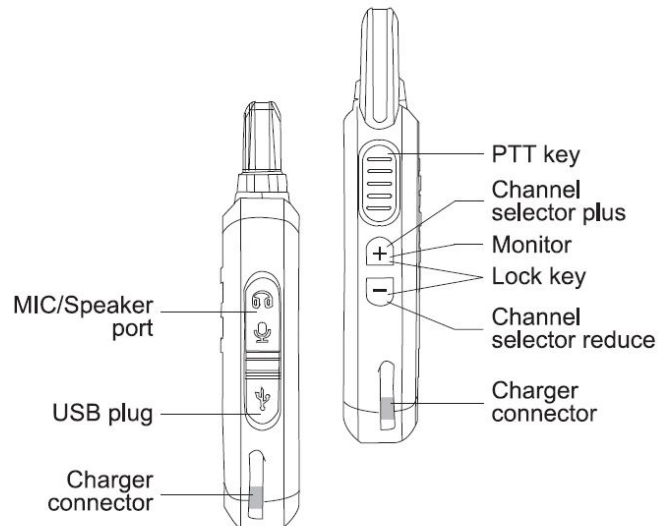
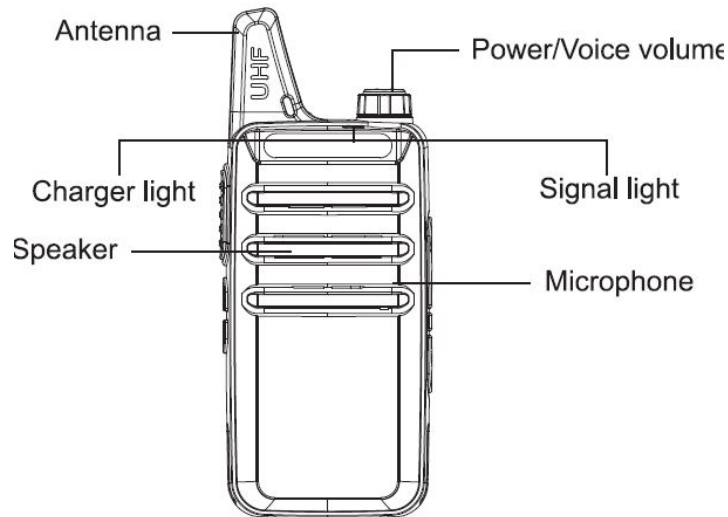
- **Weight**
4.75 pounds
- **Dimensions**
12.6 x 8.4 x 6.3 inches
- **Batteries**
6 Lithium-ion batteries required
- **Number of Channels**
16
- **Tuner Technology**
FRS
- **Noise Level**
30 dB
- **Temperature Range**
20-50 Degrees Celsius
- **Voltage**
3.7 Volts
- **Color**
Black
- **Brand**
Retevis

Introductions

The two-way radio is extremely compact and slim for business use; it has 16 channels and a wealth of features; make sure you use a license-free radio | 0-9 level voice activated transmit function allows hands-free operation; adjusting the level according to the environment allows you to get the best audio quality | Emergency alarm helps you be prepared for any danger and alerts team members; channel lock prevents accidental button changes; working out of the box with each other.

Includes a six-way multi-gang charger with multiple charging protections; overcharge; over-voltage and short circuit protection; safer for charging the 6 pack 2-way radios or batteries at the same time The certification number is 2AAR8RETEVISRT22, and the hardware version identification number (HVIN) is RT22.

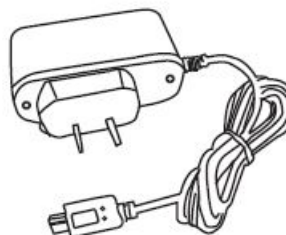
Function Operations



Standard Accessories

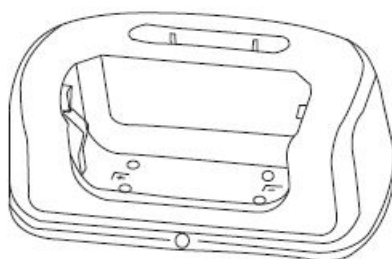


Radio body



Charger

Optional Accessories



Charger

MORE OPTIONAL ACCESSORIES OF RETEVIS



Acoustic tube headset



Programming cable



Speaker microphone



Throat mic

Note:

For more information, please visit our website: www.retevis.com

Get Acquainted

- The battery is not charged in a factory. Please charge the battery before initial use or after a long time of storage.

- Repeat charging and discharging the battery 2 or 3 times and the battery would reach its maximum capacity, please replace or charge the battery when it is in low power.
- The quick consumption of the power after a normal charge shows the exhaustion of the battery. Please contact your dealer and buy new approved battery.

Optional Functions

Time-out-timer

The purpose of the Time-out-timer is to prevent any signal person from using a channel for an extended period of time. If the transmission continues beyond 10 seconds, the transceiver will stop transmission and give out alarms. To stop the alarms, please release the PTT switch and the transceiver will resume the state of standby.

Battery Saving

The radio would reduce its power consumption. If there is no signal or operation over 10 seconds, the battery saving function would be on automatically. When signal is received or with operation, the radio would switch to normal mode.

Low Battery Warning

When the voltage fall down to lowest level, the tone of "Please Charge" will sound, required to replace battery or recharge the battery.

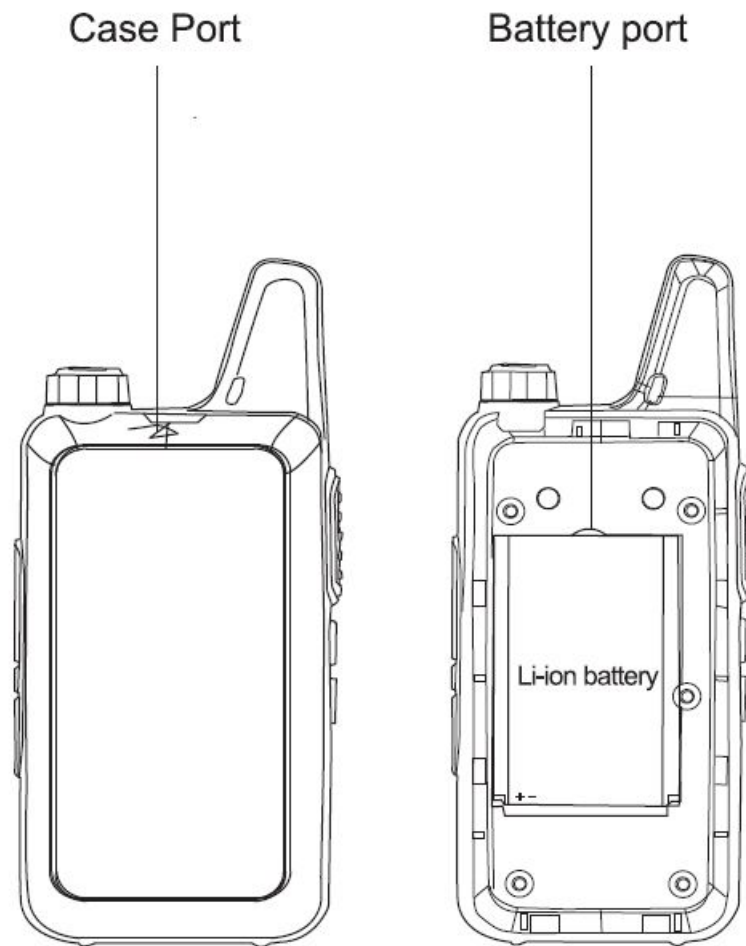
Monitor

This function can be realized by the long press of the default key. Press the monitor key, the Signal Indicate will change to Green.

QT and DQT

This function is mainly uses to avoid irrelative calling in a certain channel. With this function, users can receive calls in corresponding channels only with the same QT/DQT.

Attaching & Removing



Technical Parameters

General	
Operating Frequency	EU :400-480MHz
Output Power	S2W
Chanel	16
Modul ation Type	FM(F3E)
Antenna	Integrated Antenna
Antenna Gain	1.BdB
Bandwidth	12.5 KHz/2 5KHz
Power Source	DC3. 7V

Dimension	95•55•22mm
transmit	
The maximum deviation	S±5KHz
Residual radiation	<60dB
Current	S1000mA
Receiver	
Sensitivity	<0.16μV(12dB SINAD)
Squelch Sensitivity	<0.2μV
Intermodulation	50dB
Audio Power	300mW
current	S100mA
Squelch current	20mA

Warnings

Working temperature and height

Use the Two Way Radio in an environment with a temperature between -10°C and 40 °otherwise, it may damage your Two Way C Radio. It can be operating under 2000m.

Summary statement

For the following equipment: two way radio

- Is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.
- EU Declaration of Conformity:Refer to article 10(9), shall be provided as follows:
- Hereby, Shenzhen Retevis Technology Co., Ltd declares that the radio equipment type RT 22 is in compliance with Directive 2014/53/EU.
- The full text of the EU declaration of conformity is available at the following internet address:

www.retevis.com

SAR Test method description

Test position and configuration Head SAR was performed with the device configured in the positions according to IEEE 1528, and face up SAR was performed with the device 25mm from the phantom, Body SAR was performed with the belt clip on the device 0 mm from the phantom. Body SAR was also performed with the headset attached and without.

- Use only RETEVIS's approved supplied or replacement belt clip, batteries, charger, antennas, and accessories. Use of non-manufacturer-name approved batteries, and accessories may exceed the RF exposure guidelines.
- The antenna in the packing is unique, please do not optionally change
- For safe operation, the antenna for the product shall be at least 25mm away from your face, when speaking.
- DO NOT use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result

CAUTION

- For adapter: Shall be installed near the equipment and shall be easily accessible.
- For battery: Risk of explosion battery is replaced by an incorrect type, dispose of used batteries according to the instructions.

Batteries and chargers safety information

- This document contains important safety and operating instructions. Read these instructions carefully and save them for future reference.
- Before using the battery charger, read all the instructions and cautionary markings on The charger The battery, and The radio using the battery.
- To reduce the risk of injury, charge only the rechargeable Retevis-authorized batteries. Other batteries may explode, causing personal injury and damage.
- Use of accessories not recommended by Retevis may result in risk of fire, electric shock, or injury.
- To reduce the risk of damage to the electric plug and cord pull by the plug rather than the cord when disconnecting the charger.
- An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in risk of fire and electric shock, If an extension cord must be used, make sure that the cord size is 18AWG for lengths up to 6.5 feet(2.0m), and 16AWG for lengths up to 9.8 feet(3.0m).
- To reduce the risk of fire, electric shock, or injury, do not operate the charger if it has been broken or damaged in any way.
- Take it to a qualified Retevis service representative.
- Do not disassemble the charger: it is not repairable and replacement parts are not available. Disassembly of the charger may result in risk of electrical shock or fire. To reduce risk of electric shock, unplug the
- Charger from the AC outlet before attempting any maintenance or cleaning.

Operational safety guidelines:

- Turn the radio OFF when charging the battery.

- The charger is not suitable for outdoor use. Use only in dry locations/conditions.
- Connect charger only to an appropriately fused and wired supply of the correct voltage (as specified on the product).
- Disconnect the charger from line voltage by removing the main plug.
- The outlet to which this equipment is connected should be nearby and easily accessible.
- Maximum ambient temperature around the power supply e
- Make sure that the cord is located where it will not be stepped on, tripped over, or subjected to water, damage or stress.

DANGER

- When the conductive metals such as jewelry key or decorative chains touch the battery terminals, all the batteries are likely to cause damage to the items or personal injury. These conductive metals may form a short circuit and generate much heat. Do deal with any battery carefully, especially when put it into a pocket, wallet or other metallic containers.

WARNING

Please read the following brief instructions, non-compliance with these rules may cause danger or violate the law.

- Obey the local government regulation before using this radio, improper use may violate the law and the punished. Do not charge the transceiver and battery pack when they are wet.
- Ensure that there are no metallic items located between the transceiver and the battery pack.
- Don not use the options not specified by Retevis
- If the die-cast chassis or other transceiver part is damaged, do not touch the damaged parts.
- If the headset or headphone is connected to the transceiver, reduce the transceiver volume. Pay attention to the volume level when turning the squelch off.
- Do not place the microphone cable around your neck while near machinery that may catch the cable.
- Do not please the transceiver on unstable surfaces.
- Ensure that the end of the antenna does not touch your eyes.
- When the transceiver is used for long transmissions, the radiator and chassis will become hot.
- Don not touch these locations when replacing the battery pack.
- Do not immerse the transceiver in water.
- Always switch the transceiver power off before installing optional accessories.
- The charger is the Device that disconnects the units from the AC mains line, the AC plug should be readily accessible.
- Do not transmit too long, for the radio may heat and hurt the user.

WARNING

TURN THE TRANSCEIVER POWER OFF IN THE FOLLOWING LOCATIONS:

In explosive atmospheres (flammable gas, dust particles, metallic powders, grain powders, etc.)

- While taking on fuel or while parked at gasoline service stations.
- Near explosives or blasting sites.
- In aircraft. (Any use of the transceiver must follow the instructions and regulations provided by the airline

crew.)

- Where restrictions or warnings are posted regarding the use of the radio devices, including but not limited to medical facilities.
- Near persons using pacemakers.

Antennas

- The antenna in the packing is unique, please do not optionally change it.
- For safe operation, the antenna for the product shall be at least 25mm away from your face, when speaking.
- Switching to other antennas is prohibited and will affect the radio performance.
- DO NOT use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

Batteries

- All batteries can cause property damage and/or bodily injury such as burns if a conductive material touches exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become hot.
- Exercise care when removing NiMH or AA batteries. Do not use sharp or conductive tools to remove these batteries.
- Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or another container with metal objects.
- Do not discard your battery in a fire.
- Do not replace the battery in any area labeled "Hazardous Atmosphere". Any sparks created in a potentially explosive atmosphere can cause an explosion or fire.
- Do not disassemble, crush, puncture, shred or otherwise attempt to change the form of your battery.
- Do not dry a wet battery or damp battery with an appliance or heat source, such as a hair dryer or microwave oven.
- If the radio battery contact area has been submerged in water, dry and clean the battery contacts before attaching the battery to the radio.

CAUTION

Battery Charger Safety Instructions:

- Turn the radio off when charging the battery.
- Do not expose the charger to the outside environment. Chargers should only be used indoors.
- Do not operate or disassemble the charger. Do not use a charger that has been dropped or damaged in any way.
- Never alter the AC cord or plug provided with the unit. If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician. An improper condition can result in a risk of electric shock.
- To reduce the risk of damage to the cord or plug, pull the plug rather than the cord when disconnecting the charger from the AC receptacle.
- To reduce the risk of electric shock, unplug the charger from the outlet before attempting any maintenance or cleaning.

- Use of an attachment not recommended or sold by Retevis Solutions may result in a risk of fire, electric shock or personal injury.
- Make sure the cord is located so it will not be stepped tripped over or subjected to damage or stress.
- An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of a fire and/or electric shock. If an extension cord must be used, make sure that:
- The pins on the plug of the extension cord are the same number, size, and shape as those on the plug of the charger.
- The extension cord is properly wired and in good condition.
- The supply cord of the AC adaptor cannot be replaced. If the cord is damaged, call customer service.

WARNING

The information listed below provides the user with the information needed to make him or her aware of RF exposure, and what to do to assure that this radio operates with the FCC RF exposure limits of this radio.

Electromagnetic Interference/Compatibility Note:

Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed or otherwise configured for electromagnetic compatibility.

During transmissions, RETEVIS, INC. radio generates RF energy that can possibly cause interference with other devices or systems.

Facilities

To avoid electromagnetic interference and/or compatibility conflicts, turn off your radio in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

Aircraft

When instructed to do so, turn off your radio when on board an aircraft. Any use of a radio must be in accordance with applicable regulations per airline crew instructions.

Medical Devices

Pacemakers, Defibrillators or other Implanted Medical Devices

Persons with pacemakers, Implantable cardioverter defibrillators (ICDs) or other active implantable medical devices (AIMD) should:

- Consult with their physicians regarding the potential risk of interference from radio frequency transmitters, such as portable radios (poorly shielded medical devices may be more susceptible to interference).
- Turn the radio OFF immediately if there is any reason to suspect that interference is taking place.
- Do not carry the radio in a chest pocket or near the implantation site and carry or use the radio on the opposite side of their body from the implantable device to minimize the potential for interference.

Hearing Aids

Some digital wireless radios may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

Use of Communication Devices While Driving

Always check the laws and regulations on the use of radios in the areas where you drive.

- Give full attention to driving and to the road.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call, if driving conditions or regulations so require.

For Vehicle with Air Bags

Refer to the vehicle manufacturer's manual prior to installation of electronic equipment to avoid interference with airbag wiring. Do not place a portable radio in the area over an air bag or in the air bag deployment area. Airbags inflate with great force. If a portable radio is placed in the airbag deployment area and the airbag inflates, the radio may be propelled with great force and cause serious injury to the occupants of the vehicle.

Potentially Explosive Atmosphere

Turn off your radio prior to entering any area with a potentially explosive atmosphere. Only radio types that are especially qualified should be used in such areas as "Intrinsically Safe". Do not remove, install or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note:

The areas with potentially explosive atmosphere referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles (such as grain, dust or metal powders) and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often – but not always posted.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn off your radio when you are near electrical blasting caps, in a blasting area, or in areas posted "Turn off two-way radios". Obey all signs and instructions.

Guarantee Card

Model Number:

Serial Number:

Purchasing Date:

Dealer: _____ Telephone: _____ Country: _____

Address:

Post Code: _____ Email: _____

Remarks:

1. This guarantee card should be kept by the user, no replacement if lost.
2. Most new products carry a two-year manufacturer's warranty from the date of purchase. For further details, please read <http://www.retevis.com/after-sale/>
3. The user can get warranty and after-sales service as below:
Contact the seller where you buy.
Products Repaired by Our Local Repair Center.
4. For warranty service, you will need to provide a receipt proof of purchase from the actual seller for verification.

Exclusions from Warranty Coverage:

1. To any product damaged by accident.

2. In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs.
3. If the serial number has been altered, defaced, or removed.

Frequently Asked Questions

- **Whats the range on these? The range distance?**

I tested this radio's the other day for 1/2 a mile through the woods and many houses in the way and in this situation at 1/2 miles they were still crystal clear. I plan on further testing through obstacles and line of sight for total distance in both situations and will report back.

- **we have 50 staff will these pair up to others if we buy multiple sets so that we can communicate with everyone in the facility?**

Yes, of course. Retevis RT22 has been programmed to the same frequency and CTCSS before shipment, so they can work together when out of the box. Hope this can help you. If any other questions, just feel free to contact us via amazon email, we will do our best to help.

- **Do the radios work while in the charging station?**

Yes, but it's better not to use it while charging, so as not to affect the battery life. Hope this can help you. In addition, we provide 30 days no reason to return; a 2-year warranty for the radio body and a 2-month warranty for accessories. If any questions, just feel free to contact us by Amazon email, we are glad to help you.

- **Are these light enough/not bulky to be able to attach a lanyard to the and wear around your neck? is there a spot on them i can attach a lanyard to?**

They are a really lite radio, some of the most lit around, but I would not want to wear them around my neck for very long. They have a belt clip that can be attached to a lanyard but no lanyard attachment spot that I can see would work better.

- **Are these equipped for 3 small children? 4, 6, and 8 years of age? Parent-to-child communication for the park?**

Yes, of course, RT22 is FRS Frequency license-free Walkie Talkie, and it is 2w, usually, it can reach 0.5-2.5miles. the range will be affected by the terrain and the environment, if in the open area and without interference, it maybe can reach 2.5 mile or longer. it's easy to operate for children to communicate with parents in the park. If there are any issues need help, please feel free to contact us, we are always here for you.

<https://www.retevis.com/Download/manual/RT22-EU-English-Manual.pdf>