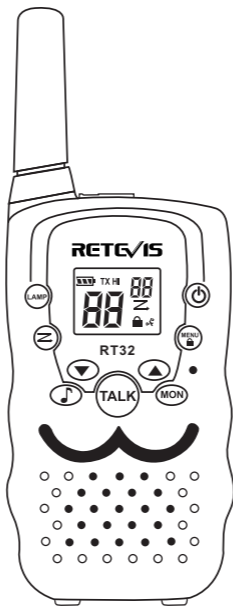


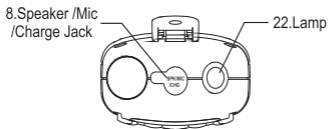
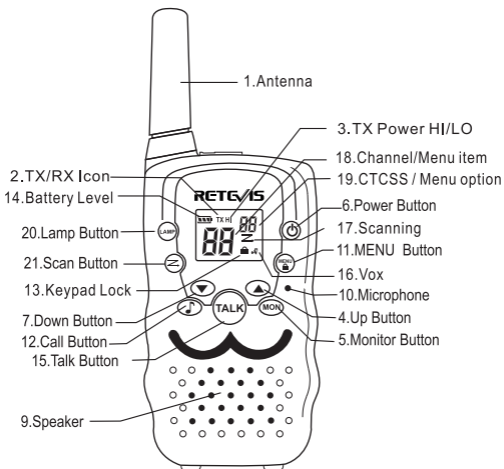
RETEVIS



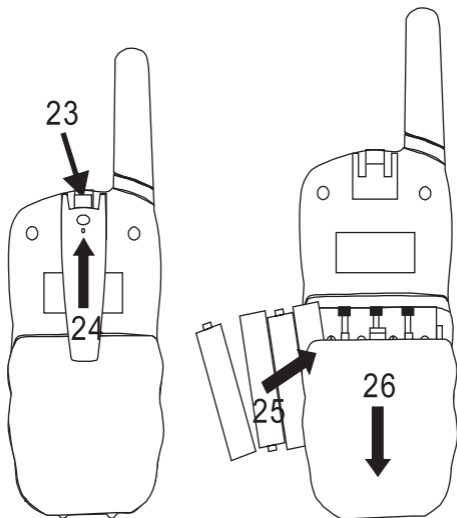
RT32

USER'S MANUAL

PIC 01



PIC 02



EN~Instructions for use

This set includes 2 walkie-talkie units: these are communication devices which operate on mobile radio frequencies. They come with 22 channels as well as a back-lit LCD screen, enabling you to communicate over several kilometers free-of-charge.


NOTE: Please read these user instructions carefully before using the equipment and retain for future consultation!

SPECIFIC RECOMMENDATIONS

- If you carry any kind of personal medical disease, consult a doctor before use.
- To avoid the risk of burns, do not use the device if the antenna is damaged in any way.
- Do not use the device in a potentially explosive environment (e.g. around petrol pumps, on the lower deck of a boat or around a fuel storage installation or chemical products)
- Switch off the device if on an airplane or in a hospital.
- Never use the device in close proximity to a radio to avoid interference.
- Remove the batteries if the device is not in use for an extended period of time. Never mix used and new batteries
- Leave the transmitter and antenna at least 5 cm from your face.
- Direct the antenna upwards and speak normally.
- Clean the device with a damp cloth. Do not use cleaning agents and solvents.
- Do not modify the device in any way. If the device damaged, please checked by a qualified professional.
- The device cannot be used to contact the emergency services.

ITEM DESCRIPTION (Pic01.02)

1. Antenna
2. RX icon -Displayed when receiving
TX icon -Displayed when transmitting
3. TX power high or low
4. Up adjustor button (▲)
5. Continued reception (MON)
6. On / off button (⏻)
7. Down adjustor button (▼)
8. Earphone socket
9. Loud speaker
10. Microphone
11. Enter the menu settings (Menu)

12. Call button ()
13. Keypad lock indicator
14. Battery level indicator
15. Push to talk (TALK) button
16. VOX indication
17. Scanning indication:
 Displayed during scan mode
18. Channel/Menu item indication
19. CTCSS/Menu option-value
20. Lamp Button
21. Scan Button
22. Lamp
23. Belt attachment clip
24. Belt attachment
25. Batteries (not supplied)
26. Battery compartment

To install the batteries

Remove the belt clip:there are a secret button to press, then take the belt off.Open the battery compartment (26) and insert 4AAA batteries (25)(not supplied),ensuring that the poles are correctly alighed.The closed the lid

USING THE WALKIE TALKIE

1. Turning the device on/off:

To turn the device on or off, hold down the on/off button(6) for 3 seconds, a beep sound will be played to confirm.

2.Adjusting the volume:


To increase the volume, press the Up adjustor button ▲(4) and press the ▼(7) button to decrease volume.


Note: The volume level number is displayed on the screen.

3.Battery Charge Level/Low Battery Indication

The battery charge level is indicated by the number of squares present inside the battery icon on the LCD screen.

 Battery Full

 Battery 2/3 charged

 Battery 1/3 charged

 Battery empty

When the battery charge level is low, the battery icon will flash and a beep will be heard to indicate that the batteries need to be replaced or recharged.

4. Receiving/Transmitting communications:

The devices are in 'Reception' mode when lit up, i.e. they are ready to receive a call or sound transmitting on the activated frequency.

- When you press the Call tone button (12), the device switches to 'Transmission' mode. You are then transmitting a sound signal to the other device.
- To send a voice message, press the TALK button (15) and speak into the microphone (10). Continue to press the button until you have finished transmitting your message.

Hold the Mic with a minimum distance of 5 cm from your face.

Note:

- The other device must be set to the same channel and same CTCSS code.
- When you finish the communication, please lose the hand, the other device will email the beep to indicate that the this device is ready to transmit.

5. Changing Channels

- Press the MENU button (11) once, the current channel number flashes on the display.
- Press the ▲ button (4) or ▼ button (7) to change the channel .
- Press the TALK button to (15) confirm and return to stand-by.

Note: If no button is pressed within 15 seconds during setting, the unit will return to standby .

6.CTCSS (Continuous Tone Coded Squelch System)

Licence free radio's operating on the 400~470 MHZ frequency band, like the Twintalker, have 8/20/22 available radio channels. If there are many radio's users in your neighborhood, there is a chance that some of these users are operating on the same radio channel. To prevent that you receive signals from other users, sub-channels have been integrated.

Two radios only be able to communicate with each other not only on the same channel but also set to the same sub-channels.

The sub-channels:continuous tone squelch system(CTCSS)

When using CTCSS, a low frequency tone(67-250Hz)will be transmitted along with the voice signal. There are 99 available tons to choose.

Note: To disable CTCSS, select code "0F" for CTCSS in the menu. When pressing TALK button to confirm.

7.CTCSS

- Press the MENU-button (11) twice: The current CTCSS code flashes

on the display.

- Press the ▲-button (4) or the ▼-button (7) to change to another code.
- Press the TALK-button (15) to confirm and return to stand-by.

Note: To disable CTCSS, select code "0F" for CTCSS in the menu. When pressing TALK button to confirm

8. Monitor

You can use the monitor feature to check for weaker signals in the current channel.

- Press the MON-button to activate channel monitoring.
- Press the MON-button to stop channel monitoring.

Note: During channel monitoring the receiver circuit in the Radios will not listen to CTCSS codes.

9. VOX Selection

The radio is capable of voice activated (VOX) transmission. In VOX mode, the radio will transmit a signal when it picks up your voice or other sound around you. VOX operation is not recommended if you plan to use your radio in a noisy or windy environment.

Note: VOX mode will be overridden when you press the TALK-button (15).

- Press the MENU(11) three times, the current VOX setting flashes on the display and the VOX icon is displayed.
- Press ▲-button (4) to set the VOX sensitivity level between 1 and 3 (level 3 is the most sensitive level).
- Press ▼-button (7) until OF appears on the display, to turn VOX off.
- Press the TALK -button (15) to confirm and return to stand-by.

10. Scanning for an active radio channel

- Press the SCAN-button (21): The 'Scan' function indicator (17) will appear on the screen and the channel (18) will scan continuously from 1 to 8/20/22.
- Press the ▼ -button (7) to start the channel scan from 8/20/22 to 1. Once an active channel is found, the scanning will stop and you can listen to the transmission.

When the transmission on the found channel stops, the scanning will resume automatically.

NOTE: If you press the TALK button (15) while listening to a found channel, the Radios will go back in stand-by on the found channel.

11. Call Tones

A call tone alerts others that you want to start talking.

11.1 Setting the Call Tone

The walkie talkies have 10 call tones.

- Press the MENU-button (11) four times, "CA" is displayed and the current call tone is flashing.
- Press the ▲-button (4) or the ▼-button (7) to change to another Call Tone.
- Press the TALK-button (15) to confirm and return to stand-by.

11.2 Sending a call tone

Press the CALL-button (12) briefly. The call tone will be transmitted on the set channel.

12. Setting the double channel monitor

- Press the MENU-button (11) five times, until the "CH" displays the current channel flashes.
- Press up or down key to set the second channel or turn off.
- Press the TALK -button (15) to confirm and return to stand-by.

13. Key-Tone On/Off

When a button is pressed, the unit will beep briefly.

To set the key-tone.

- Press the MENU-button (11) six times.
- Press ▲ to enable (ON) or ▼ disable the Key Tones (OF).
- Press the TALK -button (15) to confirm and return to stand-by.

14. Roger Beep On/Off

After the TALK-button is released, the unit sends out a roger beep to confirm that you have stopped talking.

To set the Roger Beep.

- Press the MENU-button (11) seven times, "ro" will display.
- Press ▲ to enable (ON) ▼ disable the Key Tone (OF)
- Press the TALK -button (15) to confirm and return to stand-by.

15. Setting the TX power high/low

- Press the MENU-button (11) eight times, "Pr" will be displayed
- Press up or down key to set the HI or LO lever.
- Press the TALK -button (15) to confirm and return to stand-by.

16. Button Lock

- Press and hold the MENU-button (11) for two seconds to activate the Button lock mode. The button lock icon is displayed on the LCD Screen.
- Press and hold Menu button until there are the Lock icon displayed on the LCD Screen. The same step to unlock the button.

Note: The TALK-button (15), the CALL-button (12), MON-button (5) and the

on/off button (6) will still be functional when the Button Lock is activated. But the other button deactivated.

17. Display back light

To activate the backlight of the LCD display, press any button .
The LCD backlight will light up for 5 seconds.

18. Earpiece connection

The Twintalker can be used with the included earpiece.

The connector is located on the top of the device.

Insert the earpiece plug into the connector (2.5mm jack).

The small button on the earpiece has the same function as the TALK-button(15) on the unit.

When you use the microphone from the earpiece to talk into.

Note: Do not connect other earpieces. This may damage your device. The connector is located on the top of the device.

19. Battery saving function

When the device has not been used for 6 seconds, the economy mode is automatically activated. This does not affect the reception of transmissions and the standard mode is automatically reactivated as soon as a signal is detected.

20. BUILT-IN FLASH LIGHT

The radio flashlight can offer more convenient in the dark and can send light signals.

EU Channel Frequency				
Channel	1	2	3	4
Frequency	446.00625	446.01875	446.03125	446.04375
Channel	5	6	7	8
Frequency	446.05625	446.06875	446.08125	446.09375

US&CA Channel Frequency				
Channel	1	2	3	4
Frequency	462.5625	462.5875	462.6125	462.6375
Channel	5	6	7	8
Frequency	462.6625	462.6875	462.7125	467.5625
Channel	9	10	11	12
Frequency	467.5875	467.6125	467.6375	467.6625
Channel	13	14	15	16
Frequency	467.6875	467.7125	462.5500	462.5750
Channel	17	18	19	20
Frequency	462.6000	462.6250	462.6500	462.6750
Channel	21	22		
Frequency	462.7000	462.7250		

Guarantee

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. Further details, pls 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.

Guarantee	
Model Number:	
Serial Number:	
Purchasing Date:	
Dealer:	
Telephone:	
User's Name:	
Telephone:	
Country:	
Address:	
Post Code:	
Email:	

Warnings

RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE FOR PORTABLE TWO-WAY RADIOS



ATTENTION!

Before using this radio, read this guide which contains important operating instructions for safe usage and RF energy awareness and control for compliance with applicable standards and regulations.

This two-way radio uses electromagnetic energy in the radio frequency (RF) spectrum to provide communications between two or more users over a distance. It uses radio frequency (RF) energy or radio waves to send and receive calls. RF energy is one form of electromagnetic energy. Other forms include, but are not limited to, sunlight and x-rays. RF energy, however, should not be confused with these other forms of electromagnetic energy, which when used improperly, can cause biological damage. Very high levels of x-rays, for example, can damage tissues and genetic material.

Experts in science, engineering, medicine, health, and industry work with organizations to develop standards for safe exposure to RF energy. These standards provide recommended levels of RF exposure for both workers and the general public. These recommended RF exposure levels include substantial margins of protection.

All Retevis two-way radios are designed, manufactured, and tested to ensure they meet government-established RF exposure levels. In addition, manufacturers also recommend specific operating instructions to users of two-way radios. These instructions are important because they inform users about RF energy exposure and provide simple procedures on how to control it.

Please refer to the following websites for more information on what RF energy exposure is and how to control your exposure to assure compliance with established RF exposure limits:

<http://www.who.int/en/>

Local Government Regulations

When two-way radios are used as a consequence of employment, the Local Government Regulations requires users to be fully aware of and able

to control their exposure to meet occupational requirements. Exposure awareness can be facilitated by the use of a product label directing users to specific user awareness information. Your Retevis two-way radio has a RF Exposure Product Label. Also, your Retevis user manual, or separate safety booklet includes information and operating instructions required to control your RF exposure and to satisfy compliance requirements.

Radio License

Governments keep the radios in classification, most of the classified walkie-talkie need to get local government License, and operation is allowed. The detailed classification and the use of your radios, please contact the local government radio management departments.

For the following specified classification: the USA FRS, Australian CB, the individual license is not required.

Compliance with RF Exposure Standards (If appropriate, Reference to the actual product's Safety Marking)

Your Retevis two-way radio is designed and tested to comply with a number of national and International standards and guidelines (listed below) for human exposure to radio frequency electro-magnetic energy.

FCC ID

The FCCID means: This radio complies with the IEEE (FCC) and ICNIRP exposure limits for occupational/controlled RF exposure environments at operating duty factors of up to 50% talk-50% listen and is approved for occupational use only.



marking means: Hereby, Shenzhen Retevis Technology Co., Ltd. declares that the radio equipment type RT32 is in compliance with the RED Directive 2014/53/EU and the ROHS Directive 2011/65/EU and the WEEE Directive 2012/19/EU

The full text of the EU declaration of conformity is available at the following internet address: www.retevis.com

IC ID

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

In terms of measuring RF energy for compliance with these exposure

guidelines, your radio generates measurable RF energy only while it is transmitting (during talking), not when it is receiving (listening) or in standby mode.

NOTE: The approved batteries, supplied with this radio, are rated for a 5-5-90 duty factor (5% talk-5% listen-90% standby) even though this radio complies with FCC occupational exposure limits and may operate at duty factors of up to 50% talk.

RF energy exposure standards and guidelines (if appropriate)

Your Retevis two-way radio complies with the following RF energy exposure standards and guidelines:

- United States Federal Communications Commission (FCC), Code of Federal Regulations; 47 CFR part 2 sub-part J.
- American National Standards Institute (ANSI)/Institute of Electrical & Electronic Engineers (IEEE) C95. 1-2005
- IEEE Std. 1528:2013 and KDB447498, Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.
- Institute of Electrical and Electronic Engineers (IEEE) C95.3-2002
- International Commission on Non-Ionizing Radiation Protection (ICNIRP)
- Ministry of Health (Canada) Safety Code 6 & Industry Canada RSS-102.
- International Electrotechnical Com-mission IEC62209-2:2010

RF Exposure Compliance and Control Guidelines and Operating Instructions

To control your exposure and ensure compliance with the occupational/controlled environment exposure limits, always adhere to the following procedures.

Guidelines:

- User awareness instructions should accompany the device when transferred to other users.
- Do not use this device if the operational requirements described herein are not met.

Operating Instructions:

- Transmit no more than the rated duty factor of 50% of the time. To Transmit (Talk), push the Push To Talk (PTT) button. To receive calls (listen), release the PTT button. Transmitting 50% of the time, or less, is important because the radio generates measurable RF energy exposure only when transmitting in terms of measuring for standards compliance.

- Transmit only when people outside the vehicle are at least the recommended minimum lateral distance away from a properly installed according to installation instructions, externally mounted antenna.
- When operating in front of the face, worn on the body, always place the radio in a Retevis approved clip, holder, holster, case, or body harness for this product. Using approved body-worn accessories is important because the use of Non-Retevis approved accessories may result in exposure levels, which exceed the IEEE/ICNIRP occupational/controlled environment RF exposure limits.
- If you are not using a body worn accessory and are not using the radio in the intended use position, in front of the face or at the body in the PTT mode or alongside of the head in the phone mode, then ensure the antenna and the radio are kept 2.5 cm (one inch) from the body when transmitting. Keeping the radio at a proper distance is important because RF exposures decrease with increasing distance from the antenna

Hand-held Mode

- Hold the radio in a vertical position with the microphone (and other parts of the radio including the antenna) at least 2.5 cm (one inch) away from the nose or lips. The antenna should be kept away from the eyes. Keeping the radio at a proper distance is important as RF exposure decreases with increasing distance from the antenna.



Phone Mode

- When placing or receiving a phone call, hold your radio product as you would a wireless telephone. Speak directly into the microphone.

Electromagnetic Interference/Compatibility

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



Avoid Choking Hazard

Small Parts. Not for children under 3 years.



Turn off your radio power in the following conditions:

- Turn off your radio before removing (installing) a battery or accessory or when charging battery.
- Turn off your radio when you are in a potentially hazardous environments: Near electrical blasting caps, in a blasting area, in explosive atmospheres (inflammable gas, dust particles, metallic

powders, grain powders, etc.).

- Turn off your radio while taking on fuel or while parked at gasoline service stations.

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 (Pacemakers, Hearing Aids and Other Medical Devices) may be using equipment that is sensitive to external RF energy.

- 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.

Note:

Pacemakers

Defibrillators or other Implanted Medical Devices Persons with pacemakers, Implantable Cardioverter-Defibrillators (ICDs) or other active implantable medical devices (AIMD) should:

- ALWAYS keep the radio more than 15 cm from their pacemaker when the radio is turned on.

- 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 they have 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.



Protect your hearing:

- Use the lowest volume necessary to do your job.
- Turn up the volume only if you are in noisy surroundings.
- Turn down the volume before adding headset or earpiece.
- Limit the amount of time you use headsets or earpieces at high volume.
- When using the radio without a headset or earpiece, do not place the radio's speaker directly against your ear

Note: Exposure to loud noises from any source for extended periods of time may temporarily or permanently affect your hearing. The louder the radio's volume, the less time is required before your hearing could be affected. Hearing damage from loud noise is sometimes undetectable at first and can have a cumulative effect.



Avoid Burns Antennas

- Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with the skin when the radio is in use, a minor burn can result.

Batteries (If appropriate)

- When the conductive material such as jewelry, keys or chains touch exposed terminals of the batteries, may complete an electrical circuit (short circuit the battery) and become hot to cause bodily injury such as burns. Exercise care in handling any battery, particularly when placing it inside a pocket, purse or other container with metal objects

Long transmission

- When the transceiver is used for long transmissions, the radiator and chassis will become hot.



Safety Operation

Forbid

- Do not use charger outdoors or in moist environments, use only in dry locations/conditions.
- Do not disassemble the charger, that may result in risk of electrical shock or fire.
- Do not operate the charger if it has been broken or damaged in any way.
- Do not place a portable radio in the area over an air bag or in the

air bag deployment area. The radio may be propelled with great force and cause serious injury to occupants of the vehicle when the air bag inflates.

To reduce risk

- Pull by the plug rather than the cord when disconnecting the charger.
- Unplug the charger from the AC outlet before attempting any maintenance or cleaning.
- Contact Retevis for assistance regarding repairs and service.

Use of Communication Devices While Driving

- Always check the laws and regulations on the use of radios in the countries and areas where you drive.
- Give your full attention to driving and to the road.
- If available, use the hands-free facility.
- If driving conditions or regulations require it, pull off the road and park before making or answering a call.



Approved Accessories

- This radio meets the RF exposure guidelines when used with the Retevis accessories supplied or designated for the product. Use of other accessories may not ensure compliance with the RF exposure guidelines and may violate regulations.
- For a list of Retevis-approved accessories for your radio model, visit the following website: <http://www.Retevis.com>



RECYCLED PACKAGING



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MADE IN CHINA