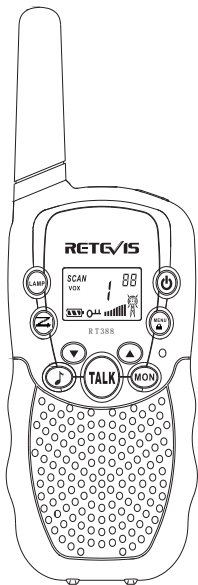


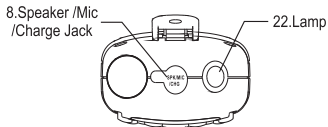
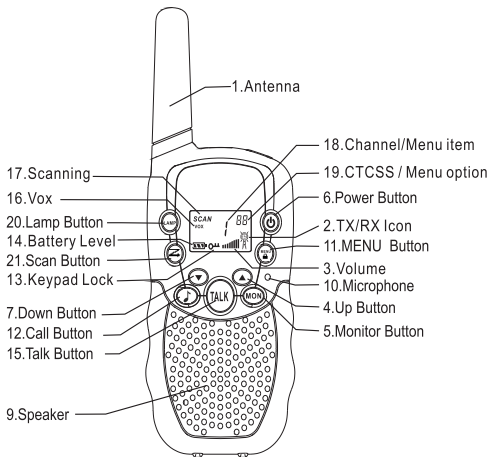
RETQVIS



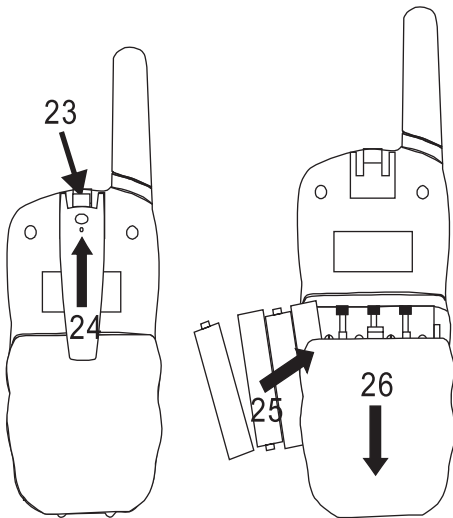
RT388

USER'S MANUAL

PIC 01



PIC 02



EN~Instructions for use

This set includes 2 two way radio units: these are communication devices which operate on mobile radio frequencies. They come with 8/20/22 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. Volume level indicator
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 (CALL)

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 is 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 aligned. Then close the lid

USING THE WALKIE TALKIE

1. Turn the device on/off:

To turn on the devices 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 (3) 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.

Please keep press the Talk button until you finish the transmitting.

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 emit 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 mode.

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 462.5500~467.7125MHz 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.

There is 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 tones 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 mode.

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 radios is capable of voice activated (VOX) transmission. In VOX mode, the radio will transmit a signal when it pick 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 mode.

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 mode 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 Mode.

11.2 Sending a call tone

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

12.Key-Tone On/Off

When a button is pressed, the unit will beep briefly. To set the key-tone

- Press the MENU-button (11) five times, “to” will be displayed.
- Press ▲ to enable (ON) or ▼ disable the Key Tones (OF).
- Press the TALK-button (15) confirm your selection and return to the standby mode.

13.Roger Beep On/Off

After the TALK-button is released, the unit send out a roger beep to confirm that you have stopped talking. To set the Roger Beep.

- Press the MENU-button (11) six times, “ro” will be displayed.
- Press ▲ to enable (ON) ▼ disable the Key Tone (OF)
- Press the TALK-button (15) to confirm your selection and return to the standby mode.

14.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 one the LCD Screen. The same step to unlock the button.

Note: The PTT-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.

15. Display back light

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

16. 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.

17. 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.

18. 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

USA 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		

Canada Channel Frequency

CH. NO	CH. Freq.	ERP	CH. NO	CH. Freq.	ERP
1	462.5625	0.5W	12	467.6625	0.5W
2	462.5875	0.5W	13	467.6875	0.5W
3	462.6125	0.5W	14	467.7125	0.5W
4	462.6375	0.5W	15	462.5500	0.5W
5	462.6625	0.5W	16	462.5750	0.5W
6	462.6875	0.5W	17	462.6000	0.5W
7	462.7125	0.5W	18	462.6250	0.5W
8	467.5625	0.5W	19	462.6500	0.5W
9	467.5875	0.5W	20	462.6750	0.5W
10	467.6125	0.5W	21	462.7000	0.5W
11	467.6375	0.5W	22	462.7250	0.5W

Warnings:

Product safety and RF Exposure for two way radio:



Before using this two way radio, please read the manual which contains important operating instructions for safe usage, RF Energy Awareness, control information and operational instructions for compliance with RF Energy Exposure limits in applicable national and international standards, and also read the operational instructions for safe use.

SAR Test Method Description:

Test position and configuration Head SAR was performed with the device configured in the positions according to IEEE1528, 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.



WARNING

Antennas:

- 1)The antenna in the packing is unique, please do not optional change.
- 2)For safe operation, the antenna for the product shall be least 25mm away from your face, when speaking.
- 3)Switching to other antennas is prohibited and will affect the radio performance.
- 4)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.



WARNING

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 other 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 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.



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 onboard 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 air bag wiring. Do not place a portable radio in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a portable radio is placed in the air bag deployment area and the air bag inflates, the radio may be propelled with great force and cause serious injury to 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.



WARNING: CHOKING HAZARD – Small Parts. Not for children under 3 years.



Attention! RISQUE D'ÉTOUFFEMENT – Contient de petits éléments. Ne convient pas aux enfants de moins de 3 ans.



Advertencia: PELIGRO DE ASFIXIA – Contiene piezas pequeñas. No conveniente para niños menores de 3 años.



chtung: ERSTICKUNGSGEFAHR – Kleinteile. Nicht für Kinder unter 3 Jahren geeignet.



Waarschuwing: VERSTIKKINGSGEVAAR – Bevat kleine onderdelen. Niet geschikt voor kinderen jonger dan 3 jaar.



Attenzione: RISCHIO DI SOFFOCAMENTO – Contiene pezzi di piccole dimensioni. Non adatto a bambini di età inferiore a 3 anni.



Aviso: RISCO DE ASFIXIA – Peças pequenas. Produto não recomendado para crianças com menos de 3 anos.

Technical parameters(US)

Specifications(US)

1. Operating frequency: 462.5500~467.7125MHz
2. Output power: $\leq 0.5W$
3. Channels:22 FRS channels
4. Modulation type: F3E
5. Bandwidth: 12.5KHz
6. Antenna gain: 0 dBi

WARNINGS(US)



WARNING

Your Retevis radio is designed to comply with the following national and international standards and guidelines regarding exposure of human beings to radio frequency electromagnetic energy:

- United States Federal Communications Commission, Code of Federal Regulations: 47 CFR part 2.1093
- IEEE Std. 1528:2013 and KDB447498, Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.
- American National Standards Institute (ANSI)/Institute of Electrical & Electronic Engineers (IEEE) C95. 1-2005
- Institute of Electrical and Electronic Engineers (IEEE) C95.3-2002
- International Electrotechnical Commission IEC62209-2:2010

 **CAUTION**

This product is compliance to FCC RF Exposure requirements and refers to FCC website <https://apps.fcc.gov/oetcf/eas/reports/GenericSearch.cfm> search for FCC ID: 2AAR8RETEVISRT388 to gain further information include SAR Values.

 **WARNING****SAFETY INFORMATION**

Your wireless hand-held portable transceiver contains a low power transmitter. This product sends out radio frequency (RF) signals when the Push-to-Talk (PTT) button is pressed. The device is authorized to operate at a duty factor not to exceed 50%. In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless devices. To control your exposure and ensure compliance with the general population or uncontrolled environment exposure limits, transmit no more than 50% of the time. The radio generates measurable RF energy exposure only when transmitting.

 **WARNING**

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment and should not be made. To comply with FCC requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services. Replacement of any transmitter component (crystal, semiconductor, etc) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

Note: Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.



WARNING

Body-Worn Operation

To maintain compliance with FCC's RF exposure guidelines, for body-worn operation, this radio has been tested and meets the FCC RF exposure guidelines when used with Retevis Radio Corp. accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

If you wear the radio on your body when transmitting always use Retevis supplied or approved belt clip, holster, case, or body harness for this product.

If you do not use any accessories supplied or approved by Retevis, ensure the radio and its antenna are at least 1 inch (2.5cm) from your body when transmitting.

Technical parameters(CANADA)

Specifications(CANADA)

1. Operating frequency: 462.5500~467.7125MHz
2. Output power: $\leq 0.5W$
3. Channels: 22 GMRS/FRS channels
4. Modulation type: F3E
5. Bandwidth: 12.5KHz
6. Antenna gain: 0 dBi

WARNINGS(CANADA)



WARNING

This device complies with ISED licence-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.

Le présent appareil est conforme aux CNR d' ISEDC applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



CAUTION

Compliance with RF Exposure Standards

Your Retevis radio is designed to comply with the following national and international standards and guidelines regarding exposure of human beings to radio frequency electromagnetic energy:

- American National Standards Institute (ANSI)/Institute of Electrical & Electronic Engineers (IEEE) C95. 1.
- IEEE Std. 1528:2013 and KDB447498, Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.
- Ministry of Health (Canada) Safety Code 6 & RSS-102.
- International Commission on Non-Ionizing Radiation Protection (ICNIRP).e.
- International Electrotechnical Commission IEC62209-2:2010



CAUTION

Radiation Exposure Statement

This EUT is compliance with SAR for general population/uncontrolled exposure limits in RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209, this equipment should be installed and operated with minimum distance 1 cm between the radiator and your body. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet appareil est conforme aux limites d'exposition DAS incontrôlées pour la

population générale de la norme CNR-102 d'ISED et a été testée en conformité avec les méthodes de mesure et procédures spécifiées dans IEEE 1528 et IEC 62209.

Cet appareil doit être installé et utilisé avec une distance minimale de 1 cm entre l'émetteur et votre corps. Cet appareil et sa ou ses antennes ne doivent pas être co-localisés ou fonctionner en conjonction avec tout autre antenne ou transmetteur.



CAUTION

Transmit and Receive Procedure

Your two-way radio contains a transmitter and a receiver. To control your exposure and ensure compliance with the general population/uncontrolled environment exposure limits, always adhere to the following procedure:

- Transmit no more than 50% of the time.
- To receive calls, release the PTT button.
- To transmit (talk), press the Push-to-Talk (PTT) button in front of the face.
- Hold the radio in a vertical position with the microphone (and other parts of the radio including the antenna) at least one inch (2.5 centimeters) away from the nose or lips. Keeping the radio at a proper distance is important to ensure compliance.

Note: RF exposure decreases with increasing distance from the antenna.



CAUTION

Please refer to the following websites and Guidance documents for more information on what RF energy exposure is and how to control your exposure to assure compliance with established RF exposure limits: RSS-102, Safety Code 6 and www.who.int/en/.