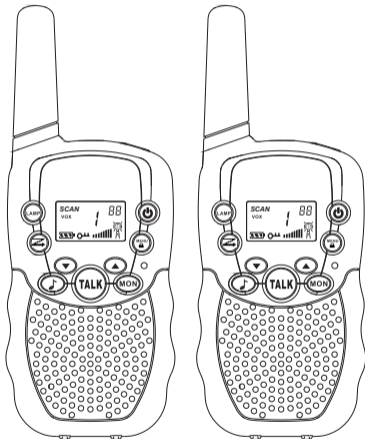


# RETCV IS



US

## **RT388** **Kids Walkie Talkie** **User's Guide**



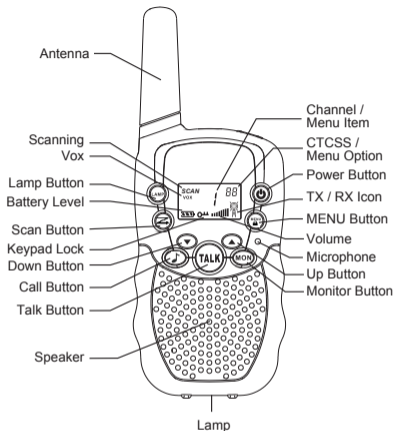
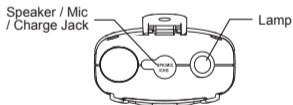
Read this operating instruction carefully before using your Retevis RT388 two way radio, including the part on Product Safety and RF Energy Exposure Compliance

## Product Inspection

Before initial use, please check if the product inside the box is in good condition or not. If there are any signs of damage or missing parts, please feel free to contact the carrier or seller.

Item Included	Quantity(Pcs)
Walkie Talkie	2
Belt Clip	2
User's Guide	1

## Radio Parts and Controls



## Product Features



### Each unit takes 4 AAA batteries

Batteries are not included in the package. You need to prepare batteries first to get the units work, and we recommend you always using high quality AAA Alkaline batteries.

### **Belt Clip**

Kids can clip the units to their pocket or elsewhere while they are on the go.

### **Call Tone Button**

By pressing button , you can inform other radio users in your group that you want to talk or have finished talking. When button  is pressed, a tone would be transmitted.

### **LCD Display**

Various information accessible at one glance, including channel number, CTCSS code, volume level and other status of the radio.


### **On/Off Power Button**

Press and hold this button  to turn on/off the radio.

### **Lamp Button**

By pressing "LAMP" button to turn on/off the flashlight. Convenient for those who use the radio at night.

### **Scan Button**

Press button  to detect channels with activities or stop scanning.

### **MENU/ Button**

Switch on/off the functions you want to start or stop. You can also lock the channel by this button.

### **Monitor Button**

Enable you to continuously monitor weak signals.

### **Talk Button**

Press and hold this button to talk and let go to listen.

### **Up and Down Key**

To select channels, set CTCSS code, adjust volume level, listening volume and other usage.

### **Speaker/Mic/Charger Jack**

You can use the unit with external speaker/ Mic, or give the unit a charge through this jack.

## **Product Features**

<b>TECHNICAL PARAMETERS</b>	
Product number	RT388
Frequency range	FRS
Channel number	22
Channel spacing	12.5KHz
Working voltage	4.8V
Frequency stability	±2.5ppm
Operating temperature range	-20 °C ~50 °C
The antenna impedance	50Ω
Overall dimensions	140*55*28mm
Weight	79g
<b>TRANSMITTER</b>	
Rf power	0.5W
Modulation method	11kΦF3E
Noise and harmonic	<-40dB
Residual Radiation	≤-35dB
Modulation distortion	≤7%
Maximum deviation	≤±5KHz

RECEIVER	
The sensitivity	≤0.2uV
Modulation receiver bandwidth	±5KHz
Adjacent selective	≥40dB
Intermodulation interference resistance	≥35dB
Spurious response inhibition	≥70dB
Audio output power	≥300mW
Audio distortion	≤8%

## Product Features

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

## Installation

### How to assemble and remove the belt clip

Slide the clip into the slot on the back of the radio until it is snapped into place.

#### -To remove

Gently pull the lock tab, and then push up the belt clip to remove it from the radio.

### How to install or replace batteries

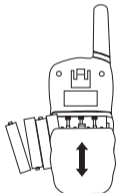
Make sure the radio is turned off;  
Remove the belt clip;  
Slide and lift the battery compartment cover;  
Insert 4 AAA batteries with correct polarity into per radio;  
Close the battery cover and attach the belt clip.  
(Note: Please remove the batteries if the units are not used for a long time)

### How to attach the strap to the belt clip

Thread the strap through the hole on the belt clip;  
Thread the other end of the strap through the string,  
then pull it to secure (See Pic 3).



Pic 1




Pic 2

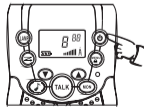


Pic 3


## Operation

### Turning on the radio

Press and hold button  for three seconds. A short audible beep and a display of the LCD screen shows that the radio is on.

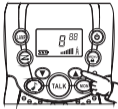


### Turning off the radio

Press and hold  until an audible beep is heard and the screen disappears.

### Adjusting volume level

Use the up/down key to increase or decrease the volume. And you can always find the volume level indicator in the lower right corner of the screen.




### Receiving

The radio is ready to receive signals when it is tuned to the channel that has the same frequency and CTCSS code as the one that is transmitting. To receive signals, you also need to leave this very radio's TALK button untouched. When signals have been received on the current channel, RX icon will appear in the lower right corner of the screen.

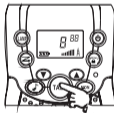
### Transmitting

Press and hold "TALK" button to talk to another person. Release the button for response.


TX Icon  will appear in the lower right corner of the screen when radio is transmitting.

To get maximum clarity, please speak directly to the microphone and hold the mic 2 inches from your mouth.

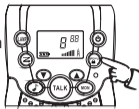
Note: RT388 can only work together when the units are tuned to the same channel and have the same CTCSS code on that channel.



### Channel Lock

Press and hold MENU button until icon  appears on the screen, which indicates that the radio is locked to the current channel, namely, you cannot switch it to another channel under this status.

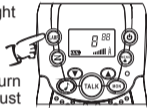
To unlock the channel lock function, press MENU button again for about 2 seconds.



### Flashlight

The radio is equipped with flashlight function, which will bring a lot of convenience in the dark.

Press "LAMP" button to turn the flashlight on. And the process to turn it off is the same as turning it on, just press "LAMP" button, that's it.



### Select Channel

These units have 22 Channels available for US and Canada market.

To select any among the 22, you need press MENU button once, then the channel number on the screen will blink;

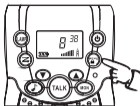
Using up/down key to select the channel you want to communicate on;

Press TALK button to choose the desired channel and return to normal mode. Or press MENU button to confirm the channel and go to set CTCSS code.

### Set CTCSS Code

Within a channel, you can partly avoid interference from other radios by setting CTCSS code (01-38) while code 00 refers to no privacy code is selected. To select any among the 38, you need press MENU button twice, then the CTCSS code on the screen will blink; Using up/down key to select the code; Press TALK button to confirm the desired code and go back to normal mode.

Note: RT388 can only work together when the units are tuned to the same channel and have the same CTCSS code on that channel.



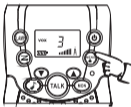
### VOX for Hands-free

When VOX is activated, there is no need to press TALK button to talk. Tap MENU button three times, then "VOX" and VOX sensitivity level (OF,01,02,03) will be displayed on the screen.

You can adjust VOX sensitivity level by pressing up/down key.

Note: OF means VOX function is inactivated; 03 is the highest sensitivity setting and 01 the lowest.

Therefore, level 03 is recommended when the radio is used in quiet surroundings and 01 for noisy environment.



### Select Call Tone

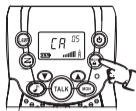
To inform other radio users in your group that you want to talk or you have finished talking by transmitting a

tone to their radios.

Press MENU button four times, then "CA" and call tone number (01, 02, 03, 04, 05, 06, 07, 08, 09, 10) will blink on the screen; Using up/down key to select the tone you prefer;


Press TALK button to confirm the desired tone and go back to normal mode.


As to how to send the desired call tone to another party, please go and check "Call another party" on Page.



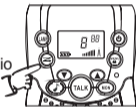
### Channel Scan

Convenient to detect channels with activities.


When button  is tapped, the radio will automatically scan for channels with activities. The scanning will stop when channels with activities are found, and the radio will play what it detects on that channel.

To continue the scan, just press button .

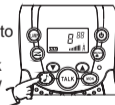
Note: When a channel with activities is detected, you can join the conversation and back away from the scan by pressing TALK button.



### Call Another Party

Press button  to transmit a call tone to other radios in your group so that they can be prepared when you want to talk or you have finished talking. (See how to select call tone on Page)

Note: Another party can only receive the call tone when the following requirements are met at the same time.



- 1.The receiving unit is on the same channel and shares the same CTCSS code as the unit that sends the call tone;
2. The receiving unit is within the communication range.

### Monitor

To receive weak signals from other radios in your group, all you need to do is press MON button.

If you want to continue the monitoring, please press MON button for at least 3 seconds. And press MON button again to stop.



### Battery Level Indicator

Displayed in the lower left corner of the screen, convenient to know how much battery power is remained.

When the indicator on the screen blinks, it means that the batteries need to be changed(when using regular AAA batteries) or charged(when using NiMH rechargeable batteries).

### External Headset/Microphone Jack

The unit support external headset connection. To talk or listen through an external earpiece, you need to remove the rubber hole cap at the top of the unit, insert the favorable/suitable headphone plug into the accessory jack, and then put on your earpiece.



### Charging(Optional)

If you want the units to be rechargeable, please use rechargeable AAA batteries (not included).

Then you can charge the units by plugging the charger(not included)'s connector into the accessory jack and then connect the other end of the charger to a general socket or somewhere else alike.



Below is information on specially designated charger and rechargeable AAA batteries.

### Note

When external earpiece is applied Please adjust volume level accordingly.

Turn the radio off immediately if your ears feel uncomfortable or itchy with headsets on.

Don't use the units in places that might cause explosion or fire

Such as gas stations, unshielded electrical installations and other unsafe places.

### Simple Maintenance Tips

Gently wipe the dust or dirt off with a dry soft clean cloth. Don't use any cleaning chemicals, as they can damage the units.

When the radio is dropped into water, turn it off immediately. Dry the outside of the radio with a clean and soft cloth. Remove batteries and dry them, too. Put the unit in a cool dry place to dry out all moisture.

In case that any other problem or malfunction occurs during your use, please don't disassemble the radio's circuit or hardware by yourself. You are welcome to send the unit back to the seller or contact our customer service for help.

## Troubleshooting

1. Couldn't turn the units on
  - A. Check if batteries are installed properly;
  - B. Check if batteries need to be changed (when using regular batteries), or charged (when using NiMH batteries)
2. When reception or transmission is poor,
  - A. Increasing volume level; Pressing Mon button to receive weak signals
  - B. Check battery level

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## Annex I

### 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 WALKIE TALKIE**



**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 walkie talkie 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 walkie talkie 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 walkie talkie. 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 walkie talkie 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 walkie talkie 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 two 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 walkie talkie 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.

#### **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 walkie talkie 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 Commission 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 Burns

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 (flammable 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 15cm 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**

#### **- 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>



## Shenzhen Retevis Technology Co.,Ltd

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Facebook : [facebook.com/retevis](https://facebook.com/retevis)



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