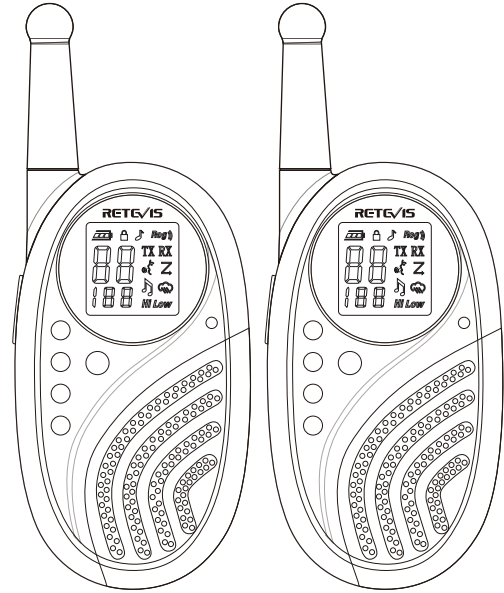


RETEVIS



Shenzhen Retevis Technology Co.,Ltd

7/F, 13-C, Zhonghaixin Science&Technology Park, No.12 Ganli

6th Road, Buji Street, Longgang District, Shenzhen, China

Web: www.retevis.com

E-mail: kam@retevis.com

Facebook: facebook.com/retevis



MADE IN CHINA

RT35

Walkie Talkies

User's manual

Model RT35

Precautions

This unit conforms to telecommunications management standards, please observe the following rules when using.

1. When Using this machine, you should not cause harmful interference and must accept any received signal.
2. Any operation without permission is illegal, and maybe violet the telecommunications management standards. Such as: change the frequency, change the transmit power, extend the antenna, and so on.
3. This machine cannot be used in a hazardous environment, because it may cause an explosion or fire. The hazardous environment include: gas stations, hospitals, airports, the place without electrical shielding and so on.
4. Do not use soft cloth with detergent or solvent to wipe or clean the machine, use the dry, acid-free soft cloth only.
5. In order to ensure the best voice quality, please keep 5cm distance between your mouth and the machine and use your normal voice intensity. To get a better voice quality, please turn the antenna upward.
6. The battery of this machine has an internal protect function.

Battery Usage

The mini walkie-talkie built-in lithium ion battery. The fittings include USB charger that can charge the lithium battery, the charging method is as follows:

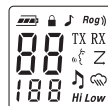
1. The charging jack is at the right side of the machine.
2. Connect the USB charger to a standard power socket.
3. Then connect the USB charger to the charging jack or headphone jack. During charging, the battery indicator will be cycle moving. And when charging complete, the cycle moving will be stopped.

Preface

Welcome to use this mini walkie-talkie, please read this user manual carefully in order to understand all the operating function.

Walkie talkie	2
Battery	2
Clip	2
Double connector USB line	1
User's Manual	1

Menu Mode LCD Instructions



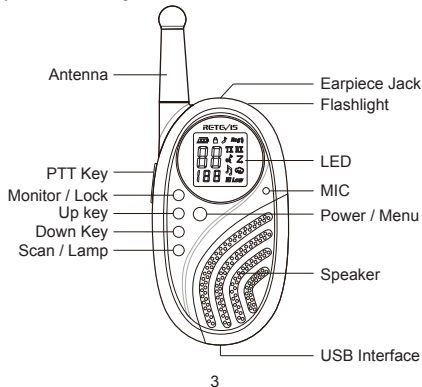
indicator	name	content
	Channel / Programming / Clock / Volume / Level	Channel programming / clock / volume level. When the volume level is displayed in the number of standby Press up or down key
	CTCSS / DCS Programming / Volume	When the minutes standby, press PPT key to display after the current CTCSS / DCS programming number. Standby display the volume indication press up key or down key.
	Battery Power Display	Show the number of cells, the more power the more power high power low battery
	Key Lock	Press and hold the button for two seconds to activate the button lock mode
	Call Tone	A call tone alerts others that you want to start talking
Rog))	roger beep	After the PTT is released the unit send out a roger beep to confirm that you have stopped talking to set the roger beep
TX	Transmit Icon	Display when transmitting
RX	Receive Icon	Display when receiving
	Hands - free Instructions	Display when the unit is in the VOX mode of operation.
Z	Scanning Instructions	Display when the walkie-talkie under scan function.
	Key Tone	When a button is pressed the unit will beep briefly to set the key-tong
	Weather Alert	Radio can be set to respond to NOAA Weather Radio
Hi	High power	The walkie talkie works in high power mode
Low	Low power	The walkie talkie works in low power mode

ITEM DESCRIPTION

Number	Name	Description
1	Power/Menu Button	Long press this button can open / close radio; short press to enter the radio function setting.
2	PTT key	Press and hold this button to transmit information quickly press twice to send calling sound.
4	Up key	Use this button to adjust volume or function setting choosing.
5	Down key	Use this button to adjust volume or function setting choosing.
6	Scan/Lampe	Long press to enter the scanning channel, short press to enter the illumination.
7	Monitor/ Lock button	Long press to enter the inter-lock, short press enter monitor function.
8	MIC	Built-in microphone.
9	Speaker	Built-in speaker.
10	Antenna	Enhanced signal reception and emission.
11	USB Interface	It is a walkie-talkie charging interface.
12	Earpiece Jack	It is a walkie-talkie headset jack.
13	Flashlight	It is a walkie-talkie lights.
14	LED	It is a walkie-talkie LED.

Notice:

This radio come with a dedicated charger. To avoid damage your radio and lithium ion batteries, please do not use other chargers. Please do not transmit when charging. The new battery should be charger around 12hours when use it first time..




3

The Main Features of Walkie-talkie

1. A plurality of selectable channels.
2. Auto matic squelch.
3. Auto save power.
4. It has an internal voice intercom (speakerphone) function.
5. Having a channel scan function.
6. VOX.
7. Alarm reminders appear.
8. Backlit display.
9. Use RT35/BL-5B lithium batteries

Battery Low Power Tips

When the unit is low battery in the talk mode and standby mode, power indication  start Flashes. Remind you to recharge.

Using the Walkie-talkies

1. Press the Power / Menu button to access the function settings. Activated icon will begin blinking. Press repeatedly this button, explore other menu functions until back to the intercom mode. Every time you press the Power / Menu button, the function or icon will show on the screen.
2. After activate a function icon, press the up or down key to select menu options.
3. Press PTT-button to save and back to standby.

Select Channel

1. When the radio is Standby, press the Power / Menu button again until the current channel starts flashing on the LCD screen, you can change the Channel.
2. Press the up or down key to select the channel number.
3. Press the Power / Menu button to save the settings and return to the receiving status.
4. Press the PTT-button to save and return to the receiving status.

CTCSS/DCS

Select CTCSS/DCS which allows you to receive calls from members of the same group (same mute code) issued, avoiding the same frequency interference from other users. Note: CTCSS / DCS cannot make your talking content keep secret, it can only make you unable to receive calls from other CTCSS / DCS users.

1. When standby, press the Power / Menu button twice, until the mute code of current channel starts flashing, thus you can reset status of CTCSS/DCS. Press the up key or down key to select the privacy code. Long press the up key or down key to select the privacy code quickly.
2. Press the PTT / CALL to save the settings. Or press the power / menu button to enter next function option.

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Channel Scan

Scan function lets you scan all channels occupancy.

1. When standby, press the Scan button to activate scan function, the machine starts to scan all channel activities, when there are voices in scanned channel, it will stay 4~5s in this channel, then continue to scan next channel.)
2. Press the Scan button to exit the channel scan.

Transmission and Reception

1. On receiving status once power on.
2. Press the PTT key, and use the normal voice to speak, there should be 5 cm between mouth and microphone.
3. After speaking, release the speaking PTT key, the machine is in the receiving status.


Adjust the Volume

This machine has eight adjustable volume. Press the up or down key to adjust the volume when the walkie talkie is under standby.

Call Tone

This machine has 10 call alerts sound available.

Call Tone Setting



1. When Standby, repeatedly press the Power / Menu key to call setting  on the LCD screen.
2. Press the up or down key to select a call tone.
3. Press the Power / Menu button to save the settings and then enter other function setting, or press PTT key to save and return to standby.

Send Call Alerts Sound

1. When you need to send call alerts, press the PTT key twice quickly, Call alarm will be send automatically.
2. When call alerts sound transmit complete, you can hear a short confirmation sound, the unit will be back to radio standby status.

Hands-free function

The machine is equipped with hands-free function, no need to press PTT key, it can automatically send voice.

1. When Standby, repeatedly press the Power / Menu button until the LCD hands-free function label  appears.
2. Press the up or down key to switch hands-free on / off function, alternately shows "OF, 1,2,3,4,5". Appears on the display Hands-free indicator . (OF: close hands-free function; 1: noisy environments; 2: under normal circumstances use; 3-5: quiet environments)

Use Earplugs (optional)

1. The walkie-talkie is set to non-hands-free mode.
2. Open the headset/charger jack on the side of the machine. Insert the headset. adjust the microphone position

Automatic Power Saving Feature

The machine is equipped with a unique circuit that can extend battery life. If you do not receive any signal transmission within 5 seconds, it will automatically switch to energy-saving mode, in this mode, you can still receive the signal)

Automatic Squelch

The machine has automatic squelch function, provide high-quality voice effects, you can hear more clearly.

Backlit Display

Press any key, the LCD backlight is automatically displayed for five seconds.

Key Tone

1. Standby, press the Power / Menu button seven times press up key or down key to select turn on or turn off the key tone..
2. Press PTT key to save.

Channel Frequency

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

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

Malfunction and Troubleshooting

Malfunction	Troubleshooting
No power supply	<ol style="list-style-type: none"> 1. The battery may be low. 2. Use the special charger to charge the battery. 3. Battery may be damaged, replacement of the lithium-ionbattery.
Received signal Poor	<ol style="list-style-type: none"> 1. Press the up key to increase the volume. 2. The received signal may be weak signal, otherwise out of range. 3. Check the antenna. For getting the best call quality, make the antenna up.
We cannot change the channel	<ol style="list-style-type: none"> 1. When you at channel mode, press the power / menu button until the channel number flashes up on the screen. 2. Press the up or down key to change the channel. 3. The battery may be low.
Reception range limited, sound distortion.	<ol style="list-style-type: none"> 1. The battery may be low. If indicate low battery, recharge the battery. 2. Effective reception range affect by terrain and environmental . 3. Check the antenna. For getting the best call quality, make the antenna up. 4. the reception range of the car will be seriously affected by Shade trees, the plant building.
	<ol style="list-style-type: none"> 6. When transmit a signal, keep 5 cm distance between the mouth and the microphone, speak in a normal voice. 7. When receiving signal, adjust the volume level. 8. The caller should maintain a minimum distance of 3 meters, even father. 9. If far away between caller and respondent, obstacle will be affect the signal transmission. If there noobstacle, communicate range can reach to 3km.

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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 WALKIE TALKIE



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. RF energy, which when used improperly, can cause biological damage.

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, business two-way radios operate on radio frequencies that are regulated by the local radio management departments (FCC, ISED, OFCOM, ANFR, BFTK, Bundesnetzagentur...). To transmit on these frequencies, you are required to have a license issued by them. The detailed classification and the use of your two radios, please contact the local government radio management departments. Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

Unauthorized modification and adjustment

Changes or modifications not expressly approved by the party responsible for compliance may void the user's authority granted by the local government radio management departments to operate this radio and should not be made. To comply with the corresponding 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 local government radio management departments equipment authorization for this radio could violate the rules.

FCC Requirements:

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference. (Licensed radios are applicable); This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (Other devices are applicable)

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

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CE Requirements:

- (Simple EU declaration of conformity) Shenzhen Retevis Technology Co., Ltd. declares that the radio equipment type is in compliance with the essential requirements and other relevant provisions of 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.
- Restriction Information
This product can be used in EU countries and regions, including: Belgium (BE), Bulgaria (BG), Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE),

Greece (EL), Spain (ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania (LT), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE) and United Kingdom (UK).

For the warning information of the frequency restriction, please refer to the package or manual section.

• Disposal

The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that in the European Union, all electrical and electronic products, batteries, and accumulators (rechargeable batteries) must be taken to designated collection locations at the end of their working life. Do not dispose of these products as unsorted municipal waste. Dispose of them according to the laws in your area.



IC Requirements:

Licence-exempt radio apparatus

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (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'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

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

RF Exposure Information

- DO NOT operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio, and the antenna gain shall not exceed the specified gain by the manufacturer declared.
- DO NOT transmit for more than 50% of total radio use time, more than 50% of the time can cause RF exposure compliance requirements to be exceeded.
- During transmissions, your radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so.
- DO NOT operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.
- Portable Device, this transmitter may operate with the antenna(s) documented in this filing in Push-to-Talk and body-worn configurations. RF exposure compliance is limited to the specific belt-clip and accessory configurations as documented in this filing and the separation distance between user and the device or its antenna shall be at least 2.5 cm.
- Mobile Device, during operation, the separation distance between user and the antenna subjects to actual regulations, this separation distance will ensure that there is sufficient distance from a properly installed externally-mounted antenna to satisfy the RF exposure

requirements.

- Occupational/Controlled Radio, this radio is designed for and classified as "Occupational /Controlled Use Only", meaning it must be used only during the course of employment by individuals aware of the hazards, and the ways to minimize such hazards; NOT intended for use in a General population/uncontrolled environment.
- General population/uncontrolled Radio, this radio is designed for and classified as "General population/uncontrolled Use".

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 RF exposure limits.

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 (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.

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
- Use careful with the earphone maybe possible excessive sound pressure from earphones and headphones can cause hearing loss.



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.
- The adapter shall be installed near the equipment and shall be easily accessible

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>