

◇◇ FUNCTION OPERATIONS

②

CH+

CH-

③

⑤

🔒

FM

🔘

⑥

④

VOL+

VOL-

①

1. Long press the power key for 2 seconds to turn on/turn off the radio.

2. CH+/CH-: it is the regulating channel.long press[CH+]for 2 seconds to enter the monitor mode, release to quit; long press [CH-]for 2 seconds to enter the scan state,operate again to exit.

3.VOL+/VOL-: the volume has a total of 8 levels. long press [VOL+]for 2 seconds to turn on /off the VOX function (firstly it needs to set the VOX function open by the software).

4.PTT: while pressing the PTT launch button, keeping the microphone 3-8cm away from the mouth.

5.LOCK: long press for 2 seconds to lock the keyboard, operate again to unlock.

6. FM: turn on the radio, press[CH+]/[CH-]to search the radio frequency automatically.

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◇◇ OPTIONAL FUNCTIONS

Scanning

It is convenient for the user to search for calls from other channels.Long press 【 CH – 】 for 2 seconds to enter the scan state,operate again to exit(note: if there are less than 2 channels, it can not scan,it can be set by software).

Monitoring

Long press 【 CH+ 】 to enter the monitor mode, release to quit.

VOX

VOX is a function that voice can be launched without pressing the PTT key.Long press 【 VOL + 】 for 2 seconds to turn on /off the VOX function (firstly it needs to set the VOX function open by the software).

Chinese/English Voice Prompt

The radio has a manual switching function between the Chinese and the English.Switch to channel 16, turn off the radio, and then press the power key and CH+ key at the same time,turn on the radio to switch between the Chinese and English.

FM Radio

Press the FM key to turn on the radio, and then press[CH+]/[CH-] to search the radio frequency automatically.

Keyboard Lockout

Long press the keylock for 2 seconds to lock the keyboard,operate

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◇◇ OPTIONAL FUNCTIONS

it again to unlock.

Time Out Timer(TOT)

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

Busy Channel Lockout

The function can prevent interfering other intercom calls from the same channel,it needs to be set up by the software.

High-Low Power

The radio has a high-low power selection.

Battery Power Saving

The radio would reduce its power consumption if there is no signal or no operation.When the channel is unoccupied or no operated,the battery power-saving function is activated. When signal is received or with operation,the battery saving function would be off automatically.

Low Battery Warning

If the battery power falls to the predetermined value during transmission, the radio will send out a voice prompt. Please replace the battery or charge it!

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◇◇ OPTIONAL FUNCTIONS

Companding

It is a function setting which prevents the inter-channel interference.

CTCSS/DCS

The radio has 50 CTCSS and 208 DCS,also non-standard subaudio can be set!

CDCSS Mode

It is valid only when you set the CDCSS on the channels. This function has two selections: "normal signaling" and "special signaling". Normal Signaling refers to the CDCSS codes on the channels is ordinary codes, we can talk to each other with the same CDCSS; Special Signaling refers to the CDCSS codes on the channels is special processed codes,when the radios in one company are set the same frequency with the same CDCSS and while setting a special signaling, they can avoid the signal interferences from the other companies' radios.

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CE

FCC

UK

RoHS

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Made in China

◇◇ TECHNICAL PARAMETERS

SPECIFICATIONS	
Frequency Range	FRS
Supply Power	DC3.7V
Memory Channel	16
Antenna Configuration	Integrated Antenna
Work Mode	Simplex
Ground Method	Cathode
Dimension	89×51×15mm
TRANSMITTER	
Output Power	2W/0.5W
Modulation Mode	F3E
Max.Frequency Deviation	≤± 2.5KHz
Sparious Radiation	≤7.5μW
Preemphasis Character	Per Octave 6dB
Emission Current	≤1000mA
RECEIVER	
Sensitivity	<0.16uV(12dB SINAD)
Audio Power	≥300mW
Audio Distortion	≤5%
Intermodulation Interference Resistance	>60dB
Receiving Current	≤300mA
Standby Current	≤20mA

■We May Change The Specifications For Technical Improvement Without Prior Notice.

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◇◇ TECHNICAL PARAMETERS

Warning

NOTICE

RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE
Before using this device, please read this guide which contains important operating instructions for safe usage, control information and operational instructions for compliance with RF Energy Exposure limits in applicable national and international standards.
User's instructions should accompany the device when transferred to other users.
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.

• This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(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

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the limits for a Class B digital device. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

Licence-exempt radio apparatus

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◇◇ Warning their working life. Do not dispose of these products as unsorted municipal waste. Dispose of them according to the laws and rules in your area.lug 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. 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/ Transmit no more than the rated duty factor 50% of the time. Transmitting necessary information or less, is important because the radio generates measurable RF energy exposure only when transmitting in terms of measuring for standards compliance. For users who wish to further reduce their exposure, some effective measures to reduce RF exposure include: Reduce the amount of time spent using your wireless device. Use a speakerphone, earpiece, headset, or other hands-free accessory to reduce proximity to the head (and thus head exposure). While wired earpieces may conduct some energy to the head and wireless earpieces also emit a small amount of RF energy, both wired and wireless earpieces remove the greatest source of RF energy (handheld device) from proximity to the head and thus can greatly reduce total exposure to the head. Increase the distance between wireless devices and your body. This radio is designed for and classified as “General population/un-controlled use”. General population/uncontrolled environments 08	◇◇ Warning are defined as locations where there is exposure of individuals who have no knowledge or control of RF exposure level. Hand-held Mode To control your exposure and ensure compliance with the controlled environment exposure limits, always adhere to the following procedure: -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.  Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility. 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, such as hospitals or healthcare facilities. Persons with pacemakers, implantable cardioverter defibrillators (ICDs) or other active implantable medical devices 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 the body from 09	◇◇ Warning RF energy. Your physician may be able to assist you in obtaining this information. - Turn off your radio prior to entering any area with a potentially hazardous or explosive atmosphere. Only radio types that are especially qualified should be used in such areas as “Intrinsically Safe”. Note: the areas with potentially explosive atmosphere referred to above include blasting caps, blasting areas, inflammable gas, dust particles, metallic powders, grain powders, 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. - Turn off your Radiocommunication device when taking on fuel or parked at gasoline service stations. - 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. - Do not use any radio that has a damaged antenna. If a damaged antenna comes into contact with the skin when the radio is in use, a burn can result. - Turn off your radio before removing or installing accessories. - When the transceiver is used for long transmissions, the radiator and chassis will become hot.   10	◇◇ Warning Protect your hearing Use of Communication Devices While Driving • Always check the laws and regulations on the use of radios in the areas where you drive. Use of Communication Devices, for example, mobile radio, may not be allowed.  - 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. - Do not place a portable radio in the area over an air bag or in the airbag deployment area. The radio may be propelled with great force and cause serious injury to occupants of the vehicle when the airbag inflates. - Use the lowest volume necessary to do your job. Turn up the volume only if you are in noisy surroundings. - 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 carefully with the earphone maybe possible excessive sound pressure from earphones and headphones can cause hearing loss. CAUTION: 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. - WARNING: KEEP NEW OR OLD USED BATTERIES OUT OF REACH OF CHILDREN. - In the event of a battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice 11
◇◇ Warning immediately. - Since batteries are sensitive to high temperatures when storing them, keep them in a cool and dry place. The recommended temperature should be between +10 °Cand +25°Cand never exceed +30°C. Batteries should therefore not be stored next to radiators or boilers nor in direct sunlight. Extremes of humidity (below 35% and above 95% relative humidity for sustained periods should be avoided since they are detrimental to both batteries and packing. Although the storage life of batteries at room temperature is good, storage is improved at lower temperatures provided special precautions are taken. Also, accelerated warming is harmful. Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas; A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas. - Turn off your radio before removing or installing a battery. Store spare batteries securely.  Dispose of used batteries immediately and safely. - The battery supply terminals are not to be short-circuit. - Do not replace the battery in any area labeled "Hazardous Atmosphere". Any sparks created in a potentially explosive atmosphere can cause explosion or fire. - When the conductive material such as jewelry, keys or chains touches 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; - Dirty battery contacts need to be wiped with clean dry cloth, both on the battery and in the appliance. 12	◇◇ Warning - Batteries should be removed from the appliance when not being used for long periods of time (1 months). The batteries should be enclosed in special protective packaging (such as sealed plastic bags or variants) which should be retained to protect them from condensation during the time they are warming to ambient temperature. - Exhausted batteries are to be removed from the equipment. - Do not dismantle, open or shred batteries. Batteries should be dismantled only by trained people. - Disposal of a battery into fire, or a hot oven, or mechanically crushing or cutting of a battery, that can result in explosion; - Rechargeable batteries are only to be charged by adults or by children at least 8 years old under adult supervision. WARINING:CHOKING HAZARD-Small Parts. Not suitable for children under 3 years old.  - The plug of the adapter is considered a disconnect device. The socket-outlet shall be installed near the equipment and shall be easily accessible. - Contact Retevis for assistance regarding repairs and service. - For a list of Retevis-approved accessories for your radio model, visit the website: http://www.Retevis.com 13	说明书要求 印刷：封面和内页黑白印刷 装订：折页 纸张材质：普通印刷纸 折页展开尺寸：316*195mm 折页折叠尺寸：79*97.5 本页无需印刷	