Manuals+ — User Manuals Simplified.

RETEVIS P2 Two Way Radio

RETEVIS P2 Two Way Radio User Manual

Contents

RETEVIS

RETEVIS P2 Two Way Radio

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Main Functions

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USING TIPS

Please read the following brief instructions, non-compliance with these rules may cause danger or violate the law.

- Obey the local government regulation before using this radio, improper use may violate the law and be punished.
- Turn off the radio before entering flammable or explosive areas.
- Do not charge or change the battery in flammable or explosive areas.
- Turn off the radio before getting close to the blasting zone or detonator areas.
- Do not use radio whose antenna is damaged, touching of damaged antenna will cause heat injury.
- Do not attempt to disassemble the radio; the maintenance work should be done by technical experts only.
- To avoid troubles caused by electromagnetic interference or electromagnetic compatibility, please turn off the radio in places where have
- the banner "Do not use wireless equipment", such as hospitals and other healthcare places.
- In the car with an airbag, do not put the radio within the scope of the airbag deployment.
- Do not store the radio under the direct sunshine or in hot areas.
- When you transmit with the radio, keep away from its antenna at least 5cm.
- If the radio appears smelly or smoke, please shut off its power immediately and contact your local dealer. Do not transmit too long, otherwise, the radio may heat and hurt the user.

CHARGING BATTERY PACK

Charging Precaution
The supplied battery pack of this radio is a high-performance Li-ion with 7.4V standard voltage 2500mAh high capacity in a very compact package. Under normal use, the battery pack may be used for approximately 300 charge cycles and more, after which operating time may be expected to decrease. If you have an old battery pack which is displaying capacity which has become diminished, you should replace the battery pack with a new one.

Notice:

- please do not short-circuit the battery terminals or expose them on fire. Do not disassemble the battery unauthorized.
- Charge the battery between temperature 10°C and 45°C. The battery can not be normally charged beyond this temperature range. Please turn off the transceiver when you charge it.
- Transmitting with the transceiver in charge will affect its normal charge.
- Do not unplug the Power Adapter or battery when it is charged.
- If the battery pack lasts shortly even if it is full of power, it shows that the battery is depleted, please change the battery pack. Please do not charge when the battery or the radio is wet. Please dry it with a cloth before charging to avoid any danger.

Warning: when the conductive metals touch the battery terminals, such as jewelry, key or decorative chains, all the batteries are likely to cause damage to the items or cause personal injury. These conductive metals may form a short circuit and generate a heat. Deal with any battery carefully, especially when putting it into pocket, wallet or other metallic containers.

Charging Operation
After installing the battery pack, if the radio does not turn on , it means that the battery pack is out of power, Please charge it when it is power off.The indicator light of charger will show charging condition.

| Indicator Display	Status
Red	Charging
Green	Completed

Battery Tips:

- The battery is not fully charged in the factory, please charge the battery before using it.
- Charge and discharge the battery twice or three times, the battery capacity will reach the best condition. When the battery capacity is low, please charge or change the battery.
- The battery lasts shortly even if it is fully charged. The battery is depleted, please contact your local dealer to buy a new authentic battery.
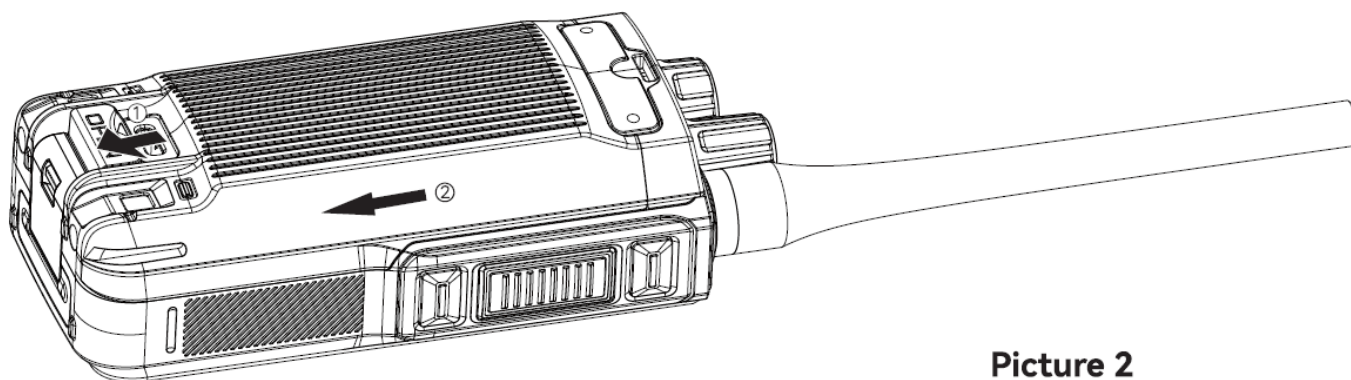
INSTALLATION OF ACCESSORIES

Battery Pack Installation
To install the battery into the battery positioning hole of the radio bottom, press the battery and make the button completely to lock the battery. To remove the battery, please turn off the radio and then push up the battery button on the radio top, and finally remove the battery.
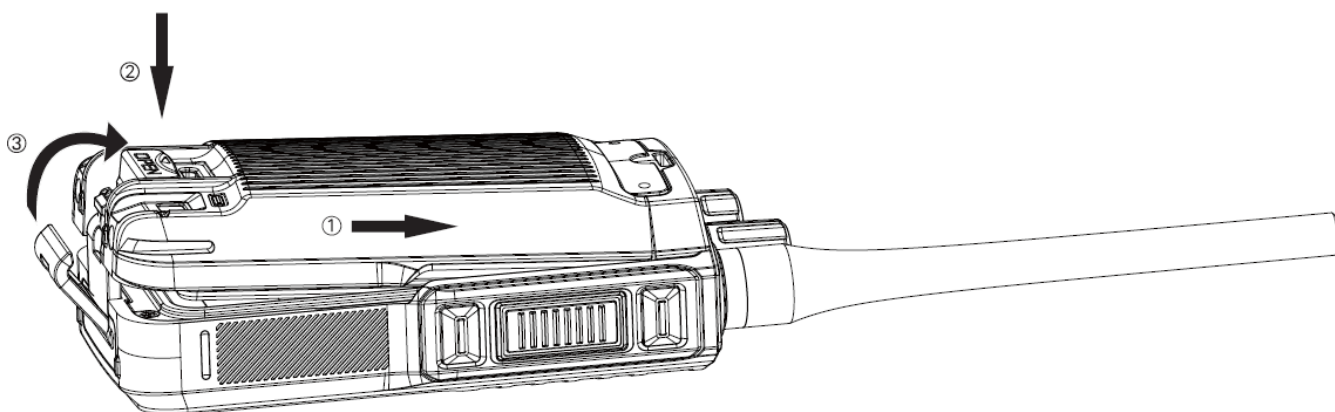
Picture 1

Picture 2

Install and Remove the antenna

1. Align the threaded end of the antenna and the threaded hole at the top of the radio, and rotate the antenna clockwise until it is tight. (Picture 3)
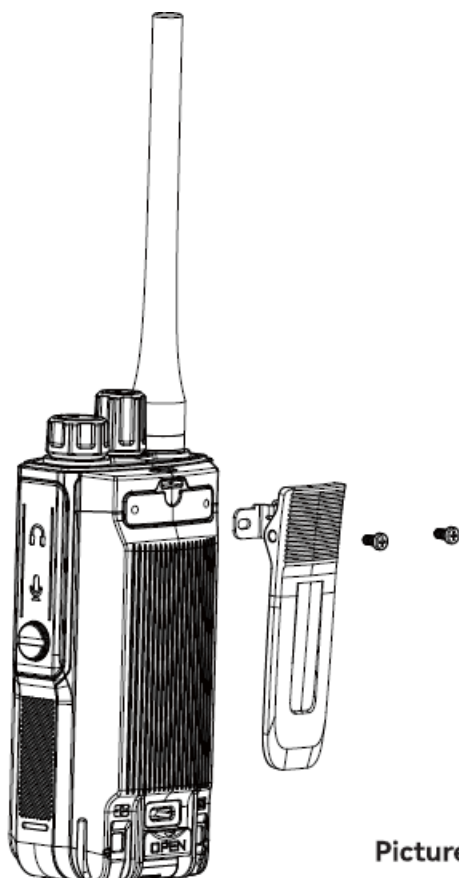2. To remove the antenna, rotate it anticlockwise until the antenna spirals out. (Picture4)

Picture 3

Picture 4

Belt Clip Installation
Align the two holds of belt clip and the two holes of the radios, fix them with the supplied M2.5*5 screws. Loosen the screw to remove the belt clip.

Picture 5

External Micro/Speaker Installation
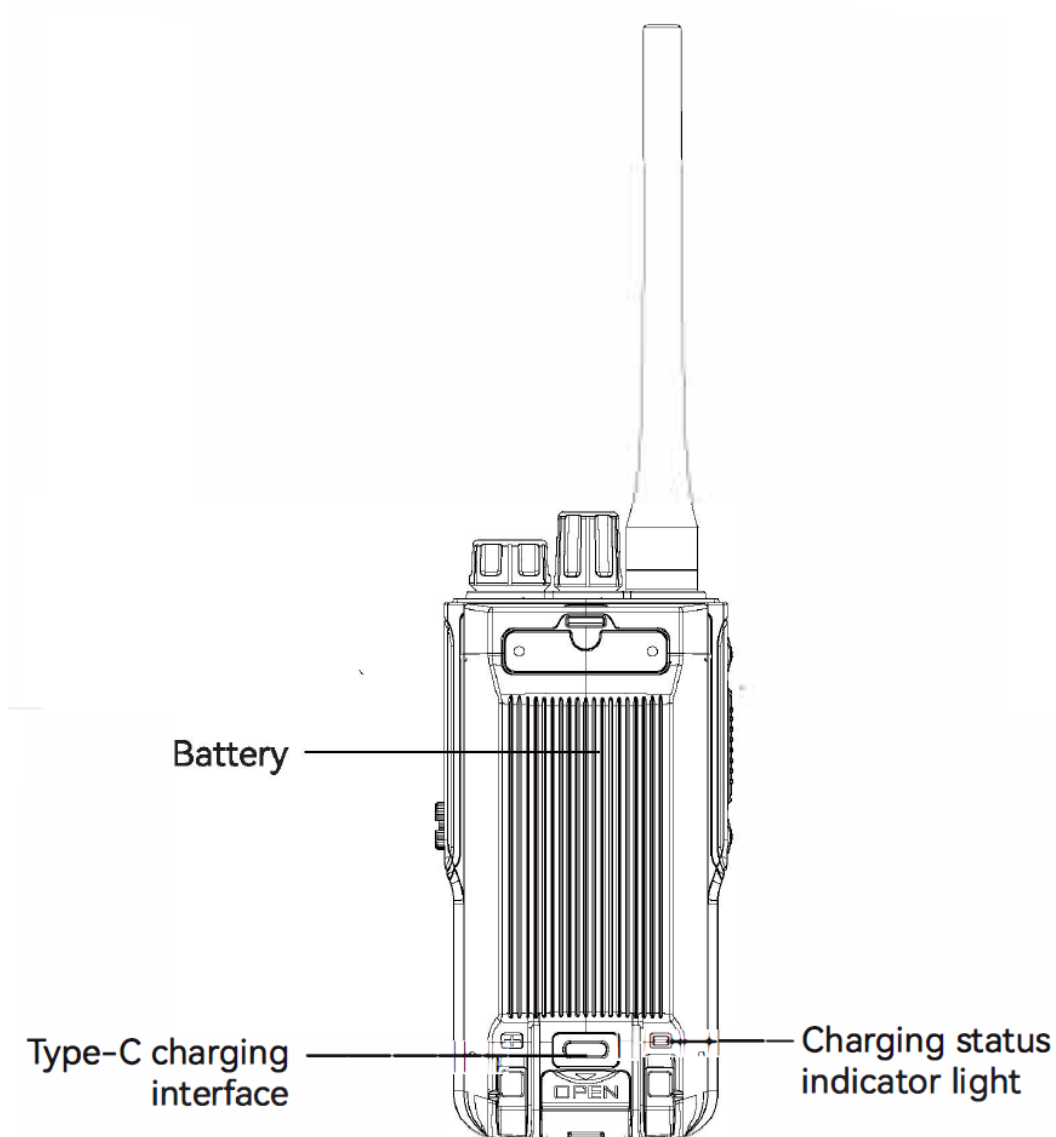Open the cover of the Mic/Speaker Jack and insert the microphone/speaker plugs into the jack.

Note: using the external headset or Mic/speaker will affect the water-tightness performance of radio. If the external headset does not work, please use the headset case.

RADIO ILLUSTRATION

ANT

Channel knob

Power/Volume knob

Side Key 1

Speaker

PTT

Mic/Sp jack

MIC

Side Key 2

RETEVIS

Battery

Type-C charging interface

Charging status indicator light
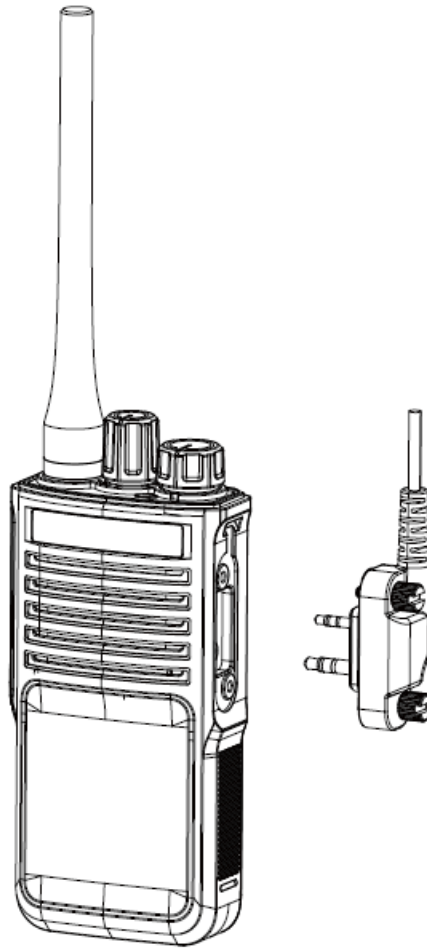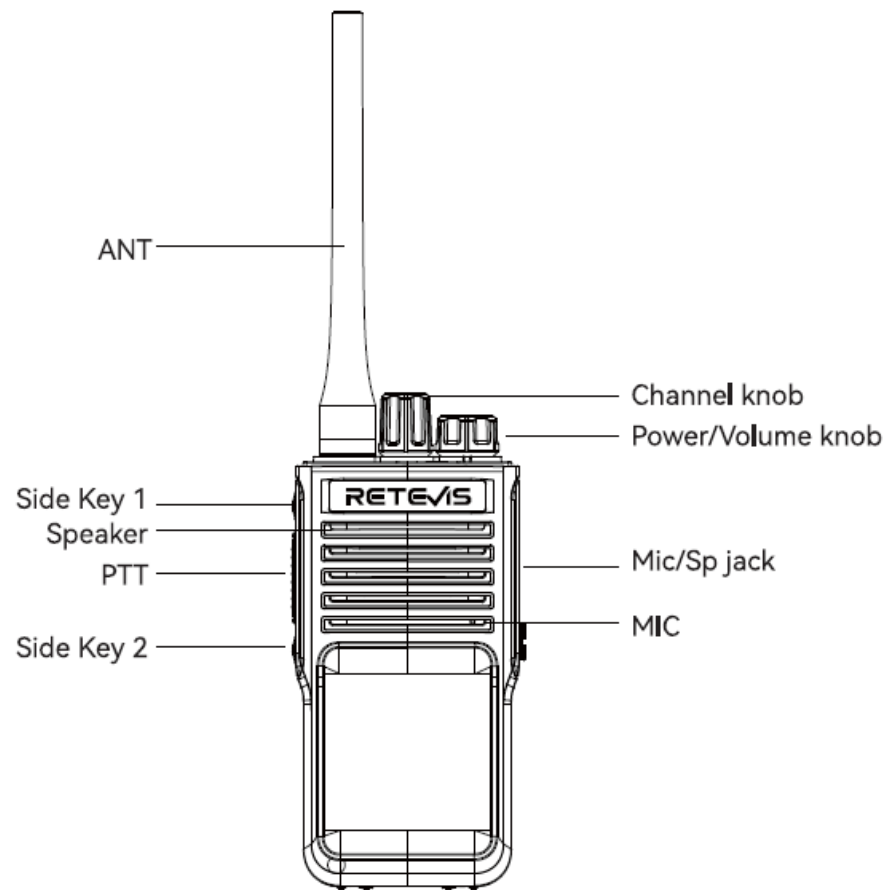
PTT
Press it to transmit and release it to receive after your transmission is completed.

Mic/Sp jack
The jack provides connection points for microphone audio, earphone audio, speaker and program cable. The upper and lower buttons can be defined by the frequency writing software; Emergency alarm, VOX, power adjustment, scanning, noise reduction, radio can be set.

Side Key 1

1. Short press: VOX
2. Long press: emergency alarm

Side Key2

1. Shortly press: Noise Cancellation
2. Long press: Power regulation

Side Key 1 & Side Key 2:
Long press: Call the police when you fall to the ground

WORKING MODE

Channel Mode

- Make sure you have stored a memory channel at least.Turn on the radio, the default operating mode is Channel mode.
- You can rotate the channel knob to select the channel.and the radio will broadcast the current channel number.
- This radio can set up to 200 memory channels.

FM Radio Mode

- The transceiver provides frequency 64.00-108.00MHz FM radio.
- When the computer program "Side Key 1" or "Side Key 2" selects the scanning function, operate the side key in channel mode to switch to FM radio mode. Operate the side key again to switch to channel mode.
- You can rotate the channel knob to select the FM radio channel in FM radio mode, and the radio will broadcast the current FM radio channel number.
- This radio can set up to 24 FM radio channels.

DETAILED FUNCTION DESCRIPTIONS

Scan & Scan Mode Setting
Functions: under Channel mode, the transceiver allows you to scan the entire current operating band and memory channels.
When the computer program "Side Key 1" or "Side Key 2" selects the scanning function, operate the side key to start scanning. When you have started scanning, the radio will halt on a signal it encounters, operate the side key again to stop scanning. Before you begin.take a moment to select the way in which you would like the scanning to halt on a signal.

There are three options for the scan mode are available under channel mode:

- TO: In this mode, the scanning will halt on a signal it encounters, and will hold there for some time. If you do not take action to disable the scanning within the time period, the scanning will resume even if the stations are still active.
- CO: In this mode, the scanning will halt on a signal it encounters, and will hold there if the stations are still active. And after the carrier has dropped, the scanning will resume.
- SE: In this mode, the scanning will halt on a signal it encounters, it will not restart automatically; you must manually re-initiate scanning if you wish to resume.

VOX Level & VOX Switch
Functions: the VOX function provides automatic transmit/receive switching based on the voice that is input to the microphone. With the VOX switch ON, you do not need to press PTT key to transmit, and it is not necessary to use a VOX headset for VOX operation. When the computer program "Side Key 1" or "Side Key 2″ selects the VOX Switch,operate the side key to turn on VOX.Operate the side key to turn off VOX. You can set VOX level from 1 to 7 via program software. The higher level is, the lower sensitive it will be. This transceiver provides for adjustment of " Hang-Time" of the VOX (the transmit-receive delay after the cessation of speech) via program software.

TX Power Setting
Functions: you can select High/Low TX power according to your talking environment and need. When you store memories, you can store High and Low power settings separately in each memory.

Enter Menu 4th to set TX power.
TX power: s5W high/middle/low

Squelch Adjustment
Functions: Squelch system allows you to mute the background noise when no signal is being received. Not only does the Squelch system "standby" operation more pleasant, but also significantly reduces battery current consumption.

Beeper setting
Functions: enable/disable the key beeper.

Preset Channel Selection
Functions: Preset the signal type (OFF/DTMF/2T/5T) at software, by choosing 1-16 channel to achieve remote kill stun/activate/revive function. Enter Menu 10th to choose 1-16 channel.

Transmitter Time-out-Timer
Functions: the TOT feature provides a safety switch which limits transmission to a pre programmed value. This will promote battery conservation by not allowing you to make excessively-long transmissions. In the event of a stuck PTT switch, it can prevent interference from other users as well as battery depletion.

Busy Channel Lock-out
Functions: the BCLO feature prevents the radio's transmitter from being activated if a signal is strong enough to break through the "noise", squelch is present. On a frequency where stations using different CTCSS or DCS codes may be active, BCLO prevents you from disrupting their communications accidentally (because your radio may be muted by its own tone decoder).
Carrier: the radios PTT will be prevented only the frequency is busy using.
Sub: the radio's PTT will be prevented only the frequency and tone coder is the same.

Transmit Over Beeper
Functions: sending a beeper to inform the receiver TX is over.

Receive Saver
Functions: this feature significantly reduces quiescent battery drain, and you may not receive the full data burst.

Voice Prompt
Functions: enable/disable voice prompt. Default: ON.

CTCSS/DCS Operation
Many repeater systems require a very-low-frequency audio tone that be superimposed on your FM carrier in order to activate the repeater. This helps prevent false activation of the repeater by radar or spurious signals from other transmitters. This transceiver has 50 groups CTCSS,105 groups normal/inverted DCS.

CTCSS TONE FREQUENCY (Hz)

67	69.3	71.9	74.4	77	79.7
82.5	85.4	88.5	91.5	94.8	97.4
100	103.5	107.2	110.9	114.8	118.8
123	127.3	131.8	136.5	141.3	146.2
151.4	156.7	159.8	162.2	165.5	167.9
171.3	173.8	177.3	179.9	183.5	186.2
189.9	192.8	196.6	199.5	203.5	206.5
210.7	218.1	225.7	229.1	233.6	241.8
250.3	254.1				

DCSCODE

023	025	026	031	032	036
043	047	051	053	054	065
071	072	073	074	114	115
116	122	125	131	132	134
143	145	152	155	156	162
165	172	174	205	212	223
225	226	243	244	245	246
251	252	255	261	263	265
266	271	274	306	311	315
325	331	332	343	346	351
356	364	365	371	411	412
413	423	431	432	445	446
452	454	455	462	464	465
466	503	506	516	523	526
532	546	565	606	612	624
627	631	632	654	662	664
703	712	723	731	732	734
743	754				

Wide/Narrow band selecting
Functions: setting of wide/narrow bandwidth.
Enter Menu 28th to set bandwidth.
Available Values: Wide—25kHz/ Narrow—12.5kHz
Note: wide band is not available for USA and Canada version.

ADVANCED FUNCTIONS

EMERGENCY ALERT
Program "Side Key 1" or "Side Key 2" selects the scanning function. Under standby mode, operate the side key to turn on emergency alert function, radio will transmit emergency ring, until you press PTT, it will exit.

RX ENC (Environment Noise Cancellation) function
Audio sound active control is a signal-processing methodology that reduces the effective sound amplitude to improve signal-to-noise ratio (SNR) so that the unwanted noise is less perceptible. The ENC methodology is also called audio noise reduction (ANR). ENC or ANR is based on coherent acoustics that accurately replicate the original sound field in all its forms. This radio is equipped with the ENC (Environment Noise Cancellation) function and can help you hear clearly in the noisy environment.

One Key Frequency Pairing
When the radio is under channel mode, turn the radio to channel 1,then turn off the radio. Press and hold side key 2 to turn on the machine, and the green light flashes fast, transmitting (Press PTT) the radio (the one we want to pair). When the radio broadcasts "Di" prompt sound, the radio will finish pairing the current frequency and CTCSS. When the green light always lights up, save successfully. The channel paring is the same as the one key frequency pair.
Note: support pairing different brand walkie-talkies.
The radio (want to be paired) must keep on pressing PTT till the frequency and the CTCSS/DCS are paired, or it may be seeking the end tone of the paired radio.

Selected channel call
Press PTT and Side key 1 (Flashlight button) to achieve remote kill/stun/active.

1 DTMF
When the signal of the channel selects the DTMF, press the PTT key and the side key 1 at the same time, the current channel will automatically check if the DTMF signaling is received and decode it. And achieve a corresponding function according to the received code.The function includes ANI display, and remote stun/waken/kill.

1. **ANI Display:**

2.

Input the caller ID, e.g., your radio ID is 001, the called radio ID is 003.

3. Select channel NO

Own ID	001	Dtmf Speed(MS) 100
Delimiter	*	First Digit(MS) 200
Group Code	A	Auto Reset Time(S) 10

☑ DTMF ANI
☑ Side Tone Select Ch 1

4. Choose DTMF signa

No.	Rx Fre	Tx Fre	Decode	Encode	Scramble	Power	B_Lock	Step	Wide	Signal
1	445.02500	445.02500	OFF	OFF	OFF	Hig	OFF	12.5K	Wide	DTMF

5. Press the PTT key and side key 1 at the same time to turn on the ANI display function.

Remote stun, remote kill function
Stun code: when the radio receives the corresponding DTMF code, the radio will be remote stunned and disabled to transmit.
Kill code: when the radio receives the corresponding DTMF code, the radio will be remote killed and disabled to receive and transmit. Waken code: release the state of stun/kill.
Select CH: the default channel when the DTMF is calling.

1. DTMF Encode type choose OFF, user can input the desired DTMF code directly.

DTMF MENU

Dtmf Encode

No.	Type	Code
1	ANI	003*001
2	OFF	323457989012345
3	OFF	323457989012345#
4	OFF	423465789012345
5	OFF	423465789012345#
6		

2. In transmitting, input the remote kill/stun code for the radio which you want to remote kill/stun.

3.

Stun Code	323457989012345
Kill Code	423465789012345

DTMF Encode

Remote receive code: remote stun code+# to waken radio which at stun state. Remote receive code: remote

kill code+# to waken radio which at kill state.

4. Select channel

Like above setting:

Channel 1: ANI display;

Channel 2: remote stun code;

Channel 3: remote waken from stun state;

Channel 4: remote kill code;

Channel 5: remote waken from kill state;

5. Signal choose DTMF

No.	Rx Fre	Tx Fre	Decode	Encode	Scramble	Power	B_Lock	Step	Wide	Signal
1	445.02500	445.02500	OFF	OFF	OFF	Hig	OFF	12.5K	Wide	DTMF

6. Remote kill/waken/stun operation.

After setting like above, if you would like to achieve Radio A kill Radio B, there are two ways to achieve:

One: At programming software DTMF setting choose Ch 4. Then press the PTT and side key 1 to achieve remote radio B.

Two: At radio, choose Menu 1 0th-DT CH-Channel number choose 4. Then press the PTT key and the side key 1 to achieve remote radio B.

Similar operation for remote stun/waken.

2 TONE Operation
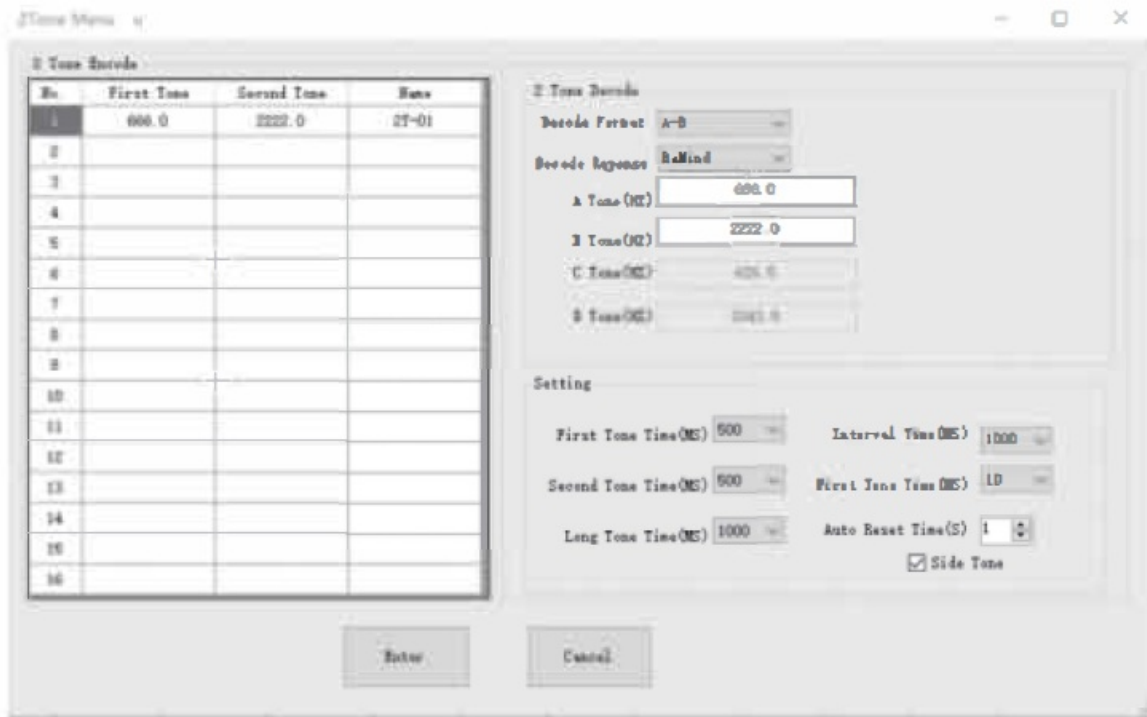
2 Tone encodes

Input: the frequency of first tone and second tone.

Note: the frequency between the first tone and second tone should not be too similar to avoid the decoding being wrong.

2 Tone decodes

Decode Format: the combination of decode, for example: A-B, you should make sure the frequency of first tone is A, and second tone is B.

Other combination is similar.

5 TONE Operation

5Tone Encode   5Tone Decode

5Tone Encode

No.	Type	Call ID	Ch Name
1	ANI	12345	5T-01
2	OFF	12345678	5T-02
3	OFF	12345878	5T-03
4	OFF	87654321	5T-04
5	OFF	35578411	5T-05
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

Enter   Cancel

5 Tone encode
The writing way is the same as the DTMF.

5 Tone decode
Function: The function will be achieved when the radio receives the corresponding code. Select: Turn on squelch.
Stun/kill: same with DTMF.
Wake: release the state of stun/kill.

Notice
User' 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.

Radio License
Governments keep the radios in classification. Two-way radios are only operated on authorized radio frequencies that are regulated by the local radio management departments (such as FCC, ISED, OFCOM, ANFR, BFTK, Bundesnetzagentur, and so on.). The detailed classification and the use of your two-way 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.

GMRS
This two-way radio is a GMRS station. A valid individual license is required to operate a GMRS station. To obtain an individual license, an applicant must be eligible and follow the applicable rules and procedures established by FCC. The applicant must pay the required application and regulatory fees. Each individual license in the GMRS

will normally have a term of ten years from the date of grant or renewal, and may be renewed pursuant to the procedures of FCC. To obtain a GMRS operator license, you need FCC Form 605 & 159, we suggest visiting the FCC website at **https://www.fcc.gov/wireless/support/fcc-form-605**, which includes necessary instructions. More questions about the license application, please contact the FCC at 1-888-225-5322 or go to the FCC's website: **http://www.fcc.gov**. Note: According to FCC rules, any individual who holds an individual GMRS license may allow his or her immediate family members to operate his or her GMRS station or stations. Immediate family members are the licensee's spouse, children, grandchildren, stepchildren, parents, grandparents, stepparents, brothers, sisters, aunts, uncles, nieces, nephews, and in-laws.

FCC Requirements
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.
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 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.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device. 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 on putting into service
This product may be used in following 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 intended country of use, please refer to the package. This radio equipment contains frequency bands that are subject to licensing procedures before it is allowed to be operated. Please make sure you have a valid radio license or radio operator permit before use.

Disposal

The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that all electrical and electronic products, batteries, or accumulators 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 and rules in your area.
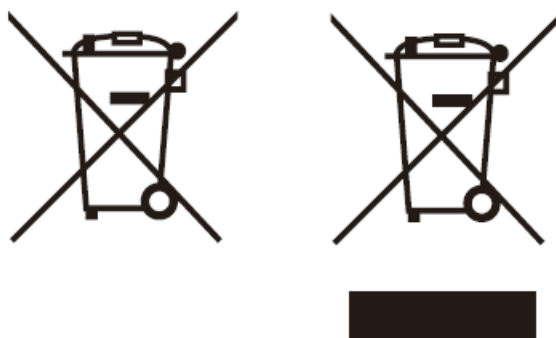
RF Safety

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/** Keeping the radio at a proper distance is important as RF exposure decreases with increasing distance from the proper antenna. A proper antenna is an antenna supplied with this radio by the manufacturer or specifically authorized by the local authority for use with this radio. This radio can only be operated by use of an antenna of a type and maximum (or lesser) gain approved for the transmitter under regulations and rules. This transmitter must operate with the antenna(s) documented and in Push-to-Talk and body-worn configurations as documented. Using authorized accessories is important because the use of Non-Retevis accessories may result in exposure levels, which exceed the IEEE/ICNIRP RF exposure limits. 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 "Occupational/Controlled Use Only". Occupational/Controlled environments are defined as locations where there is exposure that may be incurred by people who are aware of the potential of exposure, for example, as a result of employment or occupation. It means a radio must be used only by individuals aware of the hazards, and the ways to minimize such hazards;
- Not intended for use in a General population/uncontrolled environment.

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.

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 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.

Turn off your radio in the following conditions:

- 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 radio 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.

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.

Protect your hearing

- 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.

Batteries Safety

- **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 immediately.
- If a radio or a battery has been submerged in water, please dry and clean it before use. Do not dry the radio or battery with an appliance or heat source, such as a hair dryer or microwave oven. If the radio has been submersed in a corrosive substance (e.g. saltwater), rinse the radio and battery in fresh water, then dry them.
- 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.
- Batteries should be removed from the appliance when not being used for long periods of time (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;
- Turn off your radio before charging.
- Batteries shall be charged at 10°C-40°C environment temperature specified. If the environment temperature is lower than o•c, the charge shall be prohibited.
- Rechargeable batteries need to be charged with a dedicated charger provided for each piece of equipment before you first use them.
- Rechargeable batteries are only to be charged by adults or by children at least 8 years old under adult supervision.
- 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.
- Do not use the charger outdoors or in moist environments, use only in dry locations/conditions.
- Do not disassemble the charger, which may result in a risk of electrical shock or fire. A charger should be dismantled only by trained people.
- Do not operate the charger if it has been broken or damaged in any way.
- An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of a fire and/or electric shock. If an extension cord must be used, make sure that
- The pins on the plug of the extension cord are the same number, size and shape as those on the plug of the charger.
- The extension cord is properly wired and in good condition.
- Make sure the cord is located so it will not be stepped on, tripped over or subjected to damage or stress.

- **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.

Carry Devices

- 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**

Guarantee

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

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, pis 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.

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E-mail: kam@retevis.com
Facebook: facebook.com/retevis

MADE IN CHINA

Documents / Resources

RETEVIS P2 User's manual	**RETEVIS P2 Two Way Radio** [pdf] User Manual P2 Two Way Radio, P2, Two Way Radio, Way Radio, Radio

References

- **User Manual**