# RETEVIS

## Two Way Radio

FC  CE  RoHS Compliant

MADE IN CHINA

## RT49P

## User's Manual

# TO CUSTOMERS

Thank you very much for using our two way radio.
This radio of modern design is reasonable structure
with stable functions. It is designed to meet different
customers' need for high quality with easy operation
and perfect capablity. We believe you are pleased
with its nice shape and excellent performance.
This manual is suitable for using the model of RT49P

RETEVIS

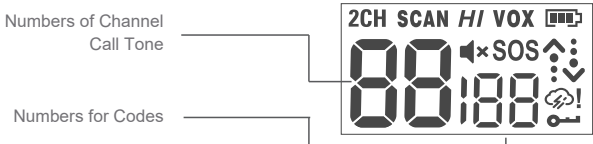# Contents

# KEY FUNCTIONS
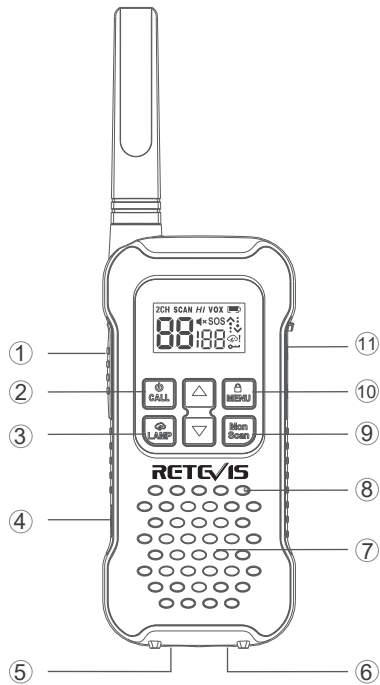
① Push-to-Talk

② Power On/Off / Call Tone

③ Lamp On/Off / Weather Switch

④ SOS

⑤ Lamp

⑥ SOS Lamp

⑦ Speaker

⑧ Microphone

⑨ Monitor / Scan

⑩ Lock / Menu

⑪ Micro-USB Charging Port / Accessory Port

# DISPLAY SCREEN GUIDE

Numbers of Channel

Call Tone

Numbers for Codes

| 2CH | Dual Watch | 🔋 | Battery Meter | 🔑 | Lock |
|------|------------|------|------------------------|------|---------------|
| SCAN | Scan | ⬆⬇ | Status (Transmit/Receive) | ⚡! | Weather Alert |
| VOX | VOX | 🔇 | Volume Mut | | |

# GETTING STARTED

## Installing the Three AA NiMH Rechargeable Battery

1. Take the belt clip off.
2. Unlock two screws counterclockwise and open the cover ot install the three AA NiMH battery according to orientation shown in battery compartment.

screws

Remove the battery cover.
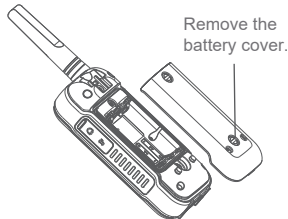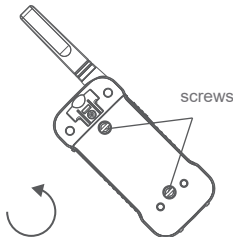
3. Close the battery and tighten the two screws clockwise.
4. Tighten the screws clockwise to close the battery cover firmly.

Insert 3 AA NiMH batteries.

Close the battery cover.

## Radio Battery Meter

Battery full bars indicates battery high ▯▮. When battery meter shows 1 bar, device is on low battery mode and will indicate low battery alert in the forms of alert tone and blinking bar display.
Note:
- Remove the battery from radio for storage purposes. Batteries may corrode over time and cause permanent damage to your devices.
- Do not mix and use old/new/alkaline/NiMH batteries.
- Charge the supplied NiMH batteries once every 3 months when not in use.

## Using the Micro-USB Charger

The micro-USB charger is a handy port that allows you to conveniently charge your NiMH battery. Use certified adaptor(5V, ≥1A). Do not attempt to charge alkaline batteries.
1. Make sure your radio is turned OFF.
2. Plug the micro-USB cable into the micro-USB charging port on your radio. Connect the other end of the micro-USB charger to wall power outlet.
3. The battery meter on LCD will move to indicate the battery is charging

## Turning your Radio On and Off

1. Press and hold on the (CALL) button to turn your radio ON/OFF.
2. The display screen then shows the current channel, code and all features that are enabled.

3. Disabling CTCSS/DCS: In the off state, press the PTT key and the Power key simultaneously to disable CTCSS/DCS.

## Setting the Volume

1. Press (▲) to increase the volume. Press (▼) to decrease the volume.
2. When the volume reached level 0 the mute ◀× icon appears permanently on screen.

## RECEIVING AND TRANSMITTING

To communicate, all radios in your group must be set to the same channel and sub code.
1. To talk, press and hold the PTT button. When transmitting, the ⬆ icon is shown. Release the PTT button when you are finished talking. Do not use the radios closer than five feet apart.
2. When receiving, the ⬇ icon is shown.

## Monitor Button

1. Press and hold (Mon Scan) button for 3 seconds to enter monitor mode and listen for weak signals on the current channel.
2. You can also press (Mon Scan) button to check for activity on the current channel before you talk.
3. Release the (Mon Scan) button to exit monitor mode.

## PTT Time out Timer

When you press PTT buttons for more than 60 seconds, radio will stop transmitting. This is to prevent accidental transmission.

## Mode Button

User can use this function to switch between two-way and weather mode by press and hold (LAMP) for 3 seconds.

## FEATURES

### Setting the Channel

1. Press the (MENU) button until the channel number starts to flash.
2. Press (▲) or (▼) button to change the channel number. Press the PTT button to exit menu.

## Channels and Frequences

| CH | Frequency (MHz) | Sub-audio | Max Power Output | CH | Frequency (MHz) | Sub-audio | Max Power Output | CH | Frequency (MHz) | Sub-audio | Max Power Output | CH | Frequency (MHz) | Sub-audio | Max Power Output |
|----|-----------------|-----------|------------------|----|-----------------|-----------|------------------|----|-----------------|-----------|------------------|----|-----------------|-----------|------------------|
| 1 | 462.5625 | 67 | 2W | 7 | 462.7125 | 146.2 | 22W | 13 | 467.6875 | D065N | 0.5W | 19 | 462.65 | D243I | 2W |
| 2 | 462.5875 | 118.8 | 2W | 8 | 467.5625 | D243N | 0.5W | 14 | 467.7125 | D116N | 0.5W | 20 | 462.675 | D606N | 2W |
| 3 | 462.6125 | 127.3 | 2W | 9 | 467.5875 | D032N | 0.5W | 15 | 462.55 | 123 | 2W | 21 | 462.7 | D731I | 2W |
| 4 | 462.6375 | 131.8 | 2W | 10 | 467.6125 | D047N | 0.5W | 16 | 462.575 | D743I | 2W | 22 | 462.725 | 136.5 | 2W |
| 5 | 462.6625 | 136.5 | 2W | 11 | 467.6375 | D051N | 0.5W | 17 | 462.6 | D332I | 2W | | | | |
| 6 | 462.6875 | 141.3 | 2W | 12 | 467.6625 | D053N | 0.5W | 18 | 462.625 | 127.3 | 2W | | | | |

## CTCSS CHART (Hz)

| Number | Frequency | Number | Frequency | Number | Frequency | Number | Frequency | Number | Frequency |
|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|
| 1 | 67 | 2 | 69.3 | 3 | 71.9 | 4 | 74.4 | 5 | 77 |
| 6 | 79.7 | 7 | 82.5 | 8 | 85.4 | 9 | 88.5 | 10 | 91.5 |
| 11 | 94.8 | 12 | 97.4 | 13 | 100 | 14 | 103.5 | 15 | 107.2 |
| 16 | 110.9 | 17 | 114.8 | 18 | 118.8 | 19 | 123 | 20 | 127.3 |
| 21 | 131.8 | 22 | 136.5 | 23 | 141.3 | 24 | 146.2 | 25 | 151.4 |
| 26 | 156.7 | 27 | 159.8 | 28 | 162.2 | 29 | 165.5 | 30 | 167.9 |
| 31 | 171.3 | 32 | 173.8 | 33 | 177.3 | 34 | 179.9 | 35 | 183.5 |
| 36 | 186.2 | 37 | 189.9 | 38 | 192.8 | 39 | 196.6 | 40 | 199.5 |
| 41 | 203.5 | 42 | 206.5 | 43 | 210.7 | 44 | 218.1 | 45 | 225.7 |
| 46 | 229.1 | 47 | 233.6 | 48 | 241.8 | 49 | 250.3 | 50 | 254.1 |

## DCS CODE LIST

| Number | Code | Number | Code | Number | Code | Number | Code | Number | Code |
|--------|------|--------|------|--------|------|--------|------|--------|------|
| 1 | D023N | 2 | D025N | 3 | D026N | 4 | D031N | 5 | D032N |
| 6 | D036N | 7 | D043N | 8 | D047N | 9 | D051N | 10 | D053N |
| 11 | D054N | 12 | D065N | 13 | D071N | 14 | D072N | 15 | D073N |

| Number | Code | Number | Code | Number | Code | Number | Code | Number | Code |
|--------|------|--------|------|--------|------|--------|------|--------|------|
| 16 | D074N | 17 | D114N | 18 | D115N | 19 | D116N | 20 | D122N |
| 21 | D125N | 22 | D131N | 23 | D132N | 24 | D134N | 25 | D143N |
| 26 | D145N | 27 | D152N | 28 | D155N | 29 | D156N | 30 | D162N |
| 31 | D165N | 32 | D172N | 33 | D174N | 34 | D205N | 35 | D212N |
| 36 | D223N | 37 | D225N | 38 | D226N | 39 | D243N | 40 | D244N |
| 41 | D245N | 42 | D246N | 43 | D251N | 44 | D252N | 45 | D255N |
| 46 | D261N | 47 | D263N | 48 | D265N | 49 | D266N | 50 | D271N |
| 51 | D274N | 52 | D306N | 53 | D311N | 54 | D315N | 55 | D325N |
| 56 | D331N | 57 | D332N | 58 | D343N | 59 | D346N | 60 | D351N |
| 61 | D356N | 62 | D364N | 63 | D365N | 64 | D371N | 65 | D411N |
| 66 | D412N | 67 | D413N | 68 | D423N | 69 | D431N | 70 | D432N |
| 71 | D445N | 72 | D446N | 73 | D452N | 74 | D454N | 75 | D455N |
| 76 | D462N | 77 | D464N | 78 | D465N | 79 | D466N | 80 | D503N |
| 81 | D506N | 82 | D516N | 83 | D523N | 84 | D526N | 85 | D532N |
| 86 | D546N | 87 | D565N | 88 | D606N | 89 | D612N | 90 | D624N |
| 91 | D627N | 92 | D631N | 93 | D632N | 94 | D645N | 95 | D654N |
| 96 | D662N | 97 | D664N | 98 | D703N | 99 | D712N | 100 | D723N |
| 101 | D731N | 102 | D732N | 103 | D734N | 104 | D743N | 105 | D754N |
| 106 | D243I | 107 | D332I | 108 | D731I | 109 | D743I | | |

## Setting the Sub Codes

1. Press the (MENU) button until the code number starts to flash.
2. Press (▲) or (▼) button to select code number. Press the PTT button to exit menu.

## Setting and Transmitting Call Tones

1. Press (MENU) button until call tone 'CA' appears. The current call tone setting flash.
2. Press (▲) or (▼) button to change and listen to the call tone. Press the PTT button to exit menu.

## Voice Operated Transmission (VOX)

1. To activate VOX, press (MENU) button until 'VOX' appears on the display. The current setting (0, 1-3) will flash.
2. Press (▲) or (▼) button to select the sensitivity level. Press the PTT button to exit menu.

| |
|---|
| L3=High Sensitivity |
| L2=Medium Sensitivity |
| L1=Low Sensitivity |
| L0=Turn Off VOX function |

## Dual Channel Monitor

With this feature enabled, you can scan current channel and another channel alternately.
1. Press (MENU) button until '2CH' appears on the display. The current setting (OF, 1-22) will flash.
2. Press (▲) or (▼) to select channels. Press the PTT button to exit menu. The screen will alternate between Home Channel and Dual Watch Channel.To end Dual Watch mode, re-enter Dual Watch menu to select the OFF setting. If you set the same channel and code as current channel, Dual Watch does not work.

## Setting High Low Power

1. Press (MENU) button until 'Pr' appears on the display.
2. Press (▲) or (▼) button to select HI or LO. (HI- High Power, LO- Low Power)
3. Press the PTT button to exit menu.

## Keypad Tones

Press and hold the (▼) button while turning the radio ON to switch the keypad tone ON/OFF.

## Roger Tone

Press and hold the (▲) button while turning the radio ON to turn the Roger Beep ON. Repeat the step to turn Roger Beep OFF .

## Keypad Lock

1. To lock the radio, press and hold (MENU) button until the key lock indicator ⚷ icon on display appear.
2. To unlock the radio, press and hold (MENU) button until key lock indicator ⚷ icon on display disappear.

3. Repeat the step to unlock the device.

## Scanning Channels

To Start Scanning:
1. Briefly press the (Mon Scan) button to start scanning. SCAN icon will appear in the display. The device will stop scrolling and receiving when matched channel and sub codes detected.
2. After the end of transmission, press the PTT button within 5 seconds to respond. The device will resume scanning after end of any received activity.
3. If you press PTT button when the device is scrolling, the transmission will be on the 'home channel'.
4. Press (Mon Scan) button to exit scanning feature.
Notes:
If the device stops on an unintended/undesired transmission, press (▲) or (▼) button to resume scan OR temporarily remove that channel from the scan list by pressing and holding (▲) or (▼) for 3 seconds. Press (Mon Scan) to exit and re-enter scan mode to restore removed channels to the scan list.

## LED Lamp

Press the (LAMP) button to turn ON/OFF the lamp.

## Automatic Power Saving

This feature is enabled by default to enhance battery life.

## Emergency SOS Mode

User can use this feature to emit SOS signal. To enter emergency SOS mode:
1. Press and hold the SOS button for 3 seconds. The RED LED light will be activated.
2. Press the button again to deactivate.

## Water Activated LED

Once the devices are dropped into water, white LED will be activated automatically to ease user to locate the devices in dark environment. After retrieve the devices, press any button to deactivate except (LAMP) button. (LAMP) button will overwrite and activate LAMP feature.

## WEATHER RECEIVE

### Entering Weather Mode

Press and hold (LAMP) button for 3 seconds to enter weather mode.

### Setting the Weather Channel

Your radio receives weather frequencies:
1. In weather mode, press the (MENU) button until weather channel number flashes.
2. Press (▲) or (▼) button to select the appropriate channel.
3. Press the PTT button to set and exit menu.

### Setting the Weather Alert

Your radio can be set to respond to NOAA Weather Radio emergency messages.
1. In weather mode press the (MENU) button twice until 🌩️! icon displays.
2. Press (▲) or (▼) button to select On/Off.
3. Press the PTT button or (MENU) button to exit the weather menu set up. Repeat the step to disable the weather alert.

## WEATHER CHANNELS & FREQUENCIES

| Frequency (MHz) | Frequency (MHz) | Frequency (MHz) | Frequency (MHz) | Frequency (MHz) | Frequency (MHz) |
|---|---|---|---|---|---|
| WX1 | 162.550 | WX5 | 162.450 | WX9 | 161.775 |
| WX2 | 162.400 | WX6 | 162.500 | WX10 | 161.750 |
| WX3 | 162.475 | WX7 | 162.525 | WX11 | 162.000 |
| WX4 | 162.425 | WX8 | 161.650 | | |

## SPECIFICATIONS

| General | | Receiver | | Transmitter | |
|---|---|---|---|---|---|
| Frequency Range | FRS:462.5500-467.7125MHz | Receive Sensitivity | -125dBm | RF Output Power | 2.0W/0.5W (Hi/Low) |
| Memory Channel | 22CH | Adjacent Channel Selectivity | -125dBm | Spurious Emission | ≤-13dBm |
| Operation Voltage | DC 3.6V / DC4.5V | Inter Modulation and Rejection | ≥60dB | Transmission current | ≤1.3A |
| Battery Capacity | 1200 mAh | Rated Audio Power Output | ≥450mW（4.5V) | | |
| Operating Temperature | -20℃-+60℃ | Rated Audio Distortion | ≤5% (60% volume) | | |
| Antenna Impedance | 50Ω | Receive Current | ≤300mA | | |

# RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE FOR PORTABLE TWO-WAY RADIOS

**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 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.
• This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. 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.

## 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 (inflammable gas, dust particles, metallic

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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.

**WARNING**

## Protect your hearing:

**WARNING**

• 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

**WARNING**

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.

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## Safety Operation

⚠️ **WARNING**

**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

⚠️ **WARNING**

• 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

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**RETEVIS**

# Warranty card

**Remarks**
1. This guarantee card should be kept by the user, no replacement if lost.
2. Most new products carry a two-year manufacture's warranty from the date of purchase.
   Further details, pls read http://www.retevis.com/after-sale/
3. The user 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 hte serial number has been altered, defaced, or removed.

Model Number:

Serial Number:

Purchasing Date:

Dealer:

Telephone:

User's Name:

Telephone:

Country:

Address:

Post Code:                    Email: