THANK YOU

We are grateful for your choice of our transceiver. We believe that this easy-to-use transceiver will provide dependable and cost-effective communications for you. Our professional two-way radios incorporate the latest in advanced technology and craft. So you will be pleased with the quality and features of our products. Please read this manual carefully to ensure you know how to properly operate the radio before use.
PRECAUTIONS

1. Refer service to qualified technicians only.
2. Do not disassemble or modify the transceiver for any reason.
3. Do not expose the transceiver under direct sunlight long time or to extremely hot condition.
4. Do not place the transceiver on the unstable surface.
5. Keep the transceiver out of dust, moisture, and water.
6. Do not operate the transceiver or charge the battery pack under explosive conditions.

CONTENT

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MORE OPTIONAL ACCESSORIES OF RETEVIS

- 6 in 1 programming cable kit
- Acoustic tube headset
- Speaker microphone
- Programming cable
- Throat mic

Note: For more information, Please visit our website: www.retevis.com

UNPACKING AND CHECKING EQUIPMENTS

Carefully unpack the transceiver. We recommend that you identify the items listed in the following table before discarding the packing material. If any items are missing or have been damaged during shipment, please contact the dealers immediately.

SUPPLIED ACCESSORIES

<table>
<thead>
<tr>
<th>Item Name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radio</td>
<td>1</td>
</tr>
<tr>
<td>Battery</td>
<td>1</td>
</tr>
<tr>
<td>Data Cable</td>
<td>1</td>
</tr>
<tr>
<td>Belt Clip</td>
<td>1</td>
</tr>
<tr>
<td>User's Manual</td>
<td>1</td>
</tr>
</tbody>
</table>

Radio | Battery | Data Cable | Belt Clip | User's Manual |
CHARGING THE LI-ION BATTERY PACK

Please charge the new battery pack before using it. The new or stored (more than two months) battery pack, which can not reach its full capacity for the first charging. After 2 or 3 times charging and discharging, it can reach full charge.

JUST SEE THE FOLLOWING INSTRUCTIONS

1. Plug the adapter into an electric socket.
2. Insert the connecter of data cable into the port of battery pack.
3. Ensure that the port connect with connecter of data cable properly, while the charging is taking place, the light will glow red.
4. After 3 hours charging, the led indicator will light green which means the full charge. Now remove the connecter of data cable from battery pack.

Note:
Do not recharge the battery pack if it is fully charged. Doing so may cause the life of the battery pack to shorten or the battery pack may be damaged.

INSTALLING/REMOVING THE BATTERY PACK

The usage time of JL-11 Battery Pack is about 8 hours, which is based upon 5% transmit/5% receive/90% standby (standard duty cycle). See following images:

Caution:
1. Do not short-circuit the terminals of the battery or throw the battery into the fire.
2. Do not disassemble the battery pack yourself.

INSTALLING BELT CLIP

The belt clip align to slots on back of battery pack and fixed with screws.

INSTALLING THE (OPTIONAL) SPEAKER/MICROPHONE

Insert the speaker/microphone plugs into the speaker/microphone jack of the transceiver.

Note:
The transceiver is not fully water resistant when using speaker/microphone.

Getting Familiar

A. Led indicator --- The Led indicator lights continuously red when transmitting. And lights green when in reception condition.
B. Channel Switch --- short press the channel to increase, long-press the channel to switch up quickly; at the same
time, long-press UP+DOWN to enter scan mode

C. Power Switch/Volume Control.

D. PTT Button --- Press PTT+DOWN key to turn on, change Chinese/English prompt. Press PTT+UP key to transmit repeater to activate the audio DTMF (1750Hz, 1450Hz, 2100Hz). The factory default is 1750Hz, others can be changed by programming software.

E. Monitor/Noaa Button --- Short press the NOAA weather on or off, long-press to open the monitor, release to cancel the monitor.

F. Torch/Lock Button --- Short press the flashlight on or off, long-press to lock or unlock the keyboard.

G. Speaker/Microphone Jacks

H. Speaker

I. Led Torch

J. Mic hole

K. Led indicator of battery pack

L. Battery pack charging port (5 pin)

M. Screen area------Display operate information

LED screen display define

1. CT analog CTCSS: it means that the current channel is receiving and transmitting at CTCSS mode.
2. DCS digital CDCSS: it means that the current channel is receiving and transmitting at CDCSS mode.
3. VOX function: it means that the VOX turn on.
4. Key lock: it means that keyboard is lock and don’t change up/down operation, except monitor and PTT key.
5. TX: it means that radio is in the transmitting state and the transmitting and receiving intensity meter is lit.
6. RX: it means that radio is in the receiving state and the transmitting and receiving indicator is lit at same time.
7. Transmitting and receiving indicator.
8. Power and charge indicator: it means current battery level. The battery level jumps back and forth from 1 to 3 in the charging state (Not displayed during shutdown).
9. Channel display: display the current channel number.

Note: the radio enters the power saving mode after 10s of standby, the screen does not light in this mode and the receiving green light will blink at this time.

OPERATION

SWITCHING POWER ON/OFF

Turn the power switch/volume control clockwise. You will hear a beep and speech, indicating the transceiver is ON.

VOLUME CONTROL

Hold Monitor button down to listen to audio level while rotating the Power switch/Volume control. Rotate clockwise to increase and counter-clockwise to decrease volume.

SELECTING THE CHANNEL

In the standby mode, press UP/DOWN key, step up or down to select the channel. Long-press UP/DOWN to quickly switch
channels up or down. The screen displays the current channel number, when the voice prompt function is turned on, the corresponding channel is broadcasted.

**TRANSMITTING**
To ensure the best receiving volume, please keep the distance between the microphone and the mouth from 2.5cm to 5cm when transmitting.
Transmitting call: change the channel and press PTT key, the radio is in the transmitting state, the red indicator light is always on and the TX icon is displayed. Then speak into the microphone in a normal tone.
Receiving call: after releasing PTT key, a beep will sound, the radio is receivable mode. When receiving a call, the green indicator light is always on and the RX icon is displayed.

**ADDITIONAL FUNCTIONS**

**SCAN**
In the standby mode, press UP+DOWN to enter scan function, the green indicator light is blink quickly, the radio scans between the added channels. When a valid voice signal is scanned, it automatically stays in this state until the signal disappears. Press any key to exit scan mode.
CPS programming path: Editor- Channel edit- Scan add (Option: Yes/No). Select the channel you want to add and set to Edit- scan switch (Option: On/Off), set to On.

**MONITOR**
In the standby mode, long-press MONI key to open monitor function, release to exit the MONI mode.

**KEYBOARD LOCK**
Press and hold the LAMP / LOCK button to lock or release the up or down button for channel selection. When the channel is locked, the LOCK icon is displayed.
Other function keys are not restricted by lock.

**NOAA WEATHER FORECAST**
Short press MONI/NOAA key to enter the weather forecast channel, displaying m m, press UP/DOWN to select channel between m m .
Short press MONI/NOAA key again to exit the weather forecast.
**NOTE:** enter the NOAA weather mode, the radio's transmitting, MONI and scan function will be disabled.

**FLASHLIGHT**
Power on the RB18, short press LAMP key to open the flashlight. Short press LAMP key again to turn off the flashlight.

**Advanced operations**

**Chinese/English prompt voice change**
Press PTT+UP to transmit repeater activate audio 1750HZ, 1450HZ 2100HZ.
CPS programming path: Editor- Language change( Option: Chinese /English)
Edit- Language switch (Option: ON/OFF). Language switch is set to OFF, the voice prompt function will be turned off.

**Transmit repeater activate audio**
Press PTT+UP to transmit repeater activate audio 1750HZ, 1450HZ 2100HZ.
CPS programming path: Editor- Side key function( Option: 1750, 1450 2100HZ)
**CPS program**
Connect the radio to the computer by a special cable, you can read and write the frequency of radio, set the function parameters, etc.

**CTCSS/CDCSS Code function**
Through the CPS programming software, edit the received and transmitted sub-audio of each channel to prevent receiving unrelated calls on the same channel, including 50 CTCSS or 105 CDCSS.

CTCSS/CDCSS option table is given in the appendix E.-CTCSS Table and appendix F. - DCS Table

**VOX transmit**
Through the PC programming software, set the VOX of radio to turn on/off and the sound control level 1 to 5 grade, level 1 sensitivity is the highest, level 5 sensitivity is the lowest.

CPS programming path: Edit- VOX control function (checkbox); Edit- Voice level (Option: 1-5).

**Busy channel lockout**
Turn on this function, when the selected channel is being used by other users, press the PTT button, the radio is prohibited from transmitting and emits a “beep, beep” sound. When the channel is idle, you can transmit when you press the PTT key again.

CPS programming path: Edit- Channel- BCL (Option: Yes/No) . set to Yes to activate the channel busy lock function.

**Time out timer**
TOT can effectively prevent any caller from occupying the channel for too long. If you continuously transmit more than the set TOT, the radio will stop transmit and emit “beep”. To stop beep, release PTT key, and press the PTT again to resume transmission.

CPS programming path: Edit- TOT (Option: 30s, 60s, 90s, 120s, 150s, 180s ...... 300s or turn off)

**Squelch level**
Level 1-9 to select, corresponding to SPK output S/N is 8-18dB.

**Automatic power saving mode**
The function is activated when no signal is received or no operation time exceeds 20s. Automatically stop when a signal is received or an operation is performed.

**Low power alarm**
The voice prompt is “Please charge” when the voltage is 3.4V, the transmission is prohibited when the voltage is 3.2V.

**Frequency-hopping encryption**
You can choose to turn on/off the function through the channel information bar on the PC software. After the function is turned on, you can’t communicate with the channel where the function is turned off, receiving the signal only by forcibly pressing the MONI key.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>General</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>FRS 462.5500 ~ 467.7125 MHz (RX &amp; TX)</td>
</tr>
<tr>
<td>Memory Channel</td>
<td>22 FRS Channels + 10 NOAA Weather</td>
</tr>
<tr>
<td>Operation Voltage</td>
<td>DC3.7V ±10%</td>
</tr>
<tr>
<td>Battery Capacity</td>
<td>1000mAh (Li-Ion)</td>
</tr>
<tr>
<td>Frequency Stability</td>
<td>±2.5ppm</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-20°C ~ +60°C</td>
</tr>
<tr>
<td>Mode of Operation</td>
<td>Simplex</td>
</tr>
<tr>
<td>Antenna Impedance</td>
<td>50ohm</td>
</tr>
</tbody>
</table>
NOTE:

Frequency Allocation:

<table>
<thead>
<tr>
<th>CH</th>
<th>Frequency</th>
<th>CTCSS</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>462.5625</td>
<td>67.0</td>
<td>High</td>
</tr>
<tr>
<td>2</td>
<td>462.5875</td>
<td>118.8</td>
<td>High</td>
</tr>
<tr>
<td>3</td>
<td>462.6125</td>
<td>127.3</td>
<td>High</td>
</tr>
<tr>
<td>4</td>
<td>462.6375</td>
<td>131.8</td>
<td>High</td>
</tr>
<tr>
<td>5</td>
<td>462.6625</td>
<td>136.5</td>
<td>High</td>
</tr>
<tr>
<td>6</td>
<td>462.6875</td>
<td>141.3</td>
<td>High</td>
</tr>
<tr>
<td>7</td>
<td>462.7125</td>
<td>146.2</td>
<td>High</td>
</tr>
<tr>
<td>8</td>
<td>467.5625</td>
<td>D243N</td>
<td>Low</td>
</tr>
<tr>
<td>9</td>
<td>467.5875</td>
<td>D032N</td>
<td>Low</td>
</tr>
<tr>
<td>10</td>
<td>467.6125</td>
<td>D047N</td>
<td>Low</td>
</tr>
<tr>
<td>11</td>
<td>467.6375</td>
<td>D051N</td>
<td>Low</td>
</tr>
<tr>
<td>12</td>
<td>467.6625</td>
<td>D053N</td>
<td>Low</td>
</tr>
</tbody>
</table>

Transmitter

- RF Output Power: ≤ 2W/0.5W (8CH-14CH)
- FM Modulation: 11K0F3E@12.5kHz
- Spurious Emission: -36dBm < 1GHz, -30dBm > 1GHz
- Adjacent Channel Power: 60dB @ 12.5kHz
- Transmission current: ≤ 600mA

Receiver

- Receive Sensitivity: 0.25μV (12dB SINAD)
- Adjacent Channel Selectivity: ≥55dB@12.5kHz
- Inter Modulation and Rejection: ≥55dB@12.5kHz
- Conducted Spurious Emission: ≤-57dB@12.5kHz
- Rated Audio Power Output: 0.75W @8ohms
- Receive current: ≤350mA
- Rated Audio Distortion: ≤5%

NOTE:

All specifications may be modified without prior notice or liability. Thank you.

Weather Channel Allocation:

<table>
<thead>
<tr>
<th>CH</th>
<th>Frequency</th>
<th>Weather CH</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1</td>
<td>162.550</td>
<td>NOAA1</td>
</tr>
<tr>
<td>N2</td>
<td>162.400</td>
<td>NOAA2</td>
</tr>
<tr>
<td>N3</td>
<td>162.475</td>
<td>NOAA3</td>
</tr>
<tr>
<td>N4</td>
<td>162.425</td>
<td>NOAA4</td>
</tr>
<tr>
<td>N5</td>
<td>162.450</td>
<td>NOAA5</td>
</tr>
<tr>
<td>N6</td>
<td>162.500</td>
<td>NOAA6</td>
</tr>
<tr>
<td>N7</td>
<td>162.525</td>
<td>NOAA7</td>
</tr>
<tr>
<td>N8</td>
<td>162.650</td>
<td>CANADA</td>
</tr>
<tr>
<td>N9</td>
<td>161.775</td>
<td>CANADA</td>
</tr>
<tr>
<td>N0</td>
<td>163.275</td>
<td>NOAA8</td>
</tr>
</tbody>
</table>

TROUBLESHOOTING GUIDE

<table>
<thead>
<tr>
<th>Phenomena</th>
<th>Analysis</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>You cannot turn on the radio</td>
<td>The battery may be installed improperly</td>
<td>Remove and reattach the battery</td>
</tr>
<tr>
<td></td>
<td>The battery power may run out</td>
<td>Recharge or replace the battery</td>
</tr>
<tr>
<td></td>
<td>The battery may suffer from poor contact caused by dirty or damaged battery contacts</td>
<td>Clean the battery contacts or replace the battery</td>
</tr>
</tbody>
</table>
### NOTE:
If the above solutions cannot fix your problems, or you may have some other queries, please contact your dealer for more technical support.

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The battery voltage maybe low</td>
<td>Recharge or replace the battery</td>
</tr>
<tr>
<td>The volume level may be low</td>
<td>Increase the volume</td>
</tr>
<tr>
<td>The antenna maybe loose or maybe installed incorrectly</td>
<td>Turn off the radio, and then remove and reattach the antenna</td>
</tr>
<tr>
<td>The speaker maybe blocked</td>
<td>Clean the surface of the speaker</td>
</tr>
<tr>
<td>You cannot communicate with other group members</td>
<td>The frequency or signaling type maybe inconsistent with that of other members. Verify that your TX/RX frequency and signaling type are correct</td>
</tr>
<tr>
<td>You may be too far away from other members</td>
<td>Move towards other members</td>
</tr>
<tr>
<td>You may be interrupted by radios using the same frequency</td>
<td>Change the frequency, or adjust the squelch level</td>
</tr>
<tr>
<td>The radio in analog mode maybe set with no signaling</td>
<td>Request your dealer to set signaling for the current channel to avoid interference</td>
</tr>
<tr>
<td>You cannot use the keys</td>
<td>The keypad may not work temporarily. Restart the radio.</td>
</tr>
<tr>
<td>The volume level may be low</td>
<td>Increase the volume</td>
</tr>
<tr>
<td>The speaker maybe blocked</td>
<td>Clean the surface of the speaker</td>
</tr>
<tr>
<td>The antenna maybe loose or maybe installed incorrectly</td>
<td>Turn off the radio, and then remove and reattach the antenna</td>
</tr>
<tr>
<td>You cannot communicate with other group members</td>
<td>The frequency or signaling type maybe inconsistent with that of other members. Verify that your TX/RX frequency and signaling type are correct</td>
</tr>
<tr>
<td>You may be too far away from other members</td>
<td>Move towards other members</td>
</tr>
<tr>
<td>You are unable to hear anyone because of too much noise and hiss</td>
<td>Move to an open and flat area, restart the radio, and try again</td>
</tr>
<tr>
<td>You may be too far away from other members</td>
<td>Move towards other members</td>
</tr>
<tr>
<td>The radio keeps transmitting</td>
<td>The VOX may be turned on or the headset is not installed in place. Turn off the VOX function. Check that the headphones are in place</td>
</tr>
<tr>
<td>You cannot use the keys</td>
<td>The keypad may not work temporarily. Restart the radio.</td>
</tr>
</tbody>
</table>

### Retevis Two Way Radio Computer Programming Operation Instruction

**Computer System Requirements**

Operating system: W98, WME, WXP, WVT, W7, W8, Win10

Hard disk space: more than 50MB

The minimum memory: 64MB

**Preparation**

1. Download Programming Driver and select the driver that match with your own system.
2. Install the Programming Driver (Or install it by running Software CD).
3. Download and install Programming Software (Or install it by running Software CD).
4. Connecting Personal Computer (PC) with the radio by the corresponding programming cable.

**Note:** 1. Serial port programming cable can be programmed directly. No installation needed.
2. Ensure the radio is full of power and is on.

**Start Programming**

1. Run programming software and click Setup-communication port. Choose the correct port corresponding with your PC. Otherwise, the radio will fail connecting with PC.
2. Click Program-Read From Radio, to upload frequencies from radio to software. The process will take a few seconds. Then you will find all channel settings show up.
3. Select the certain channel you want to modify and click Edit-Channel Edit/Batch Channel Edit.
4. Click Function Setting enable to modify general settings of the radio.
5. Click Program-Write To Radio, when finishing programming.
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 Warnings

RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE FOR PORTABLE WALKIE TALKIE

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

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safety booklet includes information and operating instruction s 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:
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

**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.
“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 care 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

WARNING
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, 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.