PORTABLE TWO-WAY RADIO
USER'S MANUAL

RT16
Thank you for your favor with our products.

We believe that this easy-to-use products 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.
Function Introduction

- LCD display monitor
- Frequency range: FRS
- Wide/narrow band selection: 12.5KHz
- LED Flashlight
- Output power: H:2W, L: 0.5W
- Support USB charging function
- 50 Groups CTCSS, 105 Groups DCS
- VOX
- Up to 99 Channels
- Time-out timer (TOT)
- Keyboard Beep
- Screen backlight
- Battery saving function
- Monitoring function
- Keyboard Locks
- FM Radio: 87-108MHz
- Dual standby function
- Multiple working modes are available
- Restore factory settings
- Weather forecast function (Only available in North America)
- 10 ringtone are available
Please read the following information in order to use this two-way radio safely and efficiently.
1. The maintenance work of the two-way radio can only be carried out by professional technical personnel; assembly/disassembly without permission is prohibited;
2. To avoid problems caused by electromagnetic interference and/or electromagnetic compatibility, please turn off the two-way radio in places with the sign “Please turn off two-way radio”, such as hospitals and other health care facilities.
3. When taking airplane, please turn off the two-way radio when the crew request.
4. In automobile with airbags, do not place the two-way radio in the inflation area of the airbags.
5. Turn off the two-way radio before entering the flammable and explosive environment;
6. Do not replace or charge the battery in flammable and explosive environments;
7. Turn off the two-way radio before approaching the blasting area and detonator area;
8. Do not use the two-way radio if the antenna is damaged, or else it may cause minor skin burns;
9. Do not expose the two-way radio to direct sunlight or near the heating device.
10. While the portable two-way radio is transmitting, keep the radio in a vertical position and keep the microphone about 5cm from the mouth.
11. Keep the two-way radio at least 2.5cm from the head or body during transmitting.
12. If you are wearing the portable two-way radio on your body, make sure that the antenna is at least 2.5cm away from the body when the two-way radio is transmitting.
13. If the two-way radio has any odor or smoke, turn off the power immediately and contact your dealer.
Familiar with the machine

LED Flashlight
Power and Volume Knob

Antenna

PTT Button
MENU Button
[ ]/[ ] Button

[▲]/[▼] Button
MONI Button
FM Button
Microphone

Micro USB Part

Earphone Socket
LAMP Button
LCD Screens

Speaker
[Power and Volume]: Power switch, adjust the volume.

[PTT]: When transmitting, press this button and speak to the microphone; release the button to receive.

[FM]: Press the button once to turn on the FM radio function, and then press the button again to turn off the FM radio function.

[LAMP]: Press to turn on the flashlight, press it again to make the flashlight flash, and press it again to turn off the flashlight.

[MENU]: Short press to enter menu setting function.

[MONI]: Monitoring Button, Short press for Monitoring function in normal mode; In menu mode press this key to exit.

[_RINGTONE]: Long press this button to turn on/off keypad lock, Short press for ringtone call. (Note: After the keyboard lock is opened, the function key and confirm key operations are invalid)

[▲]: Short press this button to up; Long press to switch A/B frequency.

[▼]: Short press this button to down; Long press to switch A/B frequency.
Combination key function
Call Tone: Press and hold [PTT] button and [MONI] button to transmit 1750Hz tone signaling, Release the [MONI] button to exit; Press and hold [PTT] button and [FM] button to transmit 1450Hz tone signaling; Press and hold [PTT] button and [획] button to transmit 1750Hz tone signaling.
## LCD icon and function description

<table>
<thead>
<tr>
<th>Icon</th>
<th>Icon name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>📡</td>
<td>Receiving and Transmitting</td>
<td>Receiving display: 🔴, Transmitting display: 🔵</td>
</tr>
<tr>
<td>📡</td>
<td>Normal mode display frequency; PMR and FRS</td>
<td>Display current channel, Press the [△]/[▽] button to select</td>
</tr>
<tr>
<td>📡</td>
<td>mode display channels</td>
<td></td>
</tr>
<tr>
<td>⚡</td>
<td>Battery level indicator</td>
<td>The more cells in the display, the more power the battery</td>
</tr>
<tr>
<td>📡</td>
<td>Channel number indication</td>
<td>01-99</td>
</tr>
<tr>
<td>🔗+</td>
<td>Frequency offset direction</td>
<td>When &quot;+&quot; is displayed, it represents positive difference frequency; when &quot;-&quot; is displayed, it represents negative difference frequency. Do not display for the same frequency transceiver.</td>
</tr>
<tr>
<td>📡VOX</td>
<td>VOX indication</td>
<td>VOX has been turned on</td>
</tr>
<tr>
<td>📡</td>
<td>Keypad lock indication</td>
<td>Keypad lock has been turned on(PTT button are not restricted)</td>
</tr>
<tr>
<td>📡</td>
<td>Field Strength</td>
<td>The signal intensity is displayed when receiving, the first five grids are displayed when low power is transmitted, and the full grid is displayed when high power is transmitted.</td>
</tr>
<tr>
<td>📡</td>
<td>Ringtone</td>
<td>1-10 Category</td>
</tr>
</tbody>
</table>
## LCD icon and function description

<table>
<thead>
<tr>
<th>Icon</th>
<th>Icon name</th>
<th>Description</th>
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<tbody>
<tr>
<td>S</td>
<td>Dual Standby</td>
<td></td>
</tr>
<tr>
<td>L</td>
<td>Low Power(Normal Mode)</td>
<td>When &quot;L&quot; is displayed, it represents low power transmission of the current channel; when is not displayed, it represents high power transmission.</td>
</tr>
<tr>
<td>N</td>
<td>Narrow Band (Normal Mode)</td>
<td>When &quot;N&quot; is displayed, it represents in the Narrow-band mode; when is not displayed, it represents in the broad-band mode</td>
</tr>
<tr>
<td>CT</td>
<td>CTCSS</td>
<td>CTCSS:50 Group(Normal Mode) 38 Group(FRS/PMR)</td>
</tr>
<tr>
<td>DCS</td>
<td>CDCSS</td>
<td>CDCSS:104 Group(Normal Mode) 83 Group(FRS/PMR)</td>
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</tbody>
</table>

## Brief of the Function

1. **Output Power:**
   - Normal Mode: Low 0.5W and High 2W;
   - FRS:2W

2. **Frequency Range:**
   - China: 409
   - TaiWan, China: 467
   - Europe: 446
   - USA: 442
   - Southeast Asia: 477
   - Philippines: 325
   - Australia: 476-477
   - Russia: 433
   - Norway: 444
   - Korea: 448-447
   - South Africa: 464

3. **Channels:**
   - Up to 99 Channels (Preset according to different countries or regions)
<table>
<thead>
<tr>
<th>Menu</th>
<th>Display Character</th>
<th>Set Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RXCODE (Receive CTCSS/DCS)</td>
<td>OFF, ctcss, dcs</td>
</tr>
<tr>
<td>2</td>
<td>TXCODE (Transmit CTCSS/DCS)</td>
<td>OFF, ctcss, dcs</td>
</tr>
<tr>
<td>3</td>
<td>SQL (Squelch level)</td>
<td>0--9 (Factory set to level 3)</td>
</tr>
<tr>
<td>4</td>
<td>LIGHT (Backlight)</td>
<td>OFF/ON /Key</td>
</tr>
<tr>
<td>5</td>
<td>BEEP (Keyboard Beep)</td>
<td>OFF/ON</td>
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<tr>
<td>6</td>
<td>VOX</td>
<td>OFF/1---5 level</td>
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<tr>
<td>7</td>
<td>PWR (Transmission power)</td>
<td>HIGH/LOW</td>
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<tr>
<td>8</td>
<td>TDR (Dual standby)</td>
<td>ON/OFF</td>
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<td>9</td>
<td>W/N (Wide band and narrow band)</td>
<td>WIDE/NARROW</td>
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<tr>
<td>10</td>
<td>SAVE (Power saving mode)</td>
<td>OFF/ON</td>
</tr>
<tr>
<td>11</td>
<td>TOT (Transmission time limit)</td>
<td>OFF/30/60/90/120/150/180S</td>
</tr>
<tr>
<td>12</td>
<td>BCLO (Busy channel lockout)</td>
<td>OFF/ON</td>
</tr>
<tr>
<td>13</td>
<td>RING (Ringtone)</td>
<td>OFF, 10 ringtone are available</td>
</tr>
<tr>
<td>14</td>
<td>WEATHE (Weather forecast)</td>
<td>OFF/ON</td>
</tr>
<tr>
<td>15</td>
<td>VOICE (Language)</td>
<td>OFF/CHI (Chinese)/ENG (English)</td>
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</tbody>
</table>
Select the RX CODE
1) Press the [MENU] button to enter into the MENU mode. Press the [△]/[▽] button to select 01 and display RXCODE;
2) Press the [MENU] button to enter the MENU item;
3) Press the [△]/[▽] button to select the required code: OFF/67.0 - 754N;
   Note: CTCSS: 67Hz-254.1Hz (50 group) DCS: 023N-754N/023l-754l (104 group)
4) Press the [△]/[▽] button to select the CTCSS/DCS;
5) Press [MENU] button to confirm;
6) Press [PTT] or [MONI] button exit to the menu mode.

Select the TX CODE
1) Press the [MENU] button to enter into the MENU mode. Press the [△]/[▽] button to select 02 and display TXCODE;
2) Press the [MENU] button to enter the MENU item;
3) Press the [△]/[▽] button to select the required code: OFF/67.0 - 754N;
   Note: CTCSS: 67Hz-254.1Hz (50 group) DCS: 023N-754N/023l-754l (104 group)
4) Press the $\uparrow/\downarrow$ button to select the CTC/DCS;
5) Press [MENU] button to confirm;
6) Press [PTT] or [MONI] button exit to the menu mode.

**Squelch Level**

1) Press the [MENU] button to enter into the MENU mode. press the $\uparrow/\downarrow$ button to select 03 and display SQL;
2) Press the [MENU] button to enter the MENU item;
3) Press the $\uparrow/\downarrow$ button to select: 0/1/2/3/4/5/6/7/8/9. (The lowest level is 0, The highest level is 9 Usually set to level 3)
4) Press [MENU] button to confirm;
5) Press [PTT] or [MONI] button exit to the menu mode.

**Backlight**

1) Press the [MENU] button to enter into the MENU mode. press the $\uparrow/\downarrow$ button to select 04 and display LIGHT;
2) Press the [MENU] button to enter the MENU item;
3) Press the [▲]/[▼] button to select: ON/OFF/KEY;
4) Press [MENU] button to confirm;
5) Press [PTT] or [MONI] button exit to the menu mode.

**Keyboard Beep**
1) Press the [MENU] button to enter into the MENU mode. press the [▲]/[▼] button to select 05 and display BEEP;
2) Press the [MENU] button to enter the MENU item;
3) Press the [▲]/[▼] button to select: ON/OFF;
4) Press [MENU] button to confirm;
5) Press [PTT] or [MONI] button exit to the menu mode.

**VOX**
1) Press the [MENU] button to enter into the MENU mode. press the [▲]/[▼] button to select 06 and display VOX;
2) Press the [MENU] button to enter the MENU item;
3) Press the[△]/[▼]button to select:OFF/1/2/3/4/5;
4) Press [MENU] button to confirm;
5) Press[PTT]or[MONI]button exit to the menu mode.

Note: The minimum sensitivity is 5, when background noise is high to use.
The highest sensitivity is 1, when background noise is low to use.
When VOX is opened, VOX icon appears in the upper left corner of the LCD.

Transmitting Power
1) Press the [MENU] button to enter into the MENU mode.press the[△]/[▼]button to select 07 and display PWR;
2) Press the [MENU] button to enter the MENU item;
3) Press the[△]/[▼]button to select:HIGH/LOW;
4) Press [MENU] button to confirm;
5) Press[PTT]or[MONI]button exit to the menu mode.
Dual Standby
1) Press the [MENU] button to enter into the MENU mode. press the[△]/[▽] button to select 08 and display TDR;
2) Press the [MENU] button to enter the MENU item;
3) Press the[△]/[▽] button to select: OFF/ON;
4) Press [MENU] button to confirm;
5) Press[PTT]or[MONI] button exit to the menu mode.

Wide Band and Narrow Band
1) Press the [MENU] button to enter into the MENU mode. press the[△]/[▽] button to select 09 and display WN;
2) Press the [MENU] button to enter the MENU item;
3) Press the[△]/[▽] button to select: WIDE/NARROW;
4) Press [MENU] button to confirm;
5) Press[PTT]or[MONI] button exit to the menu mode.
Power Saving Mode

1) Press the [MENU] button to enter into the MENU mode. press the [△]/[▽] button to select 10 and display SAVE;
2) Press the [MENU] button to enter the MENU item;
3) Press the [△]/[▽] button to select: ON/OFF;
4) Press [MENU] button to confirm;
5) Press [PTT] or [MONI] button exit to the menu mode.

Transmission time limit (TOT)

1) Press the [MENU] button to enter into the MENU mode. press the [△]/[▽] button to select 11 and display TOT;
2) Press the [MENU] button to enter the MENU item;
4) Press [MENU] button to confirm;
5) Press [PTT] or [MONI] button exit to the menu mode
Busy Channel Lockout (BCLO)

1) Press the [MENU] button to enter into the MENU mode. Press the [△]/[▽] button to select 12 and display BCLO;
2) Press the [MENU] button to enter the MENU item;
3) Press the [△]/[▽] button to select: ON/OFF;
4) Press [MENU] button to confirm;
5) Press [PTT] or [MONI] button to exit to the menu mode.

Ringtone

1) Press the [MENU] button to enter into the MENU mode. Press the [△]/[▽] button to select 13 and display RING;
2) Press the [MENU] button to enter the MENU item;
Note: Each time you select a call tone, you can listen to the call tone
4) Press [MENU] button to confirm;
5) Press [PTT] or [MONI] button to exit to the menu mode. Press the button to send the selected ring tone.
**Weather Forecast Menu Setting**

1) Press the [MENU] button to enter into the MENU mode. press the[△]/[▽]button to select 14 and display WEATHE;
2) Press the [MENU] button to enter the MENU item;
3) Press the[△]/[▽]button to select:OFF/ON
4) Press [MENU] button to confirm;
5) Press[PTT]button exit to the menu mode.

-If the menu item is selected as ON, the radio enters the weather forecast mode.
-If the menu item is selected as OFF, the radio return to normal operation mode.

**Weather Forecast Channel Setting**

In weather forecast receiving mode,Press the[△]/[▽]button to select weather forecast channel (CH 1 - CH 11).

Note:In weather forecast receiving mode, the radio receiving and transmitting function is deacti-vated.
<table>
<thead>
<tr>
<th>CH1: 162.550</th>
<th>CH2: 162.400</th>
<th>CH3: 162.475</th>
<th>CH4: 162.425</th>
<th>CH5: 162.450</th>
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</thead>
<tbody>
<tr>
<td>CH6: 162.500</td>
<td>CH7: 162.525</td>
<td>CH8: 161.650</td>
<td>CH9: 161.775</td>
<td>CH10: 161.750</td>
</tr>
<tr>
<td>CH11: 162.000</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

### Language

1) Press the [MENU] button to enter into the MENU mode. Press the [△] /[▽] button to select 15 and display VOICE;

2) Press the [MENU] button to enter the MENU item;

3) Press the [△] /[▽] button to select: OFF/CHI/ENG

4) Press [MENU] button to confirm;

5) Press [PTT] button exit to the menu mode.

- If the menu item is selected as OFF, the radio turn off the voice prompt.
- If the menu item is selected as CHI, the radio voice prompt is Chinese.
- If the menu item is selected as ENG, the radio voice prompt is English.

Note: In Normal Mode, the LCD display frequency and channel;

   In PMR/FRS Mode, the LCD display channel number.
<table>
<thead>
<tr>
<th>Serial number</th>
<th>CTCSS</th>
<th>Serial number</th>
<th>CTCSS</th>
<th>Serial number</th>
<th>CTCSS</th>
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<tbody>
<tr>
<td>0</td>
<td>OFF</td>
<td>12</td>
<td>100.0</td>
<td>24</td>
<td>151.4</td>
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<td>107.2</td>
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## Technical Specification

### General

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Frequency range</td>
<td>FRS</td>
</tr>
<tr>
<td>Memory channels</td>
<td>22 Groups</td>
</tr>
<tr>
<td>Operation temperature</td>
<td>-20°C—+50°C</td>
</tr>
<tr>
<td>Operation voltage</td>
<td>DC 3.7V</td>
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<tr>
<td>Mode of operation</td>
<td>Simplex</td>
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<tr>
<td>Frequency stability</td>
<td>± 2.5ppm</td>
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<tr>
<td>Antenna impedance</td>
<td>50 Ω</td>
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</table>

### Receiver

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity</td>
<td>&lt;0.16uv (12dB SINAD)</td>
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<tr>
<td>Squelch Sensitivity</td>
<td>&lt;0.2uv</td>
</tr>
<tr>
<td>Audio power</td>
<td>≥ 380mW</td>
</tr>
<tr>
<td>Audio distortion</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>Intermediation(W/N)</td>
<td>≥ 65dB</td>
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<tr>
<td>Receiver current</td>
<td>≤ 380mA</td>
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### Transmitter

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF Power</td>
<td>≤ 2W</td>
</tr>
<tr>
<td>Maximum deviation</td>
<td>≤ ± 5KHz</td>
</tr>
<tr>
<td>Spurious emission</td>
<td>≤ −60dB</td>
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<tr>
<td>Transmission current</td>
<td>≤ 1000mA</td>
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<tr>
<td>Preemphasis Character</td>
<td>6dB per octave</td>
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</table>
RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE FOR PORTABLE TWO-WAY RADIOS

Before using this radio, read this guide which contains important operating instructions for safe usage and RF energy awareness and control for compliance with applicable standards and regulations.

This two-way radio uses electromagnetic energy in the radio frequency (RF) spectrum to provide communications between two or more users over a distance. RF energy, which when used improperly, can cause biological damage.

All Retevis two-way radios are designed, manufactured, and tested to ensure they meet government-established RF exposure levels. In addition, manufacturers also recommend specific operating instructions to users of two-way radios. These instructions are important because they inform users about RF energy exposure and provide simple procedures on how to control it.

Please refer to the following websites for more information on what RF energy exposure is and how to control your exposure to assure compliance with established RF exposure limits: http://www.who.int/en/

Local Government Regulations
When two-way radios are used as a consequence of employment, the Local Government Regulations requires users to be fully aware of and able to control their exposure to meet occupational requirements. Exposure awareness can be facilitated by the use of a product label directing users to specific user awareness information. Your Retevis two-way radio has a RF
Exposure Product Label. Also, your Retevis user manual, or separate safety booklet includes information and operating instructions required to control your RF exposure and to satisfy compliance requirements.

**Radio License**
Governments keep the radios in classification, business two-way radios operate on radio frequencies that are regulated by the local radio management departments (FCC, ISED, OFCOM, ANFR, BFTK, Bundesnetzagentur...). To transmit on these frequencies, you are required to have a license issued by them. The detailed classification and the use of your two radios, please contact the local government radio management departments.

Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

**Unauthorized modification and adjustment**
Changes or modifications not expressly approved by the party responsible for compliance may void the user’s authority granted by the local government radio management departments to operate this radio and should not be made. To comply with the corresponding requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services.

Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the local government radio management departments equipment authorization for this radio could violate the rules.

**FCC Requirements:**
This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this
device does not cause harmful interference. (Licensed radios are applicable); This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (Other devices are applicable)
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CE Requirements:
• (Simple EU declaration of conformity) Shenzhen Retevis Technology Co., Ltd. declares that the radio equipment type is in compliance with the essential requirements and other relevant provisions of RED Directive 2014/53/EU and the ROHS Directive 2011/65/EU and the WEEE Directive 2012/19/EU; the full text of the EU declaration of conformity is available at the following internet address: www.retevis.com.
• Restriction Information
This product can be used in EU countries and regions, including: Belgium (BE), Bulgaria (BG), Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania (LT),
ATTENTION

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
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.
- **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.
ATTENTION

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 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,
ATTENTION

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

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.

Note: Exercise care when handling batteries. Excessive pressure on batteries can create a short circuit causing battery terminals to become hot.
**ATTENTION**

**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
Note:
1. This warranty card is only applicable to two-way radio of the above-listed model and serial number.
2. The warranty card is an important document for the end-user to enjoy warranty service, please keep it well.
3. The warranty card shall be filled and chopped by the dealer, or it is invalid.

Customer's name: __________________________ Gender: __________________________
Add and postal code: __________________________
Customer's Tel: __________________________
Model: __________________________
Serial number: __________________________
Purchasing date: __________________________
Invoice No.: __________________________
Dealer: __________________________ Stamp: __________________________
Add and postal code of the dealer: __________________________
Contact Tel: __________________________
Handling people: __________________________
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E-mail: kam@retevis.com
Facebook: facebook.com/retevis