

## **For user**

For optimum performance from this product. please read this manual and the supplied Safety Information Booklet carefully before use.

Do not use this radio or charge the battery in an explosive environment, such as gas, dust, smoke, etc. Do not leave the radio in a dusty or wet environment. It is very important for the user to understand all instructions before using the radio

## **ATTENTION**

Please read the following brief instructions, non-compliance with these instructions may cause danger or be unlawful.

1. Obey the government regulation before using this radio, improper operation may violate the law.
2. Do not use in explosive areas.
3. Do not charge or change the battery in explosive areas.
4. Do not use the radio with a damaged antenna, touching a damaged antenna will cause heat injury.
5. Do not attempt to open the radio: the maintenance work must be done by technical experts only.
6. To avoid troubles caused by electromagnetic interference or electromagnetic compatibility, please turn off the radio in places where signed: Using radio equipment close to electronic equipment can cause it to malfunction.
7. In a car with a safety airbag, do not put the radio within the scope of the airbag.
8. Do not place the radio under the direct sunlight or very hot locations.
9. When transmitting keep antenna away from internal body parts.
10. If you smell burning, please switch off radio's power immediately and contact your local supplier.

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## UNPACKING AND DEVICE CHECKING

Thank you for purchasing the iradio digital handheld transceiver.

Before using:

1. Please check whether the packing box is damaged..
2. Please unpack packing box carefully, and confirm the following list of items are in the box. If any items are missing or have been damaged during shipment, please contact radio supplier immediately.

### Supplied Accessories

| ITEM           | QTY |
|----------------|-----|
| Antenna        | 1   |
| Li-ion Battery | 1   |
| Power Adapter  | 1   |
| Charger        | 1   |
| Belt Clip      | 1   |
| Strap          | 1   |
| Manual         | 1   |



Antenna



Li-ion battery



power adapter



Charge



Belt clip



Strap

**Note:**

The pictures above are for reference only.

## **BATTERY INFORMATION**

### **Charging Li-ion Battery**

Please charge the battery before using. Charge-discharge cycle two times can make the battery capacity achieve better performance. When the battery power is low, please recharge the battery or replace with a spare battery.

### **Applicable Battery Type**

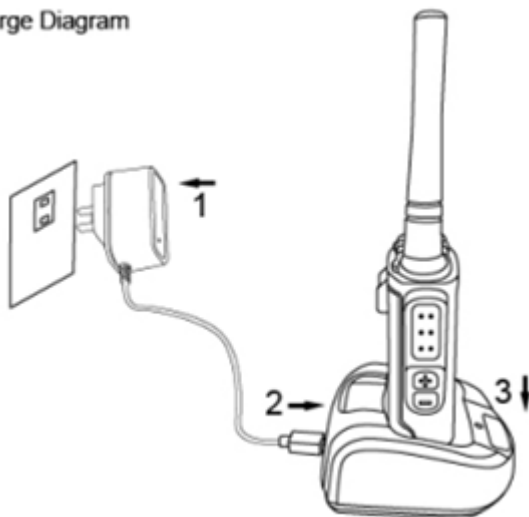
Please use Liberty designated battery as any other battery may cause explosion.

### **The procedure of charging:**

Use only the designated charger and battery, the LED on charger can indicate the charging stage.

#### **◆ Charge Diagram**

Charge Diagram



#### **◆ Procedures**

1. Connect the power adapter to AC socket, "1".

2.Plug the power adapter into the rear jack of the charger,"2".

3.Place the radio with the battery attached, into the charger,"3"

| LED Indicator | Status        |
|---------------|---------------|
| Red           | Charging      |
| Green         | Fully charged |

**Warning:**

For safety the lithium battery is not charged before shipment.

- ① When charging, it is better to turn off the radio..
- ② Charge battery by desktop charger or USB plug.
- ③ While charging, the indicator light will turn red.
- ④ It needs at least 4 to 5 hours to charge the battery fully. When charging is completed, the indicator light will turn green.

- ◆ If charging the battery for a long time, it will shorten the service life of the lithium battery. When the battery is full, please stop charging.
- ◆ the charger is only for this model radio.
- ◆ The battery should be placed in a cool, dry place after full charge. Do not expose to heat source or exposure to the sun.
- ◆ You can not transmit while charging.
- ◆ The battery will heat up while charging, this is a normal phenomenon.

## CARE AND CLEANING

To guarantee optimal performance as well as a long service life of the product, please follow the tips below.

### Product Care

- ◆ Do not pierce or scrape the product with any sharp instruments.
- ◆ Keep the product far away from substances that can corrode the circuit.
- ◆ Do not hold the product by its antenna or earpiece cable directly.
- ◆ Attach the accessory jack cover when the product is not in use.

### Product Cleaning

- ◆ Clean up the radio and charger with a clean and dry lint-free cloth.
- ◆ Use neutral cleanser and a non-woven fabric to clean the keys control knobs and front case after long-time use. Do not use chemicals such as stain removers, alcohol sprays or oil preparations, to avoid surface case damage. Make sure the product is completely dry before use.



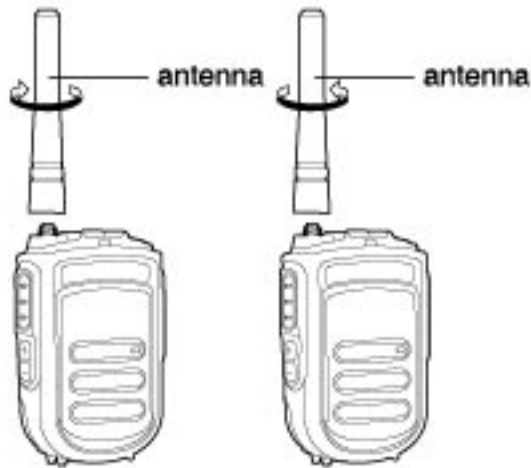
**Caution:** Power off and remove the battery before cleaning.



## PREPARATION BEFORE USING

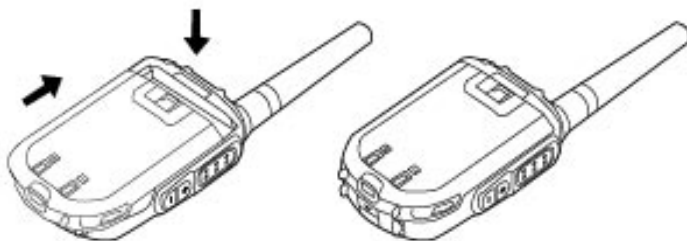
### Assembling the antenna

Turn the antenna clockwise to fasten it.



### Assembling the battery

1. Slide the battery into the radio's slot.

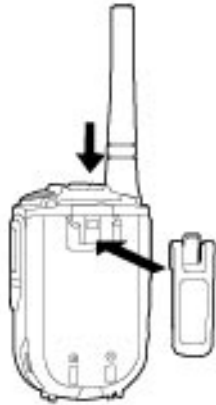


2. To remove the battery, turn off the radio. Press release button and slide the battery latch upward to release the battery.



### **Install belt clip**

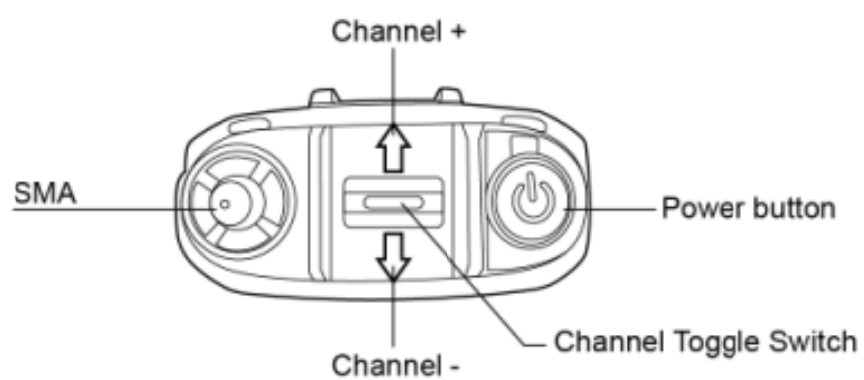
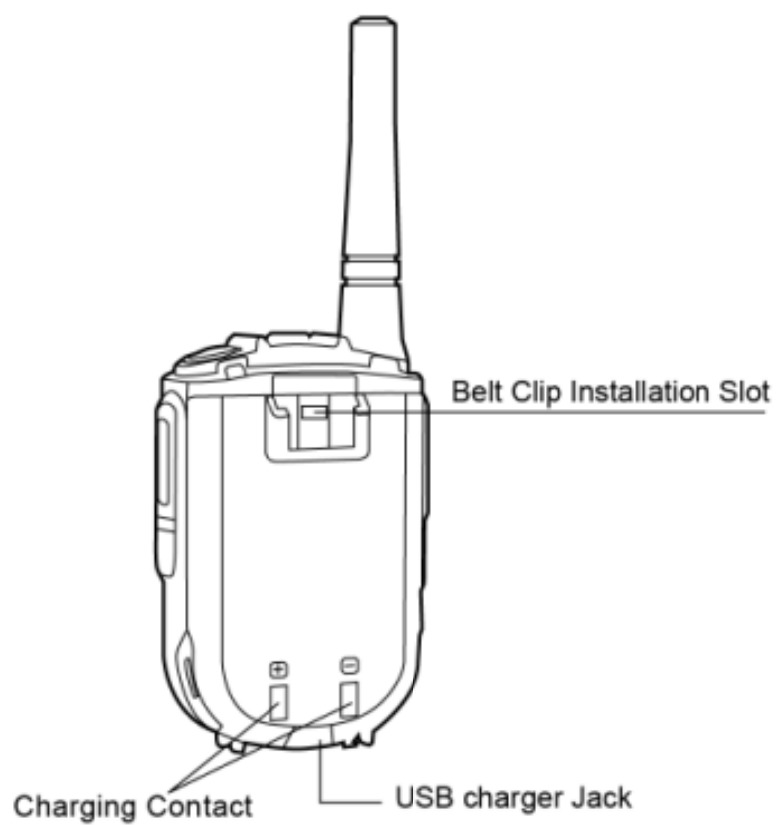
Slide the belt clip into the slot until it clicks.

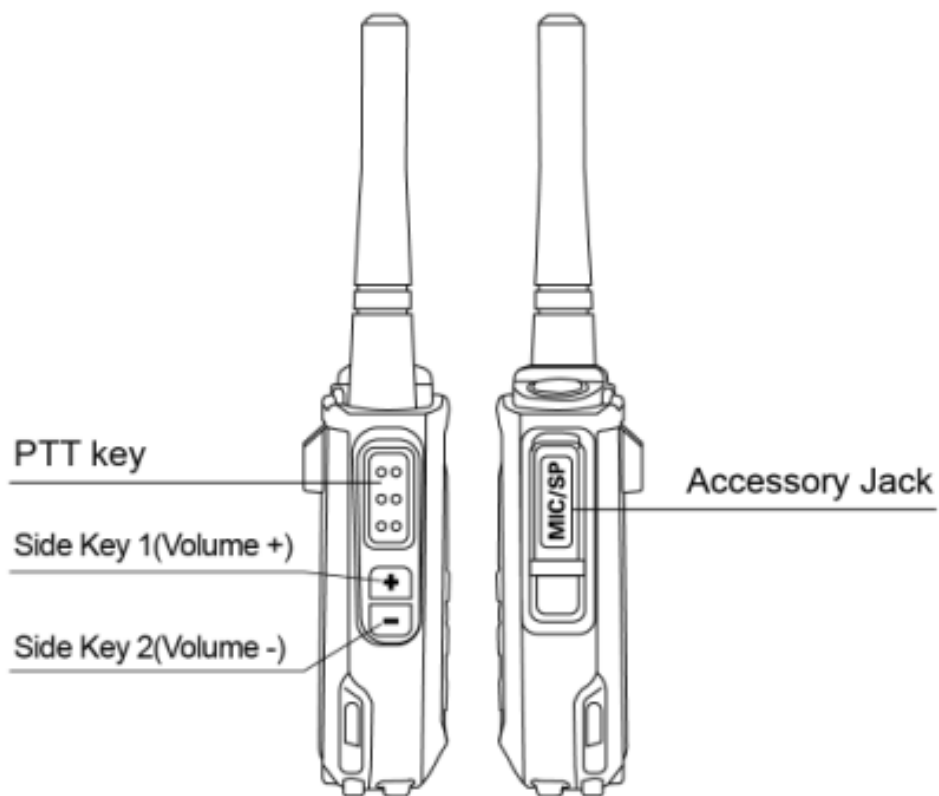


## Be familiar with the radio

### Schematic diagram of the whole radio

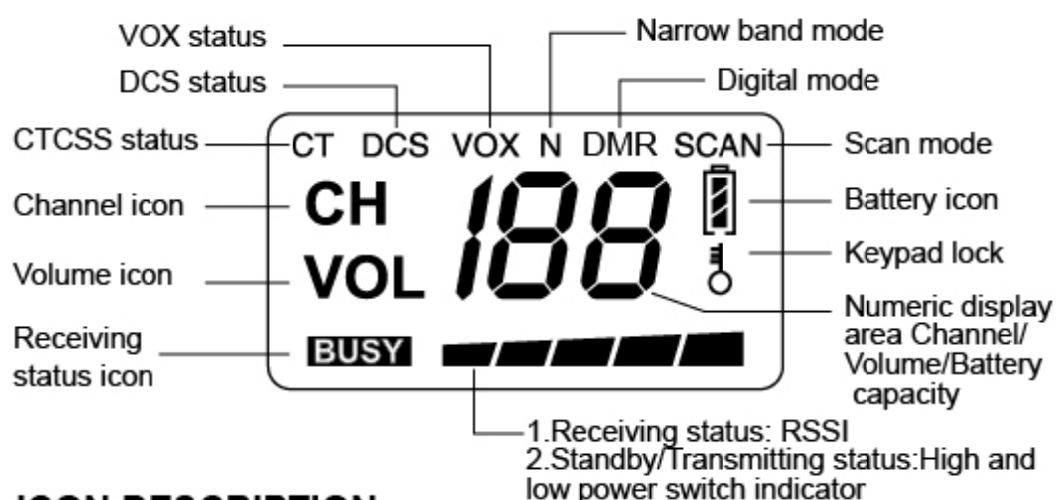






**Side key function:**

**No set ; Volume + ; Volume - ; Analog monitor ; Scan ; VOX ; Repeater/Talk around ; High/Low power ; Turn on/off screen display.**



## ICON DESCRIPTION

| No | ICON | FUNCTION DESCRIPTION  |
|----|------|---|
| 1  | CT   | CTCSS status  |
| 2  | DCS  | DCS status  |
| 3  | VOX  | To make the radio transmit automatically when you speak.                                    |
| 4  | N    | Narrow band mode  |
| 5  | FM   | Radio mode  |
| 6  | SCAN | To listen to communication activities on other channels.                                    |
| 7  | CH   | Channel   |
| 8  | VOL  | Volume indication   |
| 9  | 188  | Channel number  |
| 10 | BUSY | Busy channel lockout  |
| 11 |      | Battery indication  |
| 12 |      | Keyboard lock   |
| 13 |      | Receiving status: Received signal strength<br>Transmitting status:High/Low power indication |

## **BASIC OPERATIONS**

### **Turning the radio on/off**

In the shut down status, long press the red power button until a click is heard to turn the radio on/off.

### **Adjusting the volume**

After the radio is powered on, press [side key 1] to increase the volume, press [side key 2] to decrease the volume, a total of 10 levels to choose, level 0 is turn off the communication voice.

### **Transmitting / Receiving**

To transmit audio signals, press and hold down the [PTT] button, and speak into the microphone. During transmission, the LED glows red.

To receive, just release the [PTT] button. When any audio signal is received, the LED glows green.



**Note:**

- 1.To ensure optimal volume of the receiving radio, hold the radio approximately 2.5 to 5 centimeters away from your mouth.
- 2.Communication range may get affected in rainy days or forest locations.

### **Monitor(Analog)**

This feature allows you to lower the conditions for incoming signal match.

Long press [side key 1] 2 seconds, and then you can monitor the current channel signal, the status of the light is green. It will exit the monitor status after released the [side key 1] .

## Selecting a channel

Push up[channel selection key]to choose more lower channel, and push down to choose more higher channel. Or long press down to choose the channel rapidly.



**Note:**

**When the radio is currently on a blank channel, it will sound beep tones continuously.**

## Keyboard lock

Long press[channel selection key]2 seconds, the device prompts the beep sound and keyboard will be locked, the screen will display "🔒". At the same time, the device can not switch the channel and adjust the volume. Then press [channel selection key] 2 seconds to unlock keyboard lock.

## Scan

This feature allows you to listen to communication activities on other channels so that you can keep a close track of your team members. The scan list can be set by your dealer.

1.In boot status, press [side key 2] 2 seconds to enter channel scan mode, screen displays [SCAN] and voice prompt "scan". While in scanning mode, the device will detect the received signals of each channel, and it will stop scan until the signal is found.

2.When the device is scanned into an active signal, the device will remain on the current channel until the signal disappears. The scan status will be



recovered after signal disappeared 5 seconds.

3. In scan status, press [side key 2] 2 seconds again to exit the scan mode, screen display [SCAN] will disappear while voice prompts "scan off".



**Note:** You can not enter the scan mode until at least 2 active channels have been stored.

### **Low battery alert**

This feature allows you to know the low battery status. When battery power lower than  $25 \pm 5$ , the LED will flash red, and the tone "Please charge the battery" will sound periodically. In this case, please replace or charge the battery.

1. When the battery voltage is 0, the device will shut down automatically to protect the radio. And limit the user to boot. please replace the new battery or charge the battery.

2. When the operating voltage of the device is higher than 4.5V, the machine will automatically shutdown to protect the radio, and limit the user to boot. Please pay attention to the normal operating voltage range of the equipment: 3.3V ~ 4.2V.

### **Battery strength indicator**

This feature allows you to know the current battery strength.

Double press the red power button, it will display the percentage of battery strength.

## **FUNCTION SETTING(by programming software)**

### **Squelch level settings**

This radio provide 0-9 grade level to select, Users need to make reasonable settings according to the actual operation environment. The higher the grade is, the higher the strength of the communication signal need. Please do not set arbitrarily , so as not to affect the effective communication distance.



#### **Note:**

0 level is equal to close the squelch level setting, device will always open the receiving channel. The factory setting is level 5.

### **Transmit power level settings**

Equipment provide high/low power for user to choose, please select and set according to the actual using environment.

### **Voice reporting number settings**

This radio provide Chinese/English and no number reporting, please select and set according to the actual using environment.

### **Time-out-timer (TOT)**

The purpose of TOT is to prevent any user from occupying a channel for an extended period. This function will limit the transmit time, when it exceed setting time, radio will stop transmit and keep beeping. To stop beeping, You can Press [PTT] again to resume the transmit status. This radio provide 15-600 seconds for user reference in analog channel. And

provide 30-270 seconds in digital channel.

Programming procedure:

“Channel” → “More” → “TX Setting ” → “Time-out timer(s)”

### **Transmit authority settings**

When the current channel is in a receive state, if the launch permission function is set, the device will limit the transmitting operation according to the set trigger condition, mean while if user press [PTT] key, radio will prompt a alarm then back to receive state.

Programming procedure:

“Channel” → “More” → “TX Setting ” → “Tx authority” → “Admit criteria/Channel free”



Note:

In digital channel, “In call criteria” settings will determine whether to activate emission limits.

### **Battery save**

In standby mode, when no signal is received/transmitted or no operation (key press) is performed for 10 seconds(can programming by software),the radio will automatically enter battery save mode to reduce power consumption. The radio may exit the battery save mode and get activated as soon as any key is pressed or any signal is received.

Users can turn on/off the battery save function by software. Specific start up time and power saving mode, please select according to the specific use environment.

**Suggestion:** it is recommended to turn on the power-saving function,

and the power-saving mode is best within the "1:2"! If you set up too higher will resulting in delay the call, but can reduce the standby power consumption. Please select according to the specific use environment.

### **VOX settings**

This feature allows you to transmit your voice with no need to press the [PTT].However, you must employ a dedicated earpiece to realize the function.

1.User can turn on/off the VOX function by program software. User also can set the side key function into “VOX”, then you can turn on the VOX by press side key. After turn on this function, the screen will display “VOX”.

2.It has 9 levels for users to choose, among them, level 1 is the highest sensitivity, level 9 is the lowest. If you turn on VOX function, please turn off the launch end prompt if without use external headset.

### **Screen display and settings**

Display function can be turned on/off by program software. The screen display time can be set by program software. User also can set the side key function into “Display”, then you can turn on/off the screen display by press side key. After exceed the setting time, the screen display will turn off automatically.

## **Read/Write frequency password settings**

The device has read and write frequency encryption settings. When the option is opened, please keep the password in mind. Otherwise, if you forget the password, you will not be able to communicate with the device by programming software!

The initial password for the software is: 000000. Users can change into any valid password which contains 6 digits.

## **Digital relay function settings**

This setting will be valid when the digital channel's TX/RX frequency is different.

Users can set the frequency of repeater by pressing "Channel" → "More", then making a tick at "relay" to turn on relay function. You can also customize the side key function for quick operation.

After turning on the relay function, you can set the number of repeated transmissions when the device is accessing the relay by pressing "Basic Setting" → "Setting" → "Relay Retransmission". The recommended value is not less than 5 times, and the user can adjust the settings according to the use environment.



Note: This device supports digital channel which does not require access to the repeater then can be realized in one channel with different frequency under the condition of direct call. If the user is in a different state, if not open "relay" function, the equipment will continue to maintain a normal digital communication mode.

## **Digital communication function settings**

### **1.Contacts**

The device provides 64 digital contact to setting.

When adding a contact person, the software will configure an ID to the user by default. The user can also define the ID number of the current contact person within the range of 0-16776415. The ID number of this contact corresponds to the ID number of the device you want to call, and the machine ID number is set in "Basic Setting"→"Setting"→"Serial No."→"Machine number".

The "call type" determines the call mode of the current contact, and the device provides three options: "group call", "single call" and "all call". The user can set according to the specific situation. In "all call" mode, the ID will be set by the device, the user does not need to define their own.

In the digital channel, Press "more"→"Contacts No.", can set the corresponding call. If you set the "contacts No." to: "none", the device will not be able to transmit signal.

### **2.RX Group Lists**

The device supports up to 32 contact lists, and the user can use the right mouse button to click the "RX Group Lists" menu for editing.

### **3.Digital channel communication encryption function**

The device provides 10 groups with a length of 10 hexadecimal (0 ~ f) password set. Do not set the password too close, at least to ensure that

more than five characters are different.

In the digital channel, Press "more"→"Encryption" can select whether to activate, and the specific "Encryption Key No." In the case of activation, only the password is consistent, the device can receive the signal normally.

### **QT and DQT selective**

This device provide QT\*39 and DQT\*83 for user reference. Please setting by program software.

### **QT code**

|           |        |           |         |           |         |           |         |           |         |           |         |
|-----------|--------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
| <b>1</b>  | 62.5Hz | <b>11</b> | 91.5Hz  | <b>21</b> | 127.3Hz | <b>31</b> | 167.9Hz | <b>41</b> | 199.5Hz | <b>51</b> | 254.1Hz |
| <b>2</b>  | 67.0Hz | <b>12</b> | 94.8Hz  | <b>22</b> | 131.8Hz | <b>32</b> | 171.3Hz | <b>42</b> | 203.5Hz |           |         |
| <b>3</b>  | 69.3Hz | <b>13</b> | 97.4Hz  | <b>23</b> | 136.5Hz | <b>33</b> | 173.8Hz | <b>43</b> | 206.5Hz |           |         |
| <b>4</b>  | 71.9Hz | <b>14</b> | 100.0Hz | <b>24</b> | 141.3Hz | <b>34</b> | 177.3Hz | <b>44</b> | 210.7Hz |           |         |
| <b>5</b>  | 74.4Hz | <b>15</b> | 103.5Hz | <b>25</b> | 146.2Hz | <b>35</b> | 179.9Hz | <b>45</b> | 218.1Hz |           |         |
| <b>6</b>  | 77.0Hz | <b>16</b> | 107.2Hz | <b>26</b> | 151.4Hz | <b>36</b> | 183.5Hz | <b>46</b> | 225.7Hz |           |         |
| <b>7</b>  | 79.7Hz | <b>17</b> | 110.9Hz | <b>27</b> | 156.7Hz | <b>37</b> | 186.2Hz | <b>47</b> | 229.1Hz |           |         |
| <b>8</b>  | 82.5Hz | <b>18</b> | 114.8Hz | <b>28</b> | 159.8Hz | <b>38</b> | 189.9Hz | <b>48</b> | 233.6Hz |           |         |
| <b>9</b>  | 85.4Hz | <b>19</b> | 118.8Hz | <b>29</b> | 162.2Hz | <b>39</b> | 192.8Hz | <b>49</b> | 241.8Hz |           |         |
| <b>10</b> | 88.5Hz | <b>20</b> | 123.0Hz | <b>30</b> | 165.5Hz | <b>40</b> | 196.6Hz | <b>50</b> | 250.3Hz |           |         |

**DQT code**

|           |       |           |       |           |       |           |       |           |       |           |       |
|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|
| <b>1</b>  | D023N | <b>17</b> | D116N | <b>33</b> | D243N | <b>49</b> | D365N | <b>65</b> | D546N | <b>81</b> | D734N |
| <b>2</b>  | D025N | <b>18</b> | D125N | <b>34</b> | D244N | <b>50</b> | D371N | <b>66</b> | D565N | <b>82</b> | D743N |
| <b>3</b>  | D026N | <b>19</b> | D131N | <b>35</b> | D245N | <b>51</b> | D411N | <b>67</b> | D606N | <b>83</b> | D754N |
| <b>4</b>  | D031N | <b>20</b> | D132N | <b>36</b> | D251N | <b>52</b> | D412N | <b>68</b> | D612N |           |       |
| <b>5</b>  | D032N | <b>21</b> | D134N | <b>37</b> | D261N | <b>53</b> | D413N | <b>69</b> | D624N |           |       |
| <b>6</b>  | D043N | <b>22</b> | D143N | <b>38</b> | D263N | <b>54</b> | D423N | <b>70</b> | D627N |           |       |
| <b>7</b>  | D047N | <b>23</b> | D152N | <b>39</b> | D265N | <b>55</b> | D431N | <b>71</b> | D631N |           |       |
| <b>8</b>  | D051N | <b>24</b> | D155N | <b>40</b> | D271N | <b>56</b> | D432N | <b>72</b> | D632N |           |       |
| <b>9</b>  | D054N | <b>25</b> | D156N | <b>41</b> | D306N | <b>57</b> | D445N | <b>73</b> | D654N |           |       |
| <b>10</b> | D065N | <b>26</b> | D162N | <b>42</b> | D311N | <b>58</b> | D464N | <b>74</b> | D662N |           |       |
| <b>11</b> | D071N | <b>27</b> | D165N | <b>43</b> | D315N | <b>59</b> | D465N | <b>75</b> | D664N |           |       |
| <b>12</b> | D072N | <b>28</b> | D172N | <b>44</b> | D331N | <b>60</b> | D466N | <b>76</b> | D703N |           |       |
| <b>13</b> | D073N | <b>29</b> | D174N | <b>45</b> | D343N | <b>61</b> | D503N | <b>77</b> | D712N |           |       |
| <b>14</b> | D074N | <b>30</b> | D205N | <b>46</b> | D346N | <b>62</b> | D506N | <b>78</b> | D723N |           |       |
| <b>15</b> | D114N | <b>31</b> | D223N | <b>47</b> | D351N | <b>63</b> | D516N | <b>79</b> | D731N |           |       |
| <b>16</b> | D115N | <b>32</b> | D226N | <b>48</b> | D364N | <b>64</b> | D532N | <b>80</b> | D732N |           |       |



# Trouble shooting

| Phenomena   | Analysis  | Solution  |
|---|---|---|
| The radio can not be powered on.  | The battery may be improperly installed.  | Remove the battery and attach it again.   |
|   | The battery may suffer from poor contact caused by dirtied or damaged battery contacts. | Clean the battery contacts. If the problem can not be solved, contact your dealer or our authorized service center for inspection and repair.   |
|   | The battery may run out.  | Recharge or replace the battery.  |
| During receiving signals, the voice is weak, discontinuous or totally inactive. | The battery strength may too low.   | Recharge or replace the battery.  |
|   | The volume may be set to a low lever.   | Increase the volume by press the [+] button.  |
|   | The antenna may get loose or may be improperly installed.                               | Power off the radio, re-install the antenna and power on the radio again.   |
|   | The speaker may be blocked or damaged.  | Clean surface of the speaker. If the problem can not be solved, contact your dealer or our authorized service center for inspection and repair. |
| You can not communicate with other members.                                     | The frequency or signaling may be inconsistent with that of other members.              | Set your TX/RX frequency and signaling to the same as that of other members.  |
|   | You may be too far away from the group members.   | Move towards other members. And make sure that you are within the communication range.  |
| Irrelevant communication activities or  | You may be interrupted by radios using the same frequency.                              | Change the frequency, or adjust the squelch level.  |

|                                  |   |  |
|----------------------------------|---|--|
| noises are heard on the channel. | The radio may set with no signaling.  | Set signaling for all member radios to avoid interference at the same frequency.       |
| The noise is too loud.           | You may be too far away from other members.   | Move towards other members. And make sure that you are within the communication range. |
|                                  | You may be at an unfavorable position. For example, your communication may be blocked by high buildings or frustrated in the underground areas. | Move to an open and flat area, and restart the radio.                                  |
|                                  | You may suffer from external disturbance (such as electromagnetic interference).  | Stay away from equipment that may cause interference.                                  |



#### **Note:**

If the above solutions can not fix your problems, or you may have some other queries, please contact us or your local dealer for more technical support.

## TECHNICAL SPECIFICATIONS

### GENERAL

|                                  |  |
|----------------------------------|--|
| Frequency range                  | 400~470MHz   |
| Channel capacity                 | 128 channel<br>(Share by digital and analog mode)              |
| Working voltage                  | DC 3.7V  |
| Antenna impedance                | 50Ω  |
| Frequency Stability              | ±2.5ppm  |
| Working current of whole machine | TX: ≤ 1.4A    Low power: 0.7A<br>RX: ≤ 0.7A<br>Standby: ≤ 0.1A |
| Working mode                     | The same frequency simplex<br>/Different frequency simplex     |
| Battery Capacity                 | 1500mAh  |
| Working temperature              | -20~+50℃   |
| Weight                           | 135g (not contain antenna& belt clip)                          |
| Dimension(L*W*H)                 | 90mm*61mm*30mm (not contain antenna& belt clip)                |

### Transmitter

|                        |   |
|------------------------|---|
| Output power           | High power: $2W \pm 20\%$<br>Low power: $0.5W \pm 20\%$ |
| Modulation mode        | Analog: FM<br>Digital:4FSK                              |
| Modulation error rate  | $\leq 5\%$  |
| Modulation deviation   | $\leq 2.5\text{KHz (N)}$                                |
| Spurious radiation     | $\leq 7.5\mu\text{W}$                                   |
| Adjacent channel power | $\leq -60\text{dB (N)}$                                 |

### Receiver

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Analog RF sensitivity(12dB SINAD) | $\leq 0.25\mu\text{V}/12.5\text{KHz}$ |
| Digital RF sensitivity            | $0.22\mu\text{V (BER 5\%)}$           |
| Audio distortion                  | $\leq 10\%$                           |
| Audio power                       | 1W                                    |
| Clutter suppression               | $\geq 65\text{dB}$                    |

**Note:**The above parameters are subject to change without prior notice!

## **Guarantee**

Model Number:

Serial Number:

Purchase Date:

Dealer:

Telephone:

User`s Name:

Telephone:

Address:

Post Code:

## **Remarks:**

- 1.This guarantee card to be kept by user, we will not re offer if lost.
- 2.This guarantee card should be filled by dealer, otherwise it`s invalid.
- 3.Do not alter the guarantee card, please confirm that the serial number on the guarantee card is the same with radio.
- 4.One-year guarantee for radio, half a year guarantee for accessory.
- 5.Users can get maintenance service from following ways:
  - Go to the shop where you bought the radio
  - Find our local maintenance agent
  - Send back to our company

## FCC Statement

### INFORMATION TO THE DIGITAL DEVICE USER REQUIRED BY THE FCC

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 generate 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 the 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 to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer for technic

### FCC WARNING

This equipment generates or uses radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved by the party responsible/Iradio Electronics Co., Ltd. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

This Iradio transceiver has been tested and complies with the standards listed below, in regards to Radio Frequency (RF) energy and electromagnetic energy (EME) generated by the transceiver.

- FCC 47 CFR 1.1307, 1.1310 & 1.1093 RF exposure limits for Occupational Use Only. RF Exposure limits adopted by the FCC are generally based on recommendations from the National Council on Radiation Protection and Measurements & the American National Standards Institute.
- American National Standards Institute (ANSI)/Institute of Electrical and Electronic Engineers (IEEE) C95.1: 2005

The following list provides you with the information required to ensure that you are aware of RF exposure and of how to operate this transceiver so that the FCC RF exposure limitations are not exceeded.

- While transmitting (holding the PTT switch or speaking with VOX enabled), always keep the antenna and the radio at least 2.5cm (1 inch) from your body or face, as well as from any bystanders.
- Do not transmit for more than 50% of the total transceiver use time; transmitting over 50% of the total use time may exceed the limits in accordance to the FCC RF exposure requirements. Nominal transceiver operation is 5% transmission time, 5% reception time, and 90% stand-by time.
- **Use only the specified antenna for this transceiver; this may be either the antenna provided with the transceiver or another antenna authorized by Iradio.** Use only Iradio authorized accessories (antennas, battery packs, belt clips, Speaker/Mics or headsets etc.): When worn on the body, always place the radio in a Iradio recommended clip or carrying case meant for this product. The use of other than recommended or approved body-worn accessories may result in RF exposure levels which exceed the FCC's occupational/controlled environment RF exposure limits.

To control your exposure and ensure compliance with the occupational/controlled environment exposure limits always adhere to the following procedures.

#### Guidelines:

Do not remove the RF Exposure Label from the device.

User awareness instructions should accompany device when transferred to other users.

Do not use this device if the operational requirements described herein are not met.