

USER'S MANUAL

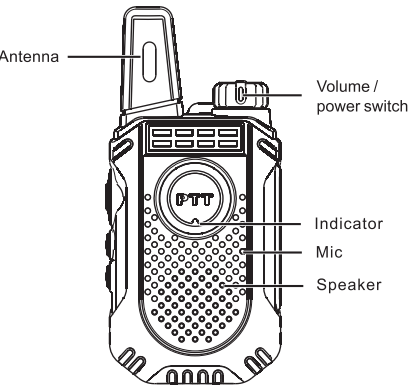
Thanks for purchasing two-way-radio. This transceiver offers reliable,clear and efficient telecommunication service.Using compact design for more easier to carry.We believe this easily used machine will provide you the reliable communication.

Accessories list

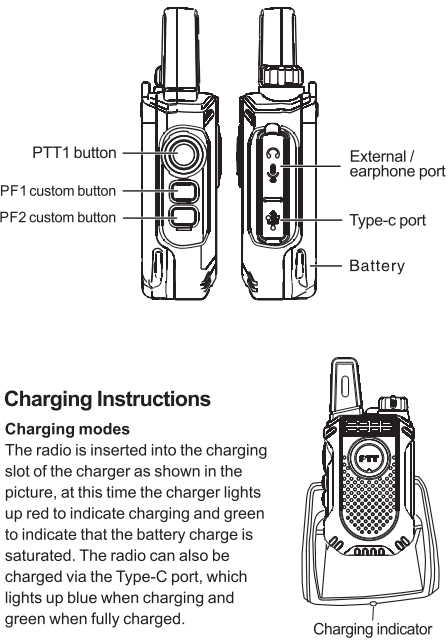
| Item              | Quantity |
|-------------------|----------|
| Two way radio     | 1        |
| Battery pack 3.7V | 1        |
| Charger           | 1        |
| Belt clip         | 1        |
| Hand strap        | 1        |
| User's manual     | 1        |

1

Familiarity with the radio



2



Charging Instructions

**Charging modes**  
The radio is inserted into the charging slot of the charger as shown in the picture, at this time the charger lights up red to indicate charging and green to indicate that the battery charge is saturated. The radio can also be charged via the Type-C port, which lights up blue when charging and green when fully charged.

3

Basic operation and function descriptions

**Power on/off**  
Turn the volume switch potentiometer clockwise to hear a "click" to turn the power on, and counterclockwise to hear a "click" to turn the power off.

**Call**  
Press and hold the PTT button to transmit, the indicator lights up red, then speak into the microphone hole and the other party will hear your spoken message. Release the PTT button when you have finished speaking and then accept the other person's spoken message, the green light indicator lights up at the same time when the other person's message is received.

**Volume up/down**  
Volume up by turning the volume switch potentiometer clockwise, volume down by turning the volume switch potentiometer counterclockwise

**Adjusting the channel**  
Short press PF1, channel +  
Short press PF2, channel -

**Low battery alarm**  
When the radio displays the voice alert "low battery" it means that the battery voltage is below the operating voltage, please charge the radio.

4



**Monitor**  
Press the side button set with the monitor function to turn on the monitor, release the button to turn off the monitor function.

**VOX**  
Press the side button with the VOX function set to turn the VOX function on or off.

**Power switching**  
Press the side button set with the power switching function to switch between high or low power.

**Scanning**  
Press the side button with the scanning function set to enable scanning. The scanning mode can be selected from both carrier and time modes. Repeat the operation to switch off scanning.

**Frequency hopping function**  
Frequency hopping is the radio's digital subsonic encryption feature.

5

CTCSS ( 50 in total )

|       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 67.0  | 69.3  | 71.9  | 74.4  | 77.0  | 79.7  | 82.5  | 85.4  | 88.5  | 91.5  |
| 94.8  | 97.4  | 100.0 | 103.5 | 107.2 | 110.9 | 114.8 | 118.8 | 123.0 | 127.3 |
| 131.8 | 136.5 | 141.3 | 146.2 | 151.4 | 156.7 | 159.8 | 162.2 | 165.5 | 167.9 |
| 171.3 | 173.8 | 177.3 | 179.9 | 183.5 | 186.2 | 189.9 | 192.8 | 196.6 | 199.5 |
| 203.5 | 206.5 | 210.7 | 218.1 | 225.7 | 229.1 | 233.6 | 241.8 | 250.3 | 254.1 |

DCS ( 116\*2 in total )

|       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| D017N | D023N | D025N | D026N | D031N | D032N | D036N | D043N | D047N | D050N |
| D051N | D053N | D054N | D055N | D065N | D071N | D072N | D073N | D074N | D114N |
| D115N | D116N | D122N | D125N | D131N | D132N | D134N | D135N | D143N | D145N |
| D152N | D155N | D156N | D162N | D165N | D172N | D174N | D205N | D212N | D217N |
| D223N | D225N | D226N | D243N | D244N | D245N | D246N | D251N | D252N | D254N |
| D255N | D261N | D263N | D265N | D266N | D271N | D274N | D305N | D306N | D311N |
| D315N | D325N | D331N | D332N | D343N | D345N | D346N | D351N | D356N | D364N |
| D365N | D371N | D411N | D412N | D413N | D423N | D425N | D431N | D432N | D445N |
| D446N | D452N | D454N | D455N | D462N | D464N | D465N | D466N | D503N | D506N |
| D516N | D523N | D526N | D532N | D534N | D546N | D565N | D606N | D612N | D624N |
| D627N | D631N | D632N | D645N | D654N | D662N | D664N | D703N | D712N | D723N |
| D731N | D732N | D734N | D743N | D754N | D765N |       |       |       |       |

|       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| D017I | D023I | D025I | D026I | D031I | D032I | D036I | D043I | D047I | D050I |
| D051I | D053I | D054I | D055I | D065I | D071I | D072I | D073I | D074I | D114I |
| D115I | D116I | D122I | D125I | D131I | D132I | D134I | D135I | D143I | D145I |
| D152I | D155I | D156I | D162I | D165I | D172I | D174I | D205I | D212I | D217I |
| D223I | D225I | D226I | D243I | D244I | D245I | D246I | D251I | D252I | D254I |
| D255I | D261I | D263I | D265I | D266I | D271I | D274I | D305I | D306I | D311I |
| D315I | D325I | D331I | D332I | D343I | D345I | D346I | D351I | D356I | D364I |
| D365I | D371I | D411I | D412I | D413I | D423I | D425I | D431I | D432I | D445I |
| D446I | D452I | D454I | D455I | D462I | D464I | D465I | D466I | D503I | D506I |
| D516I | D523I | D526I | D532I | D534I | D546I | D565I | D606I | D612I | D624I |
| D627I | D631I | D632I | D645I | D654I | D662I | D664I | D703I | D712I | D723I |
| D731I | D732I | D734I | D743I | D754I | D765I |       |       |       |       |

6

Technical specifications

|                              |  |
|------------------------------|--|
| Frequency range              | 462.5500-462.7250MHz<br>462.5625-462.7125MHz<br>467.5625-467.7125MHz |
| Number of channels           | 22   |
| Audio distortion             | <5%  |
| Frequency Stability          | ≤ 2.5ppm   |
| Maximum Frequency Skew       | ≤5KHz/≤2.5KHz  |
| Spurious radiation           | ≤ -13dBm   |
| Modulation method            | 11K φ F3E  |
| Reference sensitivity        | ≤0.25uV/≤0.3uV   |
| Squelch On Sensitivity       | ≤0.2uV/≤0.25uV   |
| Adjacent channel selectivity | ≥65dB  |
| Spurious response rejection  | ≥55dB  |
| Intermodulation              | ≥60dB  |
| Current                      | ≤1.3A  |
| Operating voltage            | 3.7V DC  |

7

Warranty Card

Model Number: \_\_\_\_\_  
Serial Number: \_\_\_\_\_  
Purchasing Date: \_\_\_\_\_  
Dealer: \_\_\_\_\_ Telephone: \_\_\_\_\_  
User's Name: \_\_\_\_\_ Telephone: \_\_\_\_\_  
Address: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

- Warranty instructions:**
- This warranty card shall be kept by the customer as a warranty certificate and will not be made up for loss.
  - This card must be covered by the point of sale and the date of completion before it can take effect.
  - This card may not be modified, please confirm that the warranty card series number is consistent with the purchase radio number, otherwise it is invalid.
  - The warranty period is one year, chargers, batteries, earphones, antennas and feeder are consumables and are not covered by warranty.
  - Users can choose the following channels to obtain maintenance services:
    - Handle it at the original purchase office.
    - Our company is at the local special maintenance point.

## FCC Warning

Any Changes expressly or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(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 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.

SAR tests are conducted using standard operating positions accepted by FCC with the device transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. Before a new model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each product are performed in positions and locations as required by the FCC.

For body worn operation, this device has been tested and meets the FCC RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal.

To maintain compliance with FCC RF exposure guidelines hold the transmitter and antenna at least 1 inch (2.5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away from the face.

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to comply with the FCC RF exposure requirement, the antenna installation must comply with the following:

Users must be fully aware of the hazards of the exposure and able to exercise control over their RF exposure to qualify for the higher exposure limits.

Your wireless hand-held portable transceiver contains a low power transmitter. This product sends out radio frequency (RF) signals when the Push-to-Talk (PTT) button is pressed.

The device is authorized to operate at a duty factor not to exceed 50%.