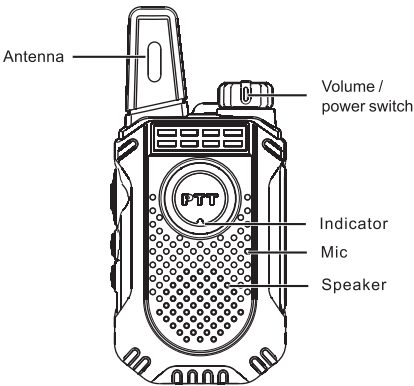# USER'S MANUAL

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.
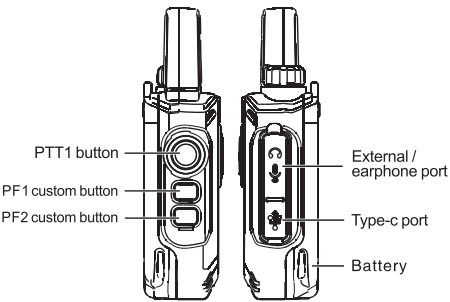
Accessories list

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

Familiarity with the radio

Antenna

Volume / power switch

Indicator

Mic

Speaker

PTT1 button

PF1 custom button

PF2 custom button

External / earphone port

Type-c port

Battery

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.

Charging indicator
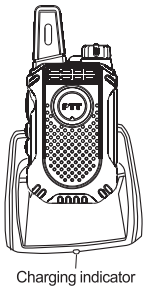
Basic operation and function descriptions

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.

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.

RECYCLABLE PACKAGING

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				

Technical specifications

Frequency range	462.5500-462.7250MHz 462.5625-462.7125MHz 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	11KφF3E
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

Warranty Card

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

Warranty instructions:
1. This warranty card shall be kept by the customer as a warranty certificate and will not be made up for loss.
2. This card must be covered by the point of sale and the date of completion before it can take effect.
3. 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.
4. The warranty period is one year, chargers, batteries, earphones, antennas and feeder are consumables and are not covered by warranty.
5. Users can choose the following channels to obtain maintenance services:
a. Handle it at the original purchase office.
b. Our company is at the local special maintenance point.

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 a available for sale to the public, it must be tested and certified to the FCC that is 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 and accessory designated for this product or when used with and 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 and uncontrolled environment. In order to comply with the FCC RF exposure requirement, the antenna installation must comply with 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%.