

# 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.

## Charging notice

Charging mode:  
When the walkie-talkie is inserted into the charging dock, the red light indicates that charging is started, while the green light indicates that the battery is fully charged. The blue light turns on when charging through the Type-C connector and turns off when fully charged.

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## Basic operation and function explanation

### Power on/power off

Clockwise rotating the volume switch to hear a "click" broadcast "Welcome to use", indicating that the power is turned on, and anticlockwise rotation volume switch to heard the "click" sound that indicating the power is turned off.

### Communication

Press and hold the PTT button to launch. The indicator light will turn red. You can now speak into the microphone, and the other party will hear your voice. Once you have finished speaking, release the PTT button to receive the other party's voice. The green indicator will light up when we receive the other party's message.

### Volume increase/decrease

Turn the volume potentiometer clockwise to increase volume and counterclockwise to decrease volume.

### Channel adjustment

Clockwise rotation of the knob channel or anticlockwise rotation of the knob channel to adjust the channels.

### Insufficient battery voltage reminder

When the radio reports the voice prompt, "Please change the battery" and the indicator lights flickering the red light, it means that the battery voltage is low, please charge the battery.

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## Monitor On/Off

Short pressing or long pressing the setting PF1/PF2 key to open the monitoring Function, listen to the channel you choose, if there is no signal, it sounds the sound of "rusty"; loose the button to close the monitoring function.

## VOX on/ off

Short pressing or long -press the setting PF1/PF2 key with voice control to open the voice control function. When you hear the "Di", means the voice control function is turned on, then repeatedly press PF1/PF2 to adjust the sound control level. The higher the level, the smaller the voice of the voice control. When hear sound "Di" again means close the voice control function.

## Voice control delay

Short pressing or long -press the setting PF1/PF2 key with sound control delays, hearing "Di" to switch a delay time, with 0.5S, 1.5S, 2S, 2.5S, and 3S to choose from. After setting to the end of the talking, it also keeps the time sending to prevent the voice control from losing words.

## Scan on/off

Short pressing or long pressing the setting PF1/PF2 key with scanning to open the scanning function. When you hear the "Di", the green light flashing and started scanning. When receiving signal, the radio stop scanning and automatically begin scanning after the signal off. And Short pressing or long pressing the

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setting PF1/PF2 key again to turn off the scan function.

## Alarm on/off

Short pressing or long pressing the PF1/PF2 key to turn on the alarm function, and press PTT key to turn off the alarm function.

## Frequency Hopping

Set on or off on the programming software, the radio must turn on frequency hopping at the same time then can communicate. This function is to encrypt the signal to prevent the signal from being disturbed by others.

## frequency conversion

Turn on or turn off the frequency conversion on programming software. After the frequency conversion is turned on, the frequency of the transmitting radio will jump, and the receiver will follow the same frequency.

## CTCSS QT/ Digital CTCSS DQT

The CTCSS QT/Digital CTCSS DQT signaling can be set through programming on the intercom channels. In channels with CTCSS/Digital CTCSS signaling, the squelch can only be activated in response to a signal that uses the same CTCSS/Digital CTCSS. If the same channel is called with a different QT/DQT, the squelch cannot be turned on, and only the green light will be on. The CTCSS QT has 50 groups/The Digital CTCSS DQT positive and reverse total 214 groups, the list is as follows:

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## CTCSS ( 50 groups )

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 ( 107\*2 groups )

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

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

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## Specification

Frequency range	VHF/UHF
Number of Channels	16
Audio Distortion	<5%
Frequency Stability	± 2.5ppm
Maximum Frequency Offset	≤5KHz/≤2.5KHz
Stray Radiation	≤7uW
Modulation Mode	FM
Reference Sensitivity	≤0.25uV / ≤0.3uV
Squelch on Sensitivity	≤0.2uV / ≤0.25uV
Adjacent Channel Selectivity	≥65dB
Spurious Response Suppression	≥55dB
Ntermodulation	≥60dB
Electric Current	≤ 1.5A
Operating Voltage	3.7V DC

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## 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.



RECYCLABLE PACKAGING