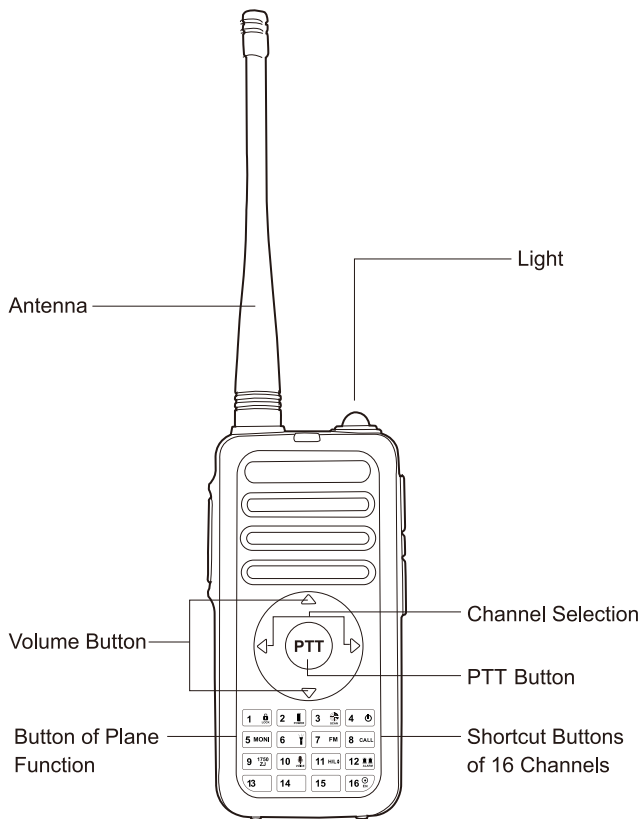
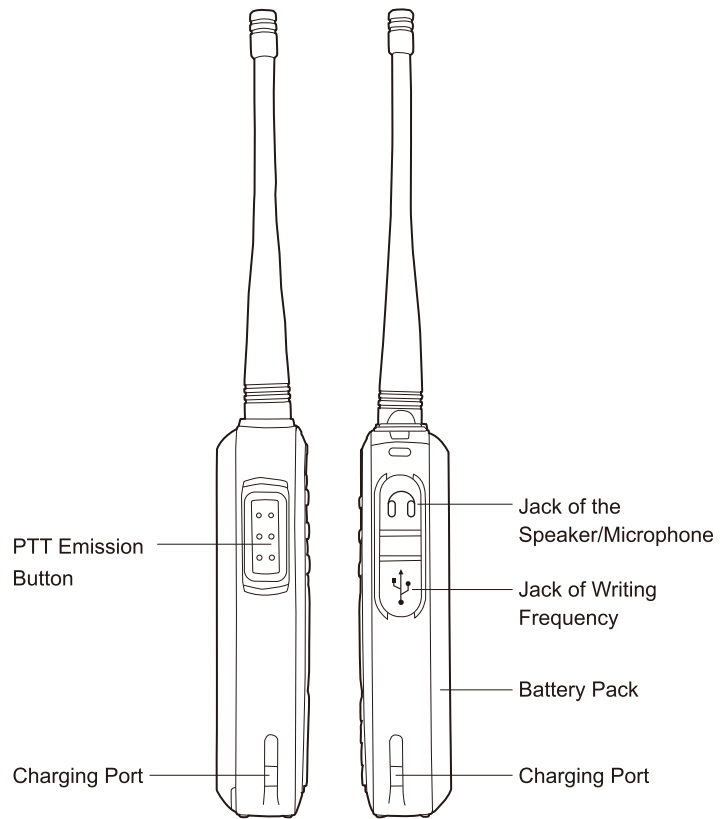


USER'S MANUAL

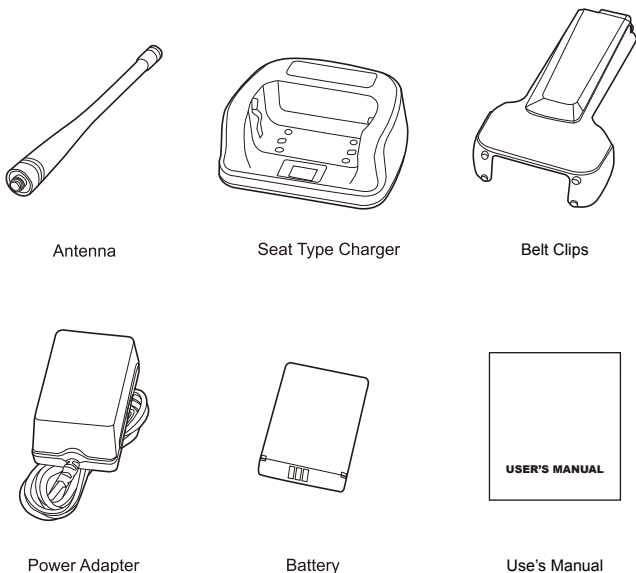


01



02

SUPPLIED ACCESSORIES



03

BATTERY INFORMATION

1. CHARGING LI-ION BATTERY PACK

The battery is not charged in the factory. Before new, please charge rechargeable batteries that are new or not used for a long time. Repeat charge/discharge for twice or three times to make battery capacity achieve the best state.

When battery power is low, please charge the battery or charge the battery.

2. BATTERY APPLIED

Please use the battery specified for charging; using other batteries may cause explosion, causing bodily injury.

Notes

1. If the battery pack has been fully charge, please do not charge it again, otherwise the service life of the battery pack may shorten or it may be damaged.
2. After recharging the battery pack, please take it from the battery charge, since charging the battery pack for more than 5 days will cause shortening of the service life of the battery pack resulting from over charging.
3. The environmental temperature during charging should be between 0 and 40 degrees centigrade. Charging beyond the range may affect correct charging.
4. During charging, please power off the radio with battery. Using the radio during charging may affect correct charging.
5. During the whole charging process, please try not to plug or pull out the power supply or the battery, to avoid interference to charging process.
6. If the service time is significantly reduced even after completely correct charging, the battery can not used any more. Please replace a new battery.
7. If the battery is fully charged, please do not remove the plug and recharged it, otherwise the service life of the battery pack may shorten or it may be damaged.
8. When the battery or radio is wet, don't charge it. Before charging, use dry cloth to wipe it, to avoid danger.

SWITCHING POWER SUPPLY

Turn it on and press the power button [4] for 3 seconds, turn on the radio power and you can hear "tick" twice at the same time. If the afuction of voice number reporting is enabled for the radio, the radio will voice broadcast current corresponding channel.

VOLUME ADJUSTMENT

Press the navigation button VOL [up] [down] to adjust the volume among eight levels.

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CHANNEL SELECTION

Press numeric button 1-16 or navigation buttons CH [left] [right] to select the channel needed.

SETTINGS OF THE MAIN CHANNEL

1. Select a channel from 1 to 16 channels before pressing numeric button [16] for 3 seconds. Settings of the main channel can also be done through computer programming.
2. If the current channel is not the main channel, and there is no operation within reset time of the main channel, the radio will automatically return the main channel set currently.
3. Main channel reset time can be set by function setting in the writing-frequency software (can be set to 10 seconds, 20 seconds...600 seconds). Setting of the main channel can be by the setting function.

PTT EMISSION BUTTON

1. Before calling, hold the "PTT button" while talking to the microphone in normal voice. Both side PTT emission button and navigation PTT button can do normal emission.
2. Please keep 5-10 cm between lips and the microphone.

KEYBOARD LOCKOUT

Press numeric button [1] for 2 seconds, lock the keyboard, operate it again, and unlock the keyboard.

ELECTRICITY PROMPT

Press numeric button [2] for 2 seconds to get the current battery electricity values.

SCANNING

Press numeric button [3] for 2 seconds and get the voice prompt of scanning. At the moment, the radio conducts channel scanning from 1 to 16 channels in order. Exit the channel scanning by pressing any buttons.

ON AND OFF

Turn on/off of the radio by pressing numeric button [4] for 3 seconds.

MONITORING

Change to monitoring mode by pressing numeric button [5] for 2 seconds.

LIGHT

Press numeric button [6] for 2 seconds, and the light turns on and it turns

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Enable the function, change to power saving mode after being under standby state without signal receiving or emission for 10 seconds.

4. Time-out time

Prevent any call with too long hold-up time. If it continuously emits longer than programming time set, the radio may stop emitting and send out a warning.

5. Voice Control Gain Inversion Level

The function is to adjust voice control sensitivity.

6. Scanning Mode Carrier Wave/Time

7. Setting of the Main Channel

8. Reset Time of the Main Channel

9. Beep

After enabling the function, press the numeric button, and it beeps and responding voice. Disable the function, there is no beep if press the numeric button.

10. Warning Tone for Emission End

After enabling the function, there is a beep after emission and the voice will be sent to the other party.

11. High/Low Power

12. Selection of Broadband/Narrow Band

Selection broadband for frequency space >25KHz and narrow band for frequency space <25KHz.

13. Busy Channel Lockout

Enabling the function can prevent interference by other radios using the same channel. If you press the [PTT] button during key channel occupancy, the radio may send out warning and cannot emit signals, and it returns to the receiving mode.

14. Scrambling/Companding

Scrambling/companding mode is available.

15. QT/DQT

1. Both 39 standard sets of continuous tone controlled squelch system modules and 83 sets of continuous digital controlled squelch systems (can be set by computer programming software KD-C21) are available.
2. Select random non-standard continuous tone controlled squelch systems for frequency between 60Hz and 260Hz.
3. Select random non-standard continuous digital controlled squelch systems for frequency between 000N and 777N, 000I and 777I.

16. PTT button code sending (PTT-ID) and dual tone multiple frequency (DTMF) signal. The function can set the interphone to emit by pressing PTT button or send dual tone multiple frequency voice after loosening. Set parameters in the writing-frequency software, with specific operations as follows:

1. Connect the computer with a writing-frequency line to read the

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off after another operation.

FM RADIO

Press numeric [7] for 2 seconds to the radio mode. Press CH [left] [right] to search radio frequency automatically, quit the radio after another operation.

CALL

By setting the dual tone multiple frequency (DTMF) signal, conduct the work by pressing numeric button [8] for 2 seconds or sending code by PTT button.

EMITTING 1750 RELAY SIGNAL

Press numeric button [9] for 2 seconds. 1750 signal can be sent, which is mainly used to open an emission signal in a European relay station. The function is unavailable for domestic relay station.

VOICE CONTROL FUNCTION

Press 2 numeric button [10] for 2 seconds to enable the voice control function of the current channel, and function disables after another operation.

HIGH/LOW POWER

Press numeric button [11] for 2 seconds to switch high/low power of the current channel.

WARNING

Press numeric button [12] for 2 seconds to enable warning function. The radio in the same channel can receive the warning signal. Press PTT button to quit warning function.

SETTING OF THE MAIN CHANNEL

Press numeric button [16] for 2 seconds to set the main channel. Adjust the channel to the one needed, and press numeric button [16] for 2 seconds, then the main channel setting complete.

COMPUTER PROGRAMMING

Read the frequency within the radio with the computer, and the following functions can be set by function settings:

1. Voice Notification on/off

2. Squelch

Adjust squelch to make it under better state without squelch disturbance.

3. Power Saving Function

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radio information. Click "edit" and "DTMF" in the toolvar, and set the encoding in PTT-ID and DTMF codes.

2. After setting up, select "more" in the channel to set dual tone multiple frequency for channel editing. Select DTMF optional signalings in the PTT-ID options to select DTMF.

17. Stun and Kill

The function is usually used for leasing or losing. If leasing customers do not return it overdue or it is lost, make it stun or kill to make it unavailable. It can be set by writing-frequency software, and scrambling or companding can not be selected for the channel set the function.

The Whole Part	
Frequency Range	
Rated voltage	DC.7.2(Li-ion battery)
Memory channel	16 Channels
Antenna configuration	Inductive Loaded Antenna
Antenna Impedance	50Ω
Working	Same-Frequency Simplex Or Different-Frequency Simplex
volume	121×59×27mm
Emission Part	
Output Power	5W
Modulation Mode	Frequency Adjustment
Maximum Frequency Deviation	≤ ±5KHz
Residual Wave Radiation	<-60dB
Pre-emphasis Features	Per octave 6dB
Emission Current	≤ 1.3A
Receiving Part	
Sensitivity	<0.18uV(12dB SINAD)
Silencing Sensitivity	<0.2uV
Intermodulation Power	50dB
Audio Power	≥ 300dB
Received Current	≤ 300mA
Silencing Waiting	60mA

■ The best frequency points for the model are between 430-460MHz. We may change the specifications for technical improvement without prior notice.

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