

USER'S MANUAL



- UHF(400-470MHz) Super Receiving
- Scanning
- VOX
- Alarm Function
- Chinese/English Voice Prompt
- Wide/Narrow Band Selection
- High-Low Power Selection
- Busy Channel Lockout
- Low Battery Warning
- 50 CTCSS/208 DCS

◆◆ Charging the Battery

- 1.The battery is not charged in the factory,please charge the battery under the environmental temperature 5—40 before using.
- 2.After purchasing or long-term storage(more than two months), charging the battery for the first time can not reach its saturation capacity,repeat charge/discharge for twice or three times to make battery capacity achieve the best state.
- 3.Before charging,please power off the transceiver,using the transceiver during charging may affect correct charging.
- 4.If the battery has been charged fully,please do not charge it again,otherwise the service life of the battery may be shorten or may be damaged.
- 5.If the service time is significantly reduced even after completely correct charging,the battery can not be used any more,please replace a new battery.

◆◆ BASIC OPERATION

- **Power Switch(Volume Knob)**
Turn the power switch to turn on/off the power.
When power-on,turn the volume knob to adjust the volume.
- **Channel Selection**
Turn the channel knob to adjust the channels.
- **PTT**
Press this button whenever you wish to talk with the user of the other radio.
- **Monitoring**
Press **【UP】** key to enter into the monitor mode, release it to exit.
- **Scanning**
It is convenient for the user to search for calls from other channels.When “ Side Key 2 ” in the software is programmed to the scanning function,press **【DOWN】** key to enter into the scanning mode,the transceiver will start to scan with the current channel;Operate it again to exit.
- **Emergency Alarm**
When “ Side Key 2 ” in the software is programmed to the alarm function,press **【DOWN】** key to alarm;
Press PTT key to exit.

◆◆ BASIC OPERATION

● High-Low Power

The transceiver has a high-low power selection, it can be programmed.

● Chinese/English Voice Prompt

The transceiver has a manual switching function between the Chinese and the English. Switch to Channel 16, turn off the transceiver, then press 【UP】 key and meanwhile turn on the transceiver to switch between the Chinese and English.

● VOX

This function can be voice activated so the user doesn't have to press the PTT key. Switch to Channel 7, turn off the transceiver, then press the 【UP】 key and turn on the transceiver at the same time to switch between the ON and OFF of the VOX function. VOX gain inversion level refers to the voice sensitivity, it has level 1-9!

● Busy Channel Lockout

The function can prevent interference from other transceivers using the same channel.

● Battery Power Saving

If there is no signal or operation, the radio will reduce its power consumption. The battery power-saving function activates when the channel is unoccupied or has not been in operation.

◆◆ BASIC OPERATION

● Low Battery Warning

If the battery power falls to the predetermined value during transmission, the transceiver will give out a voice prompt, please charge in time.

● Time Out Timer(TOT)

The purpose of the TOT is to prevent any single person from using a channel for an extended period of time. An alarm will sound if the transmission continues beyond the set time. The transceiver will stop transmission if this occurs. To stop the alarm, release the PTT key and the transceiver will return to standby.

● CTCSS/DCS

The transceiver has 50 CTCSS and 208 DCS, also non-standard subaudio can be programmed!

● Special Signaling

Special Signaling refers to the CDCSS on the channels is special processed codes. Only when the transceivers in the same company are programmed the same frequency point with the same CDCSS and meanwhile special signaling is programmed, then they can talk to each other.

◆◆ Technical Parameters

SPECIFICATIONS	
Frequency Range	400-470MHz
Supply Power	DC3.7V
Memory Channel	16
Antenna Configuration	Internal Antenna
Work Mode	Co/Differ-frequency Simplex Communication
Ground Method	Cathode
Dimension	122*58.5*33.2mm
TRANSMITTER	
Output Power	2W/0.5W
Modulation Mode	FM(F3E)
Max.Frequency Deviation	5KHz
Sparious Radiation	7.5 μW
Preemphasis Character	Per Octave 6dB
Emission Current	100mA
RECEIVER	
Sensitivity	< 0.16 μV (12dB SINAD)
Audio Power	300mW
Audio Distortion	< 5%
Intermodulation	60dB
InterferenceResistance	
Receiving Current	300mA
Standby Current	20mA

We May Change The Specifications For Technical Improvement Without Prior Notice.