

USER'S MANUAL



- UHF(400-470MHz) Super Receiving
- Channel Display
- Remote Alarm
- Scanning
- Monitoring
- VOX
- TOT
- Chinese/English Voice Prompt
- Keyboard Lockout
- Busy Channel Lockout
- High-Low Power Selection
- Power Saving Mode
- Low Battery Warning
- Voice Companding/Scrambling Function
- Programming Encryption Function
- Special Signaling
- 50 CTCSS/208 DCS

◆◆ Cautions

- Do not use the transceiver in the areas where government prohibits.
- Do not expose the transceiver to direct sunlight for a long time or place it close to heating appliances.
- Do not operate the transceiver under explosive conditions.
- Keep the transceiver out of dust, humidity and water.
- Do not place the transceiver on the unstable surface.
- The maintaining of the transceiver only can be done by professional technicians, please do not disassemble the transceiver by yourself!

◆◆ Standard Accessories



Radio Body



CHN Adapter



USB Connection Wire

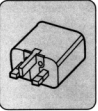


Battery

◆◆ Optional Accessories



Belt Clip



UK Adapter

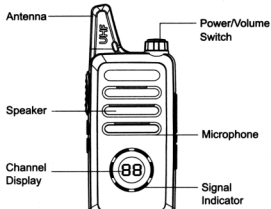


EU Adapter

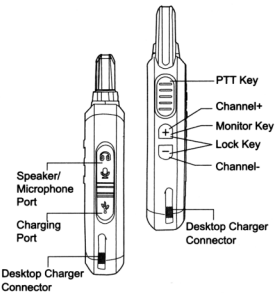


Desktop Charger

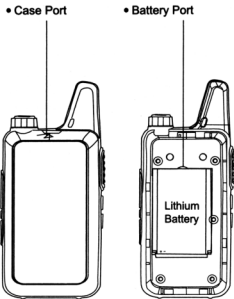
◆◆ Getting Acquainted



◆◆ Getting Acquainted



◆◆ Installing & Removing the Battery Pack



◆◆ Charging the Battery Pack

- 1.The battery is not charged in the factory, please charge the battery under the environmental temperature 5-40°C 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 shortened 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.

◆◆ Optional Functions

Monitoring

When power on, long press the [UP] key to enter into the monitor mode, release it to exit.

Channel Lockout

Press both [UP] [DOWN] keys to lock (only PTT key, MONITORING key and function keys can be used, [UP] [DOWN] keys can not be used). When locking, short press [UP] [DOWN] keys to broadcast the current channel; Operate them again to unlock.

Power Display

When "Side Key 2" in the software is programmed to display the power, long press [DOWN] key for two seconds to display the battery level.

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, long press [DOWN] key for two seconds to enter into the scanning mode, the transceiver will start to scan with the current channel; Operate it again to exit.

◆◆ Optional Functions

High-Low Power

The transceiver has a high-low power selection by programming.

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 the [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 prevents you from interfering with other transceivers using the same channel, it needs to be programmed by software.

◆◆ Optional Functions

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.

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 switch and the transceiver will return to standby.

Scrambling

It is a voice encryption mode which is different from sub audio.

◆◆ Optional Functions

Companding

It is a function setting which prevents the inter-channel interference.

CTCSS/DCS

The transceiver has 50 CTCSS and 208 DCS, also non-standard subaudio can be programmed. CTCSS and DCS functions are used to avoid mutual interference among various users and also to avoid hearing irrelevant calls and interference signals.

CDCSS Mode

It is valid only when you program the CDCSS on the channels. This function has two selections: "normal signaling" and "special signaling". Normal Signaling refers to the CDCSS on the channels is ordinary codes, we can talk to each other with the same CDCSS.

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	135.8 × 56 × 21mm
TRANSMITTER	
Output Power	2W/0.5W
Modulation Mode	FM(F3E)
Max.Frequency Deviation	≤5KHz
Sporious Radiation	≤7.5μW
Preemphasis Character	Per Octave 6dB
Emission Current	≤1000mA
RECEIVER	
Sensitivity	<0.16μV (12dB SINAD)
Audio Power	≥300mW
Audio Distortion	<5%
Intermodulation Interference Resistance	≥60dB
Receiving Current	≤300mA
Standby Current	≤20mA

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