

正面

背面

USER'S MANUAL



VOX
TOT
Monitoring
Keyboard Lockout
Busy Channel Lockout
High-Low Power
Battery Power Saving
Low Battery Warning
Scrambling Function
Companding Function
Special Signaling
Chinese/English Voice Prompt
Programming Encryption Function
50 CTCSS/208 DCS

Function Operations

1. Long press the power key for 2 seconds to turn on/turn off the radio.
2. CH+/CH-: adjusting the Channel 1~16.
3. Side Key+/Side Key-: adjusting the volume level,the volume has a total of 8 levels.
4. PTT: while pressing the PTT launch button, keeping the microphone 3-8cm away from the mouth.

Optional Functions

•Scanning

It is convenient for users to search for calls from other channels. Long press the side key **【-】** for 2 seconds to enter the scan state,operate again to exit(note: if the SCAN ADD less than 2, the radio can not scan,it can be set by programming).

•Keyboard Lockout

Long press the side key **【-】** for 2 seconds to lock the keyboard,operate it again to unlock.

•Monitor

Long press the side key **【+】** to enter the monitor mode,release it to exit.

•VOX

VOX is a function that voice can be launched without pressing the PTT key,it can be set by programming.

•Chinese/English Voice Prompt

The radio has a manual switching function between the Chinese and the English.Switch to channel 16, turn off the radio, and then press the power key and CH+ key at the same time,turn on the radio to switch between the Chinese and English.

•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.If the transmission continues beyond the set time,the transceiver will stop transmission and give out alarms.To stop the alarms,please release the PTT switch and the transceiver will resume to the state of standby.

•Busy Channel Lockout

The function can prevent interfering other intercom calls from the same channel,it needs to be set up by the writing frequency software.

•High-Low Power

The radio has a high-low power selection.

•Battery Power Saving

The radio would reduce its power consumption if there is no signal or no operation.When the channel is unoccupied or no operated,the battery power-saving function is activated.When signal is received or with operation,the battery saving function would be off automatically.

•Low Battery Warning

If the battery power falls to the predetermined value during transmission, the radio will send out a voice prompt. Please replace the battery or charge it!

•Scrambling

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

•Companding

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

•CTCSS/DCS

The purpose is to avoid the mutual interference among different users,to avoid hearing the irrelevant calls and the interference signals.The radio has 50 CTCSS and 208 DCS,also non-standard subaudio can be set!

•CDCSS Mode

It is valid only when you set the CDCSS on the channels. This function has two selections: "normal signaling" and "special signaling". Normal Signaling refers to the CDCSS codes on the channels is ordinary codes, we can talk to each other with the same CDCSS; Special Signaling refers to the CDCSS codes on the channels is special processed codes,only with the same CDCSS and while setting a special signaling,then we can talk to each other,it can avoid the signal interference from the radios of the other manufacturers.

Technical Parameters

SPECIFICATIONS	
Frequency Range	EU 400-480Mhz /US FRS
Supply Power	DC3.7V
Memory Channel	16
Antenna Configuration	Internal Antenna
Ground Method	Cathode
Work Mode	Co/Differ-Frequency Simplex Communication
Dimension	136×59×21mm
TRANSMITTER	
Output Power	2W/0.5W
Modulation Mode	FM(F3E)
Max.Frequency Deviation	±5KHz
Sparious Radiation	≤7.5μW
Preamphasis 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.

FCC Warning Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Compliance with RF Exposure Standards

The radio complies with the following RF energy exposure standards and guidelines:
•United States Federal Communications Commission, Code of Federal Regulations; 47 CFR § 1.1307, 1.1310 and 2.1093.
•American National Standards Institute (ANSI)/ Institute of Electrical and Electronic Engineers (IEEE) C95.1:2005;Canada RSS102 Issue 5 March 2015.
•Institute of Electrical and Electronic Engineers (IEEE) C95.1:2005 Edition

**WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR
RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND
FEDERAL LAW.**

FCC Regulatory Conformance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference including received interference that may cause undesired operation.

The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

Replacement of any transmitter component (crystal, semiconductor, etc) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

SAFETY STATEMENT INFORMATION

We declare that the radio is compliance with Radio equipment Directive (RED) 2014/53/EU. The device in the environment with the temperature between 0-40℃ and operating under 2000m, otherwise, it may damage your radio.

For this device, Head SAR and Body SAR was performed with the device configured in the positions according to EN 50566:2017 & EN IEC/IEEE 62209-15:2021, and face-up SAR was performed with the device 25mm from the phantom, and Body SAR was performed with the device 0mm from the phantom. Body SAR was also performed with the headset and belt clip attached and without.

CAUTION:

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.