User Manual

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 received, including interference that may cause undesired operation.

Note: 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.

Specific Absorption Rate (SAR) information

SAR tests are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest

certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. Before a new product is a available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC, tests for each phone are performed in positions and locations as required by the FCC.

For face, this part has been tested and meets the FCC RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal. This equipment should be installed and operated with minimum distance 25 mm between the radiator& your face.

For body, this equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .

The device is authorized to operate at a duty factor not to exceed 50%.

The Radio is pre-configured with 8 GMRS repeater channels: 467.5500, 467.5750,467.6000,device that is used to increase the range of two way radios.Repeaters will receive a transmission on one frequency and simultaneously rebroadcast that transmission on a different frequency. Repeaters are often set up in a fixed location and connected to an antenna that is mounted at a higher elevation to provide better range than is normally available with radio-to-radio (simplex) communications.

Using GMRS repeaters can significantly increase the range of your radio, but just tuning to one of the repeater channels isn't necessarily going to work. You first have to be sure there is a repeater listening on that channel's frequency, and you have to be within range of that repeater.467.6250, 467.6500, 467.6750, 467.7000, and 467.7250 MHz. In basic terms, a repeater is a It is important to keep in mind that a GMRS repeater is not necessarily

intended for public use.They are owned by individuals and are sometimes intended for private use or require permission to use.

Before connecting to a GMRS repeater, be sure that you have permission or that the owner is fine with public use. The description on the myGMRS website usually indicates if permission is required and provides a way to get in touch with the owner.

Accessories & Options

Welcome to your new radio. Please unpack it carefully and ensure that the below accessories are included. If you find any missing or damaged components, please contact your dealer immediately.

Supplied Accessories

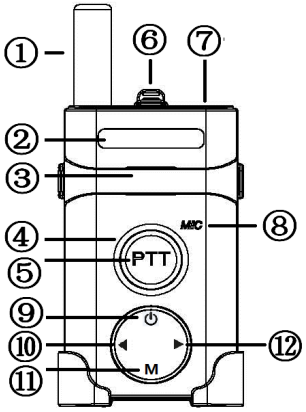
Item	Qty
Radio	1
Belt Clip	1
Adapter	1
Charging Cable	1
Lifting Rope	1
User Manual	1

Optional Accessories

Programming Cable	Earphone

Getting Acquainted

① Antenna
② LOGO Label
③ Speaker
④ LED Light
⑤ USB Charging Jack /Earphone Jack / Programming Jack
⑥ Belt Clip/Lifting Rope
⑦ Push to talk（PTT）



Push PTT key to talk, release to receive.

⑧ Microphone

⑨ Power On/Off

⑩ Programmable Key: Default set<Long press: CHA+; Short Press: VOL+>.

⑪ Programmable Key: Default set<Long press: CALL（Jingle bell）; Short Press: CHA NO.(Channel Number) >.

⑫ Programmable Key: Default set<Long press: CHA-; Short Press: VOL->.

Charging

When the radio beeps "Di-doo", and the LED light flash green, please charge the battery of the radio as follow:

- Put the Type-C USB plug of the charging cable into the charging jack of the radio，put the USB connector of the other end of the charging cable to adapter. The adapter must be connected to the 100-240 volt AC mains.
- The Blue light would flash when the radio is charging.
- When the radio is charged, the Blue Led light turn on. After charging the radio about 4 hours, the charging would be completed. The Blue light turns off automatically.

Basic Operation

Power on/off

Press and hold on the "M" button of the radio to power on/off. When the radio beeps "power on", indicating that the radio has powered on, the channel number will be announced followed.

Adjusting Volume

Press "◀" key to increase volume, "▶" to reduce volume.

Select Frequency

Press and hold on the "◀" key to increase channel, "▶" to reduce channel. Channel number will be announced when channel changed..

Transmitting and receiving

To transmit, press and hold the PTT key on the microphone of the radio or the earphone and speak normally. Release the PTT key to stop transmitting. For best voice quality, hold the microphone about 2 IN (5 cm) away from your mouth and speak normally. Radios can only communicate in the same channel. If you don't know the current channel number, you can short press M key, the radio will speak the current channel number. Long press the M key will transmit a call with "Ting-ling-ling" to other radios. A red LED indicates that the transmitter is active. A green LED indicates that the radio is receiving signal.

Auto Power Off (APO)

Auto Power Off will automatically turn the radio off after a set length of inactivity. This function should be programmed through software. The Auto Power Off interval can be set to 10 minutes, 20 minutes, 30 minutes, 40 minutes, 50 minutes, 60 minutes, 90 minutes, 2 hours, 4 hours, 6 hours, 8 hours, 10 hours, 12 hours, 14 hours, or 16 hours.

Opening Tone

Enable opening tone through software, the radio would beep when radio turn on. Default: ON.

Scan

Press a key which programmed as Scan, would enable scanning feature.

Time out timer(TOT)

You may set a TOT through software to specify a time-out timer for the transmitter. Setting such a timer would prevent accidental, lengthy transmissions where the transmitter does not properly unkey(a stuck PTT key, for instance). Not only could such transmissions be disruptive to other communications, they could damage the transmitter. Default: OFF.

Programmable key settings

The "◀, ▶ and M" keys are user programmable. The three programmable keys can only be changed in the programming software.

Each of these keys has two programmable functions, accessed by a short press (press and release) or a long press (Press and hold for 1.5 seconds). Each of these functions is set in one of the programmable key menus.

You may set any of the programmable keys to perform functions: OFF/MOLO/SQM/Scan/Scan Add/CHA No./CALL/CHA+/CHA-/ VOL+/ VOL-.

Default:

◀ Long Press: CHA+
◀ Short Press: VOL+
▶ Long Press: CHA-
▶ Short Press: VOL-
M Long Press: CALL（Jingle bell）
M Short Press: CHA Number (Channel Number)

Lease Feature

When lease feature enabled through programming software, the radio flash the RED light when the time is out, you can do nothing except turn the radio off. It can only recover working through software.

Lease time: A lease time can be set through software. Range: 1

minute-255 days 24 hours 59 minutes.(Count on working time)

CTCSS/DCS

Sometimes you may only want to receive the call from appointed person. CTCSS/DCS can make you not receive the call from other body who use the same frequency. CTCSS/DCS is the squelch audio signal. You can choose it from the 58 groups of CTCSS and 107 groups of DCS. Although it sounds like using CTCSS / DCS you have a personal channel, but if other radio set the same audio and code, they can still hear your calls. Default: Disabled.

Table 1：CTCSS Standard Frequency（58 Groups）

56.0	71.9	100.0	141.3	177.3	210.7
57.0	74.4	103.5	146.2	179.9	218.1
58.0	77.0	107.2	151.4	183.5	225.7
59.0	79.7	110.9	156.7	186.2	229.1
60.0	82.5	114.8	159.8	189.9	233.6
61.0	85.4	118.8	162.2	192.8	241.8
62.0	88.5	123.0	165.5	196.6	250.3
63.0	91.5	127.3	167.9	199.5	254.1
67.0	94.8	131.8	171.3	203.5	
69.3	97.4	136.5	173.8	206.5	

Table 2：DCS Standard Frequency（107 Groups）

017	053	125	172	251	315	411	462	565	703
023	054	131	174	252	325	412	464	606	712
025	065	132	205	255	331	413	465	612	723
026	071	134	212	261	332	423	466	624	731
031	072	143	223	263	343	431	503	627	732
032	073	145	225	265	346	432	506	631	734
036	074	152	226	266	351	445	516	632	743
043	114	155	243	271	356	446	523	645	754
047	115	156	244	274	364	452	526	654	

050	116	162	245	306	365	454	532	662	
051	122	165	246	311	371	455	546	664	

Specification

Frequency	GMRS
Channel Capacity	30
Output Power	462MHz(462.5500-462.7250 MHz): 33.28dBm 462MHz(462.5625-462.7125 MHz): 33.29dBm 467MHz(467.5500-467.7250 MHz): 33.19dBm 467MHz(467.5625-467.7125 MHz): 25.97dBm
Operation Mode	Simplex
Dimension(L*W*H)	90×50×16mm
Weight	70g
Modulation Limitation	≤±5KHz
Spurious Rejection	60dB
TX Current	1.2A
Frequency Stability	±2.5PPM
Rx Sensitivity	<0.18μV
Modulation Type	F3E
Audio Power	≥400mW
Rated Voltage	3.7V

As technology developing, design and product specifications are subject to change without notice.