SAFETY NOTICE

Safe boot
Do not turn on the radio when the use of the radio is prohibited or when the use of the radio may cause interference or danger.

Shut down when refueling
Do not use the walkie-talkie in gas stations, and do not use the walkie-talkie near fuel or chemicals.

Pay attention to traffic safety
Please obey traffic laws, try to use both hands to drive the car, and consider traffic safety first when driving.

Shut down near the blast site
Follow all relevant restrictions and do not use the radio where blasting operations are taking place.

Interference
All walkie-talkies can be subject to interference that can affect performance.

Shut down in the hospital
Please observe all relevant restrictions and turn off the device when near medical equipment.

Shut down on the plane
Please observe all relevant restrictions, the walkie-talkie will cause interference to the aircraft.

Use qualified repair services
Only qualified service personnel should install or service this radio.

Accessories and Batteries
Use only approved accessories and batteries, do not use unsuitable products.

Connect other devices
When connecting other devices, do not connect products that are not compatible.

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Product unpacking inspection

Please open the box with the front side up and carefully check whether the contents in the box are complete according to the "Product Packing List". If you find that the items are missing, damaged or inconsistent in specifications, please contact the seller immediately.

In order to effectively protect your business interests, please ask the seller for an invoice when purchasing, and carefully fill in the "Product Warranty Card" under the guidance of the seller, and keep it properly. At the same time, we also ask you to protect all the signs of the product during use, so that it can be correctly identified by the relevant parties during after-sales service.
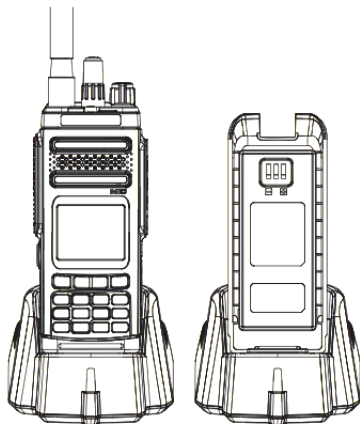
■ **Product Packing List**

Item	Unit	Quantity
Radio Body	PCS	1
Lithium battery	PCS	1
Desk Charger	PCS	1
Adapter	PCS	1
Manual	PCS	1
Antenna	PCS	1
Back Clip	PCS	1
Lanyard	PCS	1

Properly charge and service batteries

Due to the battery's own characteristics, the company does not charge the battery before it leaves the factory, and usually cannot make the battery reach its normal capacity. To this end, please charge the newly purchased or long-term storage (more than 2 months) battery before use, and the battery capacity will be optimal after charging/discharging two or three times. If the battery is still found to be low after charging correctly several times, the battery needs to be replaced.

■ charging steps

1. Insert the plug of the charger into the power outlet, and the green light of the charger will turn on;
2. Insert the battery pack or the walkie-talkie with the battery pack into the charger slot; The battery red indicator light is on, indicating that the battery starts to charge;
3. When the battery indicator light is green, it means that the charging is completed and the battery can be used;
4. Take the charger plug out of the AC power outlet;

Precautions

- *The ambient temperature during charging is 5°C ~ 40°C, and the battery will not be fully charged if the charging operation is outside this range;*

- *When charging, please turn off the power of the walkie-talkie with the battery installed;*

- *Do not open the battery case without authorization;*

- *It is best not to plug or unplug the power supply or battery during the charging process, so as not to interfere with the charging process;*

- *Even if the battery is fully charged, the usage time of the battery does not increase, indicating that the battery life has expired, please replace the battery.*

Accessory installation and removal

■ Install/remove battery pack

After aligning the battery pack with the slot of the walkie-talkie, fasten the battery button, and hear a "click" sound, the battery is locked. When you need to remove the battery pack, turn off the radio first, and then press down the battery button on the bottom of the radio to remove the battery pack.

■ Install/Remove Antenna

Insert the threaded end of the antenna into the radio's screw hole and turn it clockwise until it is tight. When you need to remove the antenna, turn it counterclockwise until the antenna is unscrewed.

■ Install/Remove Belt Clip

Align the two supplied screws with the two screw holes on the back of the battery of the walkie-talkie and tighten it clockwise to fix the belt clip. When it is necessary to remove the belt clip, turn the screw counterclockwise until all the screws are loosened to remove the belt clip.

■ Installing/Removing External Headphones (Microphones)

Remove the headphone cover and insert the headphone (microphone) at the MIC/SP port on the side. Remove the earphone (microphone) from the M1C/SP board and close the earphone cover.

■ Install the intercom lanyard

Pass the lanyard of the walkie-talkie through the lanyard loop in the middle of the back cover of the walkie-talkie.

Getting Started

■ Walkie-Talkie diagram

Antenna
4G Antenna
P1 Button
Power/Volume Knob
Speaker
LED Indicator
PTT Key
Microphone
Side Key 1
SP/MIC Jack
Side Key 2
LCD Screen

◇ **Side key**

1. **PTT Key:** public network transmission
2. **Side Key 1:** Analog/Digital Transmit
3. **Side Key 2:** Customizable Functions

◇ **Button**

1. Short press [⬛] key to enter the menu;
2. Short press [⬛] key to exit and return to the upper level;
3. Short press [⬆] [⬇] key to switch frequency or channel number;
4. Short press **[0~9]** key, input frequency or channel number or phone number;
5. Long press the **[0~9]** key to enter the shortcut operation function;
6. Short press [✱] key, input 1-8 digits or *(represents any), and then press [⬛] key to call members individually;
7. Long press [✱] key to enter phone dialing function;
8. Short press [#️] key, DMR individual call setting;
9. Long press the [#️] key to switch the keyboard lock/unlock;

■ **LED indicators and LCD screen**

◇ **LED indicator**

When launching, the red light is on.

◇ **LCD screen display**

Signal strength indicator	▼ıı	signal strength
battery power	▰▰▰▱▱	Indicates that the battery power decreases sequentially
keyboard lock icon	⚷	Displayed when the keyboard is locked
dial phone switch	📞	This icon indicates that the phone feature is on
time	00:25:46	This graph represents the time
Screen always on switch	◑	This icon indicates that the keyboard light always on function is turned on

■ **Power on and off**

Rotate the volume knob/power switch clockwise and hear a "beep" sound, the screen lights up to indicate that the transceiver is powered on, the green indicator lights up, and turn it counterclockwise to turn off the transceiver.

If the number card is not installed or the number card is not registered or invalid, it will prompt "Please insert the card".

■ **Volume adjustment**

Rotate the volume knob/power switch to adjust the volume. Turn it clockwise to increase the volume, and counterclockwise to decrease it.

■ **Menu type**

1. Press [⬛] key to enter the menu, 8 menu options;
2. Press [⬆] [⬇] key to select function menu;
3. Press [⬛] key to confirm the function;
4. Press [⬛] key to exit setting;

■ **POC settings**

Num	Display characters	Secondary menu display characters	Secondary menu setting description
1	Single time	none /30s/60s/90s/ 120s/150s/180s/210s/240s	
2	Net Set	2G	
		3G/	
		2/3G	

Num	Display characters	Secondary menu display characters	Secondary menu setting description
2	Net Set	4G	
		Auto	
3	Sound Set	Ordinary	4K or 8K
		HD	
4	Earphone switch	Off/On	
5	Delay Switch	Really Disable	
		Really Enable	
6	Delay Sound	OFF Sound	
		ON Sound	
7	Network Switch	Network Disable	
		Network Enable	

■ **Digital Set**

Num	Display characters	Secondary menu display characters	Secondary menu setting description
1	Attribute	Radio ID	
		Version	
2	Restore Factory		
3	Config	TX Freq	
		RX Freq	
		Channel name	
		Dis Select	
		TX limit time	

Num	Display characters	Secondary menu display characters	Secondary menu setting description
3	Config	Color code	
		Time slot	
4	Setting	Language	Chinese/English
		Lock Key	None/5S/10S/15S
		Led	ON/ 5Sec/ 15Sec/ 30Sec
		Man Down	Turn On/Turn Off
		Power	High Power/ Low Power
		Zone	Zone one /zone two/zone three…
		Date&Time	Date
			Time
			DateForm
		Tone	Profiles
			Keypad set
			Power Tone
			Msg tones
		Mode Set	Channel tone
			Channel Mode
			Freq Mode
		Call Time	None/ 5S/ 10S/ 15S/ 20S/ 25S/ 30S
		GPS	GPS OFF/GPS ON

Num	Display characters	Secondary menu display characters	Secondary menu setting description
5	GPS Info		
6	RX GPS Info		

■ Public network member selection

Select to [📞] enter the public network member selection

1. Group selection

After entering the group selection menu, the group will be displayed. After selecting a group, you can talk in this group. If no group is found, it will prompt "There are currently no groups available".

2. Member selection

After entering the member selection menu, online members will be displayed. After selecting a member, you can talk to this member individually. If no member is found, it will prompt "There are currently no online members".

3. Friend selection

Enter the menu or you can view online friends, select online friends to talk. If no friends are online, it will display "No friends online"

Specification

Frequency Range	DMR/Analog UHF: 400-480MHz or VHF136-174MHz
	LTE 4G B1/B3/B7/B8/B20 WCDMA: B1/B8 GSM/GPRS: B3/B8 or LTE 4G B2/B4/B5/B12/B17 WCDMA B2/B5 or LTE 4G B1/B2/B3/B5/B7/B8/B28/B40 WCDMA: B1/5/8 GSM: B2/3/5/8
Network System	LTE FDD/WCDMA/GSM/GPRS
Working Mode	Simplex
LCD Display	1.77inches
Operating Voltage	7.4V
Battery Capacity	2800mAh(Li-Ion)
Battery Life	About 15~28h
Mode	Dual Mode and Dual Standby
Operating Temperature	(-)20 - (+)60°C
Store Temperature	(-)30 - (+)80°C

RX Sensitivity	LTE ≤-96 dBm;
	WCDMA 900MHz: ≤-108 dBm;
	WCDMA 2100MHz: ≤-109 dBm;
	GSM 900MHz/1800MHz: ≤-106 dBm;
Dimension	136*57*39mm
Weight	220g
Occupied Bandwidth	≤1.48MHz
RF Power	≤30dBm
Frequency Error	±300Hz
Audio Output	500mW
Antenna Impedence	50ohm

Maintenance and cleaning

- Handle the walkie-talkie with care, and do not move the walkie-talkie with the antenna or external microphone;

- Wipe the dust and stains on the walkie-talkie with a lint-free cloth to prevent poor contact;

- When the walkie-talkie does not use an external headphone/microphone, please cover the headphone/microphone jack;

- After a long-term use of the walkie-talkie, the buttons, control knobs and casings are easy to become dirty, and can be cleaned with neutral detergent (do not use strong corrosive chemicals) and a damp cloth;

■ Simple Troubleshooting

If your walkie-talkie has the following phenomena during use, please check the following information first, if it cannot be ruled out, please contact the dealer.

Issue	Cause	Solution
Poor signal reception:	The current location network signal is relatively weak;	1. Please move to a location where you can receive the network well; 2. Please avoid using it during similar periods or try again later.
Interrupted or delayed calls	Base station switching or poor wireless signal, or the network operator's network trunk line is poor;	After shutting down and restarting, it can automatically search for base stations and switch to a better quality network.

Issue	Cause	Solution
Shorter standby time	The standby time is related to the system settings of the network operator; Unable to connect to the network, the intercom device will continue to transmit the base station search signal, which will continue to consume battery power, resulting in short standby time;	If you are in a weak signal area, please temporarily turn off the intercom equipment;
Can't connect to network	The USIM card is invalid or has poor contact, the signal is poor, the network connection times out or you are not in the network service area;	Change to a valid USIM card or try again in an open place;