

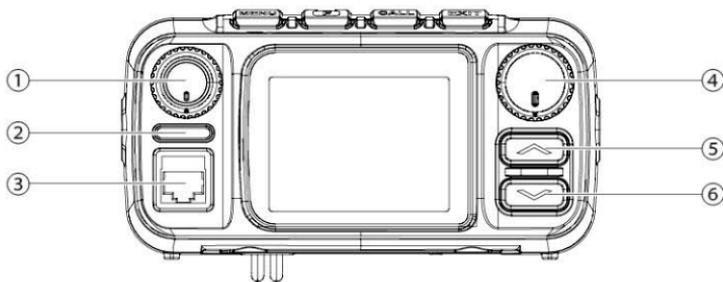
PUBLIC NETWORK MOBILE RADIO



QUICK OPERATION MANUAL

Supports various services of the POC mobile radio, including single call, group call, standby group, group automatic update, PTT call application/preemption/PTT call rights. The user is notified by display and TTS voice broadcast, and the operation is simple and clear.

RADIO OVERVIEW



① **Power / volume key**

In the off state, press and hold for 2 seconds to turn it on.

In normal standby mode, press and hold for 3 seconds to power off.

In normal standby mode, turn left to decrease volume, turn to right to increase volume

② **Indicator light**

③ **Microphone / Program cable interface**

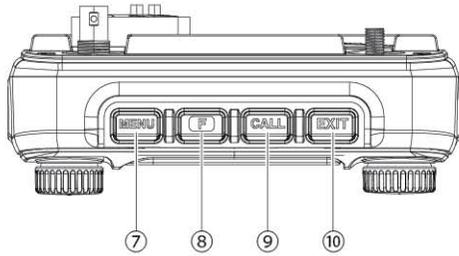
④ **Select / Confirm key**

A: In standby mode, short press to enter the system setting menu.

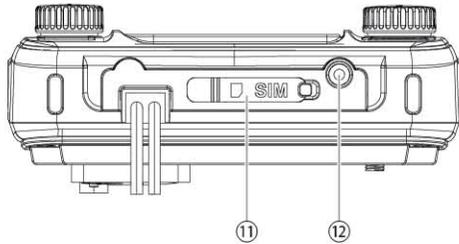
B: In the system setting menu state, turn left and right to select setting options

⑤ **Up button**

⑥ **Down button**



- ⑦ **MENU key**
In standby mode, short press to enter the system setting menu.
- ⑧ **F key**
A: In standby mode, press F key TTS to broadcast the current signal strength.
B: Press and hold in standby mode to switch between SIM card 1 and card 2.
- ⑨ **CALL key**
In the standby mode, press to activate SOS function.
- ⑩ **EXIT:** return key
When entering the menu state, short press to return to the previous menu or exit programming.



- ⑪ **SIM card 1, card 2 insertion port;**
- ⑫ **External speaker interface;**

INDICATOR DESCRIPTION

Host Status	Indicator status	Times
Looking for network status	Green light, quick flashing	0.2S bright, 0.2S off
Waiting state	Green light, slow flashing	1S bright, 1S off
Waiting state (when there is a GPS signal)	Yellow light, slow flashing	0.3S bright, 0.7S off
Initiating a call	Red light	
Answer voice status	Green light	

INSTALL THE USIM CARD

Please prepare a valid USIM card (user identification card) before using this unit. Open the card slot waterproof cover and insert the USIM card into the card holder, paying attention to the direction of the notch.

BASIC DESCRIPTION

- Power on:** In the off state, long press **[Power/volume]** key, it will be turned on, during the boot process. There will be a voice prompt "Beep...Start...Search Network (Green Light Flash)...". After successfully logging in to the network (green light flashes slowly), there will be voice prompts for the current group and members.
- power off:** In the power on state, long press **[Power/volume]** key, until the switch is turned off, it will shut down.
- Adjust the volume:** Turn the **[Power/volume]** key to the appropriate volume when the power is on.
- Select group (group call), single call selection (single call), select friend call:**
 - Group selection:** Select the group you want to enter by rotating **[Select/Confirm]** key or **[Up/Down]** key on the menu page. Press **[Select/Confirm]** to confirm entering the group.
 - Single call selection:** enter the group, display the member list, rotate the **[Select/Confirm]** key or **[Up/Down]** key to select the member, short press **[Select/Confirm]** key to confirm the selection;
 - Select a friend:** Rotate **[Select/Confirm]** key or **[Up/Down]** key on the menu page to select a friend list, press **[Select/Confirm]** key to enter the friend list, and display all the added friends. The operation is the same as the single call selection.
- System setting operation (see menu list for specific options):** Short press the **[MENU]** function key to enter the system menu and operate the corresponding button according to the screen prompts. In this mode, if it is not operated for more than 15 seconds, it will automatically exit the selection mode, or short press **[EXIT]** to exit or return to the default group mode standby.
- GPS:** After the platform is set, you can reboot and log in, only support GPS models.

TROUBLESHOOTING

If your walkie-talkie has the following phenomenon during use, please check the info below.

Problem	Phenomenon	Solution
Poor signal reception	The current location network signal is weak, such as the basement or close to the building, so that the radio waves can not be effectively transmitted, or the network traffic is high during the busy hours of the network, causing the network busy line to be unable to talk.	1. Please move to a location that can receive the network well. 2. Please avoid using it in a similar time period or try again later.
Intermittent call or delay	The base station handover or poor wireless signal causes the network operator's network trunk line to be bad.	After powering off and restarting, you can automatically search for the base station to switch to a better quality network.
Unable to connect to the network	The USIM card is invalid or has poor contact, bad signal, network connection timeout or you are not in the network service area.	Switch to a valid USIM card or try again in a relatively empty location. If you are in a building, move to the window and try again or unplug the SIM card.
The knob switch is on, but the machine is off.	The shutdown interval is too short, this phenomenon will occur.	Turn off the rotary switch and turn it on again.

MENU PROGRAMMING SETTINGS OPERATION OPTIONS

1	Background Light	7	SIM Set
2	Brightness	8	Call Quality
3	Network	9	Tone Prompt
4	About Device	10	Record Set
5	UTC Set	11	Play Record
6	Speech Set	12	Exit

BRIEF TECHNICAL INDICATORS

Type	Parameter Item	Specification
Operator System	Linux	
RF Parameter	LTE/4G	Band: B1/B2/B3/B4/B5/B7/B8/B12/B20/B38/B39/B40/B41
	WCDMA	Band 1: 2100M; Band 2: 1900M Band 5: 850M; Band 8: 900M
	GSM	GSM/GPRS: 850/900/1800/1900MHz
	Receiving Sensitivity	LTE/4G: $\leq -100\text{dBm}$
		WCDMA 900: $\leq -110\text{dBm}$
WCDMA 2100: $\leq -110\text{dBm}$		
	GSM850/900/1800/1900: $\leq -109\text{dBm}$	
Audio Output Power	1W	Distortion $< 10\%$
Voltage	12-24V/DC	
GPS	GPS	GPS Positioning, Support A-GPS function
	Sensitivity	GPS L1 Band: 1.57542GHz GLONASS Band: 1597.5-1605.8MHz BeiDou: 1559.05-1563.8MHz
		Catch-144dBm, Track-159dBm
		GSM CS: UL 9.6kpbs/DL9.6kpbs
		GNSS current: 100mA (GSM/CDMA/UMTS/LTE)
Technology Standard	Data Speed Rate	EDGE: Multi-slot Class 12
		WCDMA CS: UL 64kpbs/DL 64kpbs WCDMA PS: UL 384kpbs/DL 384kpbs
	Protocol	HSDPA/WCDMA/EDGE/GPRS/GSM
Basic Information	Working Current	Require 7.4V-240V Power Supply (Notice that 5V Power Band NOT work)
	Working Temperature	$-20\sim 50^{\circ}\text{C}$
Display	Color display	2.8 inch
Dimension	153mm(L)*78mm(W)*45mm(H)	
Weight	570g	
Sim card type	Normal sim card	