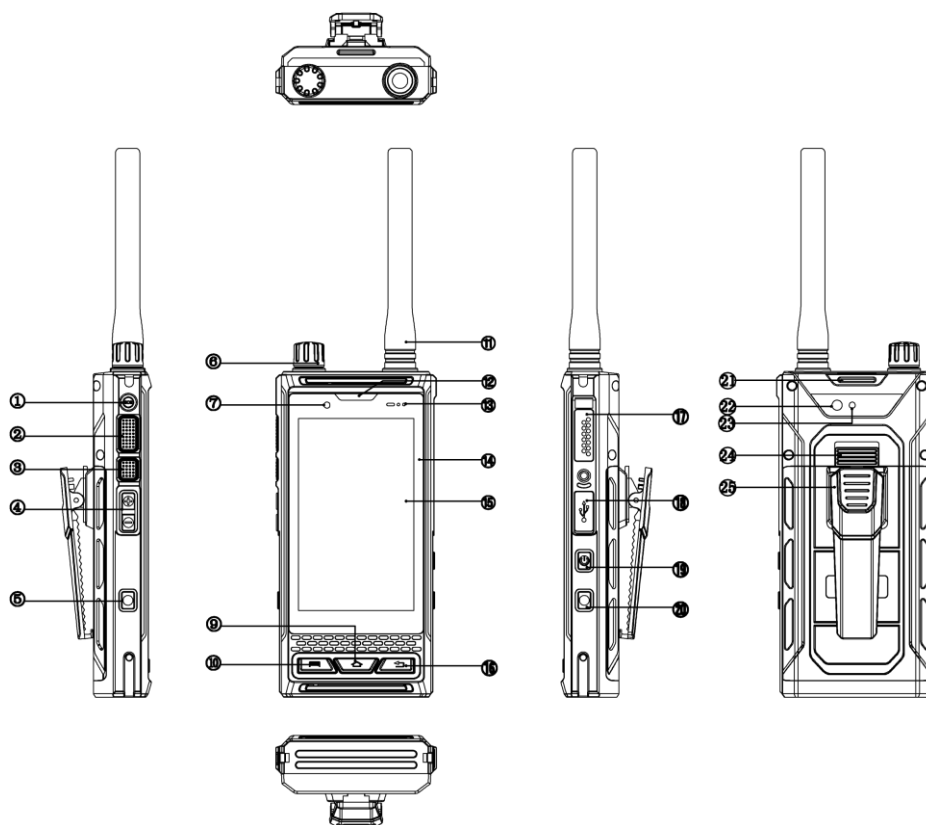


HARDWARE INTERCOM

USER MANUAL

1.Appearance and Key Function



- 1.SOS Key
- 2.PTT Key
- 3.Poc key
- 4. Volume key
- 5. Camera key
- 6. Channel knob
- 7. Front camera
- 8. Speaker
- 9. Home key
- 10. Menu key
- 11. Intercom antenna
- 12. Receiver
- 13. Indicator light

- 14.Screen
- 15. TP
- 16. Back key
- 17. M6 port
- 18. Charger port
- 19. Power key
- 20. Video record key
- 21. Lanyard hole
- 22. Rear camera
- 23. Flash light
- 24. Battery cover buckle
- 25. Back clip

Quick guide

1、 Turn on the intercom function:

Click the [DMR Intercom] application on the standby desktop of the intercom

2、 Turn off the intercom function:

In the intercom application --- setting menu, select exit

3、 Switch channel:

Scheme one: In the intercom APP interface, standby desktop or lock screen interface, rotate the buttons left and right;

Scheme two: On the main interface of the intercom app, swipe the channel display bar on the screen left and right to switch channels.

4、 Volume adjustment:

Slide the volume setting bar in the intercom application---setting menu interface;

5、 Intercom call:

On any interface, long press [PTT key] to initiate an intercom call;

When the screen of the intercom APP is on, tap the intercom icon in the middle of the screen to initiate an intercom call.

DMR intercom settings

一、 DMR intercom function setting:

1、 Local ID: Click to edit the ID number of the local intercom.

2、 Power: High power and low power options are available.

3、 Volume: The volume of the receiving intercom can be adjusted.

4、 MIC gain: adjustable MIC input gain size.

5、 Power saving mode: After power saving is turned on, the power consumption will be reduced during standby.

6、 Relay offline: support relay function.

7、 Contact: Long press the contact to edit and delete. Click the add icon in the upper right corner of the contact interface to add a new contact.

8、 Group: Long press the group to edit and delete. Click the add icon in the upper right corner of the group interface to add a new group.

2. Digital channel settings

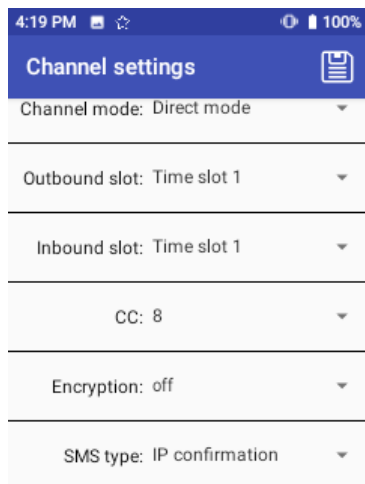
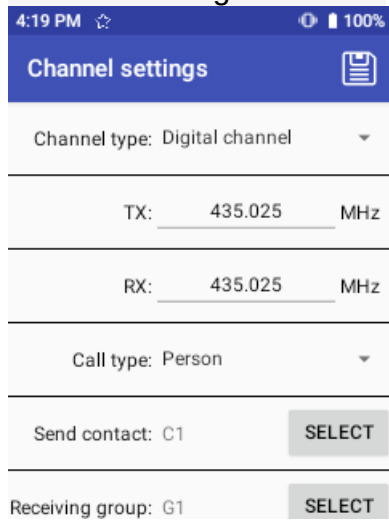
Click  on the DMR intercom application interface to modify related parameters:

- 1、Transmission frequency: Set the transmission frequency.
- 2、Receiving frequency: Set the receiving frequency
Note: Only when the transmitting frequency of the transmitter is the same as the receiving frequency of the receiver can talk to each other.
- 3、Call type: Individual call, group call, and all call can be selected.
 - ① Individual call: The transmitter calls the designated "transmitting contact".
 - ② Group call: group call, the receiver's "group call receiving list" must include the transmitter's "group call transmitting ID" before it can be received
Note: The sending group number is any ID in the other party's group list.
 - ③ All calls: unlimited calls, only the receiver's receiving frequency, color code, encryption and other settings are consistent.
- 4、Transmission group: Set the group call transmission ID of the transmitter.
- 5、Receiving group: Set the receiver's group call receiving list.
- 6、Channel mode: direct mode, true dual time slot.
- 7、Color code: Two intercoms can communicate with each other when the color code is the same.
- 8、Encryption: Encrypt the communication data, the sound cannot be restored normally if the key is not correct.
- 9、Click  on the digital channel interface to send information to the corresponding ID/view the received information. Only individual calls and group calls are supported.

Examples of digital intercom settings:
DMR app main interface:



Channel setting interface:



三、Analog channel setting:

1、Transmission frequency: Set the transmission frequency.

2、Receiving frequency: Set the receiving frequency.

Note: Only when the transmitting frequency of the transmitter is the same as the

receiving frequency of the receiver can talk to each other.

3、 Bandwidth setting: Broadband and narrowband can be selected.

4、 Receiving subtone type: Carrier, CTCSS, forward CDCSS, and directional CDCSS can be selected.

5、 Transmission subtone type: can choose carrier, CTCSS, forward CDCSS, direction CDCSS.

Note: The CTCSS/CDCSS value of the transmitter must be consistent with the CTCSS/CDCSS of the receiver.

6、 Squelch level: 0~9 can be set, the higher the level, the faster the squelch.

7、 Monitor switch:

Forcibly turn on the speaker regardless of whether there is a signal.

8、 Example: Set the analog intercom of two walkie-talkies as follows:

A Transmitter (mute CTCSS [transmit mute value: 38; receive mute value: 66], transmit frequency [450.025], receive frequency [452.025])

B Receiver (mute CTCSS [transmit mute value: 66; receive mute value: 38], transmit frequency [452.025], receive frequency [450.025])

Note: When setting the mute and transmitting/receiving frequency, the receiver must be consistent with the transmitter before intercom.

FCC 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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.

RF Energy Exposure Awareness and Control Information and Operational Instructions for Occupational Use

Notice: this radio is intended for use in occupational/controlled conditions where users have full knowledge of their exposure and can exercise control over their exposure to meet the occupational limits in FCC and International standards. This radio device is NOT authorized for general population consumer use.

Federal Communication Commission (FCC) Regulations

When POC radio/4G Network intercom used as a consequence of employment, the FCC requires users to be fully aware of and able to control their exposure to meet occupational requirement. Exposure awareness can be facilitated by the use of a product label directing users to specific user awareness information. Your POC radio/4G Network intercom has a RF Exposure Product Label. Also, your PMR user manual includes information and operating instructions required to control your RF exposure and satisfy compliance requirements.

Compliance with RF Exposure Standards

Your POC radio/4G Network intercom is designed and tested to compliance with a number of national and international standards and guidelines for human exposure to radio frequency electromagnetic energy. This radio compliance with the IEEE (FCC) and ICNIRP exposure limits for occupational/controlled RF exposure environments at operating duty factors of up to 50% talk – 50% listen and is approved for occupational use only. In terms of measuring RF energy for compliance with these exposure guidelines, your radio generates measurable RF energy only while it is transmitting (during talking), not when it is receiving (listening) or in standby mode.

Your POC radio/4G Network intercom complies with the following RF energy exposure standards and guidelines:

- United States Federal Communications Commission (FCC), Code of Federal Regulations; • Institute of Electrical and Electronic Engineers (IEEE) C95.1
- International Commission on Non-ionizing Radiation Protection (ICNIRP)

RF Exposure Compliance and Control Guidelines and Operating Instructions for POC radio/4G Network intercom Operations

To control your exposure and ensure compliance with the occupational/controlled environment exposure limits, always adhere to the following procedures;

- DO NOT remove the RF Exposure Label from the device
- User awareness instructions should accompany device when transferred to other users.

Operational Instructions and Training Guidelines

To ensure optimal performance and compliance with the occupational/controlled environment RF energy exposure limits in the above standards and guidelines, users should transmit no more than 50% of the time and always adhere to the following procedures;

- Using only approved supplied or replacement antennas, batteries, and audio accessories, use of non-approved antennas, batteries, and wired or wireless accessories may exceed the applicable RF exposure guidelines (IEEE, ICNIRP or FCC).

- Transmit no more than 50% of the time. To transmit (talk), press the Push-To-Talk (PTT) button. To receive calls, release the PTT button. Transmitting more than 50% of the time may cause RF exposure compliance requirements to be exceeded.
- Hold the radio in a vertical position in front of the face with the POC radio/4G Network intercom (and other parts of the radio including the antenna) at least 1 inch. (2.5 cm) away from the nose or lips. Antenna should be kept away from the eye.

- When worn on the body, always place the radio in a ComJoT LLC-approved clip, holder, holster, case, or body harness for this product.

Note: RF exposure decreases with increasing distance from the antenna.

- DO NOT hold the antenna when the radio is transmitting.
- DO NOT use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with your skin; a minor burn can result.
- To ensure continued compliance with applicable RF exposure limits use only Motorola Solutions approved, supplied or replacement antennas, batteries, and accessories.