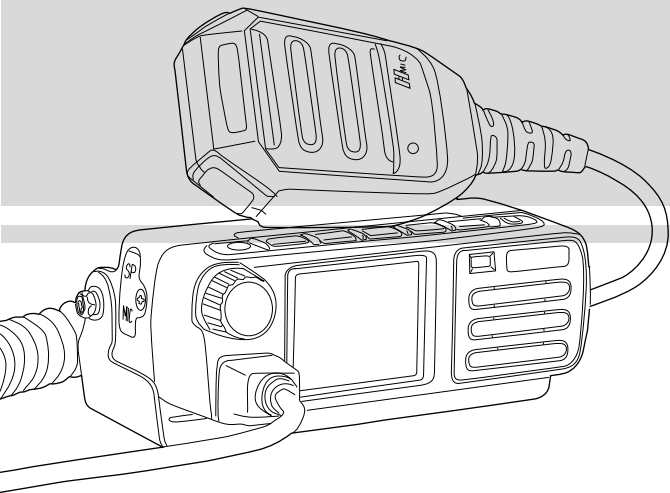


# 4G<sub>LTE</sub>

# Kydera<sup>®</sup>

PROFESSIONAL POC MINI MOBILE RADIO



Thank you for your interest in our products. This manual will help you to master the operation and use of the PoC radio. This manual should be read and studied to ensure that the user understands the operation. Please read the Safety Information Manual before use.

This manual applies to the model  
LTE-C300G Plus series PoC radio.

## DISCLAIMER

We strive for the accuracy and completeness of this manual, but no warranty is given on its content. All the specifications and designs are subject to change without prior notice due to continuous technology development. No part of this manual may be copied, modified, translated or distributed in any form without our prior written authorization.

The third-party products referred to in this manual are property of those third parties. We do not guarantee their accuracy, validity, timeliness, legality or completeness.

## USER INSTRUCTIONS

- Explosive environments (gas, dust and smoke, etc)

Please turn off the radio while refueling or parking in the gas station. If your radio is installed in the car's rear luggage compartment, please don't put the spare fuels in the trunk.

- Radio signal transmission damage

Please do not operate your radio when you are located near the antenna in order to avoid the radio frequencies that may cause damage or related physical damage

- Gunpowder, Detonators / Exploders

For 150 meter (500 feet) of the detonators can lead to explosion. Please turn off your radio within the blasting or bidirectional area. If you want to full the gunpowder, please make sure it is installed in the black sealed metal box with the internal padding. Do not transmit the signals when the exploders are placed in or out the box.

## NOTE:

Please observe the following precautions to prevent the occurrence of fire, physical injury or damage to the radio.

- Please do not try to set the radio while driving otherwise it will lead to dangerous consequences.
- Please do not transmit the radio at high power output for a long time otherwise it may overheat.
- Please do not disassemble or refit the radio for no any reason except which is written in the manual or instruction.
- Please do not put the radio directly to sunlight for a long time and do not put it near the heating apparatus
- Please do not put the radio on the extreme, moisture and water splashing places or unstable surfaces.
- If you find unusual smell or smoke from the radio, you should immediately turn off the radio and contact with the local repair store or distributor.
- Please check and follow the local traffic regulations before using the radio.
- Please do not use other optional accessories instead of our company'S accessories.
- The PoC radio is designed to use DC 5V~48V power supply! Please check the battery polarity and voltage in the vehicle Before installing.
- Please use the DC power cable or purchase a DC power supply.
- Please do not cut off or remove the fuse holder on the DC line. Error/wrong connection and/or surge current may cause fire.

- In order to protect the safety of personnel, please install the POC machine with a firm mounting bracket and screw set and make sure the POC radio will not fall when the vehicle is driving, such as vibration or sway.
- When transmitting the radio, the unprotected of the radio frequency energy to various electronic devices may cause damages to them, such as electronic fuel injector, skid brakes and navigation control systems. If your car is equipped with these devices, please consult with the car dealers and make sure if these devices need to be protected while the radio is transmitting.

## **HOW TO USE THIS USER MANUAL**

This user manual describes the basic operation of the vehicle-mounted intercom terminal. Your dealer or system administrator may have pre-defined the function of the product according to your job and business nature. Please consult your dealer or system administrator for detailed information about the product.

You can ask your dealer or system administrator about the following:

- Does your PoC radio come with factory or dealer preset or default routine operation?
- Which buttons are designed to access other functions on your PoC radio?
- What optional accessories are available for your PoC radio?

# CONTENTS

<b>Packing list.....</b>	<b>4</b>
<b>Preparation for operating the radio.....</b>	<b>5</b>
PoC Radio installation.....	5
Connecting cable power .....	5
Replace fuse.....	7
Install the antenna .....	7
Accessories connection.....	7
<b>Radio Controls.....</b>	<b>8</b>
<b>PoC Common sense and operating instructions....</b>	<b>11</b>
<b>Access the POC device main menu operation.....</b>	<b>13</b>
Setting.....	13
Contact person.....	14
POC intercom platform.....	15
Text Message.....	15
Dial.....	15
<b>Maintenance and Clean.....</b>	<b>16</b>
<b>Main Specifications.....</b>	<b>17</b>
<b>General troubleshooting guidelines.....</b>	<b>18</b>
<b>Standard and optional accessories.....</b>	<b>19</b>

## Packing list

The Packing box contains the following items. If any items are lost or damaged, please contact the distributor of the product you purchased.

Item Name	Quantity (pc)	Item Name	Quantity (pc)
Main machine	1	Handheld MIC	1
Antenna	1	DC power extension cord	1
Automotive DC power cord	1	User manual	1
Mounting brackets	1	Screw set	1

---

 **Note:**

After purchase, please check the items and quantity in the box to ensure everything is correct.

---

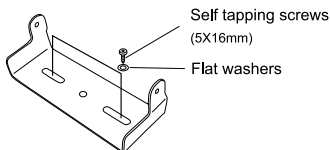
## Preparation for operating the radio

### PoC Radio installation

For sake of your own and passengers safeties, please find a safe and convenient position in order to prevent the damage caused by moving car. - You can consider installing the radio in front of the front passenger seat below the panel section or the car trunk. This will prevent your knees and legs crashing the radio in emergency brake. You should install it with good ventilation and avoiding the direct sunlight.

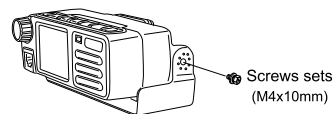
1. Install the mounting bracket to the car with using the self tapping screws and flat washers (2 pcs screws each kind).

- Screws can be put upside down (under the dashboard mounting) or upwards the mounting bracket.
- When installing the mounting bracket, please make sure the screw side edge with slots on the bracket are backwards.

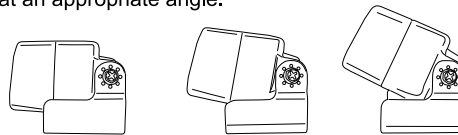


2. Fixed the radio and then insert the equipped with six angles combination screw and flat washers (each equipped with 2 sides and each side of 1 screw set) and tighten them.

- Please make sure all the screws are tightened to prevent the stent and radio loosing caused by car vibration.



- With the rotatable fixed point on the left and right sides of the vehicle rear bracket, the rotating bracket can tilt the main body at an appropriate angle.



### Connecting Cable Power

#### ■ PoC Radio Operation

Be sure to use a car battery with sufficient power. If the power of the two-way radio is insufficient, the screen will be dimmed during the transmission or the transmission output will become unstable. (Interphone input voltage range: DC 8V~48V)

**Note:** If the battery is not fully charged or when the engine is switched off but the battery is still not fully charged, the battery may discharge and there will not be enough power to start the car. In this case, please avoid using the radio in following situation:

1. Use the radio with the DC power cord to directly connect to the car battery and radio within shortest area.

- If you use a noise filter, the metal parts of the car shall be fitted with an insulator to prevent it from touching the car.
- If you have to connect the power cord through a car chassis or a hole on the car (such as a firewall in front of the passenger

compartment), please use the rubber ring to prevent the power cord and remove the fuse holder to pass the power cord through the firewall.

- The entire power cord must be wrapped in order to keep the heat insulated and insulation from the engine (high pressure) system.

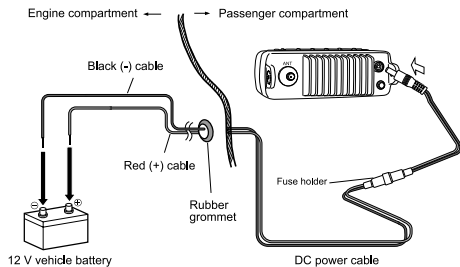
2. After the power cord is already installed, wrap around the fuse holder to make it moisture-proof, including the whole power cord.

3. To confirm the connection is correct then connect the power cord to the power supply; red connection to the positive (+) , black connection to the negative(-)

- To use the whole power line, please do not cut off excessive parts of power line even if it is longer than desired length. Remember, do not remove the fuse holder from the power cord.

4. Connect the DC power cord to the POC device.

- Insert the DC plug of the DC power cord into the DC jack on the back of the intercom, and press firmly into place.



## ■ Base Station Operation

To use it as a base station, you need a separate 13.8V DC power supply. This power supply is recommended for current capacity above 12A.

**Note:** Do not connect the DC power to the AC power socket before completing all connections.

1. Make sure that both radios and DC power are off.

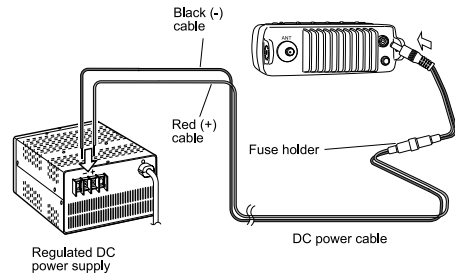
2. Connect the DC power supply to the regulated DC power supply and make sure that the polarity is correct. (Red: positive, black: negative).

- Use the DC power cord to connect the radio to the regulated power supply. Don't connect the radio directly to the AC power socket.

- Do not use the smaller size of the power cord to make a replacement.

3. Connect the DC power cord to the POC device.

- Insert the DC plug of the DC power cord into the DC jack on the back of the intercom, and press firmly into place.



## Replace fuse

If the fuse is blown, please find out the cause and then solve the problem. After the problem is fixed then replace the fuse. But if after re-installation the fuse is still blown, please disconnect the power cord and contact the local authorized dealer or authorized service center for assistance.

Fuse position	Fuse rated current
Radio (in DC connector)	10A
Equipped with DC power cord	5A

**Note:** Please use only the specified type and the rated value of the fuse; otherwise it might damage the radio.

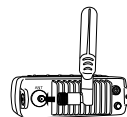
## Install the antenna

Turn off the power of the PoC radio, and turn the antenna head clockwise into the antenna connection port on the back of the radio until it is tight.

To remove the antenna, first turn off the radio. Then, rotate the antenna counterclockwise until it unscrews.

### Note:

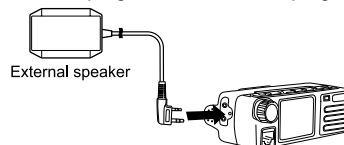
- ◆ Transmitting without connecting the antenna or other matching load may damage the radio. Be sure to connect the antenna to the intercom before launching.
- ◆ Do not use the antenna as a handle, key ring mooring place, etc., otherwise it may damage the antenna and reduce the performance of the radio



## Accessories connection

### ■ Speaker Microphone or headset + MIC

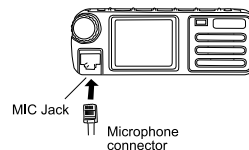
1. Please insert a select a speaker with  $8\Omega$  impedance or a suitable headset. External speaker socket can be connected with 2.5MM mono plug and 3.5MM MIC plug.



The left side of the walkie-talkie has two jacks for SP and MIC. Please refer to the instructions to determine how to use an external speaker or headset + MIC accessory.

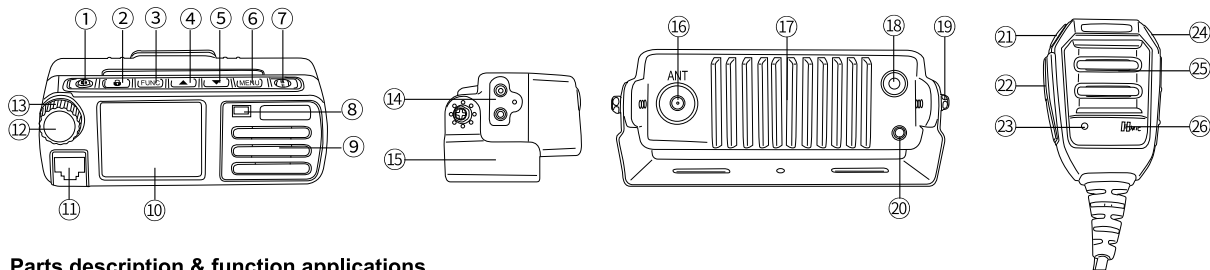
### ■ Microphone

Please insert the provided speaker microphone (with built-in speaker) to the RJ45 jack on left side of the radio to make voice communication. Press the connector until you hear a click sound from the locating plate in place.





## Radio Controls



### Parts description & function applications

NO.	Part Name	Function description and applications
①	Recording playback / power query	1) Short press this key, the intercom system will automatically play a recorded call or answer active voice content. 2) Press and hold this button, the intercom system will automatically detect the current remaining power and voice prompts the current power.
②	Keyboard lock	Open or close the keyboard lock;
③	Group / single call / call mode selection	1) Short press to switch from the main interface to the call interface and broadcast the current channel group and user ID; 2) In the call interface, press and hold for 3 seconds to enter single call mode, and then press and hold for 3 seconds to exit single call mode and return to normal group call mode; 3) In the main interface, press and hold for 3 seconds to enter the call (single call, group call, full call) mode selection. Select the mode by short pressing or pressing [▲/▼] key, and select [MENU] key to confirm after selection. Press and hold for 3 seconds to exit the call mode selection;
④	Up Key	Used for upward selection of group and menu related parameter settings, etc.;

NO.	Part Name	Function description and applications
⑤	Down Key	Used to select group and menu related parameter settings downwards;
⑥	[MENU] key	1) In the main interface state, short press this key to access the menu; 2) Press the [▲/▼] key to select the desired menu item, short press this key to enter, press the [▲/▼] key, select the setting item or parameter, etc., select and press the [MENU] key to confirm.
⑦	[B/E] key	1) In the menu operation mode, short press [B/E] key, the menu returns to the previous menu; 2) In the call interface, short press [B/E] key to exit the call interface and switch to the main interface mode;
⑧	LED Indicator light	Used for POC receiving and transmitting and network status indication;
⑨	Speaker	It is used to receive the voice of the calling party, or when you are operating the POC product, play the current operation status prompt;
⑩	TFT Screen	The human-machine visualization application that displays the working status and operation settings of various POC products is convenient for users to use and operate;
⑪	RJ45 Port	Connect the equipped original microphone hand microphone to this jack; Note: The microphone digital keyboard hand microphone is suitable for LTE-C300G/PLUS products;
⑫	[Call History/Dialing] key	1) When POC is in the main interface, short press this key to query the call record; 2) Select the desired number by pressing the [▲/▼] key, then press the [Call History] key to dial; 3) When the POC is on the call interface, press the [Call History] key to enter the selection and setting of the call type selection mode. Or check the device information, advanced settings and other details;
⑬	Volume adjustment knob	Turn clockwise or counterclockwise to increase or decrease the speaker volume;
⑭	SP/MIC Accessory interface	1) Used for external earphone accessories; 2) Connect the dedicated PC data cable to this jack to program or upgrade the PC;

NO.	Part Name	Function description and applications
⑮	Fuselage rack	Used to fix POC in a certain place;
⑯	Antenna port	Connect the dedicated LTE antenna to this port to ensure the communication stability and communication quality of POC;
⑰	Body heat sink	In order to improve the performance and stability of the equipment, to avoid damage or aging of equipment components due to excessive temperature;
⑱	Power jack	Insert the DC plug of the DC power cord into this jack to energize;
⑲	Rack fixing screws	It is used to adjust the angle of the fuselage. When adjusting, you need to loosen the left and right side screws first, and then re-tighten the left and right side screws after adjustment
⑳	switch on switch off	Press 1 to turn on/off POC;
㉑	Hand microphone/down key	Used to select the current group, menu, parameter and other settings downward; Note: Applicable to LTE-C300G products;
㉒	Launch [PTT] key	1) Press the [PTT] key to initiate a call, and then speak clearly into the microphone (MIC). 2) Release the [PTT] key and wait to receive the voice of the initiator.
㉓	Hand microphone / LED indicator	Press the [PTT] key, when the call is initiated, the LED indicator is always on;
㉔	Hand microphone / up button	Used to select the current group, menu, parameter and other settings up; Note: Applicable to LTE-C300G products;
㉕	Hand microphone speaker	Used to listen to the voice content sent by the other party or when you are operating the walkie-talkie, play the current operation status prompt; (not used)
㉖	Microphone (MIC)	When you press the (PTT) key to initiate a call, then speak clearly into the microphone (distance 3~5cm) to ensure that the receiver can receive clear voice;

## PoC Common sense and operating instructions

### LTE antenna

- LTE antenna is to ensure the communication stability and communication quality of POC;

### Volume control knob

- When rotating clockwise/counterclockwise, adjust the volume of the POC speaker output.

### Call history/dialing

- When the POC machine is in the main interface, short press this key to query the dialed, received or missed call records;
- When the POC is equipped with a hand microphone with a numeric keypad, you can enter the phone number through the numeric keypad, and then short press this key to dial;

**Note:** Applicable to LTE-C300G/PLUS products;

- When the POC machine is on the call interface, short press this key to enter the call mode selection. Or view device information, advanced settings details;

### LED status indicator

#### Red LED light

- When you turn on the POC machine, the red LED light is always on, and the system is running and preparing to log in. The POC machine is ready, the LED light is off, and it is in a waiting state;

- When you press the [PTT] key to initiate a call, the red LED is always on. When you release the [PTT] key, the LED light is off.

- When the red LED light flashes about 1S apart, it means that the current POC system has not been successfully logged in or is not ready. At this time, you cannot make any calls or receive and operate.

Single call mode LED indicator (successful system login)

- After the POC machine system login is successful, the red LED light flashes about 8S, indicating that the current POC machine is in single-call working mode and is online, allowing normal transmission and reception, as well as any operations and settings.

#### Blue LED light

- When the POC machine receives the call signal initiated by the calling party, the blue LED light is always on. At the same time, the horn makes a sound. When the calling party stops the call, the LED light is off.

LED indicator for group mode (successful system login)

- When the POC system is successfully logged in, the monitor color LED lights flashing about 8S, indicating that the current POC is set in the group work mode and is in the online state. It can normally transmit calls and receive calls and perform any related operations.

### Call mode selection

#### Group/Single call

When the POC system is in the call interface mode, you can select and set the call mode in the following two ways:

- Short press [call key] to access the call mode menu;
- Long press the [FUNC] key to select the calling mode;

Record playback/power query

## Audio playback

The POC device will record 20 recent call records of outgoing and received calls, so that you can play back and play recent call activities.

- When the POC system is in the waiting state, press the [↵] key, the POC system will automatically play a recorded call or answer the active voice content, by pressing the [↵] key, select the next active voice content to play Cycle operation.

Power query

- When the POC system is in the waiting state, long press the [↵] key, the POC system will play the current power and related information in voice.

speaker

- When the POC system is in the listening state, the speaker will play the currently received voice content of the originating caller. Or when you are operating the unit, the current operation prompt is played by voice.

## SP accessories (headphones)

- When you need to use an external earphone, please insert the plug of the earphone accessory that conforms to this product

in a balanced manner, and do not force it to insert it, so as not to damage the components.

## Hand microphone [PTT] key

The hand microphone [PTT] button has two basic uses:

- Press: to initiate a call;
- Release: receive the call from the other party

## Microphone (MIC)

- When you initiate a call or reply to a call, hold the microphone first so that it is in a vertical position. Then, keep the mouth and microphone (MIC) at a distance of 1 to 2 inches (2.5CM to 5.0CM). Then, speak clearly into the microphone (MIC).

friendly reminder

- When you press the POC [on/off] button, the POC system is turned on and the login server is ready. The time required is about 60S. Please wait patiently... After the POC login is successful or ready, it will be played by voice Prompts, you can use it normally at this time.

## Select group operation

When the POC system is ready and you enter the call interface, you can select the desired call group in the following two ways:

1. Select the group by pressing the [▲/▼] key on the POC machine;
2. Select the group by pressing the [▲/▼] key on the microphone of the microphone;

## Access the POC device main menu operation

### Setting

If necessary, you can choose WIFI, Bluetooth, mobile network, access point name (APN), system upgrade, display, knob setting (including: on/off button), sound, language, date by accessing the main menu settings Parameter setting or selection such as time and POC setting options about equipment.

process:

1. With the POC in the main interface, press the [MENU] key to access the main menu.

2. Press the [▲/▼] key to select the "Settings" option, and then press the [MENU] key to confirm and enter the submenu;

- Screen display WIFI, Bluetooth, mobile network, access point name (APN), system upgrade, display, knob settings (including: on/off button), sound, language, date and time, about the device and other options.

3. Press the [▲/▼] key to select the desired option, and then press the [MENU] key to confirm. Perform the following options:

①. **WLAN** → press [MENU] key → press [MENU] key, select on/off → display current WIFI network list → press [▲/▼] key, select the desired network → press [MENU] key to confirm → enter the current Network password → press [MENU] key to confirm → press [B/E] key to return to the previous menu.

②. **Bluetooth** → press [MENU] key → press [MENU] key, select on/off → display current Bluetooth device list → press [▲/▼] key, select the desired device → press [MENU] key to

confirm → enter the current Device password → press [MENU] key to confirm → press [B/E] key to return to the previous menu.

③. **Mobile network** → Press [MENU] key → Display current network → Press [MENU] key, select network type → Press [▲/▼] key, select the desired network type → Press [MENU] key to confirm, the screen returns Previous menu → Press [B/E] key to return to the previous menu.

④. **Access point name (APN)** → press [MENU] key, press [▲/▼] key, select the following options:

- **New APN** → Press [MENU] key → Press [▲/▼] key, select the desired option → Press [MENU] key → enter the current required content → press [MENU] key → screen returns to the previous menu → press [B/E] key to return to the previous menu.

- **Modify APN** → press [MENU] key → press [▲/▼] key, select the desired network → press [MENU] key → press [▲/▼] key, select the desired option → press [MENU] key → enter Currently required content → Press the [MENU] key → the screen returns to the previous menu → press the [B/E] key to return to the previous menu.

⑤. **System upgrade** → press [MENU] key → display upgrade dialog box, enter upgrade status → after the upgrade is completed, the screen returns to the previous menu → press [B/E] key to return to the previous menu.

⑥. **Display** → Press [MENU] key, press [▲/▼] key, select the following options:

- **Screen off** → press [MENU] key → press [▲/▼] key, select

the desired option → press [MENU] key → screen returns to the previous menu → press [B/E] key to return to the previous menu.

● **Wallpaper** → Press [MENU] key → Press [▲/▼] key to select the desired wallpaper type → Press [MENU] key → screen returns to the previous menu → press [B/E] key to return to the previous menu .

⑦. **Knob setting (on/off button)** → press [MENU] key → press [▲/▼] key to select the desired shutdown type → press [MENU] key to confirm → press [B/E] key to return to the previous Level menu.

⑧. **Sound** → Press [MENU] key → press [▲/▼] key, select the desired type → press [MENU] key to turn on/off → press [B/E] key to return to the previous menu.

⑨. **Language** → Press [MENU] key → press [▲/▼] key to select the desired language type → press [MENU] key → the screen returns to the previous menu → press [B/E] key to return to the previous level menu.

⑩. **Date and time** → press [MENU] key → press [▲/▼] key to select the desired type → press [MENU] key to turn on/off \* press [B/E] key to return to the previous menu.

⑪. **About the device** → press the [MENU] key → press the [▲/▼] key, select the desired viewing item → press the [MENU] key → press the [▲/▼] key, turn the page to view the content → press [B/E] → Key to return to the previous menu.

4. After setting, press [MENU] key to confirm. Or press [B/E] to cancel and the screen returns to the previous menu.

5. Press [B/E] key, the screen returns to the previous menu.

## Contact person

If necessary, you can view the contact list or add contacts by accessing the "Contacts" item in the main menu.

process:

1. With the POC in the main interface, press the [MENU] key to access the main menu.

2. Press the [▲/▼] key to select the "Contact" option, and then press the [MENU] key to confirm, the screen displays the contact list;

3. Select the desired contact by pressing the [▲/▼] key, and then press the [MENU] key to confirm.

● The screen displays sub-menu options such as viewing details, adding contacts, editing contacts, deleting contacts, etc.;

4. Select the desired option by pressing the [▲/▼] key, and then press the [MENU] key to confirm and execute the following options:

①. **View details** → press [MENU] key → display current contact details → press [B/E] key to return to the previous menu.

②. **Add a contact** → press the [MENU] key → enter the name and phone number of the contact → after entering, press the [MENU] key to store, and the screen returns to the previous menu.

③. **Edit contact** → press [MENU] key → enter contact name and phone number → after input, press [MENU] key to save, the screen returns to the previous menu.

④. **Delete contact** → press [MENU] key to delete → the screen prompts that the contact has deleted characters, and the screen returns to the previous menu.

5. Press the [B/E] key to return to the previous menu. Or exit the contact operation mode.

## POC intercom platform

If necessary, you can access the "POC Intercom" item in the main menu to log in to the current intercom platform and operate APK.

### process:

1. With the POC in the main interface, press the [MENU] key to access the main menu.
2. Press the [▲/▼] key to select the "POC Intercom" option, and then press the [MENU] key to confirm, the screen displays the intercom platform interface and the current intercom group;
3. Select the desired intercom group by pressing the [▲/▼] key.
4. Press [B/E] key, the screen returns to the main menu interface.

## Text Message

If necessary, you can edit the new message or view the contents of the short message such as inbox, outbox, and draft box by accessing the "short message" item in the main menu.

### process:

1. With the POC in the main interface, press the [MENU] key to access the main menu.
2. Press the [▲/▼] key to select the "Short Message" option, and then press the [MENU] key to confirm.
  - The screen displays new information, inbox, outbox, draft box options;
3. Select the desired option by pressing the [▲/▼] key, and then press the [MENU] key to confirm and execute the following options:
  - ①. **New message** → press [MENU] key → enter recipient and message content → press [MENU] key to confirm → select send

or other options → press [MENU] key to confirm → press [B/E] key to return to the previous Level menu.

②. **Inbox** → press [MENU] key → display inbox list → press [▲/▼] key to select → press [MENU] key → press [B/E] key to return to the previous menu.

③. **Outbox** → press [MENU] key → display inbox list → press [▲/▼] key to select → press [MENU] key → press [B/E] key to return to the previous menu.

④. **Draft box** → press [MENU] key → display inbox list → press [▲/▼] key to select → press [MENU] key → press [B/E] key to return to the previous menu.

4. Press the [B/E] key to return to the previous menu. Or exit the SMS operation mode.

## Dial

If you need to, you can dial the phone and other operations by accessing the "Dialing" item in the main menu.

### process:

1. With the POC in the main interface, press the [MENU] key to access the main menu.
2. Press the [▲/▼] key to select the "Dial" option, and then press the [MENU] key to confirm.
  - The screen displays a dialogue window for entering a phone number;
3. Enter the phone number through the numeric keypad of the hand microphone.
4. After the input is complete, press the [Call History/Dial] key to



make a call.

5. At the end of the call, press the [B/E] key to hang up.

**Note:**

- Some function setting items in the main menu are only valid for LTE-C300G/PLUS products;
- When you perform the related operations or parameter settings of the main menu, you need to be equipped with a dedicated digital keyboard input function before you can operate;
- Functions such as telephone dialing and short message are limited to the POC system that supports this function, or conform to the relevant regulations of the local network operator before they can be used normally;
- For other details, please consult your local POC agent or distributor;

## Maintenance and Clean

To ensure the best performance and prolong working life, please acquaint yourself with the following for maintenance and cleaning.

### Maintenance

- ⊙ Please do not scratch or puncture the device with hard or sharp object.
- ⊙ Please do not place the device in an environment which can corrode electronic circuits or under direct solar radiation.
- ⊙ Please do not carry the device by its antenna or headset.
- ⊙ Please make sure the SP-MIC plug is covered when not in use.

### Clean

- ⊙ Please clean your device regularly by using a dry clean cloth or soft brush to wipe the dust on the surface and on the charger contacts;
- ⊙ The keypads, control knob and housing of the device may be dirty from use. Please use nonwoven wipes to clean them. Do not use chemicals to clean it such as detergent, alcohol, spray or petroleum products, on the device surface or printed labels. Chemicals can damage the housing, display and remove the printing on the labels. Before power on the radio, please make sure the device is dry completely.

## Main Specifications

Items	Specification / Support items
Network Type	CDMA 1X: 800MHz GSM: Quaband(850/900/1800Mhz) WCDMA: Band1/Band3/Band5/Band8 EVDO: EVDO Rev.A 800MHz TD-SCDMA: band34/Band39 TDD-LTE: Band38/Band39/Band40/Band41 FDD-LTE:Band1/Band3/Band5/Band8
WIFI (Optional)	Yes
GPS (Optional)	GPS/BEIDOU/GLONASS
Bluethooth (Optional)	BT4.1LE
Nominal Voltage	DC: 5V~48V
Working Temperature	-25℃~+75℃
Measurement (L x W x H)mm	121.5x 65.5 x 42.5mm

## General Troubleshooting Guide

Troubleshooting Description	Analysis of causes	Handling method
<p>Can't turn on Global Connect intercom or The system cannot log in</p>	Poor network signal strength	Change location.
	Whether the input voltage meets the preset value of the radio	Set the power supply to between 5V and 48V.
	The system cannot log in	Restart the intercom or check whether the SIM card is inserted.
<p>When the signal is received, the sound becomes small or unclear, the signal is intermittent or silent</p>	Volume adjustment value is small	Re-adjust the volume value to become larger.
	Antenna gets loose or bad network signal.	Power off the radio and re-install the antenna, or change the antenna with right frequency. Change a place.
	Speaker is blocked or damaged.	Try to clear the outer speaker or contact your dealer.
	Poor communication environment or strong electromagnetic interference, the location is blocked by high buildings, or located in the basement and other poor signal environments.	Change the communication environment, move to the open and flat field. Turn off the power and re-power on the radio to try again.
<p>Fail to talk with group members</p>	The current working group or signaling ID is different with other group members.	Change group or reset signaling to be same as other group members.

## Standard accessories



Main machine



Handheld MIC



Automotive DC power cord



Antenna



DC power extension cord



Mounting brackets



Screw set



MIC With digital keypad (Optional)

# Kydera®

PROFESSIONAL DIGITAL TWO-WAY RADIO

---

福建新世纪通信股份有限公司  
Fujian New Century Communications Co., Ltd

ADD: NO.1 FENGSHOU ROAD, ZHAOFENG INDUSTRIAL DISTRICT,  
QUANZHOU CITY, FUJIAN PROVINCE, CHINA.

TEL: (86)595-22899399 22883777 22882777

FAX: (86)595-22887666

E-mail: [kyd10@cnkyd.cn](mailto:kyd10@cnkyd.cn)

Free Hotline: 400-6525399

Http:// [www.century-comm.com](http://www.century-comm.com)    [www.kydera.com](http://www.kydera.com)