KANGLONG

POC Manual



1. Product Overview & Package Contents

Product Introduction

The KANGLONG G-200 is a professional Push-to-Talk over Cellular (PoC) two-way radio engineered for nationwide and global voice communication over 4G/LTE broadband networks. Featuring instant group dispatch, private calling, crystal-clear audio, and long battery life, it provides reliable, real-time connectivity for enterprise, logistics, and field operations.

Key Features

- Nationwide Coverage: Push-to-Talk communication over 4G/LTE cellular networks.
- Instant Voice Call: One-touch group dispatch and private individual calling.
- Compact & Rugged: Ergonomic, durable body engineered for daily commercial use.
- Type-C Fast Charging: Standard USB-C interface with long-lasting standby battery.

Package Contents

Please verify that all items listed below are present in the package:

• G-200 PoC Radio Unit	**x 1**
• Pre-installed Nano SIM Card	**x 1**
• USB Type-C Charging Cable	**x 1**
• AC Power Adapter (5V/1A)	**x 1**
• User Quick Start Guide	**x 1**

2. SIM Card Installation & Notice

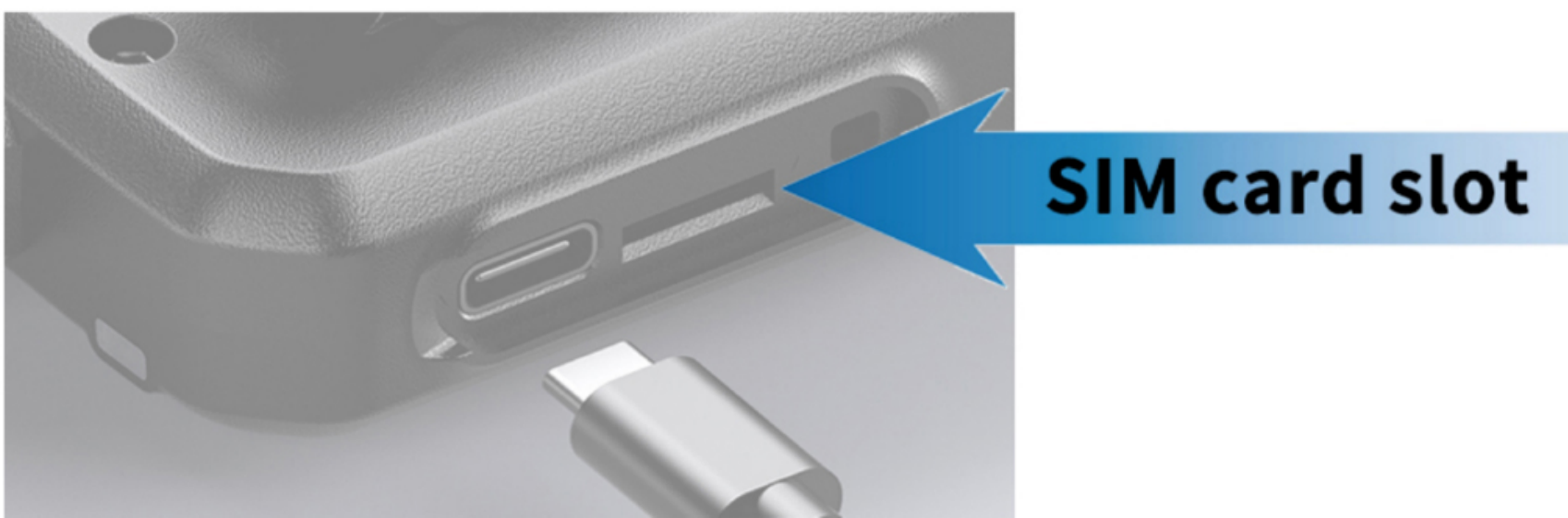
IMPORTANT NOTICE — PRE-INSTALLED SIM CARD

- A specialized IoT Nano SIM card is pre-installed and activated at the factory.
- DO NOT remove or replace the SIM card unless explicitly instructed by support.
- The instructions below are for authorized replacement only.

SIM Card Replacement Steps

1. **Power Off:** Ensure the radio is completely turned off before proceeding.
2. **Open Cover:** Gently lift and open the rubber protective cover on the right side.
3. **Orientation:** **Gold contacts facing FRONT, angled notch pointing UPWARD.**
4. **Insertion:** Slide the Nano SIM card into the slot until it clicks securely into place.
5. **Close Cover:** Press the rubber cover firmly to maintain dust/splash resistance.

Card Slot & Port Layout Reference:



3. Controls & Hardware Overview



LED Indicator
Tx / Rx / Power status

[PTT] Push-to-Talk
Press & hold to speak

USB-C Port
Charging / Earphone

[Menu / OK] Key
Menu enter / Confirm

SIM Card Slot
Nano SIM under cover

[Power / Exit] Key
On/Off / Back to Home

[▲] / [▼] Keys
Volume / Navigation

Powering On / Off the Radio:

- Power On: Press and hold the [Power] key for 3 seconds until the screen lights up.
- Power Off: Press and hold the [Power] key for 3 seconds until the shutdown prompt appears.

4. Key Functions & Operating Guide

[PTT] (Push-to-Talk) Key

• Transmitting: Press and hold the [PTT] key, wait for the talk grant tone, and speak clearly into the microphone (optimal distance: 3–5 cm). Keep holding while speaking.
• Receiving: Release the [PTT] key to listen. The radio will play incoming audio automatically.

[▲] / [▼] (Volume & Navigation Keys)

• Standby Mode: Short press [▲] or [▼] to increase or decrease the speaker volume.
• Menu Mode: Short press to scroll up/down through menu items, lists, and settings.

[Menu / OK] Key

• Main Menu: In standby mode, short press to enter the system main menu.
• Confirmation: Within menus, press to select options, enter submenus, or save parameters.

[Power / Exit] Key

• Exit Menu: In any menu, short press to return to the previous screen or standby screen.
• Power Control: Press and hold for 3 seconds to turn the unit on or off.

5. LCD Display & Status Icons

- Signal Strength: Indicates real-time 4G/LTE cellular signal quality.
- Network Type: Displays active cellular network standard (e.g., 4G/LTE).
- Battery Level: Shows battery status (detailed percentage available in menu).
- Headset Indicator: Displays when an external Type-C headset is connected.



- Current Group: Displays the active PoC talkgroup channel.
- Radio ID: Displays the assigned device identifier or user name.
- Time & Date: Automatically synchronized via the cellular network.

(Note: Screen illustration is for reference only; displayed carrier name, time, and date will automatically adapt to your local network).

6. Advanced Operations & Charging

Network Login & Calling Operations

• Auto Login: Once powered on, the radio connects to 4G/LTE, registers your account, and joins the default group automatically.
• Group Switch: Press [Menu/OK] → select "Groups" using [▲]/[▼] → press [Menu/OK] to join.
• Private Call: Press [Menu/OK] → select "Members" → choose contact → press [PTT] to call.

Battery Charging & LED Indicators

• Charging: Connect the supplied USB-C cable to a 5V/1A adapter. Full charge takes approx. 2–3 hours. Please charge fully before initial deployment.
• LED Indicator Definition:

- **Solid Red:** Transmitting (PTT active) / Battery charging
- **Solid Green:** Receiving voice audio / Battery fully charged
- **Flashing Blue:** Network registering / Standby mode

Specifications Summary:

Network: 4G/LTE (FDD/TDD) | Audio: 1W Speaker | Charging: Type-C DC 5V/1A

Operating Temp: -20°C to +50°C | Dimensions: 100 x 55 x 22 mm



RECYCLED PACKAGING

Environmental Protection & Compliance:
Please recycle this packaging and dispose of electronic components and lithium batteries in accordance with local environmental regulations. Do not incinerate.

KANGLONG ELECTRON. TECH. CO., LTD.

Official Website: www.kanglongradio.com

Designed for Professional Wireless Communication