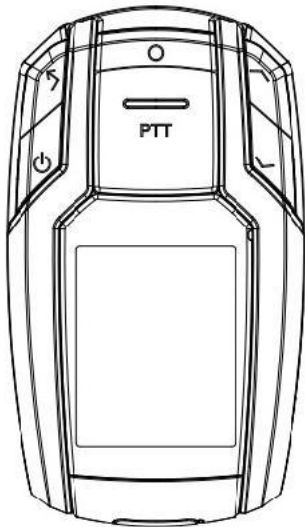


PoC Walkie Talkie

User’s Manual



Legal Disclaimer

Under no circumstances shall the company be liable for any loss of data or other damages, or any direct or indirect damages arising from special incidents or accidents.

The content of this manual is provided "as is." Unless required by applicable law, no warranties of any kind—express or implied—are made regarding its accuracy, reliability, or content, including but not limited to warranties of merchant -ability or fitness for a particular purpose. The company reserves the right to revise or withdraw this manual at any time without prior notice.

If there is any discrepancy between the content of this manual and your device, the device shall prevail. The company retains the final right to interpret this manual.

Charger Usage Precautions

1. Power Requirements
For optimal charging efficiency and safety, use a 220V AC power supply.
Do not short-circuit the charger, as this may cause electric shock, smoke, or damage to the charger.
2. Charger & Cable Condition
Do not use the charger if the power cord is damaged, as it may lead to fire or electric shock.
Regularly clean dust from the power outlet to prevent overheating.
Do not place heavy objects on the power cord or attempt to modify it, as this may cause fire or electric shock.
3. Environmental Safety
Keep liquids away from the charger—avoid placing water containers nearby to prevent spills, overheating, or short circuits.
Do not use the charger in humid or high-temperature environments (e.g., bathrooms), as this may cause electric shock, fire, or damage.
Never handle the charger, battery, or power outlet with wet hands—risk of electric shock.
4. Maintenance & Handling
Do not disassemble or modify the charger—this may result in injury, electric shock, fire, or device failure.
When unplugging, hold the charger body—pulling the cord directly may damage it, leading to fire or electric shock.
Always unplug before cleaning or maintenance.

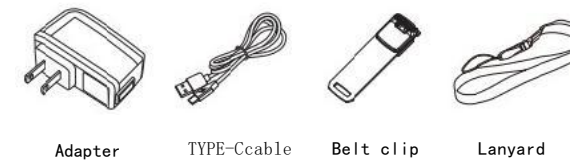
Main features

- 4G nationwide intercom ,unlimited range
- High-Fidelity Audio
- Low-Battery Voice Alert
- Group Call | Private Call | Buddy Call
- Over-the-Air (OTA) programming & firmware upgrades
- 7-level microphone sensitivity adjustment
- PTT (Push-to-Talk) with priority request/override function

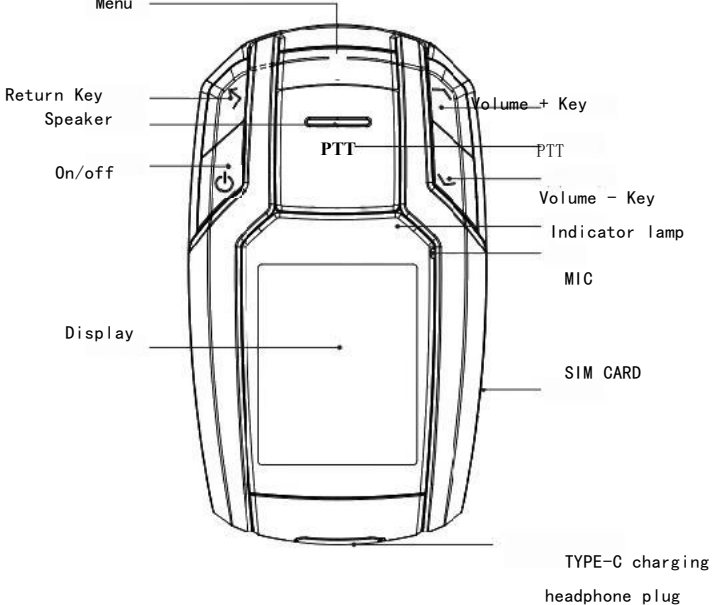
Unboxing & Product Inspection Guide

- Welcome to Your Walkie-Talkie
Before Use, Please:
 - Carefully unbox and check if all listed items are included.
 - Inspect the product and accessories for any damage during shipping.
 - Contact your dealer immediately if anything is missing or damaged.

Standard Package Contents:



Get to know the machine



HOW TO USE

Power On/Off

Turn On: Hold the power button for 2 seconds.

Turn Off: Hold the power button for 2 seconds (ensure keyboard is unlocked first).

PTT Key Functions

Standby Mode (green LED slow flash):

Press PTT to initiate a call (red LED on).

During Call (green LED on when receiving audio):

Hold PTT to request speaking rights (red LED on).

Release PTT to return to standby (green LED slow flash).

Menu & Confirm Key

Short Press: Access menu (Group List/Member List/Friend List/Device Settings).

Long Press: Mute audio.

Return Key

Short Press: Go back/exit current state.

Long Press: Lock/Unlock keyboard.

Volume + Key

Short Press: Increase volume (main screen) / Move cursor up (menu).

Long Press: Quick access to Group List.

Volume - Key

Short Press: Decrease volume (main screen) / Move cursor down (menu).

Long Press: Quick access to Member List.

Headset Usage

Compatible: TYPE-C headset (device-specific).

PTT Control: Press headset button to call; release to end.

Getting Started Guide

1. Inserting the UIM Card

Insert a valid UIM card (user identification card) before use.

2. Power On/Off

Turn On: Hold the power button for 2 seconds.

Voice prompt: "Welcome to 4G Full-Network Walkie-Talkie."

After successful login: Announces username and group name.

Turn Off: Hold the power button for 2 seconds (ensure keyboard is unlocked).

3. Volume Control

Short Press Volume +/-: Adjust volume.

Long Press Menu Key: Mute/unmute.

4. Group Call Setup

Method 1:

Press Menu Key → Select "Group List" (Confirm Key).

Use Volume +/- to navigate → Press Confirm Key to select group.

Method 2 (Quick Access):

Long Press Volume + → Directly enter Group List → Select group as above.

5. Private Call (Member Selection)

Method 1

Press Menu Key → Navigate to "Member List" (Volume +/-).

Select member → Press Menu Key to confirm.

Press PTT to call → Return Key to exit.

Method 2 (Quick Access):

Long Press Volume - → Enter Member List → Select member as above.

6. Buddy Call

Press Menu Key → Navigate to "Buddy List".

Select buddy → Press Menu Key to confirm.

Press PTT to call → Return Key to exit.

Device Settings Guide

1. Audio Alerts Setup

PTT Tone: ON/OFF

Power On/Off Tone: ON/OFF

TTS (Text-to-Speech) Prompt: ON/OFF

2. Backlight & Keyboard

Backlight Duration:

15 sec / 20 sec / 30 sec / Always On

Screen turns off after the set time; "Always On" keeps backlight active.

Auto Key Lock: ON/OFF

Prevents accidental key presses during standby.

3. Network Settings

Auto Mode: Device automatically selects the best available network.

4G Priority Mode: Forces 4G network connection.

4. Factory Reset

Reset All Settings:

Restores all functions to default factory settings.

Reset Account/Password:

Requires 6-digit password to revert account, IP, and login credentials to factory defaults.

Warning: Use cautiously if custom account/IP/password was set!

5. Software & Firmware

Software Upgrade:

Options: POC Upgrade (Push-to-Talk over Cellular) or MCU Upgrade (Microcontroller).

Requirements:

Battery ≥50%.

Stable network connection (do not power off during upgrade).

If failed, device auto-reboots after 7 minutes.

Over-the-Air (OTA) Programming:

Select OTA Mode → Enter the device's MEID into the programming tool.

Edit Account: Update username, password, or dealer access code.

Write Settings: Confirm changes → "Success" prompt appears.

Note: Some settings (right-side menu in tool) are disabled in OTA mode.

Wired Programming (Type-C Cable):

Connect via Type-C cable → Select "Wired Mode" in the tool.

Choose port: XGD Virtual COM Port (COM?).

Follow same steps as OTA for account changes.

Dealer passwords can be set independently here.

6. Microphone Sensitivity Level

Adjustable Levels:

Standard (Default)

+1 / +2 / +3 (Increase sensitivity for louder/clearer transmission)

-1 / -2 / -3 (Reduce sensitivity for noise suppression)

7. Location Information

Voice Broadcast: Announces current position via audio.

QR Code Display: Scan with a smartphone to view approximate location on a map.

Note: Uses cellular base station positioning (not GPS) — accuracy may vary.

8. Device Information

Access Path: Settings → About Device

Displayed Details:

MCU Version (Microcontroller firmware)

POC Version (Push-to-Talk over Cellular software)

Module Firmware

Device Account

IMEI Number (Device identifier)

Carrier Network

ICCID Number (SIM card identifier)

Technical Parameter

Working voltage : 3.7V	Battery capacity: 2000mAh
Operating system: RTOS	Receiver sensitivity: -106dbm
Language: customization	Maximum transmission power: 23dBm±2dBm@Alupbts
Antenna: built-in	Working temperature: -20℃~+60℃
Screen size: 1.77inches	Storage Temperature Range: -20℃~+60℃
Motherboard hardware platform: ASR1603	Audio output: 2W@10% distortion
Size: 100*57*22mm	Earphone Cable: TYPE-C
Weight: 104.3g(Including battery)	Charging method: TYPE-C

BANDS	SENDING	RECEIVING	UNITS
LTE-FDD B1	1920-1980	2110-2170	MHz
LTE-FDD B3	1710-1785	1805-1880	MHz
LTE-FDD B5	824-849	869-894	MHz
LTE-FDD B8	880-915	925-960	MHz
LTE-FDD B34	2010-2025	2010-2025	MHz
LTE-FDD B38	2570-2620	2570-2620	MHz
LTE-TDD B39	1880-1920	1880-1920	MHz
LTE-TDD B40	2300-2400	2300-2400	MHz
LTE-TDD B41	2535-2675	2535-2675	MHz

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction

Specific Absorption Rate (SAR) information:

This product meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

FCC RF Exposure Information and Statement The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device type: TD-C58 (FCC ID: 2BO5B-TDC58) was also tested against these values. The highest SAR value for accessories worn on the body, face is 0.83 W/kg and 0.39 W/kg. The device tested typical body wear operations with the back of the product 5mm from the body. To meet FCC RF exposure requirements, use accessories that maintain a separation distance of 5mm between the user's body and the back of the product. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.