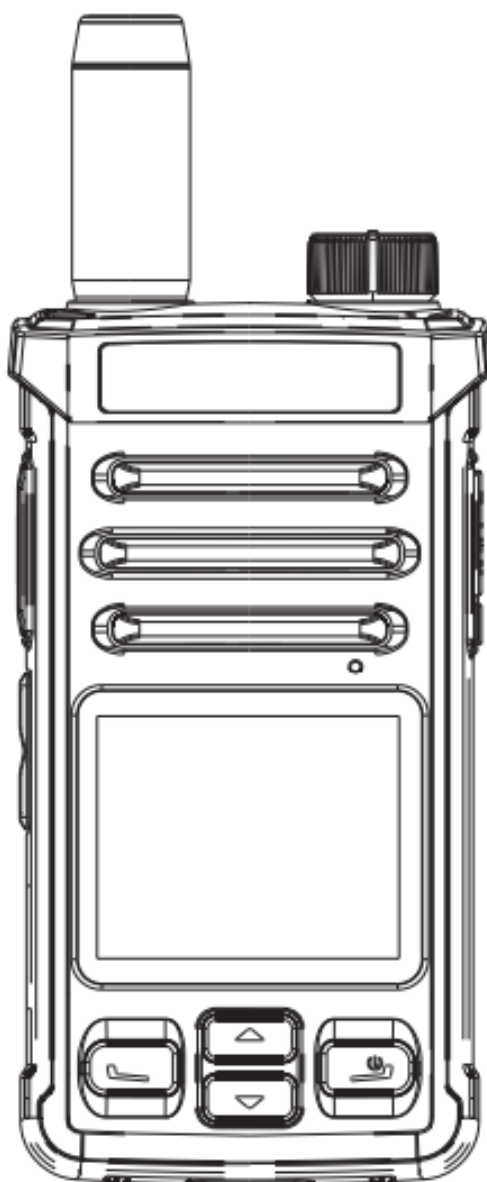




**TAURUS**

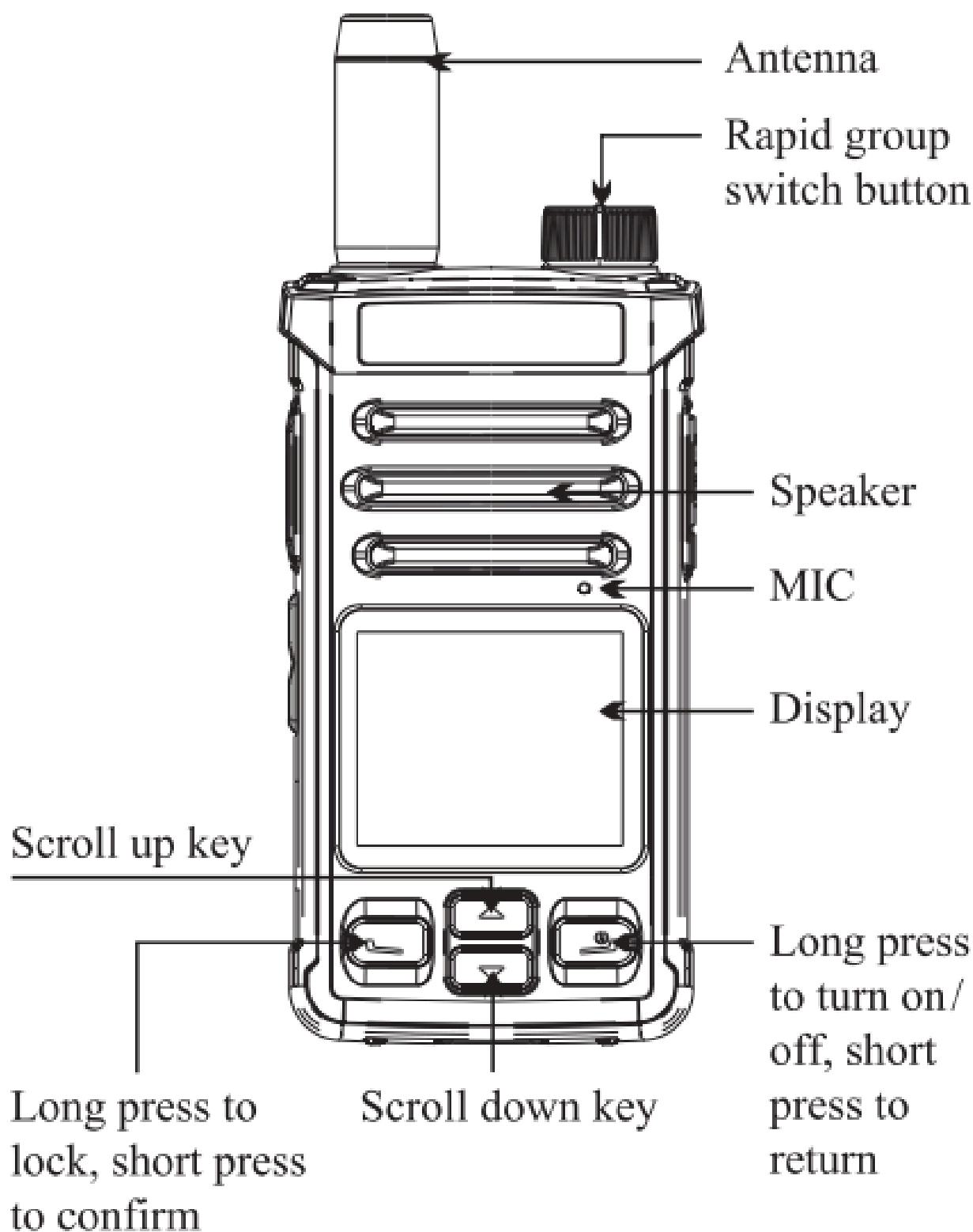
# **5G-GSM Radio**

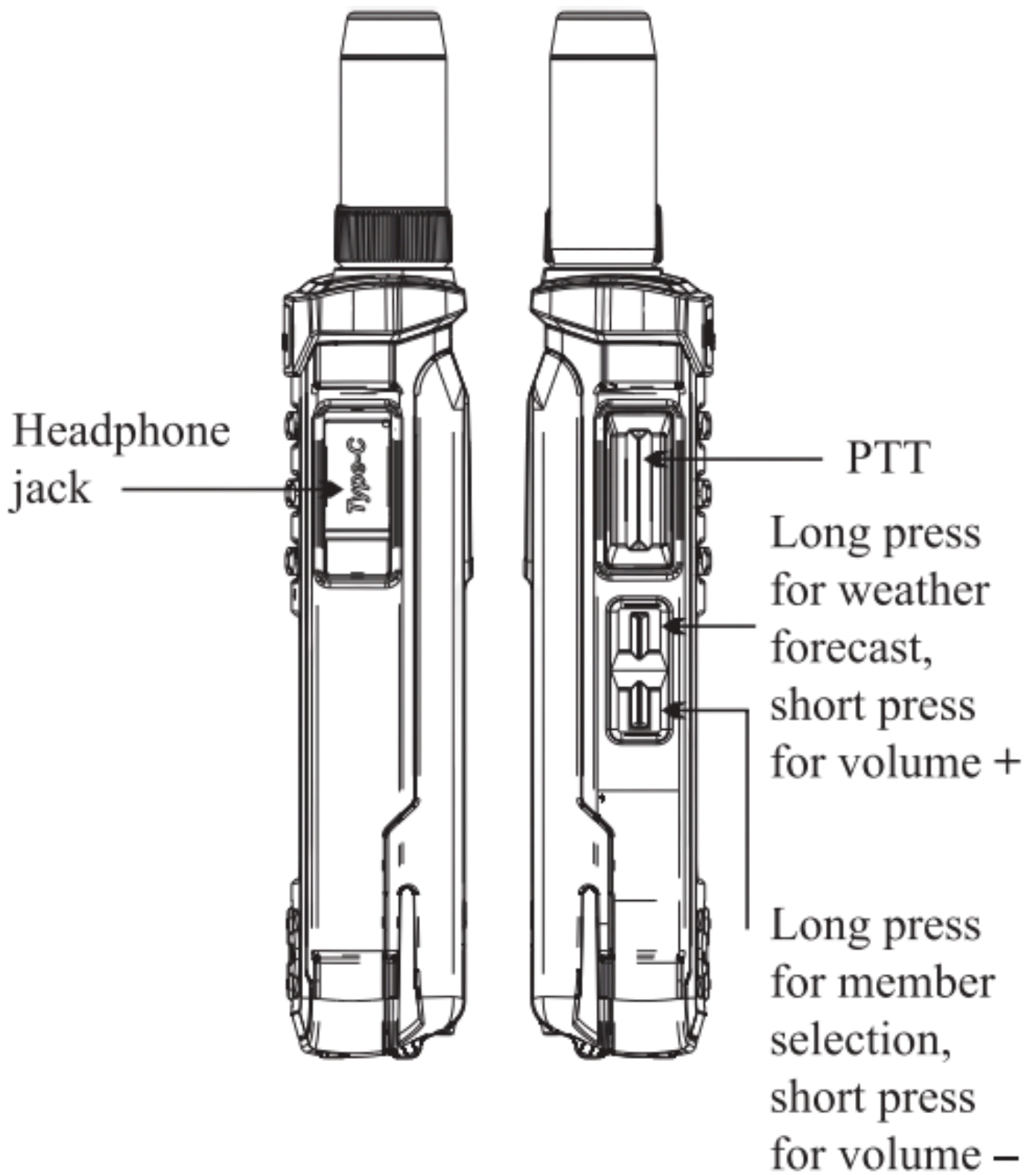


**TR101 / TR102**

**User Manual**

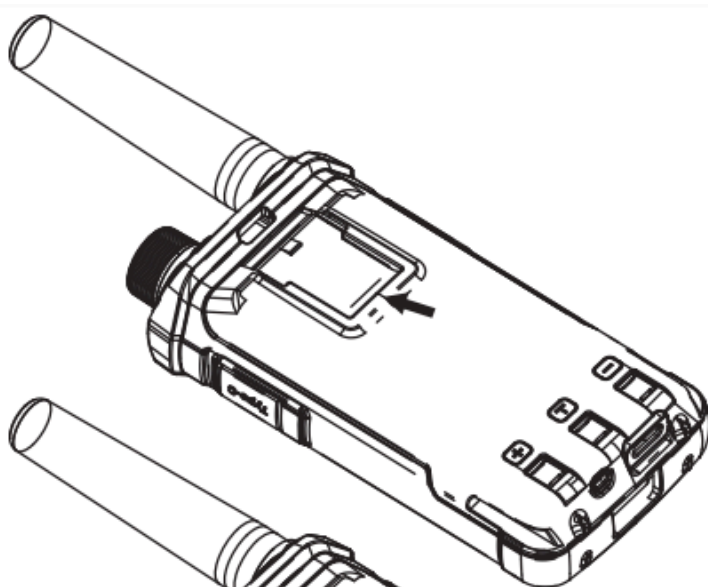
# Product Overview



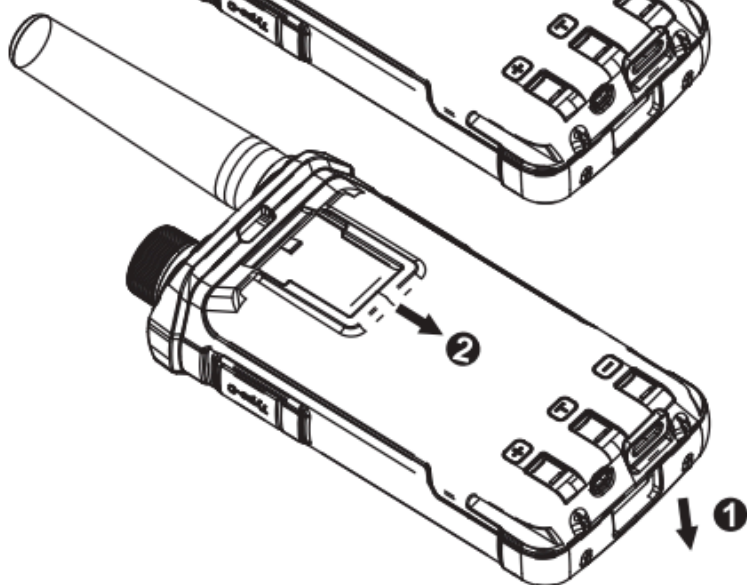


## Install/Remove the battery

Align the two notches of the battery with the corresponding rails on the aluminum back cover of the radio, ensuring that the battery is in full contact with the aluminum cover and parallel to it. Slide the battery a long the rails on the back of the radio until it locks into place at the battery lock on the base of the walkie-talkie. To remove the battery, first ensure that the radio is turned off. Press down on the battery lock, confirm that the main unit and the battery are in the released state, and then push the battery backward to remove it from the radio.



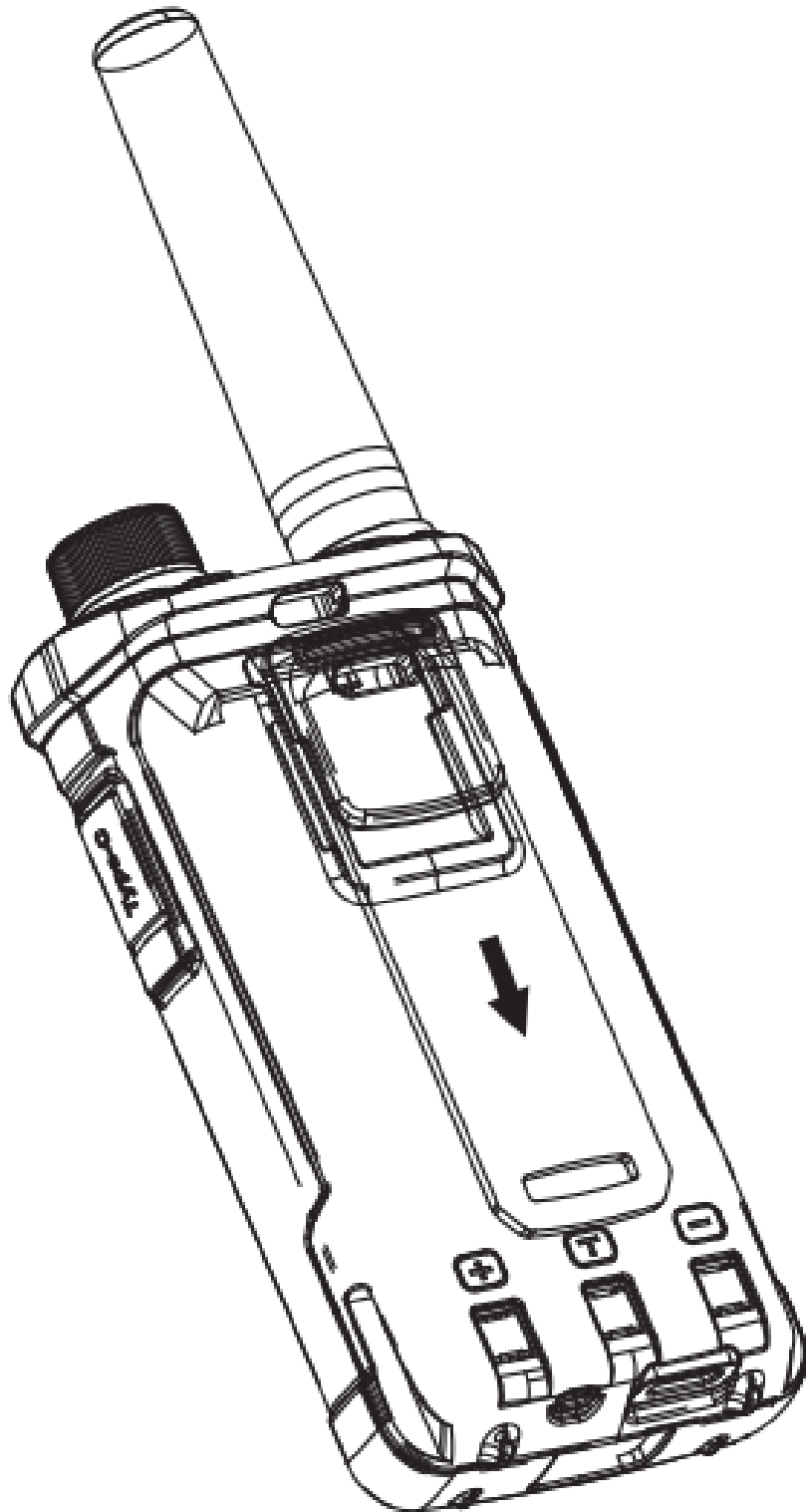
Installation diagram



Removal diagram

## **Attach/Remove Belt Clip**

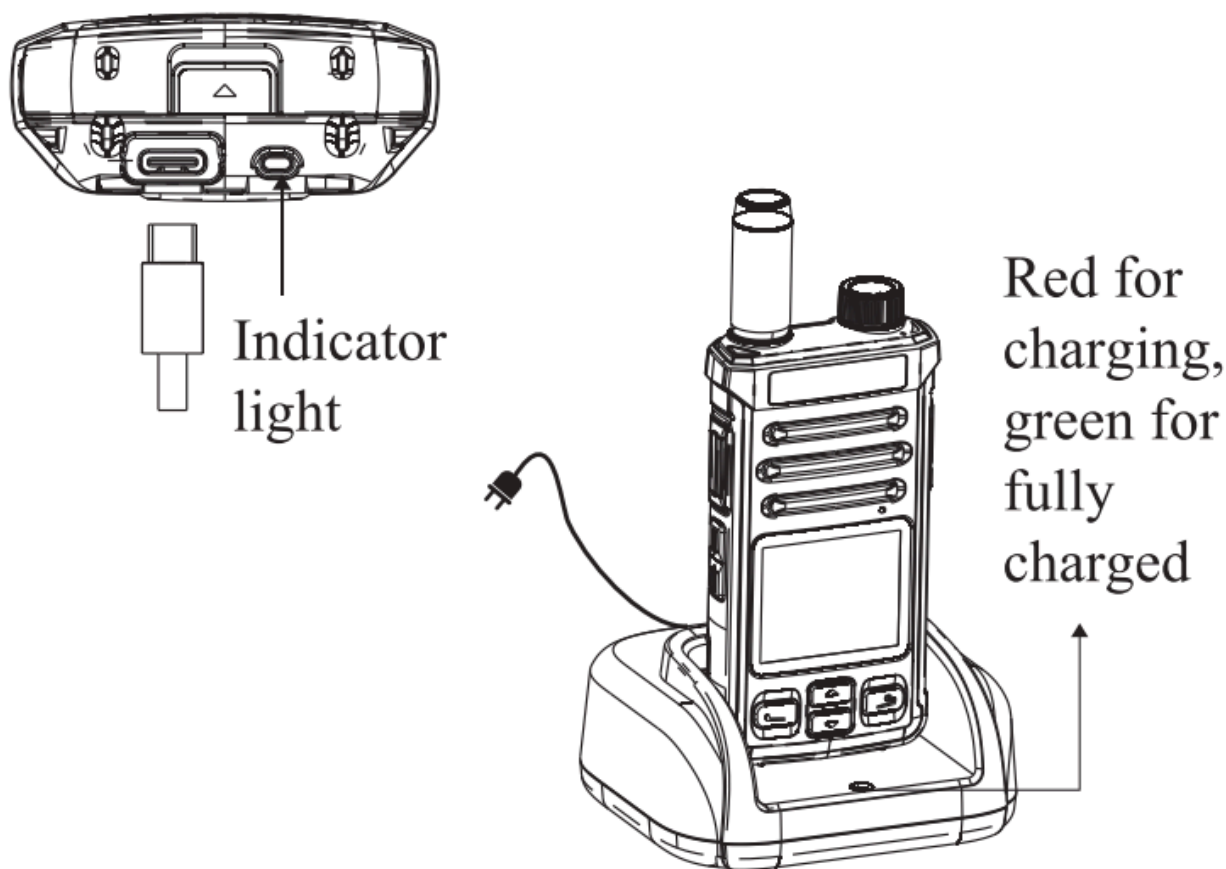
Insert the clip from above the battery and push it down into place.



## Charging Method and Safety Precautions

After the charger is connected to the power source, insert the battery and ensure it makes proper contact. The charger's indicator light will turn red, indicating that charging has started.

When the battery is fully charged, the charger's indicator light will turn green. If the temperature exceeds the operating range, the battery is damaged, or there is poor contact during the charging process, the charger's indicator light will not illuminate



## **Main function features:**

- Global communication, unlimited distance.
- High-fidelity audio
- Low battery voice alert
- Group / Individual/friend calls
- Over-the-air programming (OTA) /Firmware upgrade
- PTT request/priority access Quick group switching
- Ultra-slim design

## Unpacking and product inspection

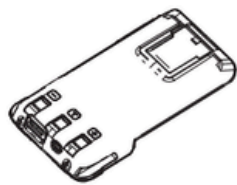
Welcome to use the radio. Before using it, it is recommended that you:

Open the packaging box carefully and confirm whether there are the items listed in the following table in the box. If you find any loss or damage of this product and accessories during transportation, please contact the dealer immediately.

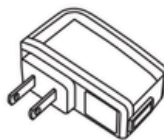
### Standard Accessories:



radio



battery



adapter



type-c  
cable



belt clip

## **Install the SIM card**

Before using this device, insert a valid SIM card into the device.

## **Power on**

In the shutdown state, long press the (return/power on/off button). After turning on the device, a voice prompt will be displayed saying 'Welcome to use the public network intercom'. After successfully logging into the platform, the voice prompts: username, group name.

## **Adjust the volume**

Press the side keys to adjust the volume up and down freely.

## **Select group (group call)**

There are two ways to select a group:

1. Press the menu button to enter the menu interface, then press the confirm button to enter the "group list", and then press the scroll up/down button to select the desired "group". Press the confirm button to complete the group selection.
2. Rotate the encoding switch on the main interface to freely switch groups.

## **Member selection (single call)**

There are two ways to select members:

1. Press the menu button to enter the menu interface, then press the up/down button to move the cursor to the "member selection list", and then press the confirm button to enter the "member list". Press the up/down arrow keys to move the cursor to the desired "member", and press the menu key to complete the "member selection". Press PTT for single call. Press the back button to exit the single call.
2. Long press and hold the side keys on the main interface to enter the " Member List", Press the up/down arrow keys to move the cursor to the desired "member", and press the menu key to complete the "member selection" Press PTT to make a single call. Press the back button to exit the single call.

## **Friend selection (friends)**

Press the menu button to enter the menu interface, then press the up/down button to move the cursor to the "friend selection list", and then press the confirm button to enter the "friend list". Press the up/down arrow keys to move the cursor to the desired "friend" option. Press the menu key to complete the "friend selection". Press PTT for single call. Press the back button to exit the single call.

## **Device Operation Guide**

### **Power On/Off**

Power On: Press and hold the (Return/Power button) until the device starts.

Power Off: Press and hold the (Return/Power button) until the device shuts down.

### **PTT Button Functionality**

A: In standby mode (green light blinking slowly), press the PTT button to initiate a call (red light on). B:

During a call, when receiving voice (green light on), hold the PTT button to request the floor (red light on), release the PTT button to release the floor and return to idle state (green light blinking slowly).

### **Side Top Button Functionality**

Short Press: Increase volume.

Long Press: Broadcast weather forecast.

### **Side Bottom Button Functionality**

Short Press: Decrease volume.

Long Press: Member selection.

### **Menu/Confirm Button Functionality**

Short Press: Enter the menu or confirm the selected function and proceed to the next page.

Long Press: Lock or unlock the screen.

## **Page Turn Button Functionality**

Page Up Button: Scroll up through function options.

Page Down Button: Scroll down through function options.

## **Return/Power Button Functionality**

Short Press: Return to the previous menu. Long Press: Perform power off or on operation.

## **Rapid group switch button**

Freely switch groups on the main page.

## Device Settings

1. Display Settings Sleep Settings:  
5S/10S/20S/30S/60S/Never Sleep Backlight Settings:  
1/2/3/4/5
2. Sound Settings PTT Tone: On/Off Keypress Tone:  
On/Off
3. Keyboard Lock: Manual/Automatic
4. Voice Broadcast Settings: On/Off
5. Power Saving Mode: High Efficiency Mode/Power Saving Mode/Ultra Power Saving Mode
6. Signal Strength: Display current signal strength
7. Dual SIM Selection: SIM1 Priority/SIM2 Priority/Auto Mode
8. Battery: Display current battery level
9. System Information: Display current account, platform, card number, IMEI, version number
10. Service Information: Display current network provider
11. Software Update: Upgrade to the latest version
12. Platform Selection
13. Weather Forecast: Broadcast current regional weather conditions
14. Network Selection: 4G/5G
15. IMEI QR Code: Display the device's QR code
16. Group Member Display: On/Off
17. Factory Reset: Restore device to factory settings

## **Technical Specifications**

Working voltage: 3.7v

Operation system: RTOS

Language: custom

Antenna: Built in, 44\*8mm

Screen size: 1.77 inch

Mainboard hardware platform: ASR1603

External dimensions: 114\*57\*24mm

Whole machine weight: 174g (including battery)

Receiving sensitivity: -106dbm

Max transmission power: 23dBm  $\pm$ 2dBm@Alupbts

Working temperature range: -20°C+6°C

Storage temperature range: -20°C+60°C

Audio output power: 2W@10 distortion

Earphone line: TYPE-C headphone cable

Charging method: all-in-one charging/TYPE-C  
battery charging

Frequency	Sending	Receiving	Unit
FDD-LTE B1	1920-1980	2110-2170	MHz
FDD-LTE B2	1850-1910	1930-1990	MHz
FDD-LTE B3	1710-1785	1805-1880	MHz
FDD-LTE B4	1710-1755	2110-2155	MHz
FDD-LTE B5	824-849	869-894	MHz
FDD-LTE B7	2500-2570	2620-2690	MHz
FDD-LTE B8	880-915	925-960	MHz
FDD-LTE B12	699-716	729-746	MHz
FDD-LTE B17	704-716	734-746	MHz
FDD-LTE B28A	703-748	758-803	MHz
FDD-LTE B28B	718-748	773-803	MHz
FDD-LTE B66	1710-1780	2110-2200	MHz
TDD-LTE B34	2010-2025	2010-2025	MHz
TDD-LTE B38	2570-2620	2570-2620	MHz
TDD-LTE B39	1880-1920	1880-1920	MHz
TDD-LTE B40	2300-2400	2300-2400	MHz
TDD-LTE B41N	2496-2690	2496-2690	MHz



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