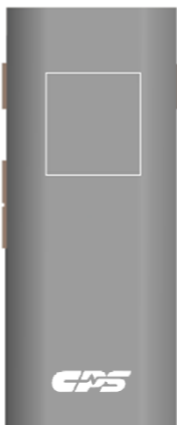




**CP221**

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POC Transceiver  
USER MANUAL



## 1. GENERAL INFORMATION

### 1.1 【Introduction】

The 4G public network walkie-talkie allows global voice connectivity and communication with clear audio quality and no constraints of distance.

### 1.2 【Key Features】

- ✧ Linux operation system
- ✧ LTE network
- ✧ Global calling and instant response

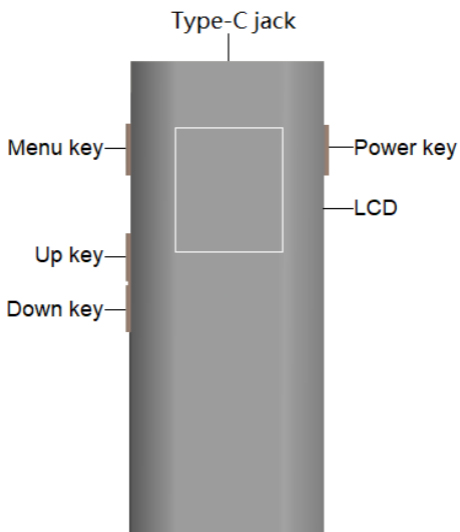
### 1.3 【Accessories】

- ✧ Li-ion battery
- ✧ Belt clip
- ✧ User manual

### 1.4 【Optional】

- ✧ External speaker/microphone
- ✧ CS88-222 Rapid Charger (10 Slots)

## 2. CONTROLS AND INDICATORS

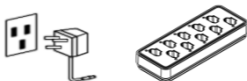


## 3. CHARGING THE BATTERY

### 3.1 Charging of on-board battery

Plug the AC plug into the 110-220V AC power output socket.

Align the walkie talkie with battery with the positioning slot and insert it into the charging base for charging,and confirm that the contact is reliable and stable.



Note :When the red indicator light of the charging seat is on,it indicates that the battery is charging ;When the green indicator light of the charging stand is on,it indicates that the charging is completed and the battery is ready for use ;Remove the AC plug of the data cable of the charging stand from the AC power output socket.

## 4. BASIC OPERATION

### 4.1 Powering On/Off

To power on the radio,hold down the 【Power key】 key for 2 seconds until the screen displays CPS Logo.

To power off the radio,hold down the 【Power key】 key for 2 seconds until the screen displays "Power off ".

### 4.2 Adjusting Volume

To increase the volume,press the 【Up key】 key on the radio,

To decrease it, press the 【Down key】 key on the radio.

### 4.3 Enter Transmitting Status

Press and hold the headset 【PTT key】 ,and the red indicator light will be on.

When speaking into the microphone ,please keep the distance between the microphone and the mouth about 3 cm,and speak in a normal tone, so that the receiver can obtain the best voice quality.

### 4.4 Enter Receiving Status

When receiving,please release the headset 【PTT key】 to enter the receiving status.

When the same group name you are using is called,you can receive the voice.

### 4.5 Low Power Prompt

When the battery voltage is too low,voice broadcast "Di Di " sound,when the power is too low,the radio will automatically shut down to protect the module.

## 5. MENU OPERATION

### 5.1 Select Group

In standby mode, short press **【Menu key】** key to enter the menu mode, enter **【Group icon】**, press **【Up key】** **【Down key】** key to choose group name, then short press **【Menu key】** key again to confirm, short press **【Power key】** key to return to the previous screen.

### 5.2 Select Member

In standby mode, short press **【Menu key】** key to enter the menu mode, enter **【Member icon】**, press **【Up key】** **【Down key】** key to choose individual calling users, then short press **【Menu key】** key again to confirm, short press **【Power key】** key to return to the previous screen.

**Note: Online users are required to be called.**

### 5.3 Settings

In standby mode, short press **【Menu key】** key to enter the menu mode, enter **【Settings icon】**, press **【Up key】** **【Down key】** key to choose operation items, then short press **【Menu key】** key again to confirm, short press **【Power key】** key to return to the previous screen.

- Enter **【LED out】** and short press **【Up key】** and **【Down key】** to select the screen off time, then short press **【Menu key】** key again to confirm.
- Enter **【Quality】** and short press **【Up key】** and **【Down key】** to select the speech quality (4K or 8K), then short press **【Menu key】** key again to confirm.
- Enter **【Talk Tone】** and short press **【Up key】** and **【Down key】** to turn On/Off, then short press **【Menu key】** key again to confirm.
- Enter **【Key Tone】** and short press **【Up key】** and **【Down key】** to select the Key tone On/Off, then short press **【Menu key】** key again to confirm.
- Enter **【Language】** and short press **【Up key】** and **【Down key】** to select the Chinese/英文, then short press **【Menu key】** key again to confirm
- Enter **【Power saving mode】** and short press **【Up key】** and **【Down key】** to select the power saving mode, then short press **【Menu key】** key again to confirm.
- Enter **【Time Zone】** and short press **【Up key】** and **【Down key】** to select the (-11 - +12), then short press **【Menu key】** key again to confirm.

**Note: Long press the **【Menu key】** to lock or unlock the keyboard.  
When the key lock is enabled, only the menu key cannot be operated.**

### 5.4 Radio Info

Enter **【Radio icon】**, then short press **【Menu key】** key again to confirm to can display device information.

Account information, device information, version information,

## 6. TROUBLESHOOTING GUIDE

Troubleshooting	Solution
No response after powered on POC radio	Battery power too low: The battery may have run out, replace battery or charge. SIM card failure: check or replace the SIM card Poor battery contact: Reinstall the battery or clean the battery contact points
Insufficient standby time	Battery performance degradation: replace battery
Charging failure	Poor contact :Check contact,replace socket or plug Battery voltage is too low : It will cause no charging display,charge for about half an hour, then unplug and recharge Battery failure : Replace battery Charger failure :Replace or repair the charger
The speaker has no sound or low sound.	Volume setting low: Turn the volume setting up. Water ingress into the speaker grid: Swing the walkie talkie to drain the accumulated water in the speaker grid.
No network connection	Bad signal : Move to the open area and try again Not in the service area :Try to confirm network coverage

## TECHNICAL SPECIFICATIONS

<b>Working voltage</b>	DC 3.3V~4.2V	
<b>Input</b>	5V/0.5A	
<b>Battery capacity</b>	650mAh	
<b>Antenna impedance</b>	50Ω	
<b>Size(H xW x D)</b>	69x28x14mm	
<b>Weight Incl. battery</b>	40g	
<b>Network</b>	<b>Radio method</b>	TDD-LTE / FDD-LTE
	<b>Frequency</b>	TDD-LTE : Band 34/Band38/39/40/41 FDD-LTE : Band1/3/5/8



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