

BelFone ProChat PoC

User's Manual

Preface

Thank you for purchasing BelFone professional radio. We are convinced that the radio you bought will provide you convenient and reliable communication and maximize your efficiency.

Made with advanced technology, BelFone products will bring you quality-wise and function-wise satisfaction.

Applicable Model

Model: BF-CM632

Please power off the radio in the following environments:

- Explosive(gaseous, dusty, smoky, etc.) environments;
- When filling up the gas tank or parking in the gas station.
- Do not make the battery port short-circuit or throw the battery into a fire in case of explosion.
- Do not try to take off the battery casing.
- Do not install the battery in fire and explosion-pron environment in case of spark-caused explosion.

Note: If you want to use this product for secondary development, please contact BelFone or local BelFone dealer.

Precautions

Please follow following precautions to prevent fire, personal injury or damage to the machine:

- The recommended usage rate for the radio is less than 1 minute for TX and less than 4 minutes for RX. Long and continuous TX will result in heating of the rear panel. Do not allow the rear panel of the radio to contact surface of a plastic object.
- Do not let the radio placed in direct sunlight for a long time or place it near a heating source.
- Do not place the radio in a extremely dusty, moist or splash place, or on a unstable surface.
- If unusual odor or smoke is found, power the radio off. Then contact your local BelFone dealer.
- In no circumstances can the product be modified without authorization. The company is not liable for any adverse consequence resulting from unauthorized modification.

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Accessories

Please unpack carefully and check that all items listed below are received. If any item is missing or damaged, please contact your dealer.

Antenna



Strap



Belt Clip



Battery



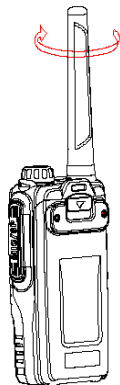
Charger



Getting Start

Attaching the Antenna

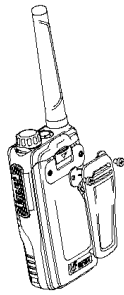
Turn the antenna clockwise to fasten it.



To remove the antenna, rotate it counter-clockwise.

Attaching the Belt Clip

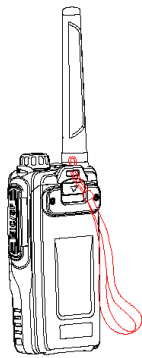
Use screws to tighten Belt Clip with the radio.



To remove the belt clip, loosen the screws.

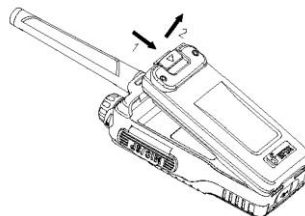
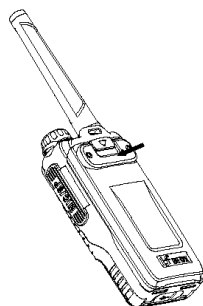
Attaching the Strap

Fasten Strap on the radio.



Attaching the Battery

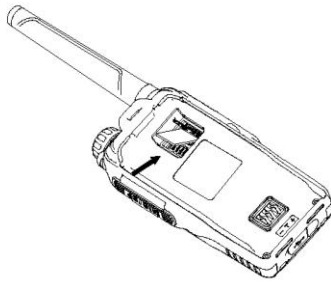
1. Insert the battery into bottom of the radio.
2. Slightly press the top of the battery until a clip is heard.



To remove the battery the battery, turn off the radio first. Slide the battery latch downwards to unlock the battery.

Installing SIM card

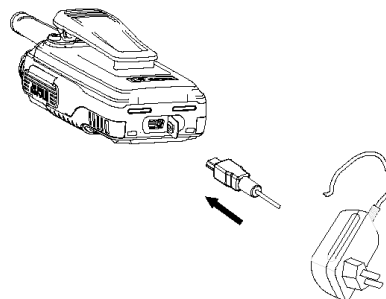
1. Push the battery release button, Remove the battery from the radio.
2. Gently slide the SIM card cover and open it.
3. Put SIM card into the slot, and the golden contact area on the card is downward.
4. Close the SIM card cover and slide it back.



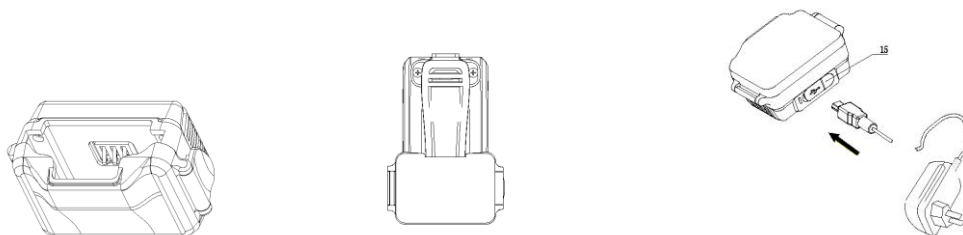
Charging the battery

Use only the charger and battery specified by BelFone.

1. Connect the charger to radio's Mini USB interface
2. Plug the charger to AC source.
3. The charging process initiates when charger LED glows yellow, and is complete when LED glows green.

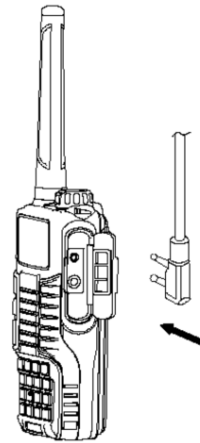


Other Charger to choose:

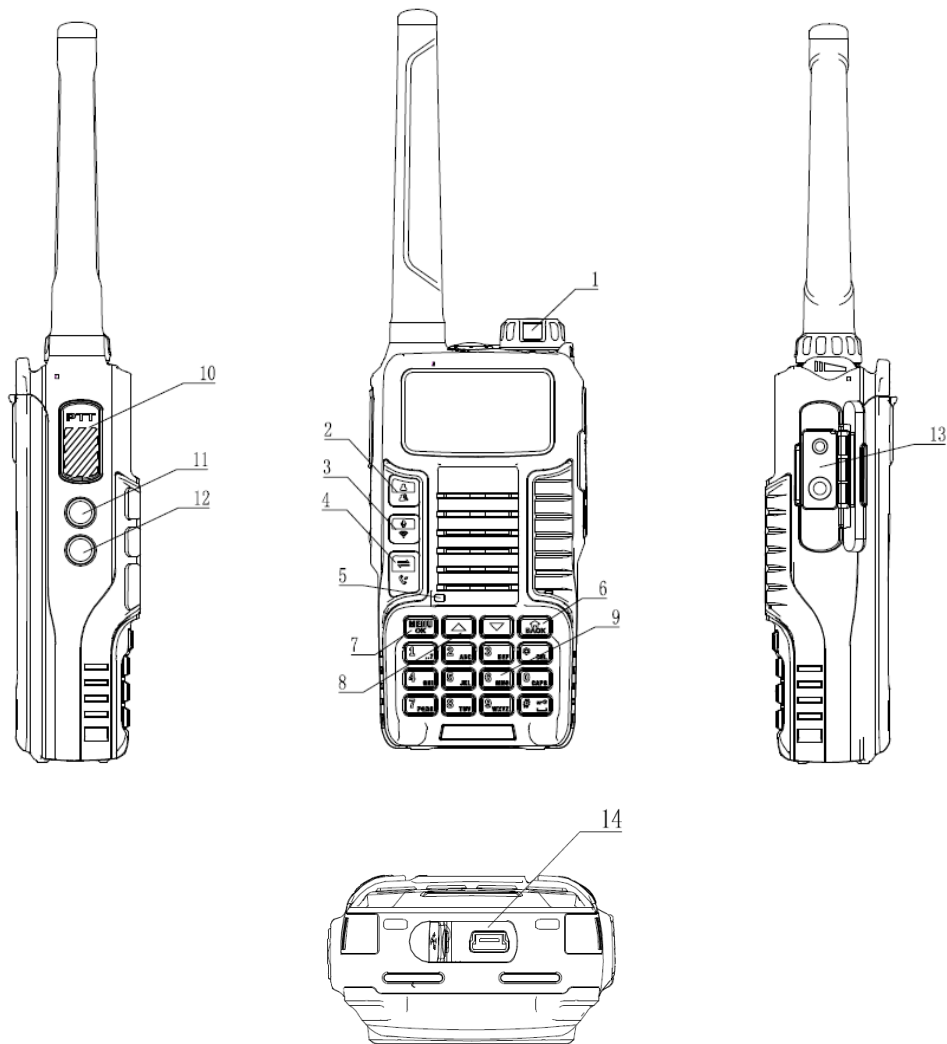


Attaching Earphone accessory

1. Open the accessory jack cover.
2. Plug earphone to the accessory jack.



Control Buttons



Warning: The screen should be face up while operating device.

1. Power On/Off & Volume
2. Contacts
Short Press: Individual Contacts

Long Press: Group Contacts

3. WI-FI Switch/Voice Recording Download

Short Press: WI-FI On/Off

Long Press: Voice Recording Download & play

Wi-Fi support WEP & WPA2 encryption types.

WLAN Network

The WLAN feature provides Internet access over WLAN network.

To connect to a WLAN network, do as follows:

1. Preset WI-FI name and password by programming software.

The screenshot shows a 'Wireless' settings window with three main sections: 'WIFI Settings', 'Hotspot Settings', and 'SIM PIN Settings'.

WIFI Settings: Includes a checkbox for 'Enable WIFI' which is checked. Below it is a table with 5 rows for configuring WiFi networks.

	SSID	Encryption Type	Name	Password
1	Office	WPA2		12345678
2		WPA2		
3		WPA2		
4				
5				

Hotspot Settings: Includes a checkbox for 'Hotspot Enable' which is unchecked, and a text field for 'Password(8 characters)'.

SIM PIN Settings: Includes a warning icon, a checkbox for 'Enable SIM Card Lock' which is unchecked, and two text fields for 'Enter Four Digits PIN' and 'Confirm PIN'. Below these is a 'Warning:' section with text: 'If the SIM card has been setted PIN through a certain way (such as smart terminals or mobile phones,etc), please enable 'SIM card lock' and enter correct PIN in above text boxes. Incorrent PIN will cause SIM card to be locked.'

2. Check whether WLAN is on. If yes, wait for it to connect Wi-Fi. If no, press Wi-Fi switch button to turn it on. When WLAN is turned on, the radio automatically scans for available networks and displays them.

4. Simplex /Duplex Mode

Short Press: Simplex mode (Individual Call Mode)

Long Press: Duplex Mode

5. LED Indicator























* Orange LED is always on when radio turns on

- * Orange LED flashes up after registering to network
- * Red LED flashes up: SIM card is not activated or in arrearage. Radio can't register to network.
- * Red LED always on:
 1. No SIM card or wrong installation. Voice prompts *SIM card read unsuccessfully*.
 2. The radio hasn't been added to the server.
 3. The radio has been added to the server, but Group switch don't work.
 4. PIN of SIM card is wrong. Voice prompts *Wrong PIN*.
- * Green LED slowly flashes: Register successfully, Radio is in Group Call standby state
- * Green LED always on: Radios is calling or downloading/playing Call Logs.
- * Yellow LED always on: Radio is in Individual Call standby state.
- 6. Back
- 7. Menu/OK
- 8. Up & Down
- 9. Numbers , * , # buttons
- 10. Push-to-Talk
- 11. Programmable button 1:

There are 4 functions can be set to the button.

 - a) Voice prompts radio name
 - b) Voice prompts current Group name
 - c) Voice Recording Download
 - d) Voice prompts battery level
- 12. Programmable button 2: Functions are same to Programmable button 1.
- 13. Earphone jack
- 14. Mini USB interface

LCD icons Guide

 Signal Strength	 Individual Call	 3G/E 3G/EDGE mode
 SIM card Mode	 Group Call	 Calling
 GPS On	 All Call	 Call Logs
 Dispatcher Call	 Dispatcher Notice	 Call List
 Receiving	 Duplex Call	 Keypad Locked
 Wi-Fi Signal Strength	 Settings	 Individual Call offline
 Battery Level	 Charging	 Individual Call online
		

Basic Operations

Turning the Radio On/Off

Rotate the Radio On-Off/Volume Control knob clockwise/counter-clockwise until a click is heard to turn the radio on/off.

Adjusting the Volume

After turning the radio on, rotate the Radio On-Off/Volume Control knob clockwise to increase the volume, or counter-clockwise to decrease the volume.

Locking/Unlocking the keypad

To prevent wrong operation, the keypad will automatically lock or lock by # key when the keypad is not used.

In the main interface, long press # key for a few seconds to lock/unlock the keypad.

Call

To transmit, please hold the radio approximately 3 to 4 centimeters away from your mouth.

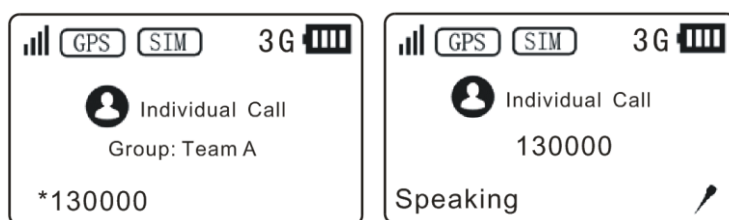
Individual Call

Transmitting a Individual Call

There are two ways:

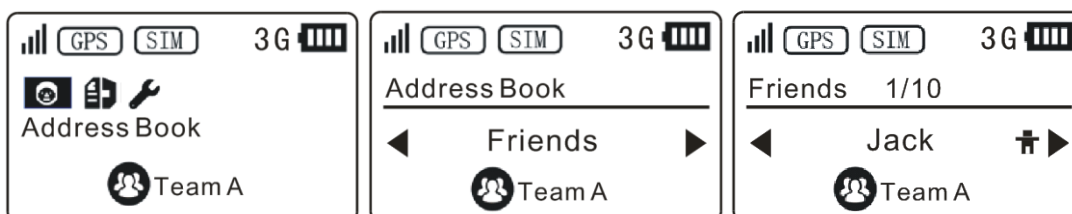
1. Manual Dial

In standby mode, Press * key , input Individual Call number, then press PTT to talk.

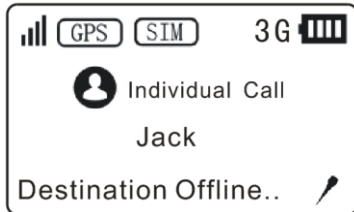


2. Address Book

In standby mode, Press Menu key, enter Address Book >> Friends. Select the preset number from the Address Book, then press PTT to talk.

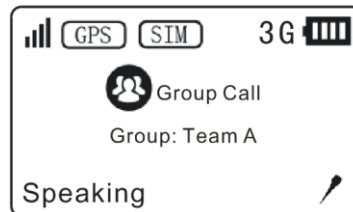
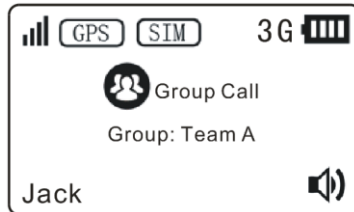


If the Individual Call target is offline, it prompts *Destination Offline*.



Receiving and Responding to a Individual Call

Receiving an Individual Call don't need any operations, and Press PTT key within the preset time period to respond it.

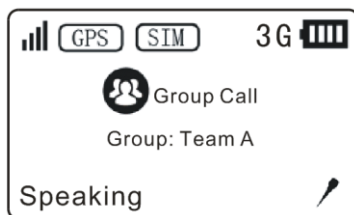


Group Call

Transmitting a Group Call

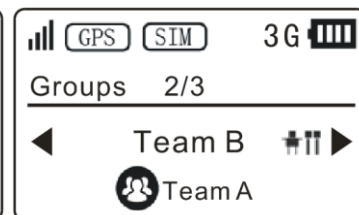
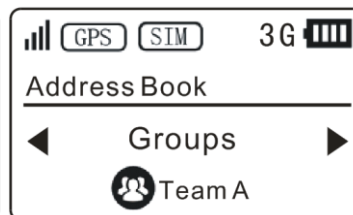
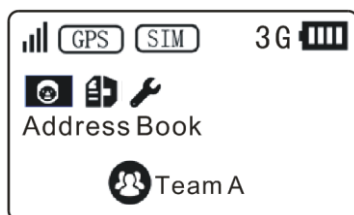
There are two ways:

1. The default call is Group Call, Press PTT to make a Group Call.



2. Contact List

In standby mode, Press Menu key, enter Address Book >> Groups. Select a Group from the Group list, then press PTT to talk.



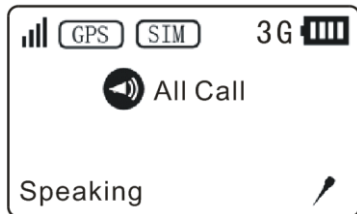
Receiving and Responding to a Group Call

Receiving a Group Call don't need any operation, and Press PTT key within the preset time period to respond it.

All Call

Transmitting a All Call

1. If the default call is All Call, Press PTT to make a All Call.
2. In standby mode, Press Menu key, enter Address Book, select All Call, then press PTT to talk.



Receiving an All Call

Receiving an All Call without any operation.

All Call is the highest priority, it can interrupt Group Call, Private Call, Duplex Call that makes it possible to interrupt lower priority communication so critical instructions can be delivered exactly when they're needed.

Note: The transmitting time limit is 30 seconds. If it time out, the call will automatically end.

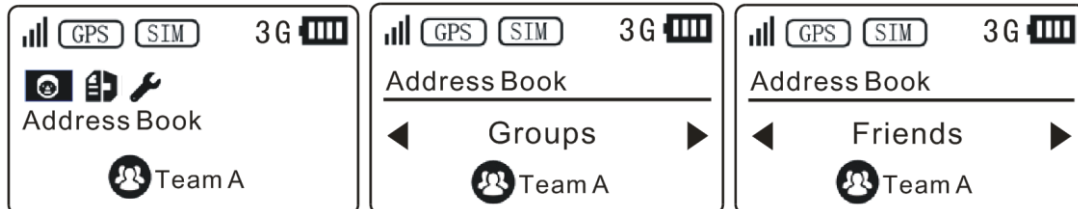
Functions and Operations

Address Book

Click *Menu >>Address Book*

The contact list is preset on the server. It includes Group Call, Individual Call, All Call.

Select a contact then Press PTT to make a call.

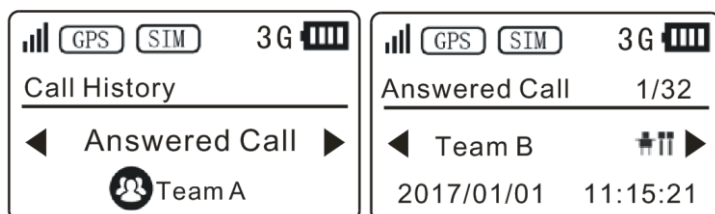


Call History

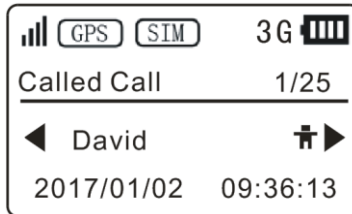
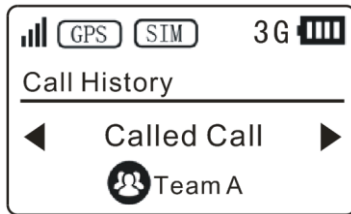
Click *Menu >>Call History*

This is to check the call history, It includes the contact name, time.

1. Answered Calls



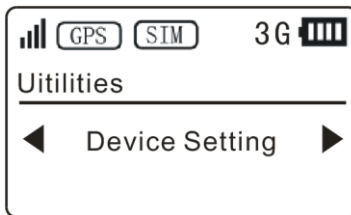
2. Called Calls



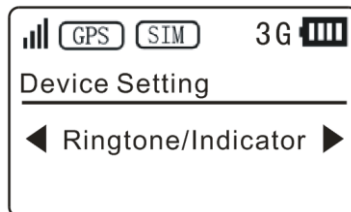
Utilities

Click *Menu >>Utilities*

1. Device Setting

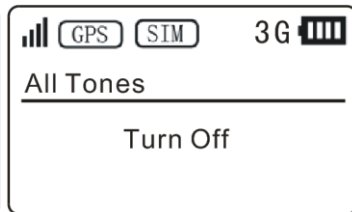
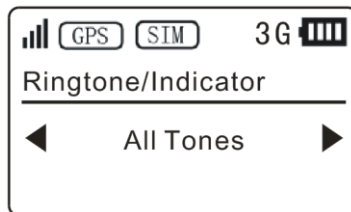


•Ringtone/Indicator

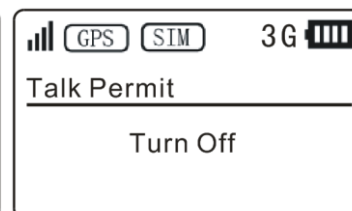
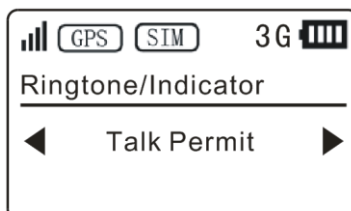


Click Menu/OK key to turn on/off.

All Tones: If it turns on, all operations on radio will have prompt voice, and if it turns off, all prompt voices are off except PTT.



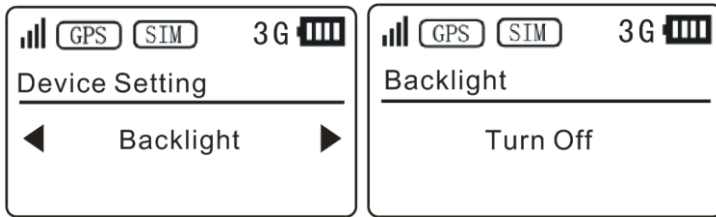
Talk Permit: If it turns on, the receiving radio will have a prompt voice after the transmitting radio release PTT. If it turns off, no prompt voice.



- Backlight

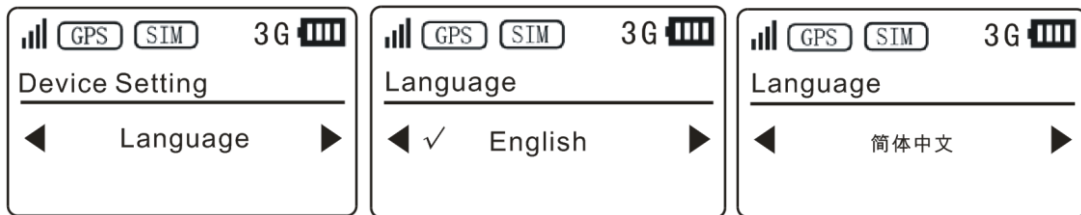
To turn on/off the LCD backlight.

Click Menu/OK key to turn on/off.



- Language

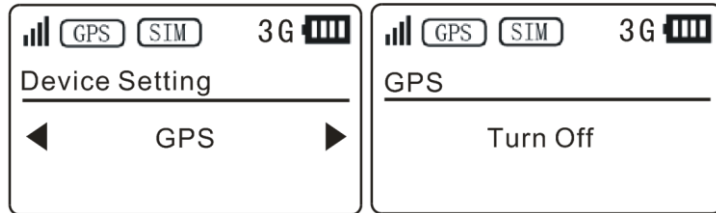
Two optional Languages: Chinese, English



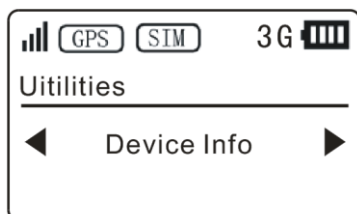
- GPS

To turn on/off the GPS.

Click Menu/OK key to turn on/off.



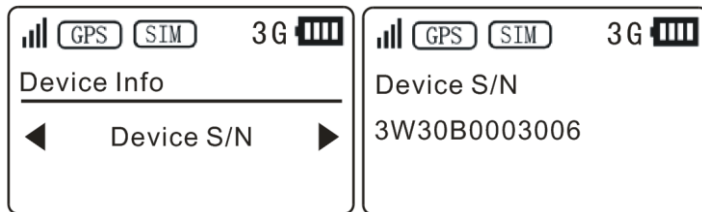
2. Device Info



- Device S/N

Check the Device S/N.

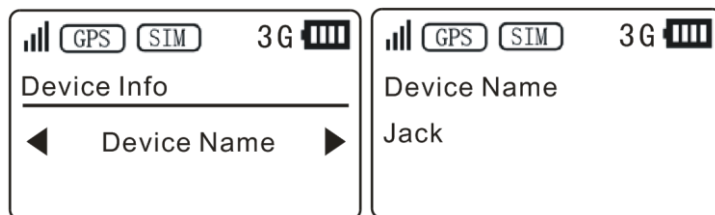
Server identifies different devices only by Device S/N.



- Device Name

Check the Device Name.

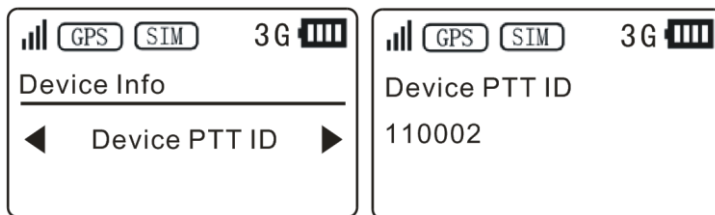
Device Name will display on LCD of the receiving device.



- Device PTT ID

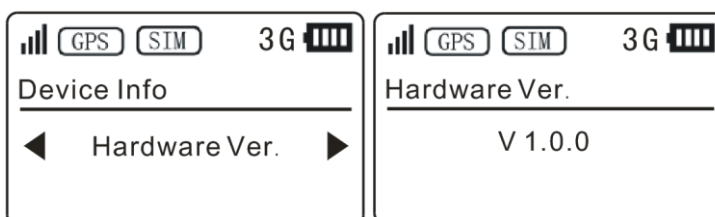
Check the PTT ID.

Note:Each device's PTT ID is unique. If two devices have the same PTT ID, then them don't work.



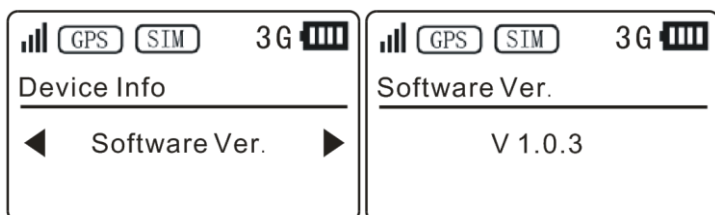
- Hardware ver.

Check the hardware version.



- Software ver.

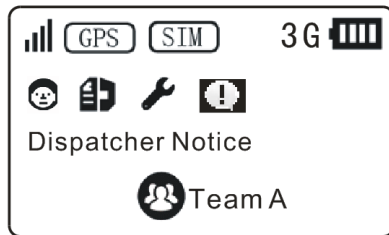
Check the software version.



Dispatcher Notice

Click Menu >> Dispatcher Notice

The device will receive text notice from Dispatcher and automatically play it by voice (Text to speech).



Statement

This manual is deemed to be compiled to be accurate and complete. For any doubt, please contact us. We will give you professional answers. As radio communication technologies develop rapidly, BelFone reserves the right to change product design and specification without prior notice.

FCC Caution:

Any Changes or modifications not expressly approved by the party responsible for compliance could void

the user's authority to operate the equipment. 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.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates 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

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.

Note: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Specific Absorption Rate (SAR) information

SAR tests are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. Before a new device is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC, tests for each device are performed in positions and locations as required by the FCC. For body worn operation, this device has been tested and meets the FCC RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal.

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.

Keep the radio unit at least 2.5 cm away from the face. Keeping the radio at the proper distance is important as RF exposure decreases with distance from the antenna. The antenna should be kept away from the face and eyes.