Inrico
Innovation Rich Communications

SMART PoC RADIO

T640A

USER MANUEL

Please read this instruction book carefully before using.

www.inricosolutions.com

Disclaimer

This guide is for reference only and the information in this document is carefully examined, and is believed to be entirely reliable. However, no responsibility is assumed for inaccuracies. Furthermore, the provider reserves the right to make changes to any products herein to improve readability, function, or design. The provider does not assume any liability arising out of the applications or use of any product or circuit described herein; nor does it cover any license under its patent rights, nor the rights of others.

Contents

Unpacking and Device Checking

Please unbox and take out the device and all accessories carefully, and ensure all lists have been gotten before discarding the cardboard box. If any items are lost or damaged in transit, please contact with our distributors.

Items	Number
PoC Radio	1
Lithium Battery	1
Power Adaptor	1
USB Charging Cable	1
Belt Clip	1
Belt Clip Mounting Screws	2
Antenna	1
User Manual	1
Hand Strip	1

Handling Precautions

Please read the following precautions carefully. It is very important for device users to gain general knowledge and risks.

1. Radio Regulations

The place of civilization provisions that has prohibited the use of wireless devices, don't use the device, otherwise it will lead to interference from other electronic devices or other hazards.

2. Operating Environment Requirement

- Do not use the device or charging the battery in any hazardous areas such as gas, dust, steam, explosive chemical agents, etc.
- Avoid excessive exposure to the extreme dusty, damp and splashing place, or leave it on unstable surface.
- Don't use this device in a thunderstorm in case of equipment malfunction or shock.
- Avoid prolonged time in the sun or placing it near heating appliance like electric heaters, microwave, oven, water heater, fire, candles, etc.
- Please turn off the device while refueling or parking at the gas station.

3. Accessories Requirement

- Do not disassemble your device. Changes or modifications made to this device, not expressly approved by suppliers, could void the user's authority to operate this equipment.
- Reparation by professional technicians, do not disassemble by yourself.
- Manufacturer-approved device and accessories only.

4. Charging Security

- **Do not overcharge the battery**

Please stop charging if it can't be fully charged within required time. The battery probably overheats, smokes, bursts or suddenly be on fire due to abnormal charging process. When fully charged or not charged, please disconnect the charger and unplug it from the power outlet.

- **Please use authorized power adaptor**

To comply with warranty terms and avoid damages, charge the battery using a specified charger for best performance.

- **Do not use abnormal battery**

If the battery is with odd smelly, discolored, deformed, etc., please stop charging or disassemble from the device immediately.

- **Do not discard battery in a fire, microwave or high pressure container.**

The battery probably overheats, smokes, bursts or suddenly be on fire.

5. Battery Care

(1) Fully Charge Battery Before Initial Use

- Do preserve battery life by switching off a device and removing the batteries when it's not being used, and is not expected to be used for extended periods of time.
- Do practice proper battery storage by keeping batteries in a cool, dry place at normal room temperature.

(2) Properly Store Batteries

- Remove the battery from the device.
- Charge and discharge the battery to 40%-65% if it will not be used for 10 days or more. This can greatly extend the battery life.
- The battery should drop below 65% when it is idle for more than 10 days to prevent it from swelling.
- Store the battery in cool and dry environment that's less than 25℃.

(3) Features of Lithium Battery

- Battery capacity will reduce after multiple charging cycles.
- The battery capacity drops gradually even without being used.
- Longer charging time is required in shady place.
- Charging and storing Lithium battery in warm condition will short its lifespan. Please do not leave them inside the vehicle or near the heater.
- If the battery working time has reduced significantly, please replace the battery immediately in avoidance of fluid leakage.
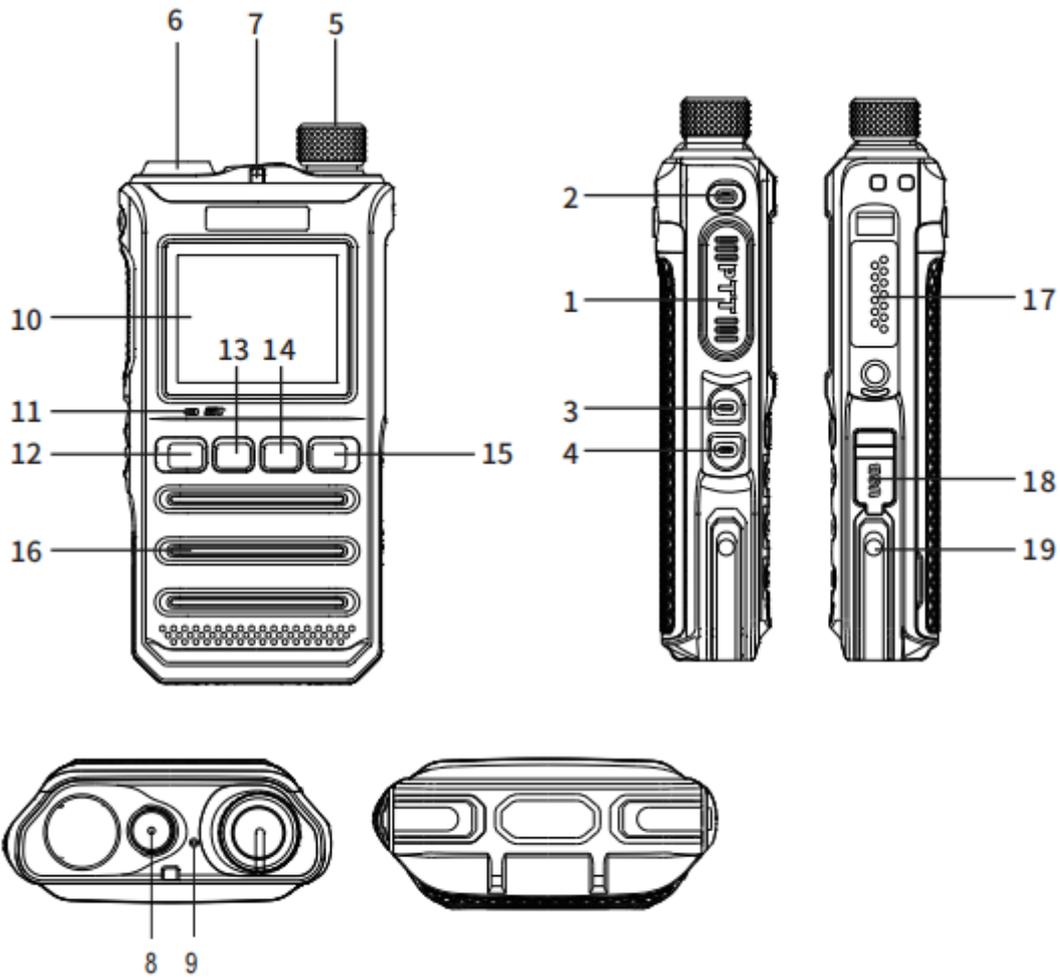
(4) Lithium Battery Charging

- Connect the device with an AC adapter, power on, the LED turns to red.
- The LED shows green of fully charged.
- The LED is off under high operating temperature, poor contact, or battery damage.

6. Clean and Maintenance

- Before cleaning and maintaining the device: please stop running, turn off the device, and disconnect all connections with other equipment.
- When you do not use the radio, please cover the accessories connector.
- When cleaning the dust, please use soft brush and neutral detergent (no strong corrosive chemicals) to wipe it.
- Please keep the equipment and accessories dry.
- Please do not use the microwave oven or hair dryer or other heating devices for dry them.

Product Overview

1	PTT	11	Main MIC
2	Programmable Button F1	12	OK Button
3	Programmable Button F2	13	Page Up Button
4	Programmable Button F3	14	Page Down Button
5	Power/ Volume Knob	15	Return/ Exit Button
6	Flashlight	16	Speaker
7	Indicator	17	M6 Port
8	SOS	18	USB Port
9	Auxiliary MIC	19	Desktop Charger Port
10	LCD Display		

Basic Functions

1	PTT Button	Press the PTT button to call and release it to listen.
2	Power/Volume Knob	● Long press 3S to power on or off. ● Short press to turn the screen on or off when power is on. ● Turn the knob left to increase the volume and right to decrease.
3	SOS Button	● Long press for 3S to initiate SOS alarm and press PTT to cancel. ● Short press to the main system settings interface.
4	Programmable Button F1	● Short press: broadcast current group. ● Long press: turn on/off the flashlight.
5	Programmable Button F2	● Short press: voice playback ● Long press: broadcast current power volume
6	Programmable Button F3	● Short press: quick setting(Address Book, Group, Call Record, APP settings, etc.) ● Long press: broadcast the account validity.
7	OK Button	● Short press to confirm ● Long press to turn on or off the key lock
8	Page Up Button	Menu page up
9	Page Down Button	Menu page down
10	Return/ Exit Button	Return to the previous function list

1. Powering Up and Powering Off the Radio
- Power On: Long press the power knob for 3 seconds and the program will start.
- Power Off: Long press the power knob for 3 seconds.

2. User Log-in
After the user log in successfully, user information will be broadcast.

3. Initiate a Call
- Press PTT button and start to talk.
- The LED light is blinking green after loading the APP.
- The LED light is solid red during transmitting.
- The LED light is solid green during receiving.
- If occupied when other person is talking, the PTT button is invalid.
- The call ends automatically once it lasts more than 60 seconds, which could be set to 1-60 seconds by APP.

4. Voice Playback

- Short press the F2 button to playback cyclically the latest 10 voice records.
- Press the PTT button, return automatically to the last voice record.
- Long press the F2 button to broadcast current power consumption.
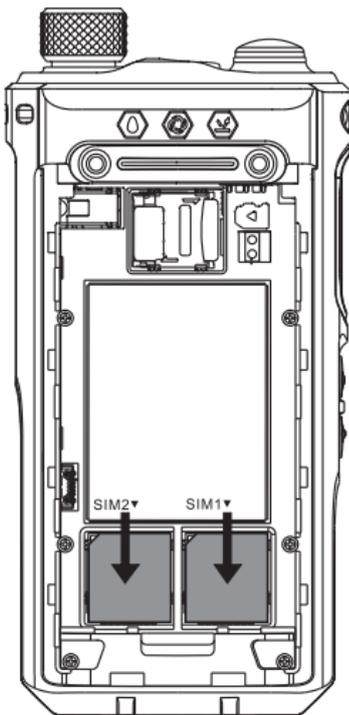
5. Current Group

Short press the F1 button to broadcast the group that the user in. No voice will prompt while calling.
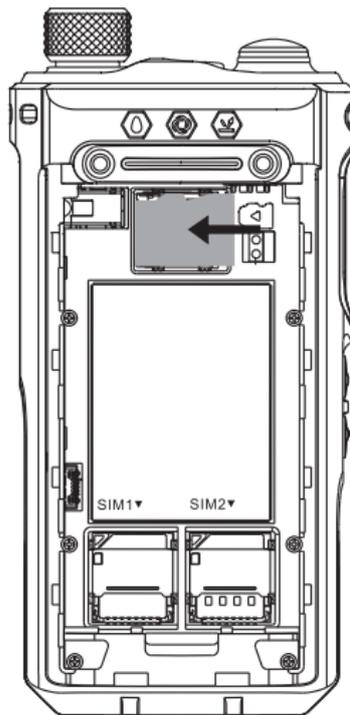
6. NFC Function(optional)

NFC function is unavailable when the system is not running. In standby mode, please wake up the system firstly to enable this function.

Accessories Installation
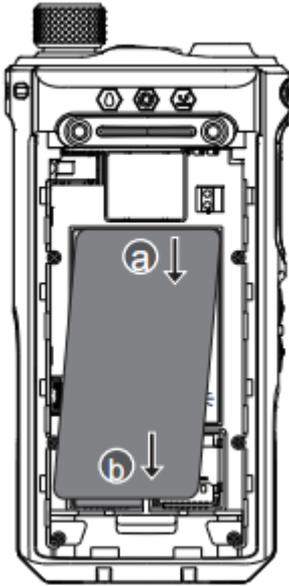
1. Insert SIM Card   2.Insert SD card

3. Attaching the Battery

- Align the electrical contact of the battery with the bottom rails.
- Press the battery firmly, make sure the electrical connection touch with the bottom.
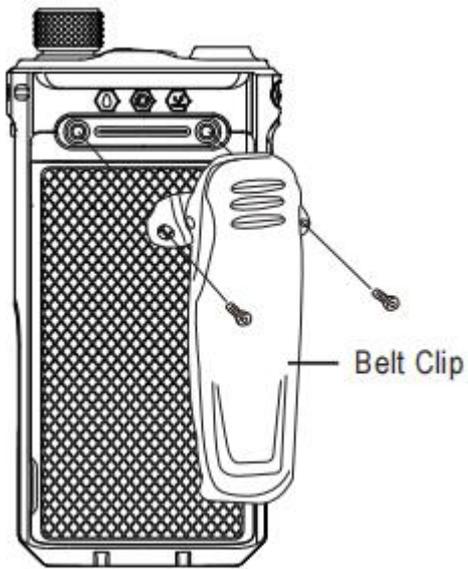
4. **Attaching/ Removing the Battery Cover**

- Push the battery cover until it clicks into place.
- Push the battery cover down.
- Open the battery cover: Unlock the battery buckle, pull up battery cover.
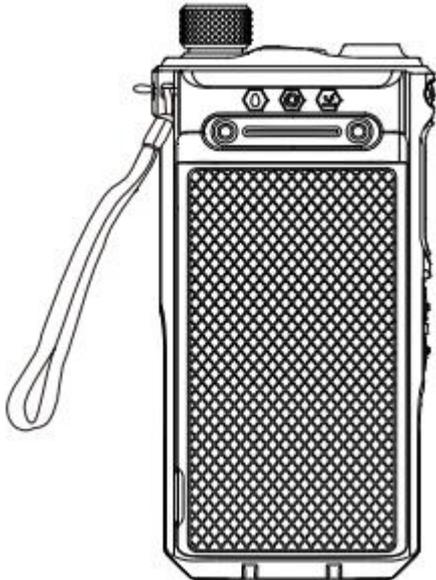

5. Attaching/ Removing the Belt Clip

- Align the belt clip with the back screw hole, rotate crews and tighten it.
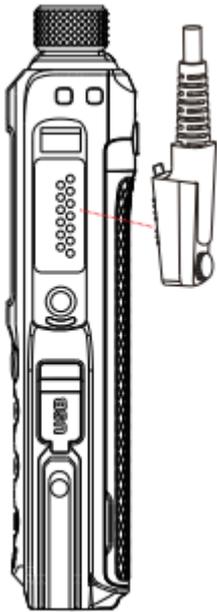- Uninstall the belt clip by rotating screw until loose.

Belt Clip

6. Install Hand Strip

7. Attaching the Headset
Open the cover and plug the headset into the jack.

Status Indicators

LED Indicator	Working Status	Remark
Blinking Red	Low power(less than 15%)	Flash 2S/time
Blinking Green	Standby	Flash 5S/time
	Searching network	Flash 1S/time
Solid Red	The device is transmitting.	
	The device is charging.	
	The device is powering off.	
Solid Green	The device is receiving.	
	The device is powering on.	
	Fully charged	

Basic Troubleshooting

If your device shows following problem during operating, please check the instruction as below. If problems can't be solved, please contact local authorized service.

Problems	Solutions
Unable to Power On	The battery maybe incorrectly installed. - Re-attaching the battery.

	The battery maybe out of power. - Charge or replace the battery.
	The battery may be in poor contact due to dirty or damage. - Clean the electrical contact or replace it.
Terminal Crash	Too much APPS on processing. - Force some programs to quit or restart the terminal.
Buttons Not Working	The buttons may not work temporarily, restart the terminal.
	The buttons is broken, contact the dealer or our company.
White Screen Error	Display screen may not work temporarily, restart the device.
	The display screen is damaged, contact the dealer or our company.
Echo or Noise During Connecting	The signal may be weak, make sure the terminal is within network coverage. - Restart the device and it'll automatically search for better available network.
	The speaker may be covered, clean the speaker surface.
Unable to Locate	The signal is weak and the device can't receive the signal. - Move to open and flat area and try again.
Unable to Detect SIM Card	The SIM card may be incorrectly installed. - Remove and re-insert the SIM card.
	The SIM card may be not working due to dirt or damage. - Clean the electrical contact or replace it.
Poor Reception	Localized poor coverage due to basement, blocking buildings or destructive interference, and geographical distance from obstacles between your device and the nearest cell tower. - Please move to somewhere with improved signal.
	Localized network is busy during rush hours. - Please wait for a while before another attempt or try to avoid using in rush hours.
Unable to Charge	The power adapter plug may be damaged or poor contacting. - Pull out and re-plug the adapter.
	The charging cable connectors may be damaged or poor contact. - Pull out and re-insert the cable.
Less Duration	The duration mostly depends on network service provider settings.
Shorter Standby Time	The battery life becomes shorter in high temperature environment. - Replace a new qualified battery.
	Power consumption increased in areas with weak signal. - Please temporarily turn off the device.
Can't Connect to Network	The SIM card cannot work properly or cannot be used. - Make sure the SIM card has a balance instead of arrears.
	The mobile network not available. - Select SIM card network, and contact the operator to activate the cellular network.
	In areas with poor signal, out of network service, or SIM card is not effective. - Remove the SIM cards, and reinsert them properly, or change another one. Move to somewhere with better network signal or go to the window if you are in the building.

Specification

OS	Android 7.1	
Frequency	**EU version**	GSM: B2/B3/B5/B8
		WCDMA: B1/B2/B5/B8
		FDD-LTE: B1/B3/B7/B20/B28A/B28B
		TDD-LTE: B38/B40/B41(120M)
	US version	GSM: B2/B3/B5/B8
		WCDMA: B1/B2/B4/B5
		FDD-LTE: B1/B2/B4/B5/B7/B12/B13/B17/B28A /B28B
Network Support	WIFI, BT, GPS	
CPU	MT6739	
Memory	512MB(RAM)+ 4GB(ROM)	
Working Voltage	3.8V	
Display	1.77 inch	
Battery	4000 mAh	
Dimension (H*W*D)	127*63*27mm (Without Antenna & Belt clip)	
Weight	≈210g	
Working Temperature	-5°C ~ 55°C	
Storage Temperature	-20°C ~ 70°C	