

## Rugged PTTtoC Radio



# S380

# USER GUIDE

Please read this instruction book carefully before using and keep this with care.

[www.inricosolutions.com](http://www.inricosolutions.com)

## ***Notes Before Using***

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

- Do not use the device or charging the battery in any hazardous areas such as gas, dust, steam, etc.
- Please turn off the device while refueling or parking at the gas station.
- Do not disassemble your radio.
- Avoid prolonged time in the sun or placing it near heating appliance.
- Avoid excessive exposure to the extreme dusty, damp and splashing place, or leave it on unstable surface.
- Reparation by professional technicians, do not disassemble by yourself.

## ***Disclaimer***

Inrico reserves the right to modify product design and specifications. Inrico assumes no responsibility in the event of printing errors. All specifications are subject to change without notice.

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## ***Unpacking and Device Checking***

Please unpack 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.

### ***Accessories***

Items	Number
Rugged PTTToC Radio	1
Lithium Battery	1
Power Adaptor	1
USB Charging Cable	1
Belt Clip	1
Hand Strip	1
QR Code Manual	1

## ***Handling Precautions***

- 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.

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

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

- Do not expose damaged battery near any fire. If the battery is broken, leaking or has an abnormal odor, please remove it from flammable areas immediately. The fluid in the battery is flammable, which may cause smoke and fire.

- Do not use abnormal battery

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

- Please use authorized power adaptor

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

## ***Battery Care***

### **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.

### **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°C.

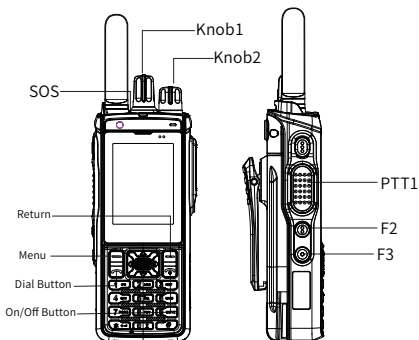
### **Features of Lithium Battery**

- 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.

## 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 to dry them.

# Product Overview



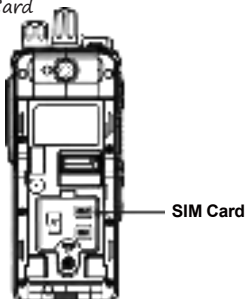
	Action	Function	Remark
PTT1	Long press	Push to PoC talk	The default is PoC; PoC receiving the light is solid green, and transmitting is solid red
F2	Short press	PoC mode switch	The default is PoC
	Long press	Dual transmitting mode switch	Dual transmitting mode is off by default
F3	Short press	Enter recording playback mode, short press F2 to next record; select the recording to play automatically	The most commonly used functions are short press to record the beginning and the end
	Long press	Report current working mode	support customization
Menu	Short press	Main interface: Quickly enter the PoC APP Other interface: Pop-up operation menu	
	Long press	Terminal upload	The system sends a broadcast notification to the APP, and the broadcast key value is determined; customization is supported
OK	Short press	Other interfaces: confirm button	
	Long press	Quickly launch the camera	The system sends a broadcast notification to the APP, and the broadcast key value is determined; customization is supported
Return	Short press	Main interface: Other interface: Return/Delete	
	Long press	Home button, return to the main interface	



	Action	Function	Remark
Dial Button	Short press	Non-POC APP: Enter operator call ; POC APP: Make full-duplex call ;	
	Long press	One-click video upload	Customizable
On/Off Button	Short press	Hang up the phone/Turn off screen, lock keyboard	
	Long press	Turn on and off , Support choosing to close PoC	
SOS	Long press	Initiate PoC , send PoC call	
Up	Short press	Move focus up	
Down	Short press	Move focus down	
Left	Short press	Move focus left	
Right	Short press	Move focus right	
Knob1	L-rotation	Switch to the previous PoC group	The knob is a stepless knob
	R-rotation	Switch to the next PoC group	
Knob2	L-rotation	Volume down	Volume interface display
	R-rotation	Volume up	
*Button	Long press	Touch screen disable switch	After the touch screen is disabled, the interface prompts
Navigation Button	Short press	Non-PoC APP: Enter the operator's phone dialing interface POC APP: Enter the POC dialing interface	
	Long press	Non-PoC APP: Quickly dial the set operator phone number	

## ***Accessories Installation***

### *1.Insert SIM Card*



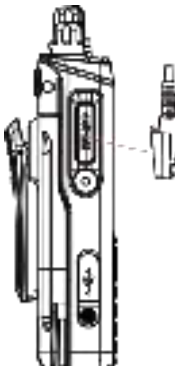
### *2.Attaching the Battery*

- (a) Align the electrical contact of the battery with the rails.
- (b) Press the battery firmly, make sure the electrical connection touch with the bottom.



### *3. Attaching Headset*

Open the cover from the top of device to show the headset sockets. Headset will work immediately after being plugged in.



### *4. Install Hand Strip*



## Basic Functions

### 1. Power on/off

- Power On: Long press the power button for 3 seconds and the program will start.
- Power Off: Long press the power button 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 solid red during transmitting.
- The LED light is solid green during receiving.
- If the current network is not online, the green light flashes quickly.
- If occupied when other person is talking, the PTT button is invalid.
- Once the call time exceeds 60 seconds automatically end the call.

### 4. Program

Use the programming tool, you need to enter the system settings, "Program" to start.

## Status Indicators

Working Status	Led Indicator	
	Color	Lasting Time
PoC Transmitting	Red	Solid Red
PoC Receiving	Green	Solid Green
Gateway Status	Green	Flash 1S/time
The network is normal	Green	Flash 5S/time
Login failed / no network status	Red	Flash 1S/time
The battery is low	Red	Flash 3S/time
Low Battery and No Network	Low battery priority is higher	

# Simple Troubleshooting

Problems	Solutions
Unable to Power On	<ul style="list-style-type: none"><li>• The battery may be incorrectly installed. Re-install the battery.</li><li>• The battery may be out of power. Charge or replace the battery.</li><li>• The battery may be in poor contact due to dirt or damage. Clean the electrical contact or replace it.</li></ul>
Terminal Crash	<ul style="list-style-type: none"><li>• Too many APPS on processing. Force some programs to quit or restart the terminal.</li></ul>
Buttons Not Working	<ul style="list-style-type: none"><li>• The buttons may not work temporarily, restart the terminal.</li><li>• The buttons are broken, contact the dealer or our company.</li></ul>
White Screen Error	<ul style="list-style-type: none"><li>• Display screen may not work temporarily, restart the device.</li><li>• The display screen is damaged, contact the dealer or our company.</li></ul>
Echo or Noise During Connecting	<ul style="list-style-type: none"><li>• The signal may be weak, make sure the terminal is within network coverage.</li><li>• The speaker may be covered, clean the speaker surface.</li></ul>
Unable to Detect SIM Card	<ul style="list-style-type: none"><li>• The SIM card may be incorrectly installed. Remove and re-insert the SIM card.</li><li>• The SIM card may be not working due to dirt or damage. Clean the electrical contact or replace it.</li></ul>
Unable to Locate	<ul style="list-style-type: none"><li>• The signal is weak and the radio can't receive the signal. Move to open and flat area and try again.</li></ul>
Unable to Charge	<ul style="list-style-type: none"><li>• The power adapter plug may be damaged or with poor contact. Pull out and re-plug the adapter.</li><li>• The charging cable connectors may be damaged or with poor contact. Pull out and re-insert the cable.</li></ul>
Shorter Standby Time	<ul style="list-style-type: none"><li>• The battery life becomes shorter in high temperature environment. Replace a new qualified battery.</li><li>• Power consumption increased in areas with weak signal. Please temporarily turn off the device.</li></ul>
Unable to Connect the Network	<ul style="list-style-type: none"><li>• SIM card cannot work properly or cannot be used. Make sure the SIM card have balance and not overdue.</li><li>• Mobile network is not enabled, switch on the SIM card network and contact the network operator to activate the cellular network.</li></ul>

# Specification

Operating System	Android 10
Frequency	BT: 2402-2480MHz BLE: 2402-2480MHz 2.4G Wi-Fi: 2412-2472MHz 5G Wi-Fi: 5150-5250MHz; 5250-5350MHz; 5470-5725MHz; 5725-5850MHz NFC: 13.56 MHz GSM 850/ PCS 1900 WCDMA Band 2/5 LTE Band 2/4/5/7/12/17/26/38/40/41/66 (For FCC) LTE Band 2/4/5/7/12/17/ 38/40/41/66 (For IC)
Support	GPS L1 C/A, BDS B1I, Galileo E1: 1559-1610 MHz
CPU	QM215
Memory	2GB+ 16GB(ROM)
Voltage	3.8V
Screen Size	2.4
Camera	Front: 5MP / Rear: 13MP, 107° Wide Angle
Battery	3.8V Removable Battery, 6200mAh
Dimension (H*W*D)	162.3*61*34.5mm (Without Antenna & Belt clip)
Weight	≈388g
Working Temperature	-0°C ~ 55°C
Storage Temperature	-40°C ~ 85°C

## *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.

## *IMPORTANT NOTE:*

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.



BE	BG	CZ	DK	DE	EE	IE	EL
ES	FR	HR	IT	CY	LV	LT	LU
HU	MT	NL	AT	PL	PT	PO	SI
SK	FI	SE	NO	IS	LI	CH	TR

In all EU member states, operation of 5150-5350 MHz is restricted to indoor use only.

5GHz band(W52, W53): Indoor use only/Bande 5 GHz  
(W52, W53): utilisation intérieure uniquement

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## ISED Warning

This product meets the applicable Innovation, Science, and Economic Development Canada technical specifications.

Le présent matériel est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.

This device complies with Innovation, Science, and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

*Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.*

*L'exploitation est autorisée aux deux conditions suivantes :*

- (1) l'appareil ne doit pas produire de brouillage, et*
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

### FCC RF Exposure Requirements:

For body-worn operation, this radio has been tested and meets the FCC RF exposure guidelines when used with accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. Use only the supplied antenna. Unauthorized antennas, modifications or attachments could damage the transmitter and may violate FCC regulations.

Hold the transmitter approximately 25 mm from your face and speak in a normal voice, with the antenna pointed up and away.

### ISED Radiation Exposure Statement

For body worn operation, this model device has been tested and meets the ISED RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that Contains no metal and that positions of the face up minimum distance is 25 mm.

Pour le corps, ce modèle d'appareil a été testé et adapté à la RF renforcée Lignes directrices relatives à l'exposition lorsqu'elles sont utilisées avec un accessoire pour ce produit ou lorsqu'elles sont utilisées avec celui-ci Un accessoire ne contenant pas de métal et dont la distance minimale de la face est de 25 mm.