

Inrico

Innovation Rich Communications

公网车台对讲机 PoC Mobile Radio



TM-7_{PLUS}

使用说明书 USER GUIDE

使用前请仔细阅读本说明书并小心保管

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

www.inricosolutions.com

使用前须知

请仔细阅读以下内容，使用者对使用本机的一般危险性的了解和认识非常重要。

- 请勿在易燃易爆环境如煤气，粉尘，蒸汽等情况下使用本机
- 在加油或停车于加油站时，请关闭本机。
- 请勿在任何情况下擅自改装或调整本机。
- 请勿让本机受到长时间阳光直射或放置于加热器具附近。
- 请勿将本机放在极度多尘，潮湿，水溅，以及不平稳的表面上。
- 请勿自行拆装，维修仅限专业技术人员。

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开箱和设备检查

请小心从包装箱中取出对讲机。我们建议您在废弃包装材料之前确认一下箱内是否有下表列出的物品。
若有任何物品在搬运中丢失或损坏，请与我们的经销商确认。

随机附件

名称	数量
车载台	1
车载电源线母头	1
手写笔	1
主天线	1
GPS天线	1
手咪	1
外支架	1
二维码说明书	1
固定螺丝包	1
手咪固定配件	1
十字螺丝刀	1

操作安全说明

操作电压

- 请在规定电压内(12V或者24V)使用。

易燃易爆区域

- 在加油站(维修站)或靠近易燃易爆物品化学剂等任何易燃易爆区域请勿使用设备，可能引起爆炸或起火。

操作环境

- 请勿在易燃易爆环境如煤气，粉尘，蒸汽等情况下使用本机。在加油或停车于加油站时，请关闭本机。
- 请勿将车载台长时间暴露在阳光直射下或放在加热装置附近。
- 请勿将本机放在极度多尘，潮湿，水溅，以及不平稳的表面上
- 请勿将设备靠近热源或裸露的火源如电暖器、微波炉、烤箱、热水器、炉火、蜡烛或者其他可能产生高温的地方。
- 请勿在雷雨天气使用本设备，雷雨天气可能导致设备故障或电击危险。
- 在操作车载台时，请勿触摸本机的金属表面。
- 请勿将车载台安装在人体皮肤能够接触底座的位置，高温可能导致皮肤灼伤。
- 请勿在驾驶时调整本车载台，以免危机自身和他人安全，必要时请先将车辆停妥。
- 请勿自行拆装，维修仅限专业技术人员。

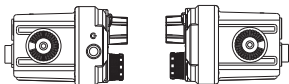
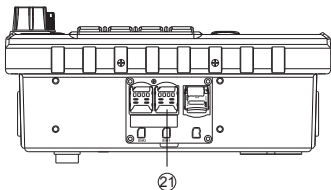
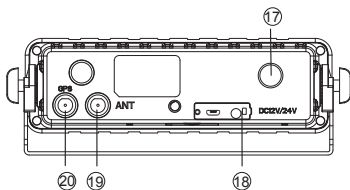
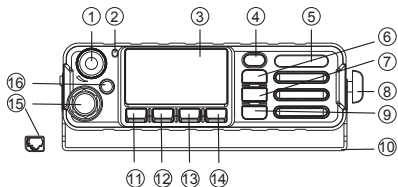
配件要求

- 勿使用未经认可或不兼容的电源，可能引发火灾、爆炸或其他危险。
- 只能使用设备制造商认可且与此型号设备配套的配件如果使用其他类型的配件，及引发意外损坏设备，违反本设备的保修条款。

维护和保养

- 清洁和维护本设备之前，先停止使用本设备，关闭电源，并断开与其他设备的所有连接。当车台不使用时请将附件插孔盖盖上。
- 清洁车台外观的灰尘时，请使用中性洗涤剂(不能使用强腐蚀性化学药剂)进行擦拭。
- 请保持设备及其配件干燥。请勿使用微波炉或吹风机等外部加热设备对其进行干燥处理。

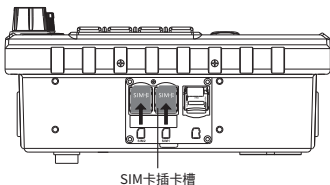
熟悉本机



①	音量旋钮	<ul style="list-style-type: none"> ●左右旋转调整音量 ●短按确定 (APP主界面默认短按进入切换群组模式, 旋转旋钮进行切换)
②	状态指示灯	
③	LCD 显示屏	
④	SOS 紧急呼叫按钮	
⑤	LOGO	
⑥	上翻	移动光标上翻
⑦	下翻	移动光标下翻
⑧	固定支架螺丝	
⑨	返回键	短按返回上一级菜单或界面, 长按返回主菜单
⑩	固定支架	
⑪	P1自定义按键	快捷功能定义或自定义功能
⑫	P2自定义按键	快捷功能定义或自定义功能
⑬	P3自定义按键	快捷功能定义或自定义功能
⑭	P4自定义按键	快捷功能定义或自定义功能
⑮	手咪接口	水晶头接口/航空头接口可选 (支持升级、写频和数据传输)
⑯	电源键	<ul style="list-style-type: none"> ●短按: 亮屏/息屏 ●长按: 关机/重启
⑰	DC 电源接口	
⑱	外接音响接口/USB(OTG)接口	
⑲	天线接口	
⑳	GPS 天线接口	
㉑	SIM 卡卡槽	

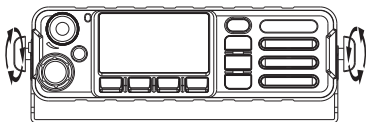
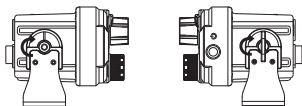
配件安装

1. 插入SIM卡, 盖上SIM卡盖并锁紧螺丝。



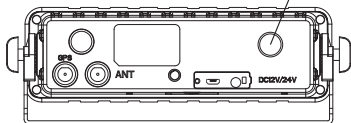
2. 固定支架

顺时针旋转，直到旋紧为止，注意不要压到天线。

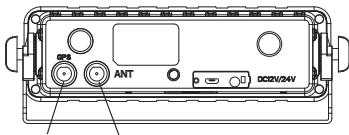


3. 插入DC电源

DC电源接口

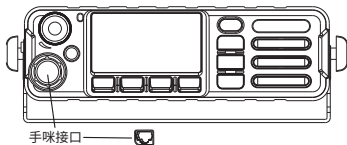


4. 插入GPS天线/主天线



GPS天线接口 主天线接口

5. 插入手咪接口



基本功能

开机/关机

确保电源插好。

- 1、通电自动开机
- 2、未断电，手动关机情况下，长按开关机键3秒,进行开机

信息

点击进入信息界面，将显示接收到的信息列表，可以进行编辑，发送，删除信息等操作。

系统设置

针对相关系统功能及状态进行设定和查看。

恢复出厂设置

在设置菜单中选择“备份和重置”可进行恢复出厂设置。

警告: 恢复出厂设置会将车台重设为其初始出厂状态，即清除系统、应用程序数据及设置，还包括下载的应用程序。

数据线连接

数据线连接时需要关闭系统设置中“数据线/USB摄像头”开关，USB摄像、手咪与数据线功能同一时间仅能二选一

指示灯状态说明

说明：指示灯状态主要根据APP需求进行自定义，下述为中瑞科对讲APP默认指示灯状态。

序号	工作状态	LED指示灯	
		颜色	持续时长
1	呼叫状态 (对讲)	红色	常亮
2	接听 (对讲)	绿色	常亮
3	SOS启动	红色	常亮

界面操作

1.输入平台账号和密码

用户根据平台配置平台服务器IP地址，点击登录进入对讲界面。



2. 对讲

① 进入对讲平台，选择联系人或群组，按住手咪PTT键开始对讲。

对讲发送红灯亮



② 松开PTT键结束通话



③ 接收对话

接收绿灯亮



3. 对讲音量

可通过音量旋钮调节声音大小



4.当遇到紧急情况按SOS键2秒，自动进行紧急呼叫(通过APP定义)



5.P1/P2/P3/P4 为自定义按键，可根据需求对按键功能进行自定义。



6.退出对讲平台：按返回键回到主界面。



简单故障排除

现象	解决方案
终端死机	<ul style="list-style-type: none">● 程序运行过多, 强制停止一些正在运行的应用程序或重新启动终端。
按键无反应	<ul style="list-style-type: none">● 按键可能暂时无法正常工作, 重新启动终端。● 按键坏了, 请与经销商或本公司客服联系。
显示屏白屏	<ul style="list-style-type: none">● 显示屏可能暂时无法正常工作, 重新启动终端。● 显示屏坏了, 请与经销商或本公司客服联系。
连接有回音或者噪音	<ul style="list-style-type: none">● 通信信号可能较弱, 确保终端在网络覆盖范围内。● 扬声器可能被挡住, 清洁扬声器表面。
无法检测到SIM卡	<ul style="list-style-type: none">● SIM卡可能安装不正确, 拆卸并重新安装SIM卡。● SIM卡可能金属触点脏或损坏, 清洁金属触点。
无法定位	<ul style="list-style-type: none">● 位置信号弱, 终端可能无法接收信号。移至开阔平坦的地方, 再试一次。
无法连接网络	<ul style="list-style-type: none">● SIM卡无法正常工作或无法使用, 确认SIM卡有无欠费。● 手机网络未启用, 打开SIM卡网络, 联系运营商启用蜂窝网络。

规格参数

操作系统		Android 11.0
频段	欧版	GSM: B2/B3/B5/B8
		WCDMA: B1/B2/B5/B8
		TD-SCMDA: B34/B39
		CDMA: CDMA2000 1X/EVDO BCO
		TDD-LTE: B38/B39/B40/B41
		FDD-LTE: B1/B3/B5/B7/B8/B20/B28A/B28B
	美版	GSM: B2/B3/B5
		WCDMA: B1/B2/B4/B5
		TD-SCMDA: B34/B39
		FDD-LTE: B2/B4/B5/B7/B12/B13/B17/B28A/B28B/B66
	TDD-LTE: B38/B40	
定位		GPS+BEIDOU+GLONASS+GALILEO
CPU		MTK6761
内存		2GB(RAM)+ 16GB(ROM)
工作电压		12-24V
屏幕尺寸		2.45" IPS, 240*432
尺寸 (高*宽*深)		188*58*87mm
重量		≈450g
工作温度		-20°C ~ 60°C
储存温度		-30°C ~ 70°C

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 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.
- Repairation 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
Mobile Radio	1
Power Cable	1
Touchscreen Pen	1
Main Antenna	1
GPS Antenna	1
Hand Microphone	1
External Bracket	1
QR Code Manual	1
Fixing Screw Pack	1
Hand Microphone Fixing Accessory	1
Screwdriver	1

Handling Precautions

Operating Voltage

Please use within the specified voltage range (12V-24V).

Flammable and Explosive Area

Do not operate the product in a location containing fuels, chemicals, explosive atmospheres and other flammable or explosive materials.

Operating Prohibitions

- Do not use the device in any hazardous areas such as gas, dust, steam, etc.
- Please turn off the device while refueling or parking at the gas station.
- 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.
- Do not place the device near heat sources or fire sources such as electric heaters, microwave ovens, ovens, water heaters, stoves, candles, or other places that may generate high temperatures.
- Do not use the device during thunderstorms, which may cause equipment failure or electric shock.
- Do not install the radio in a place where human skin can touch the base. High temperature may burn skins.
- When the product is working , do not touch its hot metal shell to avoid burn.
- Do not adjust the product during driving and pay attention to road conditions. Pull off the road and and park properly when necessary.
- Reparation by professional technicians, do not disassemble by yourself.

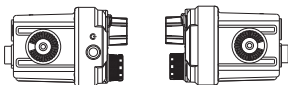
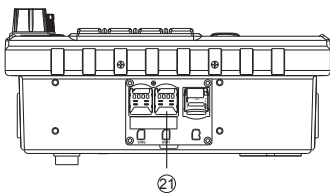
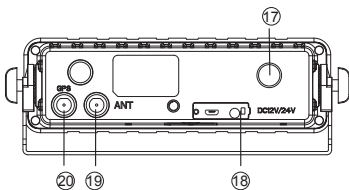
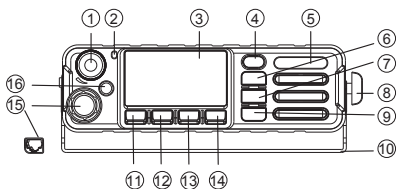
Accessories Requirement

- Do not use any unapproved, damaged accessories or incompatible power source, which may cause fire, explosion or other hazards.
- Please use approved accessories only. It will violate the warranty clause if using other unproved accessories and causing accidental damage.

Maintenance

- Before cleaning and maintaining the device: please stop running, turn off, and disconnect all connections with other equipment.
- When you do not use the mobile 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

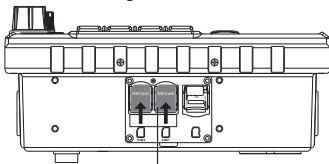


①	Volume Knob	Rotate the Volume Control Knob clockwise or counterclockwise, press to confirm. (By default, short press to switch to the APP main interface Group mode, rotate the knob to switch)
②	LED Indicator	
③	LCD Display	
④	SOS	
⑤	LOGO	
⑥	Scroll Up Button	Move up
⑦	Scroll Down Button	Move down
⑧	Bracket Fixed Screws	
⑨	Return Key	Short press to return to the main menu
⑩	Bracket	
⑪	P1 Programmable Button	Define shortcut keys or customize
⑫	P2 Programmable Button	Define shortcut keys or customize
⑬	P3 Programmable Button	Define shortcut keys or customize
⑭	P4 Programmable Button	Define shortcut keys or customize
⑮	Palm-MIC	RJ45/aviation connector interface optional. Support upgrade, programming, and data transmission
⑯	On/Off Button	Short press: bright screen/ rest screen. Long press: Shutdown/Restart.
⑰	DC Power Connector	
⑱	External speaker interface/ USB (OTG) interface	
⑲	Main Antenna Connector	
⑳	GPS Antenna Connector	
㉑	SIM Card Slot	

Accessories Installation

1.Insert SIM Card

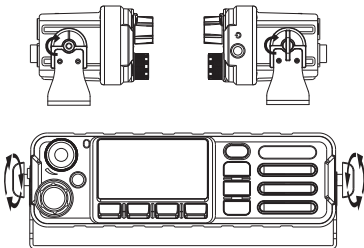
Insert SIM card to the the SIM card slot, close the cover and tighten the screws.



SIM Card lot

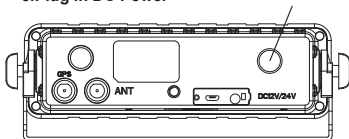
2.Attaching the Bracket

- Rotate clockwise and tighten it.
- Rotate counterclockwise to remove it.

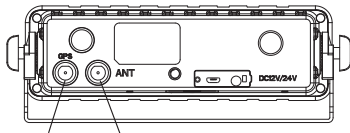


3.Plug in DC Power

DC Power Connector

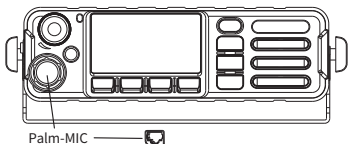


4.Attaching the Antennas



GPS Antenna
Connector Main Antenna
Connector

5.Attaching the Palm



Basic Functions

• Power on/off

Make sure the power is plugged in

- 1、 Power on automatically
- 2、 Without power off, manually shut down the case, and long press the on/off button for 3 seconds to turn on the machine.

• Message

Click to enter the information interface, which will display a list of received information. You can proceed with the edit, send, delete information, and other operations.

• Settings

Set and view related system functions and status.

• Reset

Select "Backup and reset" in the settings menu, and then select factory data reset.

WARNING: A factory reset will reset the device to its original factory state, wiping system and app data and settings, including downloaded apps.

• Cable Connection

When connecting the cable, you need to turn off the "Cable/USB Camera" switch in the system settings, and you can only choose one of the two at the same time for the USB camera, microphone, and cable function.

Status Indicators

The indicators could be customized according to the APP. The following is the default indicator status of Inrico APP.

Working Status	LED Indicator	
	Color	Lasting Time
Transmitting	Red	Solid Red
Receiving	Green	Solid Green
SOS Starts	Red	Solid Red

Operation Interface

1. Input Account and Password

The user configure IP address according to the platform server and then login.



2. Communication

- ① Select the contact or group, press PPT button of the palm-mic to talk.

Red light means sending



- ② Release PTT to end the call



- ③ Receive Message

Green light means receiving



3. Volume Adjustment

The volume can be adjusted through the volume knob.



4. Emergency Operation

Press SOS button for 2 seconds to alarm automatically.
(Defined via APP)



5. Programmable Buttons

P1/ P2/ P3/ P4 button can be defined shortcut keys or customize.



6.Exit

Press return button to exit and back to the main interface.



Simple Troubleshooting

Problems	Solutions
Terminal Crash	<ul style="list-style-type: none">• Too many APPS on processing. Force some programs to quit or restart the terminal.
Buttons Not Working	<ul style="list-style-type: none">• The buttons may not work temporarily, restart the terminal.• The buttons are broken, contact the dealer or our company.
White Screen Error	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• The signal may be weak, make sure the terminal is within network coverage.• The speaker may be covered, clean the speaker surface.
Unable to Detect SIM Card	<ul style="list-style-type: none">• 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.
Unable to Locate	<ul style="list-style-type: none">• The signal is weak and the radio can't receive the signal. Move to open and flat area and try again.
Unable to Connect the Network	<ul style="list-style-type: none">• SIM card cannot work properly or cannot be used. Make sure the SIM card have balance and not overdue.• Terminal network is not enabled, swift on the SIM card network and contact the network operator to activate the cellular network.

Specification

OS		Android 11.0
Frequency	EU Version	GSM: B2/B3/B5/B8
		WCDMA: B1/B2/B5/B8
		TD-SCMDA: B34/B39
		CDMA: CDMA2000 1X/EVDO BCO
		TDD-LTE: B38/B39/B40/B41
		FDD-LTE: B1/B3/B5/B7/B8/B20/B28A/B28B
	US Version	GSM: B2/B3/B5
		WCDMA: B1/B2/B4/B5
		TD-SCMDA: B34/B39
		FDD-LTE: B2/B4/B5/B7/B12/B13/B17/B28A/B28B/B66
TDD-LTE: B38/B40		
Support	GPS+BEIDOU+GLONASS+GALILEO	
CPU	MTK6761	
Memory	2GB(RAM)+ 16GB(ROM)	
Working Voltage	12-24V	
Display	2.45" IPS, 240*432	
Dimension(HxWxD)	188*58*87mm	
Weight	≈450g	
Working Temperature	-20°C ~ 60°C	
Storage Temperature	-30°C ~ 70°C	