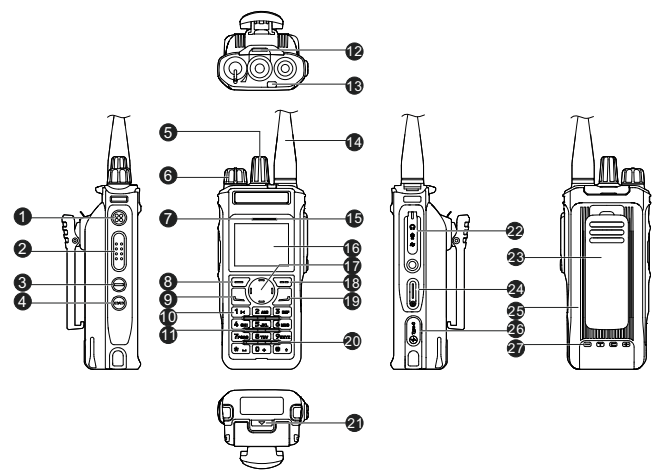


PDC580多模终端

PDC580 Multi-mode Radio

快速
操作
手册
Quick Reference Guide

熟悉产品



序号	部件名称	序号	部件名称	序号	部件名称
1	副 PTT 键（可编程键）	10	数字键盘	19	挂机键
2	主 PTT 键	11	扬声器	20	麦克风
3	SK2 键（可编程键）	12	吊绳孔	21	电池推钮
4	SK3 键（可编程键）	13	LED 指示灯	22	附件接口
5	信道旋钮	14	天线	23	皮带夹
6	开关机 / 音量旋钮	15	听筒	24	SIM 卡卡槽
7	麦克风	16	LCD 显示屏	25	电池
8	确认 / 菜单键	17	方向键	26	USB Type-C 接口
9	接听键	18	返回键	27	充电极片

备注
可编程键的具体功能及操作方法请咨询经销商。本手册中的图片仅供参考，请以实物为准。

用前准备

充电

注意

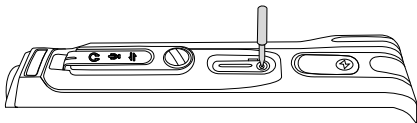
- 请使用我司指定的充电设备充电。
- 请在充电前仔细阅读《安全信息手册》之“严禁充电”，以获取必要的电池安全信息。
- 电池配主机首次使用可能会出现低电告警现象，请在使用前先对电池进行充电。因为，根据国际民航（IATA）《危险物品安全航空运输技术细则》规定要求，航空运输的锂离子电池（芯）的荷电状态不得超过其额定容量的 30%。
- 使用充电座对电池或整机进行充电。
通过充电座的 LED 指示灯了解充电状态，充电座指示灯状态说明可查看充电座底部的标签。

- 使用 USB Type-C 数据线连接终端与电源适配器、移动电源或 PC，对整机充电。观察终端的 LED 指示灯了解当前充电状态。

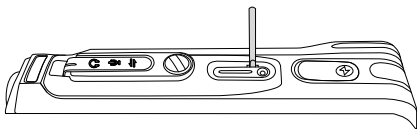
指示灯状态	充电状态
红色常亮	正在充电
红色快闪	充电异常
绿色常亮	已充满

安装 SIM 卡

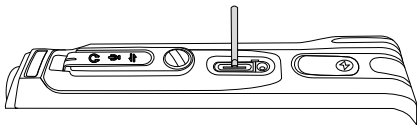
1. 用梅花螺丝刀拧开 SIM 卡盖上的螺钉。



2. 用一字螺丝刀取出 SIM 卡盖。



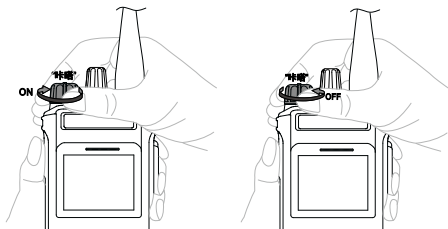
3. 用一字螺丝刀取出 SIM 卡托。



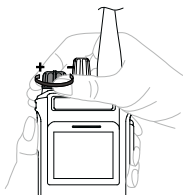
4. 将 Nano SIM 卡放入 SIM 卡托，注意缺口方向。
5. 将 SIM 卡托插入终端，盖上 SIM 卡盖，并用螺钉锁紧。

基本操作

开关机



调节音量



切换模式

在主菜单选择“工作模式”，选择所需模式，按【确认 / 菜单】键切换至所选模式。您可以在公网模式、专网模式、混合模式和中继模式之间切换。

- 公网模式：终端仅工作于公网模式。
- 专网模式：终端仅工作于专网模式。
- 混合模式：终端同时工作于公网模式和专网模式。

此时，终端屏幕上半部分显示公网状态界面，下半部分显示专网状态界面。您可以通过按

【上移】/【下移】方向键选择专网状态界面或公网状态界面，界面左侧显示  标志的为当前所选界面。

- 中继模式：终端作为网关，将接收到的专网语音或公网语音在专网和公网之间相互转发。该模式需授权后才可使用。

此时，终端屏幕上半部分显示公网状态界面，下半部分显示专网状态界面。您可以通过按

【上移】/【下移】方向键选择专网状态界面或公网状态界面，界面左侧显示  标志的为当前所选界面。

公网模式

选择守候组

- 旋转【信道旋钮】选择所需守候组。
- 在待机界面，按【左移】/【右移】键选择守候组。

专网模式

选择区域

- 在主菜单选择“区域”，按【上移】/【下移】方向键选择所需区域，按【确认 / 菜单】键切换至所选区域。
- 在待机界面，按【上移】/【下移】方向键选择区域。
- 按【区域上切】/【区域下切】快捷键选择区域。

选择信道

- 旋转【信道旋钮】选择所需信道。
- 在待机界面，按【左移】/【右移】方向键选择信道。

混合模式

- 专网
按【上移】/【下移】方向键选择专网界面，然后参考专网模式下的操作选择区域或选择信道。
其中，在混合模式下的专网待机界面，不能通过按【上移】/【下移】方向键选择区域。
- 公网
按【上移】/【下移】方向键选择公网界面，选择守候组的操作与公网模式下的一致。

中继模式

- 专网
按【上移】/【下移】方向键选择专网界面，然后参考专网模式下的操作选择区域或选择信道。
其中，在中继模式下的专网待机界面，不能通过按【上移】/【下移】方向键选择区域。
- 公网
按【上移】/【下移】方向键选择公网界面，选择守候组的操作与公网模式下的一致。

键盘锁定与解锁

当您无需使用键盘时，可以锁定键盘以防误操作。

- 在待机界面，先按  键，再按  键，锁定或解锁键盘。
- 按【键盘锁】快捷键锁定或解锁键盘。

状态指示

LCD 图标

图标类型	图标	产品状态
公共		显示越满，电池电量越足
		充电中
		电量不足，请尽快充电或更换电池
		已连接附件
		已开启静音
		已开启蓝牙功能
		已成功连接蓝牙配件
		TF 卡异常
		TF 卡已满
		正在录音
公网		已开启 2G/4G 移动数据网络。条数越多，宽带网络信号越强。
		已开启飞行模式
		未检测到 SIM 卡
		已开启定位服务，但未收到有效定位数据
		已开启定位服务，且收到有效定位数据

图标类型	图标	产品状态
专网		待机或数字模式下的发射状态（D：直通；R：中转）
		接收到信号，条数越多，信号越强
		模拟模式下按【PTT】键发射
		当前发射功率为低功率
		当前发射功率为高功率
		扫描检测状态
		扫描停留
		扫描停留于优先信道 1
		扫描停留于优先信道 2
		已开启监听功能
		已开启抗频功能
		已开启静噪功能
		已开启紧急呼叫

LED 指示灯

指示灯状态	产品状态
绿色闪烁	正在开机
绿色常亮	正在接收
红色常亮	正在发射
橙色慢闪	专网模式下正在扫描
橙色快闪	专网模式下紧急状态
橙色常亮	专网数字模式下的呼叫保持状态，即呼叫建立无人讲话时，您可以按住【PTT】键回呼
蓝色闪烁（每 3s 闪烁一次）	已开启蓝牙功能，但未连接蓝牙设备
蓝色闪烁（每 1.5s 闪烁一次）	已成功连接蓝牙设备
蓝色闪烁（每 0.1s 闪烁一次）	正在关闭蓝牙功能

呼叫

为保证最佳接收音量，发射时麦克风与嘴的距离请保持 2.5 厘米～ 5 厘米。

公网呼叫

连接移动网络后，您可以与联系人进行 PoC 对讲，操作步骤如下。

1. 选择目标联系人或目标联系组。
2. 按住【主 PTT】键进行语音对讲，讲话结束后松开【主 PTT】键。
接收到呼叫时，您无需任何操作即可接听。

专网呼叫

数字呼叫

- 专网模式

- » 旋转【信道旋钮】选择数字信道，按住【主 PTT】键发起呼叫。
- » 通过“联系人”菜单选择联系人，按住【主 PTT】键发起呼叫。
- 混合模式
 - » 旋转【信道旋钮】选择数字信道，按住【副 PTT】键发起呼叫。
 - » 通过“联系人”菜单选择联系人，按住【副 PTT】键发起呼叫。

模拟呼叫（无信令呼叫）

无信令呼叫是指在不带信令的模拟信道上发起的呼叫，呼叫对象为处在该信道上的所有用户。

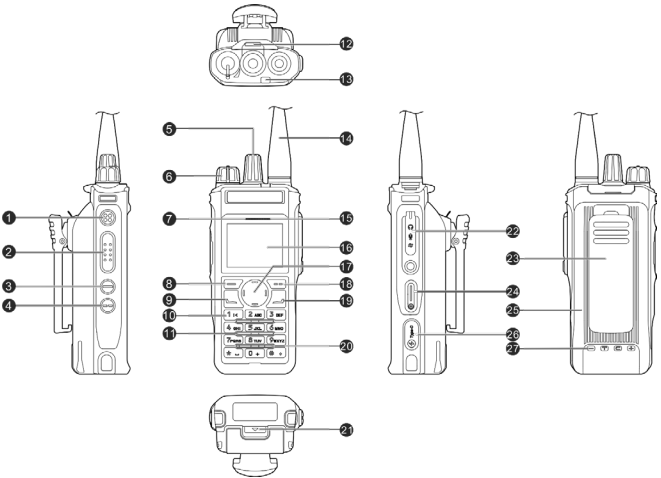
- 专网模式：在待机界面下，选择所需发起呼叫的模拟信道，按住【主 PTT】键发起呼叫。
- 混合模式：在待机界面下，选择所需发起呼叫的模拟信道，按住【副 PTT】键发起呼叫。

紧急报警

紧急报警功能需由经销商为您配置和开启，详情请参阅终端配套的《说明书》。

如需了解更多功能和操作详情，请访问 <https://www.hytera.com/cn/download-center.html>，在线查看或下载配套的文档。

Product Layout



No.	Part Name	No.	Part Name	No.	Part Name
1	Auxiliary Push-to-Talk (PTT) Key (programmable)	10	Keypad	19	End Key
2	Primary PTT Key	11	Speaker	20	Microphone
3	Side Key 2 (SK2) (programmable)	12	Strap Hole	21	Battery Latch
4	Side Key 3 (SK3) (programmable)	13	LED Indicator	22	Accessory Connector
5	Channel Selector Knob	14	Antenna	23	Belt Clip
6	On-Off/Volume Knob	15	Receiver	24	SIM Card Slot
7	Microphone	16	LCD Display	25	Battery
8	OK/Menu Key	17	Navigation Key	26	USB Type-C Port
9	Answer Key	18	Back Key	27	Charging Contacts

NOTE

- Figures in this guide are only for reference.
- For details on how to use programmable keys, consult your dealer.

Before Use

Charge the Battery

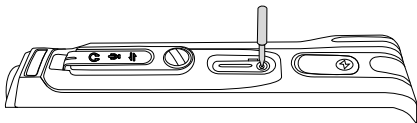
CAUTION

- Use the approved charger to charge the battery.
 - Read the Safety Information Booklet before charging.
 - The remaining lithium-ion battery power is limited to 30% pursuant to the new lithium battery shipment regulation approved by the International Air Transport Association (IATA).
-
- Use the charger to charge the battery alone or the battery attached to the radio. You can learn about the charging status through the LED indicator on the charger. For details, refer to the label at the bottom of the charger.
 - Connect the radio with battery attached to the power adapter, power bank, or PC through the USB Type-C cable. You can learn about the charging status through the LED indicator on the radio.

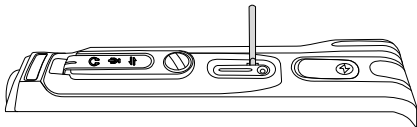
LED Indicator	Charging Status
Glows red	The battery is being charged.
Flashes red rapidly	The battery fails to be charged.
Glows green	The battery is fully charged.

Install the SIM Card

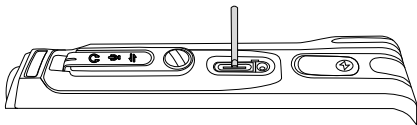
1. Use a Phillips screwdriver to loosen the screw on the SIM card cover.



2. Use a flathead screwdriver to remove the SIM card cover.



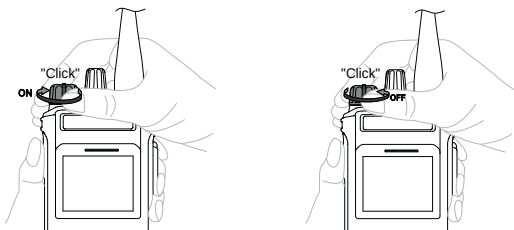
3. Use a flathead screwdriver to extract the SIM card tray.



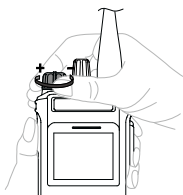
4. Place the SIM card into the tray with the notch on the SIM card aligned with the notch on the tray.
5. Insert the SIM card tray into the radio.
6. Put the SIM card cover back in place, and then secure it with a screw.

Basic Operations

Turn On or Off the Radio



Adjust the Volume



Switch the Mode

You can switch the radio to Broadband mode, Narrowband mode, Broadband & Narrowband mode, or Repeater mode.

NOTE

Repeater mode requires license. In Repeater mode, the radio can relay audio between public network and PMR network.

1. On the home screen, go to **Menu > Mode**.
2. Select a mode, and then press the **OK/Menu** key.

Select the Standby Group

Broadband Mode

- Rotate the **Channel Selector** knob.
- On the home screen, press the **Left** key or **Right** key.

Broadband & Narrowband Mode or Repeater Mode

1. On the home screen, to select the broadband information area in the upper part, press the **Up** key or **Down** key.

The icon  on the left indicates the selected area.

2. Do either of the following:
 - » Rotate the **Channel Selector** knob.
 - » On the home screen, press the **Left** key or **Right** key.

Select the Zone

Narrowband Mode

- On the home screen, press the **Back** key, select a zone, and then press the **OK/Menu** key.
- On the home screen, press the **Up** key or **Down** key.
- Press the preprogrammed **Zone Up** or **Zone Down** key.

Broadband & Narrowband Mode or Repeater Mode

1. On the home screen, to select the narrowband information area in the lower part, press the **Up** key or **Down** key.

The icon  on the left indicates the selected area.

2. Do either of the following:
 - » On the home screen, press the **Back** key, select a zone, and then press the **OK/Menu** key.
 - » Press the preprogrammed **Zone Up** or **Zone Down** key.

Select the Channel

Narrowband Mode

- Rotate the **Channel Selector** knob.
- On the home screen, press the **Left** key or **Right** key.

Broadband & Narrowband Mode or Repeater Mode

1. On the home screen, to select the narrowband information area in the lower part, press the **Up** key or **Down** key.

The icon  on the left indicates the selected area.

2. Do either of the following:
 - » Rotate the **Channel Selector** knob.
 - » On the home screen, press the **Left** key or **Right** key.

Lock and Unlock the Keypad

When the keypad is idle, it is recommended that you lock it to avoid misoperations.

- On the home screen, press , and then press .
- Press the preprogrammed **Keypad Lock/Unlock** key.

Status Indications

You can learn the radio status through LCD icons and the LED indicator.

LCD Icons

Type	Icon	Radio Status
Common		More bars indicate more remaining battery power.
		The battery is being charged.
		The battery runs out of power.
		An accessory is connected.
		The radio operates in silent mode.
		BT is enabled.
		A BT accessory is connected.
		The TF card is abnormal.
		The TF card is full.
		The radio is recording.
Broadband		The radio is connected to 2G/4G mobile network. More bars indicate stronger signal.
		Airplane mode is enabled.
		No SIM card is detected.
		GPS is enabled, but no valid positioning data is received.
		GPS is enabled, and valid positioning data is received.
Narrowband		The radio is standby or transmitting in digital mode. (D: Direct mode; R: Repeater Mode)
		The radio receives signal, and more bars indicate stronger signal.
		The radio is transmitting in analog mode.
		The radio operates in Low Power mode.
		The radio operates in High Power mode.
		The radio is scanning.
		The radio stays on an active channel.
		The radio stays on Priority Channel 1.
		The radio stays on Priority Channel 2.
		Monitor is enabled.
		Scrambler is enabled.
		Squelch Off is enabled.
		The radio initiates an emergency call.

LED Indicator

LED Indicator	Radio Status
Flashes green	The radio is being turned on.
Glow green	The radio is receiving.
Glow red	The radio is transmitting.
Flashes orange slowly	The radio is scanning in narrowband mode.
Flashes orange rapidly	The radio initiates an emergency call in narrowband mode.
Glow orange	In narrowband digital mode, the radio is within call hang time. Within such a period, you can press and hold the PTT key to call back.
Flashes blue	Once every 3s BT is enabled, but no BT device is connected.
	Once every 1.5s A BT device is connected.
	Once every 0.1s BT is being disabled.

Call Services

When you are speaking during a call, keep the microphone about 2.5 cm to 5 cm away from your mouth. This ensures optimal voice quality on the receiving radio.

PoC Call

Initiate a Call

When the radio is connected to public network, you can initiate a PoC call.

1. Select a private contact or group contact.
2. Press and hold the **Primary PTT** key.
3. When you finish speaking, release the **Primary PTT** key.

Answer a Call

You can answer a PoC call without any operation.

PMR Call

Initiate a Call on Digital Channel

- Narrowband mode
 - » Rotate the **Channel Selector** knob to select a digital channel, and then press and hold the **Primary PTT** key.
 - » Go to **Menu > Contacts**, select a contact, and then press and hold the **Primary PTT** key.
- Broadband & Narrowband mode
 - » Rotate the **Channel Selector** knob to select a digital channel, and then press and hold the **Auxiliary PTT** key.
 - » Go to **Menu > Contacts**, select a contact, and then press and hold the **Auxiliary PTT** key.

Initiate a Call on Analog Channel (Without Signaling)

On an analog channel without signaling, you can initiate a call to all the other users on the channel.

- Narrowband mode: On the home screen, select an analog channel, and then press and

hold the **Primary PTT** key.

- Broadband & Narrowband mode: On the home screen, select an analog channel, and then press and hold the **Auxiliary PTT** key.

Emergency Call

Emergency call is configured by your dealer. For details, refer to the User Manual.

For details, please visit our website at: <https://www.hytera.com/en/download-center.html> to view or download the relevant documents.



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