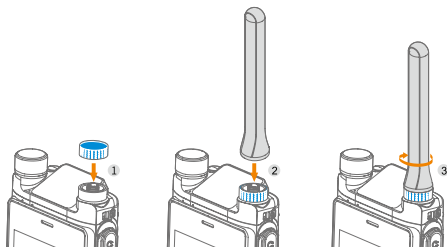PDC760 Multi-mode Advanced Radio

Before Use

Attaching the Antenna

1. Place the color ring on the antenna connector.
2. Put the antenna on the antenna connector.
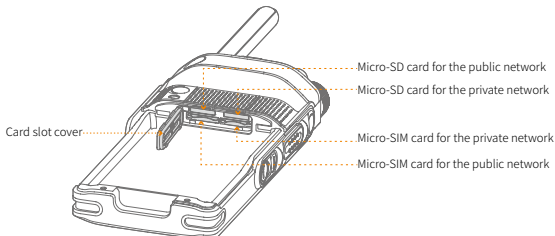3. Rotate the antenna clockwise till hand tight.

⚠Caution

Do not hold the radio by the antenna, because it may reduce the radio performance and life span of the antenna.

Installing the Micro-SIM Card and Micro-SD Card

1. Open the card slot cover on the top of the battery compartment.
2. Install the micro-SIM card.
   a. Pull the micro-SIM card tray out of the slot, and place the SIM card with the gold contacts facing up on the tray.
   b. Insert the card tray with the SIM card back into the slot.
3. (Optional) Insert the micro-SD card into the corresponding slot.
4. Put the card slot cover back in place.

Micro-SD card for the public network
Micro-SD card for the private network
Card slot cover
Micro-SIM card for the private network
Micro-SIM card for the public network

📝Note

To re-install the micro-SD card, take the card out completely, and then re-insert it to the slot.
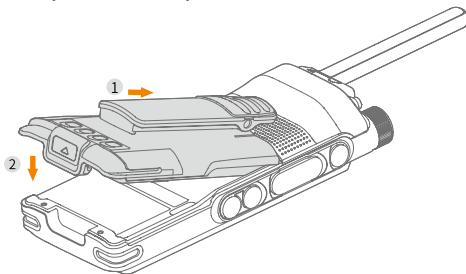
Attaching the Belt Clip

1. Align the rails on the belt clip with the grooves on the battery.
2. Press the belt clip downwards into place.
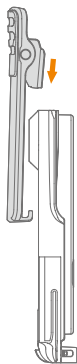
Attaching the Battery

1. Push the battery until it is fully fitted into the slot.
2. Press the battery latch until it is fully fitted into the radio.

Charging the Battery

⚠Caution

- Read the Safety Information Booklet before charging.
- Use the approved charger to charge the battery.
- The remaining lithium-ion battery power is limited to 30% pursuant to the new lithium battery shipment regulation approved by International Air Transport Association (IATA).

Before initial use, fully charge the battery to ensure optimum performance. You can charge the radio with battery attached or charge the battery alone.
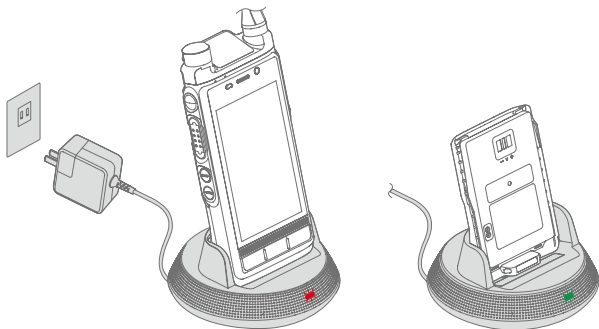
To determine the charging status, check the LED indicator on the charger according to the following table:

LED Indicator	Charging Status
Glows red	The battery is being charged.
Glows green	The battery is charged to 95%.
Flashes red rapidly	The battery fails to be charged.

Basic Operations

Turning the Radio On or Off

To turn the radio on, press and hold the **On-Off/End** key until the splash screen appears.

To turn the radio off, do as follows:

1. Press and hold the **On-Off/End** key until the power-off selection screen appears.
2. Tap **Device Power Off**, and then tap **Sure**.

Adjusting the Volume

To adjust the volume, directly rotate the **Smart Knob**.
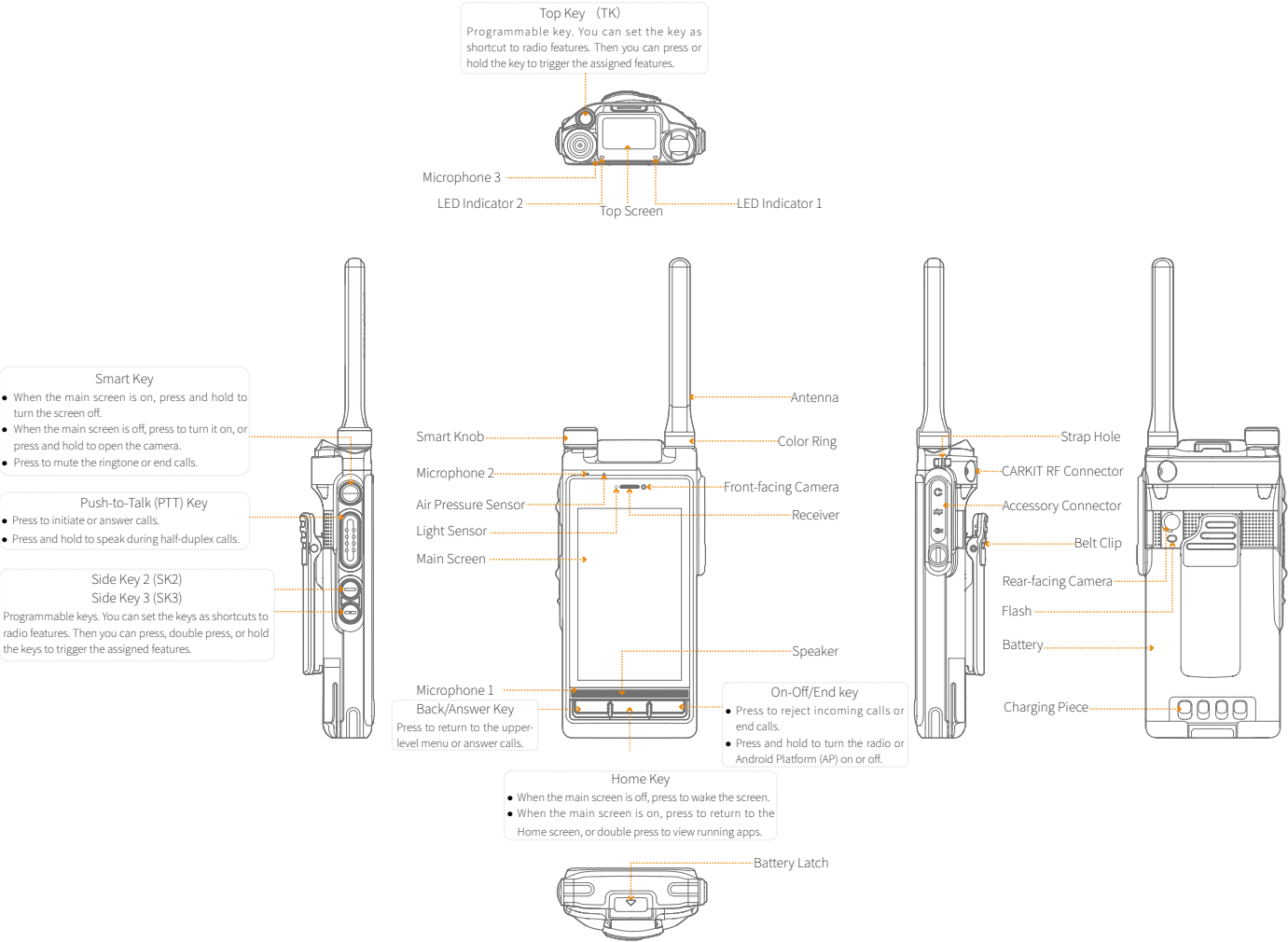
Selecting Channels or Contacts

1. Press the **Smart Knob**.
2. Rotate the knob to select the required channel or contact.

🖉 Note

If you do not operate the knob within 5s, it automatically returns to the volume control state.

Product Overview

Product Layout

Top Key （TK）
Programmable key. You can set the key as shortcut to radio features. Then you can press or hold the key to trigger the assigned features.

Microphone 3

LED Indicator 2

Top Screen

LED Indicator 1

Smart Key
- When the main screen is on, press and hold to turn the screen off.
- When the main screen is off, press to turn it on, or press and hold to open the camera.
- Press to mute the ringtone or end calls.

Push-to-Talk (PTT) Key
- Press to initiate or answer calls.
- Press and hold to speak during half-duplex calls.

Side Key 2 (SK2)
Side Key 3 (SK3)
Programmable keys. You can set the keys as shortcuts to radio features. Then you can press, double press, or hold the keys to trigger the assigned features.

Smart Knob

Microphone 2

Air Pressure Sensor

Light Sensor

Main Screen

Microphone 1

Back/Answer Key
Press to return to the upper-level menu or answer calls.

Antenna

Color Ring

Front-facing Camera

Receiver

Speaker

On-Off/End key
- Press to reject incoming calls or end calls.
- Press and hold to turn the radio or Android Platform (AP) on or off.

Home Key
- When the main screen is off, press to wake the screen.
- When the main screen is on, press to return to the Home screen, or double press to view running apps.

Strap Hole

CARKIT RF Connector

Accessory Connector

Belt Clip

Rear-facing Camera

Flash

Battery

Charging Piece

Battery Latch

Understanding the Screens

⚠Caution

The screens may be damaged or broken if they are hit or scraped by sharp or hard objects. All care must be taken to protect the screens.

The radio has two screens: top screen and main screen.

Top Screen

The top screen, which shows information about narrow band (NB) services, includes the following three bars:

- Status bar: Shows icons indicating battery power, signal strength and other statuses.
- Content bar: Shows the selected channel or contact and icons related to ongoing calls.
- Information bar: Shows icons indicating the number of unread messages and missed calls, time, and current operation mode.

- Status bar
- Content bar
- Information bar
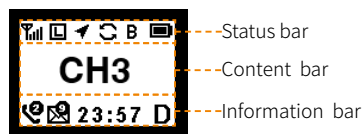
Main Screen

The main screen is a touch screen where you can manage widgets, apps, and set the radio on AP.

Home Screen

The Home screen is the main screen you view upon power-on. It contains the status bar, NB widget, and broadband (BB) widgets.

- Status bar
- NB widget
- BB widget
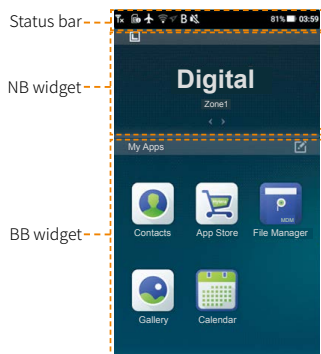
Switching the Operation Mode

The radio can operate in NB & BB mode or NB mode. Upon power-on, the radio operates in NB & BB mode by default.

In NB & BB mode, both the top screen and main screen are on. The radio can access both private and public network services.

In NB mode, only the top screen is on. The radio accesses only private network services. The NB mode includes the following two types:

- Conventional mode: The radio communicates with one or more other radios directly without using a network.
- Trunking mode: The radio communicates with one or more other radios over a network.

To switch the specific NB mode, go to **Settings**>**PMR**>**Work mode**, and then tap **Conventional** or **Trunking**.

To switch to NB mode, do as follows:

1. Press and hold the **On-Off/End** key until the power-off selection screen appears.
2. Tap **AP Power Off**, and then tap **Sure**.

To switch back to NB & BB mode, do as follows:

1. Press and hold the **On-Off/End** key until the power-off selection screen appears.
2. Tap **AP Power On**.

Apps Panel

To access Apps, do as follows:

1. Swipe right from the left edge of the Home screen.
2. Swipe up or down to view the apps, and then tap the target app.

Quick Setting Panel

The quick setting panel allows you to access handy features, such as Camera, Flashlight, and Calculator. You can also adjust the brightness, and turn on or off the airplane mode, Wi-Fi, NB network, Bluetooth, etc. To access the quick setting panel, swipe up from the bottom edge of any screen. You can swipe left to view more items.

To rearrange an item, touch and hold the item until it is highlighted, and drag it to a new location.

Notification Panel

You can access the notification panel to view notifications and search for Apps, contacts or messages.

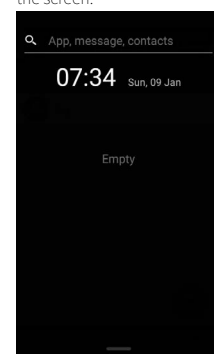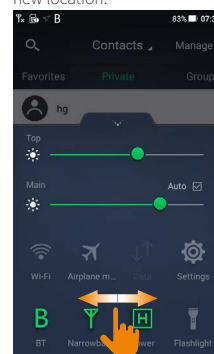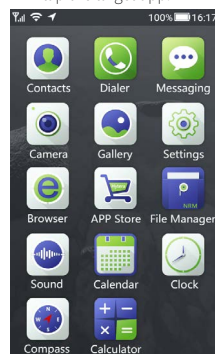To view notifications, do as follows:

1. Swipe down from the top edge of any screen.
2. Tap a notification to view the details.

To search for Apps, contacts or messages, enter key words in the search box at the top of the screen.

Status Indications

LCD Icons

Type	Top Screen	Main Screen	Radio Status
Battery power	🔋	🔋	The number of bars indicates the remaining battery power.
	🔋	🔋	The battery power is low.
Network	/	**3G/4G**	A 3G/4G network is available.
	/	📶	The radio is connected to the wireless local area network (WLAN).
Signal	/	✈	The radio operates in Airplane mode.
	/	.ıll	The number of bars indicates the signal strength of the BB network.
		📵	The NB network is turned off.
		Ｔx	Conventional mode: The radio is in standby state. Trunking mode: The radio detects no signal.
		Ｔıll	The number of bars indicates the signal strength of the NB network.
		Ｔıll	The number of bars indicates the signal strength when the radio operates under a single site in trunking mode.
Call and data services	☎①		The digit indicates the number of missed calls.
	✉①		The digit indicates the number of unread short messages.
	⚠		An emergency call is in progress.
	ᴧ		The radio is transmitting on an analog channel.
	📱 📱 📱		A private/group/all call is in progress on the NB network.
Accessory	🎧		An accessory is connected.
	B		The Bluetooth feature is enabled.
	·B·		A Bluetooth device is connected.
	◀		The GPS feature is enabled, and the radio is receiving positioning data.
	◁		The GPS feature is enabled, but the radio receives no positioning data.
Others	🄻 / 🄷		The radio operates in low or high power mode.
	🔁		The radio is roaming.
	🔁		The radio is scanning.
	🔁		The radio stops scanning.
	🔐		The Encryption feature is enabled.
	🔇		The radio operates in silent mode.

LED Indications

LED Indicator 1

LED Indicator	Radio Status
Flashes green	Being turned on.
Flashes green slowly	Standby in trunking mode.
Glows green	Receiving.
Glows red	Transmitting.
Flashes red	• The radio in trunking mode is making a call. This indication is applicable only to the calling radio. • The battery runs low. Please recharge or replace the battery.
Flashes orange slowly	• Conventional mode: Scanning or roaming • Trunking mode: Registering
Flashes orange rapidly	• Conventional mode: Working in emergency mode. • Trunking mode: Establishing a Full Off Air Call Set-Up (FOACSU) call. This indication is applicable only to the called radio.
Glows orange	Call hang time: No voice is being transmitted or received during a call. Within such a period, you can press and hold the PTT key and speak.
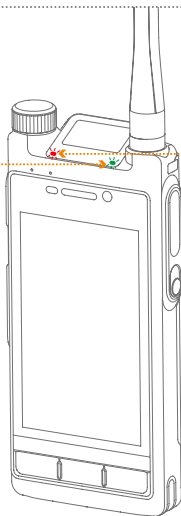
LED Indicator 2

LED Indicator	Radio Status
Flashes blue	A Bluetooth device is connected.
Flashes red	There is/are unread short message(s)/notification(s) or missed call(s).

Call Services

Group Calls

A group call is a call from an individual user to all the other members in the group over the private network.

Initiating Group Calls

You can make a group call through one of the following ways:

Preset Contact

- Conventional Mode
1. Press the **Smart Knob**.
2. Rotate the knob to select the channel associated with the required group contact.
3. Press and hold the **PTT** key.
- Trunking Mode
1. Press the **Smart Knob**.
2. Rotate the knob to select the required group contact.
3. Press and hold the **PTT** key.

Manual Dialing

1. Tap .
2. Enter the required group number.
3. Select "PMR group call".
4. Press and hold the **PTT** key.

Contact list

1. Tap >**Group.**
2. Tap the required group contact.
3. Press and hold the **PTT** key.

Receiving Group Calls

You can listen to a received group call without any operation.

Ending or Exiting Group Calls

In conventional mode and trunking mode, a group call ends automatically when the call hang time expires.

In trunking mode, you can also press the **On-Off/End** key to end an outgoing group call or exit an incoming group call.

Private Calls and Phone Calls

A private call is a call initiated by one individual user to another over the private network. A phone call is a call initiated by one individual user to another over the public network.

Initiating Private Calls and Phone Calls

You can make a private call or phone call through one of the following ways:

Preset contact

- Conventional Mode
1. Press the **Smart Knob**.
2. Rotate the knob to select the channel associated with the required private contact.
3. Press and hold the **PTT** key.
- Trunking Mode
1. Press the **Smart Knob**.

2. Rotate the knob to select the required private contact.
3. Press and hold the **PTT** key.

Manual Dialing

To make a private call over the private network, do as follows:

1. Tap 🟢 .
2. Enter the private contact number.
3. Press and hold the **PTT** key.

To make a phone call over the public network, do as follows:

1. Tap 🟢 .
2. Enter the phone number.
3. Press [📞] or press and hold the **PTT** key.

Contact list

To make a private call over the private network, do as follows:

1. Tap 🟢 >**Private**.
2. Tap the required private contact.
3. Press and hold the **PTT** key.

To make a phone call over the public network, do as follows:

1. Tap 🟢 >**Private**.
2. Tap the required phone contact.
3. Tap 📞 .

Receiving Private Calls and Phone Calls

Private Call

In conventional mode, you can answer an incoming private call without any operation.

In trunking mode, the operation varies with the setup mode of the incoming private call:

- FOACSU
  The radio rings and vibrates to indicate the incoming call. You can press the **PTT** key or the **Back/Answer** key to answer the call.
- Off Air Call Set-Up (OACSU)
  The call is established automatically. You can listen to it without any operation.

Phone Call

You can press [📞] or **Back/Answer** key to answer an incoming phone call.

Ending Private Calls and Phone Calls

Private Call

In conventional mode and trunking mode, a private call ends automatically when the call hang time expires.

In trunking mode, you can also press the **On-Off/End** key to end the call.

Phone Call

To end the phone call, tap [📞] or press the **On-Off/End** key.

Message Services

The Message feature allows you to send and receive messages.

Sending Messages

1. Tap 💬 , and then tap ✏️ in the lower right corner.
2. Tap the **To** text box to enter a recipient, or tap + to select a recipient from your Contacts.
3. Tap the **Type message** text box to enter the text.
4. (Optional) Tap + on the left to schedule the message to be sent later automatically or add required attachments.
5. Tap → to send the message.

📝 Note

For private contacts, you can also add contacts, quick reply texts, and status messages (for trunking mode only).

For phone contacts, you can also add contacts, photos, voices, videos, multimedia message, quick reply text, and emojis.

Managing Messages

1. Tap 💬 and then tap a message to be managed.
2. Touch and hold the message text.
3. In the editing interface, do one of following:
    » To copy the message, tap **Copy text**.
    » To forward the message, tap **Forward** and enter a new contact number or tap + to select a new contact.
    » To delete the message, tap **Delete**.
    » To add the message to the favorite list, tap **More** > **Favorite**. To view the favorite messages, tap "My favorites".
    » To view the message details such as message type and sending time, tap **More** > **View details**.

For details on more features and operations, please visit our website at: http://www.hytera.com, or scan the QR code to download the relevant user manual.

Hytera

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