Hytera

QUICK REFERENCE GUIDE

Hytera PD795EX

EX DIGITAL PORTABLE RADIO

Find Hytera PD795Ex on our website:
www.radiotronics.co.uk/hytera-pd795ex

This radio is an intrinsically safe product, so be sure to read the supplied Safety Information Booklet and safety instructions in the Owner's Manual carefully before use. This guide is helpful for you to quickly know how to use the radio.

1. Instructional Icons

The following icons are available through this guide:

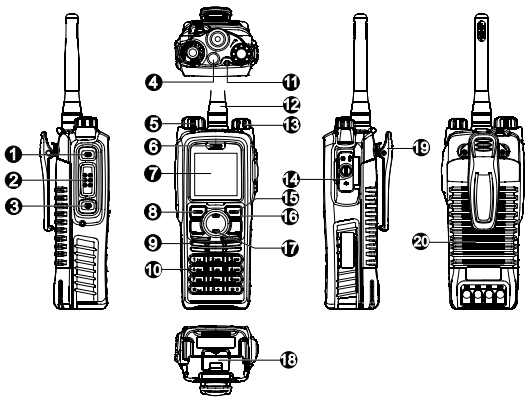
: indicates functions that are available on digital channel only.

: indicates functions that are available on analog channel only.

Functions marked with no function icons are available on both analog and digital channels.

2. Product Overview

■ Product Controls



No.	Part Name	No.	Part Name
1	SK1 (Side Key 1)	11	LED Indicator
2	PTT Key	12	Antenna
3	SK2 (Side Key 2)	13	Radio On-Off/Volume Control Knob
4	TK (Top Key)	14	Accessory Jack
5	Channel Selector Knob	15	Back Key
6	Microphone	16	Up Key
7	LCD Display	17	Down Key
8	OK/Menu Key	18	Battery Latch
9	Speaker	19	Belt Clip
10	Numeric Keypad	20	Battery

■ Programmable Keys

You may request your dealer to program the keys **SK1**, **SK2**, **TK**, and as shortcuts to radio functions. See the Owner's Manual for more details.

3. Status Indication

■ LCD Icon

Icon Name	Icon	Radio Status
RSSI		No signal
		More bars indicate better signal strength
Message Icon		New message/unread message
		InBox is full
Scan Icon		Scanning is in progress
		Scanning pauses on a non-priority channel

Scan Icon	P1	Scanning pauses on Priority Channel 1
	P2	Scanning pauses on Priority Channel 2
TX Power Icon	L	Low TX power for the current channel
	H	High TX power for the current channel
Battery Strength Icon		More bars indicate more battery power
Monitor Icon		The Monitor feature is active
Speaker Icon		The speaker is unmuted
Emergency Icon		The Emergency mode (other than secret emergency) is active or an emergency message is received
Accessory Icon		An accessory is connected
GPS Icon		The GPS feature is active, and valid GPS data is received
		The GPS feature is active, but no valid GPS data is received
Scrambler/ Encrypt Icon		The Scrambler/Encrypt feature is active
Missed Call Icon		A call is missed
DTMF Keypad Icon		The DTMF keypad is enabled
Roam Icon		Roaming is in progress

■ LED Indicator

LED Indication	Radio Status
LED flashes green.	Powering on
LED glows red.	Transmitting
LED glows green.	Receiving
LED flashes orange slowly.	Scanning
LED flashes orange rapidly.	Emergency
LED glows orange.	After voice communication ends, you can hold down the **PTT** key to talk while the LED is glowing orange

4. Basic Operations

■ Turning the Radio On/Off

Rotate the **Radio On-Off/Volume Control** knob clockwise/ counter-clockwise until a click is heard to turn the radio on/off .

■ Adjusting the Volume

After turning the radio on, rotate the **Radio On-Off/Volume Control** knob clockwise to increase the call volume, or counter-clockwise to decrease it.

■ Selecting a Zone

A zone is a group of channels exhibiting the same property, and is programmed by your dealer. The radio supports up to 64 zones, each with a maximum of 16 channels. You may select a zone through any of the following methods:

1. Through menu selection
   Go to the menu “Zone”, and use the **Up/Down** key to select your desired zone.

2. Through the function keys
   You may quickly toggle to your desired zone by pressing the programmed **Zone Up** or **Zone Down** key.

■ Selecting a Channel

After turning the radio on, rotate the **Channel Selector** knob to select a desired channel. If you enable the Channel Notify feature via “Menu -> Settings -> Radio Set -> Tone ->Channel Notify”, your radio will broadcast the channel number upon channel switching. The broadcasting language (only Chinese and English are available currently) is preset by your dealer.

■ Switching the Channel Mode

Each channel can be programmed as either analog channel or digital channel. If the current zone includes both analog and digital channels, you may quickly switch between digital and analog through the **Channel Selector** knob.

■ Locking/Unlocking the Keypad

When the keypad is not in use, you can lock the keypad to prevent accidental keypad operation. The following methods are available for you to lock or unlock the keypad:

1. Through key combination
   Use “**OK**+ [*] ” to lock or unlock the keypad.
2. Through the function key
   Press the programmed **Keypad Lock** key to lock or unlock the keypad.
3. Through menu selection
   Go to “Settings -> Radio Set -> Keypad Lock”, and then select “Enable” or “Disable”.

   Enable: The keypad will be locked automatically if no operation is made within the preset time period.
   Disable: The keypad will not be locked automatically. However, you can lock or unlock the keypad via the key combination or **Keypad Lock** key mentioned above.

Note: When the Keypad Auto Lock feature is enabled, the keypad will be locked automatically if no operation is made within the preset time period. You can use the “Disable” option in the menu “Keypad Lock” to deactivate the Keypad Auto Lock feature.

5. Call

To ensure an optimal volume of the receiving radio, hold the radio approximately 2.5 to 5 centimeters away from your mouth.

■ Private Call

Transmitting a Private Call

You may transmit a Private Call through any of the following methods. When transmitting a Private Call, the icon will appear.

- Transmitting a call to the preset contact
  In the home screen, hold down the **PTT** key to transmit a Private Call to the Private Call contact preset for the current channel.

Note: Your dealer may preset a contact for each digital channel. The preset contact could

be a Private Call contact, a Group Call contact or an All Call contact.

- Transmitting a call through Contact List or Call Logs

1) Go to “Contact -> Contact List”, or go to “Call Logs” and access the Outgoing/Incoming/Missed list.
2) Use the **Up/Down** key to select the Private Call contact you want to call.
3) Hold down the **PTT** key to transmit the Private Call.

- Through manual input

1) Go to “Contact -> Manual Dial”.
2) Input a Private Call contact you want to call.
3) Hold down the **PTT** key to transmit the Private Call.

Note:

- If your radio supports both Private Call Manual Dial and Group Call Manual Dial, you can switch between them by pressing [# ⬆]. The LCD will display appropriate ID.
- If the Default Numeric Key Selection feature is enabled by your dealer, you can enter a Private Call number in the home screen, and then hold down the **PTT** key to transmit the Private Call. However, if the DTMF keypad is enabled, the number entered in the home screen is a phone number. You can dial the Private Call number through the menu “Manual Dial” only.

Receiving and Responding to a Private Call

When a Private Call is received, your radio will display the icon .

You may hold down the **PTT** key within the preset time period to call back. If you do not respond to it, your radio will provide appropriate indications.

Note:

- If the Display Missed Call feature is enabled by your dealer, your radio will display the missed call icons and .
- If the Display Missed Call feature is not enabled by your dealer, your radio will display the missed call icon only.

■ Group Call

Transmitting a Group Call

You may transmit a Group Call through any of the following methods. When transmitting a Group Call, the icon will appear.

- Transmitting a call to the preset contact

  In the home screen, hold down the **PTT** key to transmit a Group Call to the Group Call contact preset for the current channel.

- Transmitting a call through Contact List

1) Go to “Contact -> Contact List”.
2) Use the **Up/Down** key to select the Group Call contact you want to call.

3) Hold down the **PTT** key to transmit the Group Call.

- Through manual input

1) Go to “Contact -> Manual Dial”.
2) Input a Group Call contact you want to call.
3) Hold down the **PTT** key to transmit the Group Call.

Note:

- If your radio supports both Private Call Manual Dial and Group Call Manual Dial, you can switch between them by pressing [# ⇧]. The LCD will display appropriate ID.
- If the Default Numeric Key Selection feature is enabled by your dealer, you can enter a Group Call number in the home screen, and then hold down the **PTT** key to transmit the Group Call. However, if the DTMF keypad is enabled, the number entered in the home screen is a phone number. You can dial the Group Call number through the menu “Manual Dial” only.

Receiving and Responding to a Group Call

When a Group Call is received, your radio will display the icon .

You may hold down the **PTT** key within the preset time period to call back.

■ All Call

Transmitting an All Call

Two methods are available for transmitting an All Call: transmitting a call to the preset contact; transmitting a call through Contact List. They are the same as those in Transmitting a Group Call. When transmitting an All Call, the icon will appear.

Note: You can transmit an All Call only when it is enabled by your dealer.

Receiving an All Call

When an All Call is received, your radio will display the icon .

Note: You cannot respond to a received All Call.

■ Calls on Analog Channels

To transmit a call, hold down the **PTT**, and speak into the microphone. To receive, release the **PTT** key.

■ Phone

If the repeater is connected with a PSTN gateway (such as Zetron M30), the radio can communicate with the phone via it.

Transmitting a phone call:

1. Access the phone system.

- Live Dial

  Hold down the **PTT** key, and enter the access code via the keypad. Then release the **PTT** key. The radio beeps and

displays the dialing information. When the phone system is accessed successfully, the radio goes to the DTMF keypad mode.

- Buffer Dial

1) Enter the DTMF keypad mode. The following methods are available to enter this mode.
   - Go to “Menu -> Phone –> Manual Dial” to enter the DTMF keypad mode.
   - Press the programmed **DTMF Keypad** key.
   - Go to “Menu -> Phone -> DTMF Keypad”, and then select “Enable”. The number entered via the keypad in the home screen is the DTMF code.
2) Access the phone system: Enter the access code via the keypad and then press the **PTT** key. The radio beeps and displays the dialing information. When the phone system is accessed successfully, the radio goes to the DTMF keypad mode again.

2. Make the phone call.

- Live Dial: Hold down the **PTT** key and enter the phone number via the keypad. Release the **PTT** key after the complete number is entered.
- Buffer Dial: Enter the phone number via the keypad and then hold down the **PTT** key.
- Select “Back”. Then go to “Menu -> Phone ->Phone List” to select a desired contact, and press the **PTT** key.

3. After the call is established, you can hold down the **PTT** key to talk, and release it to listen.

   To end the call, you can send the de-access code (the input method is the same as that for the access code) to exit the phone system.

   If the phone is hung up, the call will be ended and the phone system will be exited too.

Receiving a phone call:

When the radio receives a phone call, the icon will appear.

You may hold down the **PTT** key within the preset time period to call back. If you do not respond to it, your radio will provide appropriate indications.

Note:

- If the Display Missed Call feature is enabled by your dealer, your radio will display the missed call icons and .
- If the Display Missed Call feature is not enabled by your dealer, your radio will display the missed call icon only.