QUICK REFERENCE GUIDE

DIGITAL VEHICLE-MOUNTED TERMINAL

Part Name	Function Description	
P1~P3 keys	Same functions as the relevant keys of PM790.	
Call/Answer key		
Hook key		
Return key		
Up/Down key		
Emergency call key		
OK key	Same functions as the Menu/OK key of PM790.	
Dial-up keypad	Including Number/Letter keys, * key and # key, all for dialing up a number.	
PTT key	Used to initiate PTT calls.	

You can put group contacts into a cluster to manage the contacts

You can select a cluster by the following two ways:

Press the Menu/OK key to open the main menu. Press the Up/Down button to select a cluster. After the selected group is opened, set it to

In the standby interface, press the group call management key to open



One cluster list is set by factory default. This list contains 64 clusters.

Legal Information

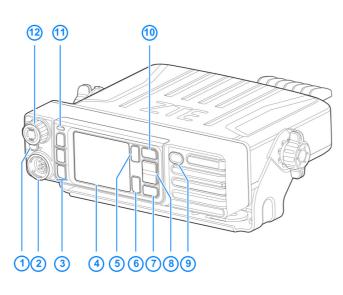
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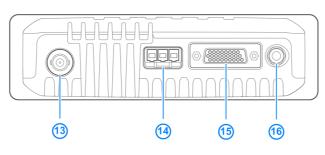
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Getting to Know Your Device

Device Overview





Keys, Interfaces, and Indicators

Name Emergency call key	Function Pressing this key launches an emergency call with		
	Drossing this key launches an emergency call with		
-	Pressing this key launches an emergency call with the current number.		
Handheld microphone interface	Connects to a handheld microphone to make PTT calls.		
P1~P3 keys	Opens a preset function screen directly.		
Screen	Shows the current information of the device.		
Back/Delete key	Returns to the previous screen.Deletes what has been input.		
Menu/OK key	Opens the menu of the device.Confirms the selection.		
Call/Answer key	Initiate a call or answer an incoming call.		
Up/Down navigation key	Browses and selects an option on the menu.		
Power key	Long-pressing the key to power on/off the device.		
Hook key	Used to end or reject an incoming call.		
LED indicators	Indicates the communication status of the device (for details, see "LED Indicators").		
Volume/ Channel knob	 Used to adjust the volume of the device. Press and then rotate the knob to select a channel. 		
Vo	olume/		

Back Side		
No.	Name	Function
13	Antenna interface	Used to connect an external antenna.
14	Power interface	Used to onnect to the power sup.
15	DB26 accessory interface	Used to connect to the accessories.
16	GPS antenna interface	Used to connect an external GPS antenna.

Programmable keys

In order to improve operation convenience, PM790 has three programmable keys: P1, P2, and P3, each of which can be programmed with functions by the distributors. Current functions of the keys are:

Key	Current Function
P1	Adjusts the transmit power level (low or high).
P2	Enables/disables the silencing function.
P3	Pending.

LCD icons

Icons are shown on the LCD screen to indicate the statuses as follows

Icon	Description	Icon	Description
Yul	Signal strength	L	Low power transmission at the current channel
⊜	Unread messages	H	High power transmission at the current channel
	Inbox space is full	2	Alert tone silent
©	The device is in scanning status (not shown in background scanning)	Ц×	Interphone silent
→Ē→	The device is in roaming status	ভ	GPS in working status
•	Incoming call	12	In a call
×	Missed call(s)		

Solid on in being transmitted or received in the traffic channel and now you can hold the PTT key on the handheld orange microphone to speak.

Basic Operations

Indicator Status | Device Status

Power On/Off

LED Indicators

Solid on in

Hold the **Power** key to power on/off the device.

LED indicators show the operation status of the device.

Data being received.

Solid on in red Data being transmitted.

Flashing quickly Scanning in progress.

Adjust the Volume

After the device is powered on, rotate the Volume/Channel knob clockwise to increase the volume or anti-clockwise to decrease the volume.

After a call is set up successfully, there is no voice call

Connect a Handheld Microphone

Note:

The handheld microphone is an important accessory for PM790. A PTT call can be made only after a handheld microphone is connected. You can use the handheld microphone to perform the following

- Browse the function menu of the PM790, select a function and
- Input a private or group call number.
- Initiate, answer and hang up a PTT call.

Parts and respective functions of the handheld microphone are as

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PTT key	Used to initiate PTT calls.	

Select a Cluster

efficiently. The device supports 64 clusters, each of which can contain 16 group contacts.

"Default" and then press the **OK** key to switch to the selected cluster.

the cluster menu. Repeat the steps as described above.

Select a Group Call Contact

You can select a group call contact in the following ways after successful startup and registration:

If no group call contact can be selected, an alert (with alert tone) of empty group will be given.

Menu

Press the Menu/OK key to open the main menu. Select Cluster and then press the **Up/Down** key to select a group. Select **Member** and then press the **OK** key to enter the group call list corresponding to the selected cluster. Press the **Up/Down** key to select needed group call

If the distributor has set a shortcut key for the current group call contact, you can press this key to enter the group call list menu corresponding to the current cluster and then press the **Up/Down** key to select the needed group call contact.

For the answering interphone to have the best volume, it is recommended to keep your mouth about 2.5~5 cm away from the

You can initiate a private call by the following ways. While waiting for the called party to answer the call, the terminal will give a ring-tone

- Use **Contact** or **Call Logs** to initiate a call.
- 1. Press the Menu key to enter the main menu.
- Outgoing/Incoming/Missed call list.
- 3. Press the **Up/Down** key to select the desired private call contact.
- 4. Press the PTT key on the handheld microphone to initiate the call.
- Manually dial up to initiate a call.
- 1. In the standby interface, use the dial-up keypad on the handheld microphone to input the needed private call number.
- 2. Press the Call key or handheld microphone PTT key or the # key to

Rotate the **Group call select** knob to select the contact for a group call.

contact.

Shortcut

Private Call

Initiate a Private Call

- 2. Select **Contacts** > **Contact**, or select **Call Logs** to enter the

• Use the Missed call list to initiate a private call.

A missed private call can be initiated by pressing the Call key or handheld microphone PTT key in the alert interface

Note:

No call can be initiated if the device is not registered or the registration

Answer a Private Call

A ringing alert is given and the LCD icon $\ \ \ \ \$ is shown when the device receives a private call. The call is then established if you press the Answer key or handheld microphone PTT key within a preset time. The LCD icon is shown and an alert tone is given after the call is established successfully. If the call is not answered within the preset time, the missed call icon X is shown.

Terminate a Private Call

If you want to end a call, press the Hook key. Note:

Both the calling and called parties can terminate a private call.

Group Call

Initiate a Group Call

A group call can be initiated by one of the following ways:

• Initiate a call to the preset contact

In the standby interface, press the handheld microphone PTT key to initiate a group call to the group call contact selected by rotating the Group call select knob

- · Initiate a call to a group call contact
- 1. In the standby interface, press the Menu key to enter the main menu and select a cluster. Or press the Group call manage key to enter the cluster list.
- Select Cluster X > Member.
- 3. Press the **Up/Down** key to select the desired group call contact.
- 4. Press the Call key or handheld microphone PTT key to initiate the Manually dial up
- 1. In the standby interface, use the handheld microphone dial-up keypad to input the needed group call number. 2. Press the # key to switch to the group call.
- 3. Press the Call key or handheld microphone PTT key or the # key to

initiate the call.

Terminate a Group Call

Answer a Group Call After the device receives a group call, the call is automatically established without the need of pressing any keys. The LCD icon is shown and an alert tone is given after the call is established successfully.

After a group call is established, a member in the group can access the

Press the **Hook** key to terminate a group call. Note:

Only the calling party can terminate a group call.

Emergency Call



An emergency call has the top priority, yet the device needs to be authorized first to make emergency calls.

You can initiate an emergency call by the following way:

- 1. Input a desired emergency call number
- 2. Press the # button to switch between Private call/Group call. 3. Press the **Emergency Call** key or handheld microphone **PTT** key or the **#** key to initiate an emergency call.

You can also bind a one-button call or a long-press number button to

Device Menu

Cluster

You can view the current cluster information

Call Logs You can view the Outgoing/Incoming/Missed calls, or clear the call logs.

Contacts

Zone

You can view the zone list and switch zones.

You can view the contact list or add a new contact.

You can switch among three work modes: conventional, PDT Trunking,

Accessories You can view and set accessories such as the positioning system.

Settings

Power Level You can set the power level as low or high.

- Radio Settings
- Language: Set the language of the device. Backlight: Can be set to Off, Infinite, and Timer.
- Brightness: Adjust the brightness of the screen
- **LED indication:** Can be set to enable or disable.

You can turn on/off the radio silent, set the tone volume, and set the alert tones for operations including the keypad, private call, group call, and power on/off.

- Alias Display: Two options are Alias and ID.
- Encrypt: You can enable or disable this function. Date: Set the date of the device.
- Time: Set the time of the device.
- Device Info The device information is shown

Learning More

To learn about more information about your PM790, visit the website

For security information, refer to the user manual of PM790.

Caution:

- 1. The device operating temperature range is -20~55℃.
- 2. When you are installing the DIGITAL MOBILE RADIO antenna outside, set up the antenna according to the supplier' srequirements with its Gain within 3.5dBi and keep it at least 1.0 meters away from human body.
- 3. This device is intended for use in occupation/controlled conditions.
- 4. Declaration of Conformity.

Hereby, ZTE TRUNKING TECHNOLOGY CORPORATION declares that this DIGITAL MOBILE RADIO is in compliance with essential requirements and other relevant provisions of Directive 20 14 /53 /EU.

CE

This equipment should be installed and operated with minimum distance 150cm between the radiator your body.

FCC Warning:

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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 70cm between the radiator your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

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