



Quick Start Guide

Digital Vehicle-mounted Radio

Legal Information

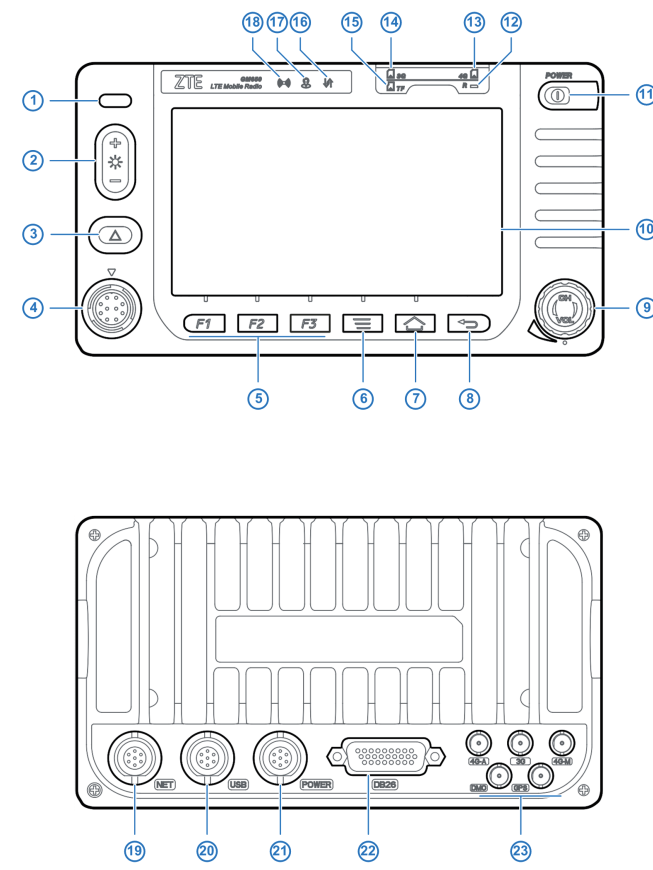
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Get to Know Your Radio

Device Overview



Keys, ports, and Indicators

Table with 3 columns: No., Name, Description. Lists 12 items including Power indicator, Screen brightness key, Emergency call key, Mobile transceiver port, F1~F3 keys, Menu key, Home key, Back key, Volume/Channel selection knob, Touchscreen, Power key, and Power down key.

Table with 3 columns: No., Name, Description. Lists 8 items including 4G SIM card slot, 3G SIM card slot, microSD card slot, Data service indicator, GPS indicator, Wi-Fi indicator, Ethernet ports, USB Ports, Power Ports, DB26 accessory ports, and Antenna ports.

Basic Operations

Power-On/Power-Off/Sleep

- Press and hold the Power key to power on your GM65X.
Press and hold the Power key to show the power-off menu, and select Power off to turn off your GM65X.
Press the Power key to switch your GM65X to sleep mode or wake it up from sleep mode.

Home Screen

Your GM65X shows the home screen (see the following figure) after being started and scans for the network automatically (if a valid SIM card is installed).

After accessing the network, your GM65X enters the standby status and is ready to use.

Press the Home key on any screen to return to the home screen.



Perform one of the following operations on the home screen as needed:

- Tap the current speed-dial group to open the speed-dial group list, and then select a group as needed.
Tap the < or > icon to switch to another speed-dial group.
Press the Volume/Channel selection knob, and rotate the knob to switch to another speed-dial group.
Drag the Status bar to the right to show notifications.
Tap the Contacts, PTT, or Message icon open the corresponding function screen.

Status Icons

Table with 4 columns: Icon, Description, Icon, Description. Lists icons for Bluetooth, Mute, Scanning, Speaking, USB connected, Wi-Fi network signal strength, and Prompt/alarm.

Connect a Mobile Transceiver

Note: You can initiate or answer a voice or video PTT call only after a mobile transceiver is connected to your GM65X.

You can use the mobile transceiver to perform the following operations.

- Browse the function screens on your GM65X and access a function as needed.
Dial a number or enter characters.
Initiate, answer, or end a common voice call.
Initiate a voice or video PTT call.
To provide the above functions, the mobile transceiver has the following keys:
Android function keys: Menu, Home, and Back keys that function the same as the corresponding keys on your GM65X.
Navigation keys and OK key: Up, Down, Left, and Right navigation keys and the OK key.
Voice call function keys: Call/Answer and Hook keys.

Basic PTT Operations

Initiate a Half Duplex PTT Call

You can initiate a half duplex PTT call in one of the following ways:

Keypad on the Mobile Transceiver

- Note: To initiate a private PTT call, enter the number directly. To initiate a group PTT call, press the # key, and then enter the group number. Before initiating a video PTT call, verify that your GM65X is connected to a camera.

- Press the Home key to switch back to the home screen.
Use the keypad on the mobile transceiver to enter a private number or group number.
Press the Side key on the mobile transceiver to switch the call from voice mode to video mode. If there is no calling operation within 5 seconds, the call will be switched back to voice mode.
Press and hold the PTT key on the mobile transceiver, and speak after hearing a beep.
Release the PTT key on the mobile transceiver to release the floor to listen to the other party or become idle.

Keypad on Your GM65X

- Press the Home key to switch back to the home screen.
Tap Contacts > Dial-pad, and enter a private number or group number.
Press the Side key on the mobile transceiver to switch the call from voice mode to video mode. If there is no calling operation within 5 seconds, the call will be switched back to voice mode.
Press and hold the PTT key on the mobile transceiver, and speak after hearing a beep.
Release the PTT key on the mobile transceiver to release the floor to listen to the other party or become idle.

Address Book

- Press the Home key to switch back to the home screen.
Tap Contacts > Contact, and select a contact.
Press the Side key on the mobile transceiver to switch the call from voice mode to video mode. If there is no calling operation within 5 seconds, the call will be switched back to voice mode.
Press and hold the PTT key on the mobile transceiver, and speak after hearing a beep.
Release the PTT key on the mobile transceiver to release the floor to listen to the other party or become idle.

Call Log

- Press the Home key to switch back to the home screen.
Tap Contacts > Call History, and select a contact or number.
Press the Side key on the mobile transceiver to switch the call from voice mode to video mode. If there is no calling operation within 5 seconds, the call will be switched back to voice mode.
Press and hold the PTT key on the mobile transceiver, and speak after hearing a beep.
Release the PTT key on the mobile transceiver to release the floor to listen to the other party or become idle.

PTT Speed-Dial Group

- Press the Home key to switch back to the home screen.
Perform one of the following operations to select a speed-dial group:
Tap the current speed-dial group to open the speed-dial group list, and then select a group as needed.
Tap the < or > icon to switch to another speed-dial group.
Press the Volume/Channel selection knob, and rotate the knob to switch to another speed-dial group.
Press the Side key on the mobile transceiver to switch the call from voice mode to video mode. If there is no calling operation within 5 seconds, the call will be switched back to voice mode.
Press and hold the PTT key on the mobile transceiver, and speak after hearing a beep.
Release the PTT key on the mobile transceiver to release the floor to listen to the other party or become idle.

Answer a Half Duplex PTT Call

Your GM65X emits a short beep when it receives a PTT call. You can hear the other party without any operation. After the other party releases the floor, you can press and hold the PTT key on the mobile transceiver and speak after hearing a beep. After releasing the PTT key on the mobile transceiver to release the floor, you can continue to hear the other party or become idle.

End a Half Duplex PTT Call

- During a private call, tap the icon.
During a group call, the calling party can tap the icon to end the group call.
Note: For the permissions of ending a PTT call, contact your network operator.

Options in a PTT Call

Record Sound

During a voice or video PTT call, tap the icon to record the call.

Take a Snapshot

During a video PTT call, tap the icon to take a snapshot of the screen.

Initiate a PTT Emergency Call

Note: The PTT emergency calls have the highest priority. Before initiating an emergency call, you need to be authorized with the emergency call permission and input an emergency call number in the PTT settings.

Perform the following operations to initiate an emergency call:

- On the home screen, tap PTT > PTT Setup > Emergency call, set the Call types and Emergency number. The Call types can be set to Group voice call, Duplex voice call, or Duplex video call. The Emergency number can be set only after the call type is selected.
Press the Emergency call key to call the preset emergency number.

PTT Scanning

If the PTT scanning function is enabled, your GM65X can receive calls from the scanned groups only.

Set the PTT Scanning Function

- Press the Home key to switch back to the home screen.
Tap PTT > PTT Setup > Scan function.
Select Disable scan, Scan all, or Scan partly. If Scan all is selected, you can receive calls from all groups.

Update PTT Groups

- Press the Home key to switch back to the home screen.
Tap PTT > Group.
Pull down and then release the list.

PTT Settings

- Press the Home key to switch back to the home screen.
Tap PTT > PTT Setup.

You can make the following PTT settings.

Cluster

Activate or deactivate the PTT function. A PTT call can be connected only after the PTT function is activated.

Scan function

Set the group scanning function to Disable scan, Scan all, or Scan partly. If Scan all is selected, you can receive calls from all groups.

Emergency call

Set the Call types and Emergency number.

Call types: set the emergency call to Group voice call, Duplex voice call, or Duplex video call.

Emergency number: can be set only after the call type is selected.

Video Quality

Set the video quality to Smooth, Normal or High.

Switch to DMO

The GM65Xs in DMO mode can be connected directly without accessing eNodeBs.

More settings

Set the Group name.

Version Info

Check the software version of your GM65X.

SAR

The maximum SAR of your GM65X is 0.174 W/Kg, complying with the GB21288-2007 standard , EN 50385.

Learn More

To learn about more information about your GM65X, visit the website http://www.caltra.com.cn.

RF Specifications

Table with 3 columns: Item, Specification. Lists System (FDD-LTE, WCDMA/GSM), Frequency (LTE bands), and Maximum Tx power (LTE, WCDMA, GSM, DMO).

Auxiliary Equipments

Table with 3 columns: Name, Manufacturer, Model No. Lists DMO Antenna, WCDMA/LTE Antenna, GNSS Antenna, Hand Microphone, and Power Cable.

Frequency Ranges

The authorized to set up the permitted frequency ranges for marketing in the specific EU country:

Table with 4 columns: Country, Frequency Range (MHz), Max. transmit power (W). Lists frequency ranges for Germany, France, UK, Italy, Greece, Spain, Ireland, Belgium, Croatia, Portugal, Malta, Luxembourg, Bulgaria, Latvia, Slovenia, Czech Republic, Denmark, and Estonia.

Table with 4 columns: Country, Frequency Range (MHz), Max. transmit power (W). Lists frequency ranges for Lithuania, Hungary, Netherlands, Austria, Poland, Romania, Slovakia, Finland, and Sweden.

Cautions

- The product shall only be connected to a USB port of version USB2.0.
The device operating temperature range is -30°C ~+60°C.
The device complies with RF specifications when the device is used at 40mm from your body.

Declaration of Conformity

Hereby, ZTE CORPORATION declares that this GM65X product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU. This product is allowed to be used in all EU member states.



Toxic or Hazardous Substances or Elements

Table with 2 columns: Parts, Toxic or Hazardous Substances or Elements (Pb, Hg, Cd, Cr(VI), PBB, PBDE). Lists LCD, Mainboard, Shell, and Accessories.

: Indicates that the toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363-2006.
x : Indicates that the toxic or hazardous substance contained in at least one of the homogeneous materials for this part is above the limit requirement in SJ/T11363-2006.

- Information about the substances contained in the product manufactured by ZTE CORPORATION should be continuously updated with the technology development.
x marked on this product indicates that there are currently no alternative technologies or components. The product manufactured by ZTE CORPORATION is in compliance with the "Administration on the Control of Pollution Caused by Electronic Information Products" published by People's Republic of China.
ZTE CORPORATION reserves the final rights of explanation of the parts included in this table.

The symbol on the right side shows the Environment Friendly Use Period (EFUP) of this product. Some replaceable parts may have a different EFUP label attached to it, such as the battery unit. This EFUP is valid only under the operating conditions listed in the operation manual of the product.



Manufacturer Address

ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong Province 518057, P.R.China