

ZTE

GH880

QUICK REFERENCE GUIDE

LTE Trunking Radio

Use This Manual

Thank you for choosing ZTE LTE trunking portable radio. To keep your radio in optimum condition, please read this reference carefully.

Reading instructions

This reference guide serves as a quick guide for users, which only covers radio's trunking and common functions

Legal Information

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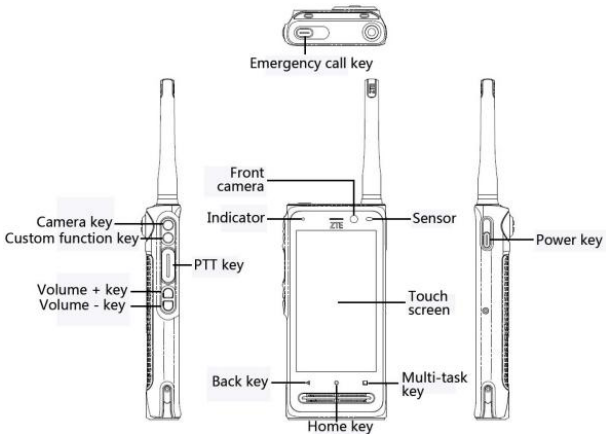
Infringement must be investigated.

We will make timely improvements to typographical errors in this manual and discrepancies with the latest information. These changes will not be notified in advance, and will be included in the new version of the document. ZTE Corporation reserves the right of final interpretation.

All pictures, statements and text information in this manual are for reference only, please refer to the actual product.

Getting to Know Your Radio

Radio Overview



Key Description

Name	Function
Power key	Long press to open the option menu when the radio is on. You can turn off radio, restart radio, and turn on / off airplane mode via the menu. Long press to power on when the radio is off; Short press to screen off when the screen is on; Short press to screen on when the screen is off.
Multi-task key	Short press to show recently running programs.
Home key	At any interface, short press Home key to return to the standby interface.
Back key	Short press to return to the previous interface.
Camera key	At non-camera interface, short press to switch to video PTT call; long press to open camera. At camera interface, short press to take photo. At video-call interface, short press to capture current video.
PTT key	Press PTT key to start PTT call in standby mode. During a PTT call, press PTT key to apply floor, and release PTT key to release floor. During a DMO call, press PTT key to apply floor, and release PTT key to release floor.
Volume + key / Volume - key	Adjust ring volume of incoming call in standby mode. Adjust call volume during the call. Adjust media volume when playing multimedia. Select number or entry in PTT mode and others. Man-Down alarm triggered, press Volume + Key and Volume - Key together to stop alarm.

Name	Function
Emergency call key	Short press to initiate PTT emergency call (dial default if not configured) , only available in non-DMO mode
Custom function key	User can define Long Press and Short Press as: video dispatch, voice PTT, SMS, switch DMO, dial, one-click send picture (short press), one-click send video (long press)

Basic Use


Power on / Power off





Long press Power key until the startup picture appears on the screen to power on.

Long press Power key and select "Shutdown" to power off.

Main Indicator Icons

Different icons are displayed on LCD, the meaning is as follows.

Icon	Description	Icon	Description
	Private LTE network in use		PTT not registered
	MDS register success		MDS register failure
	Private LTE network		Group update success
	Public 4G network in use		Public 3G network in use
	Public 2G network in use		No public net SIM card
	No private net SIM card		Switch to video PTT call
	Private network SMS		PTT call in progress
	GPS Positioning		Mobile hotspot enabled
	Wi-Fi connected		Bluetooth enabled
	Synchronizing data		Airplane mode
	Mute mode		Vibration mode
	Battery is full		Battery is running out
	Battery charging		Battery is low
	New email		Public network SMS
	Missed call on public net		Storage is full
	Missed call on private net		USB connected
	Call in progress		Alarm clock is set

Icon	Description	Icon	Description
	Earphone inserted		Enter DMO mode
	Enter fall-back mode		Background recording

LED Indicators



No.	Radio indicators under different events
1	The red light is on when radio battery is low (below 15%). The red light will turn off when screen is on, and will flash when screen is off.
2	The red light is always on when charging. The light turns green when the battery is fully charged and the charging cable is still connected, and the light is off when the charging cable is unplugged.
3	The green light flashes when there is a missed event notification and the screen is off. In this case, the light turns off when the screen is on, and the green light flashes again if there are unread missed event notifications after the screen is off.
4	During PTT call, "speaking" status is reflected with red light, and "listening" status is reflected with green light.
5	During DMO call, "speaking" status is reflected with red light, and "listening" status is reflected with green light.
6	Multiple statuses are displayed at the same time when the indicator is used simultaneously.

Common Operations on Public Network


Make a Call

On the home page, click Dial , click  to enter phone number, or select a number in contact list and click to make call.





Answer a Call

When a call comes in, long press  and swipe down to answer, or long press  and swipe up to reject

End a Call

During a call, you can click Hang up  to end the call.

Send a SMS / MMS

- On the home page, click SMS  icon to open SMS function.
- Click  icon in the lower right corner of the screen.
- Enter the recipient number in the Recipient, or select recipient by clicking the Contacts icon on the right.
- Click Enter message and enter message content; or click  icon in the upper right corner to insert attachment and convert to MMS.
- Click  icon to send message.



Note:




After adding theme, attachment, SMS will be converted into MMS. Similarly, MMS will

be converted to SMS after deleting theme and attachment.

Common PTT Operations

Make a PTT Call

Use Keypad to Make Call



1. At any interface, press Home key to return to home page.
2. Press Dial > Dial.
3. Click  to display keypad, and enter the number to be dialed.
4. Click  or  to initiate a full-duplex voice or video private call to the entered number, or directly press PTT key after entering number to initiate a half-duplex voice private call.
5. Enter "# + System Group Number".
6. Press PTT key to initiate voice group call to entered number. Also press Camera key first, then press PTT key to initiate video group call within 5 seconds.






Note:

This radio does not support half-duplex video private call.

Use Contacts to Make Call

1. At any interface, press Home key to return to home page.
2. Press Dial > Contacts.
3. Select called number with Volume + key / Volume - key.
4. Click  or  to initiate a full-duplex voice or video private call, or directly press PTT key to initiate a half-duplex voice private call.
5. Press Home key to return home page, press PTT > Group.
6. Select called group with Volume + key / Volume - key.
7. Press PTT key to initiate voice group call to entered number. Also press Camera key first, and then press PTT key to initiate video group call within 5 seconds.

Use call History to Make call

1. At any interface, press Home key to return to home page.
2. Press Dial > Dial.
3. If keypad is open, click  to close.
4. Select called number with Volume + key / Volume - key.
5. Click  or  to initiate a full-duplex voice or video private call, or directly press PTT key to initiate a half-duplex voice private call.





Note:

This radio only supports saving private call records.



Use fast dial group to Make Call

1. At any interface, press Home key to return to home page.
2. Click fast dial group to select required group.
3. Press PTT key to initiate voice group call. Also press Camera key first, and press PTT key to initiate video group call within 5 seconds.



4. For half-duplex call, press and hold PTT key to apply floor. Speak after  is displayed.

5. Release PTT key to release floor, can hear others speaking or return to idle state.  is displayed when idle.

Answer a PTT Call

- When receiving half-duplex private or group call, first hear a short beep and then others speaking without any action. After others finish speaking, press & hold PTT key and speak after  is displayed. Release PTT key to release floor, can hear others speaking or return to idle state.
- When receiving full-duplex call, caller ID is displayed, and radio will ring / vibrate (depending on mode and settings). At prompt interface, click  to answer full-duplex call.

End a PTT Call

- During a private call, click  to end the call.
- During a group call, click Exit Call to end the call
- During a group call, click  to end the call.




Note:

Consult your network operator for permission to end PTT call.


PTT Call Additional Services

Voice Recording

Click  to record voice during a PTT voice call.

Snap Shot


During PTT video call, use Camera key to capture video image. If radio is in "idle" or "speaking" state, the local video image will be captured. If radio is in "listening" state, the local and remote video images will be captured (remote end is speaker).

During PTT full-duplex video call, you can also capture video image by clicking  .


Video Recording

Click  to record video during a PTT video call.



Switch Cameras

Click  to switch front and rear camera during a PTT video call.

MIC Mute

Click  to silence local MIC during a PTT voice or video call.

Switch Sound Components

During PTT voice or video call, click  to switch from speaker to earphone, and click  to switch from earphone to speaker.

PTT Emergency Call

PTT emergency call has the highest priority.

1. On home page, click PTT Call> PTT Settings> Emergency Call, to set emergency call type, emergency call number.
- Emergency call type can be set to voice group call, full-duplex voice private call,

full-duplex video private call.

- Emergency call number is issued by System as default. You can also set the number manually.
2. Press Emergency call key to initiate emergency call to preset number.



Note:

Before initiating emergency call, the called number should have emergency call right.

PTT Group Update

At any interface, press Home key to return to PTT home page. Click PTT Call > Group, swipe down and PTT group will be updated.

PTT Settings

1. On home page, click PTT Call > PTT Settings.
2. You can make the following PTT settings:

PTT service: Turn on or off PTT service. If PTT service is on, you can make PTT call; if PTT service is off, you cannot make PTT call.

Scan service: Set group scan service. It can be set as "Scan is off", "Scan all groups", or "Scan some groups". You can only receive scanned group call.

Emergency call: Set Emergency call type and number. The Emergency call type can be set to voice group call, full-duplex voice private call or full-duplex video private call.

Call forwarding: Enable or disable call forwarding. If enabled, you can forward private call to another radio.

Man-down alarm: Turn on or off man-down alarm. You can also set alarm triggering duration and alarm mode. If turned on, when radio is placed close to horizontal, it will automatically alarm after triggering duration.

VOX service: Turn VOX service on or off. Can also set the external MIC and built-in MIC gain levels ranging from 1 to 5.

Reverse mute: Turn on or off Reverse mute. If turned on, when radio receives call and rings, reverse radio (flip 180°) to mute it.

Video quality: Set video call quality. It can be set to Smooth, Standard or HD. Also can be set to enable autofocus.




DMO mode: After switching to DMO mode, two or more radios can speak directly to each other without base station.

Shortcut setting: Set quick launch for frequently used APPs. Short or long press Custom function key to quick launch specified APP.

Other settings: Fleet name, Storage path and APN access point can be configured.

Version information: View software version information.

Send PTT SMS / Status message

1. On home page, click  to enter the short message interface.
2. Click + New SMS at the bottom of screen.
3. Enter number in Recipient field. Also click  on the right to select recipient from contacts or groups.
4. Click Write SMS and enter SMS content, or click  Write Status Message and

enter status message content.


5. Click **Send** to send message.



Note:

Status message ranges from 32768 to 65535.

Common MDS Operations




On home page, click Multimedia Dispatch System (MDS) to enter MDS  interface.

Radio Video Push





Video Push to Dispatcher

At MDS interface, select  and click  to push video to dispatcher.

Push Video to user or group

At MDS interface, click  or  to enter user or group selection interface, select the user or group to be pushed to, or click  on the main interface to enter the number to be pushed. Click  to push video.

Radio Video Pull


At MDS interface, click  or  to enter user selection interface, select the user to be pulled, or click  on the main interface to enter the number to be pulled. Click  to push video.

MDS Additional Services


MIC Mute

Click  to silence local MIC during multimedia dispatch.



Snap shot

During multimedia dispatch, capture video image by clicking .

Switch Cameras


Click  to switch front and rear camera during multimedia dispatch.

Send MDS SMS


1. At MDS interface, click  to enter SMS interface.
2. Click  at the bottom of screen.
3. Enter number in Recipient field. Also click Contacts icon on the right to select recipient.
4. Click in the content field and enter the message content.
5. Click Send icon to send short message.



Note:

Click  on the left to choose to send picture, file or take photo.

MDS Settings

On the main page of MDS, click  in the upper right corner and select Settings from pop-up menu to enter MDS settings interface. You can view and modify MDS server settings, SMS / MMS server settings, local settings, GPS positioning settings, and so on.



Note:

When MDS is opened for the first time, a configuration wizard will be prompted. Registration can only be completed after filling in correct configuration. You can also view and modify configuration at MDS settings interface.