

# F870E

## User Manual

ZTE CORPORATION  
ZTE Plaza, Keji Road South,  
Hi-Tech Industrial Park,  
Nanshan District, Shenzhen,  
P. R. China  
518057  
Tel: (86) 755 26779999  
URL: <http://www.zte.com.cn>  
E-mail: [mobile@zte.com.cn](mailto:mobile@zte.com.cn)

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# Contents



# Chapter 1

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## For Your Safety

### **General Care**

Your handset contains delicate electronic circuitry, magnets and battery systems. You should treat it with care and give particular attention to the following points:

- Do not allow the handset, battery or accessories to come into contact with liquids or moisture at any time. Do not immerse the handset in any liquid.
- Do not place the handset alongside computer disks, credit cards, travel cards and other magnetic media. The information contained on disks or cards may be affected by the handset.
- Do not paint the handset.
- Do not leave the handset or the battery in places where the temperature could exceed 60°C, e.g. on a car dashboard or a windowsill, behind glass in direct sunlight, etc.
- Do not remove the handset's battery while the handset is switched on.
- Take care not to allow metal objects, such as coins or key rings to contact or short-circuit the battery terminals.
- Do not dispose of battery in a fire. The handset's Li-ION batteries may be safely disposed of at a Li-ION recycling point. Follow local requirements for recycling.
- Do not put the handset's battery in your mouth, as battery electrolytes may be poisonous if swallowed.
- Do not attempt to dismantle the handset or any of its accessories.
- Do not put a battery into a microwave oven, dryer, or high-pressure container.
- Do not contact battery directly to an electric outlet or cigarette lighter charger. Use only approved charger units.
- Do not pierce battery with a sharp object such as a needle.
- Do not disassemble or modify the battery.
- Do not use a damaged or deformed battery.
- Do not drop, throw, or subject the handset to rough treatment.
- Do not solder the battery directly.
- Stop using the battery if abnormal heat, odor, discoloration, deformation, or abnormal condition is detected during use, charge, or storage.
- Remove the battery whose life cycle has expired from equipment immediately.
- This equipment is fitted with an internal battery. Take it to a qualified service engineer when the replacement of the battery is required.
- The earpiece may become warm during normal use. Also, the handset itself may become warm while the battery is being charged.
- When a handset is in vibration mode, the vibration can sometimes cause the handset to move.
- Be careful not to place the handset near heat sources (such as a heater) or too close to the edge of the table.
- Power off your phone before you clean it. Use a damp or anti-static cloth to clean the handset. Do not use an ordinary dry cloth or electrostatic cloth. Do not use chemical or abrasive cleaners as these could damage the casing.

- Remember to make backup copies of all important data on your handset.
- Remember to recycle: the cardboard packing supplied with this handset is ideal for recycling.

**Warning:**

**In the unlikely event of a battery leak, take care to keep the battery discharge away from your eyes or skin. If the leakage does come into contact with the eyes or skin, please flush thoroughly in clean water and consult with a doctor.**

## ***Aircraft Safety***

- Power off your phone before the airplane takes off. In order to protect airplane's communication system from interference, it is prohibited to use mobile phone in flight. If you want to use mobile phone before the airplane takes off, you should get aircrew's permission according to safety regulations.
- If the mobile phone has the function of automatic timing power-on, please check your alarm setting to ensure that your phone will not be automatically powered on during the flight.

## ***Hospital Safety***

- Power off your phone and remove the battery in areas where the use of handsets is prohibited.
- Follow the instructions given by the respective medical facility regarding the use of handsets on their premises.

## ***General Guidelines***

- In some countries, national law prohibits private copying of copyrighted material. Please check the national legislation of the applicable country concerning the use of such material.
- Many jurisdictions have laws and regulations about taking pictures in public or private areas and regarding the processing and further use of such pictures. The manufacturer encourages its customers to obey all laws and to respect the personal rights of others.
- Please check roaming agreement availability with your service provider.
- The use of mobile phones is not allowed in some radiation sensitive areas, such as hospitals, research centers and airplanes. The user is responsible to power-off the device. If there is any uncertainty, you should remove the battery from the handset.
- Observe any signs that indicate powering off handsets, such as those near gas stations, or explosives, and power off the handset/device immediately.
- If you have a heart condition, be careful with the settings of call vibration or tone volume.
- Do not allow children to play with the handset, charger or batteries.
- Do not use the handset where blasting is in progress.
- Do not try to make a call or conversation while the temperature of charging battery is above 50°C.
- Take care not to put your handset in the back pocket of your trousers or skirt and then sit on it. Also, do not put your phone at the bottom of bag where it may subject to excessive weight or pressure. Doing so may damage the LCD and camera lens and cause them malfunction.
- The operation of some medical electronic devices, such as hearing aids and pacemakers, may be affected if a handset is used next to them. Observe any caution signs and the manufacturer's recommendations.
- Do not leave the handset discharged or without a battery for a long time, otherwise some data may be erased.

- Your phone contains metal, which may cause you an itch, a rash or eczema depending on your physical condition.

## ***Road Safety***

- You must exercise proper control of your vehicle at all times. Give your full attention to driving.
- Observe all of the recommendations contained in your local traffic safety documentation.
- Pull off the road and park before making or answering a call, if driving conditions require so. Check if local laws and/or regulations restrict the use of handsets while driving.
- You **MUST NOT** stop on the hard shoulder of a motorway to answer or make a call, except in an emergency.
- Power off your handset at a refueling point, such as a gas station, even if you are not refueling your own car.
- Do not store or carry flammable or explosive materials in the same compartment as the handset.
- Electronic systems in vehicle, such as anti-lock brakes, speed control and fuel injection systems are not normally affected by radio transmissions. The manufacturer of such equipment can advise if it is adequately shielded from radio transmissions. If you suspect vehicle problems caused by radio transmissions, consult your dealer and do not power on the handset until it has been checked by a qualified technician.

## ***Vehicles Equipped with an Airbag***

An airbag inflates with great force. Do not place objects, including either installed or portable wireless equipment, in the area over the airbag or in the airbag deployment area. If in-vehicle wireless equipment is improperly installed and the airbag inflates, serious injury could result.

## ***Third Party Equipment***

The use of third party equipment or accessories, not made or authorized by ZTE, may invalidate the warranty of your handset and also adversely affect the phone's safety/operation.

## ***Radio Frequency (RF) Energy***

Your handset is a low-power radio transmitter and receiver. When powered on, it intermittently receives and transmits radio frequency (RF) energy (radio waves). The transmit power level is optimized for the best performance, and automatically reduces in the areas with better reception.

### **Exposure to radio frequency energy**

Radio wave exposure and Specific Absorption Rate (SAR) information:



- The handset is designed to comply with safety requirements for exposure to radio waves. This requirement is based on scientific guidelines that include safety margins designed to assure the safety of all persons, regardless of age and health.
- The radio wave exposure guidelines employ a unit of measurement known as the Specific Absorption Rate, or SAR. Tests for SAR are conducted using a standardized method with the phone transmitting at its highest certified power level in all used frequency bands.
- While there may be differences between the SAR levels of various ZTE phone models, they are all designed to meet the relevant guidelines for exposure to radio waves.

- The SAR limit recommended by the International Commission on Non-Ionizing Radiation Protection (ICNIRP), is 2.0 W/kg averaged over ten (10) grams of tissue.
- The highest SAR value for this model phone tested for use at the ear is W/kg (10g).

## ***Emergency Services***

To make an emergency call in any country:

1. Ensure that your handset is on and in service.
2. Press **End Key** as many times as needed to clear the display and ready the device for calls.
3. Enter the official emergency number for your present location, for example, 112 (the international emergency number).
4. Press **Send Key** to dial the number. Follow instructions received and do not end the call until told to do so.

When the (U)SIM card is not inserted, tap **SOS** and then enter the official emergency number for your present location. Press **Send Key** or tap  to dial the number. Or you can tap  to power on the phone, and then make the emergency call like any other ordinary call.



### **Notes:**

- **Tell the operator which service you require: Police, Ambulance, Fire Brigade, Coastguard or Mountain Rescue Service. Tell them where you are and remain stationary to maintain contact if possible.**
- **Due to the nature of the cellular system, the connection of emergency calls cannot be guaranteed. You should never rely solely on any wireless device for essential communications like medical emergencies.**

## ***Information on Privacy***

Camera usage and photo/audio/video recordings carried out with the handset can offend the confidentiality of the subjects. The user therefore is held to respect legislation in confidentiality matter and remains the only responsible subject in case of eventual violations of the enforced norm.

## ***Copyright Notice***

The video/audio recordings you make/download are protected by copyright laws. They are for personal use only and must not be otherwise used without the permission of the copyright owner.



# Chapter 2

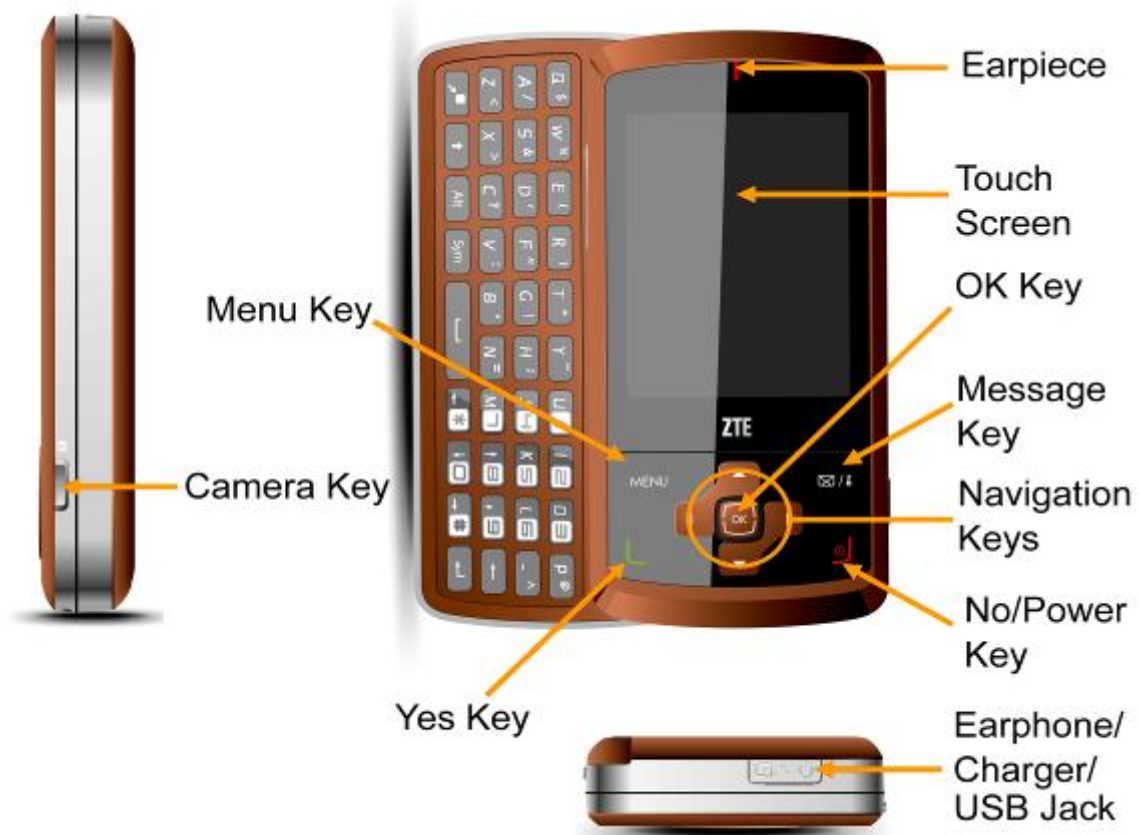
## Getting Started

### Overview

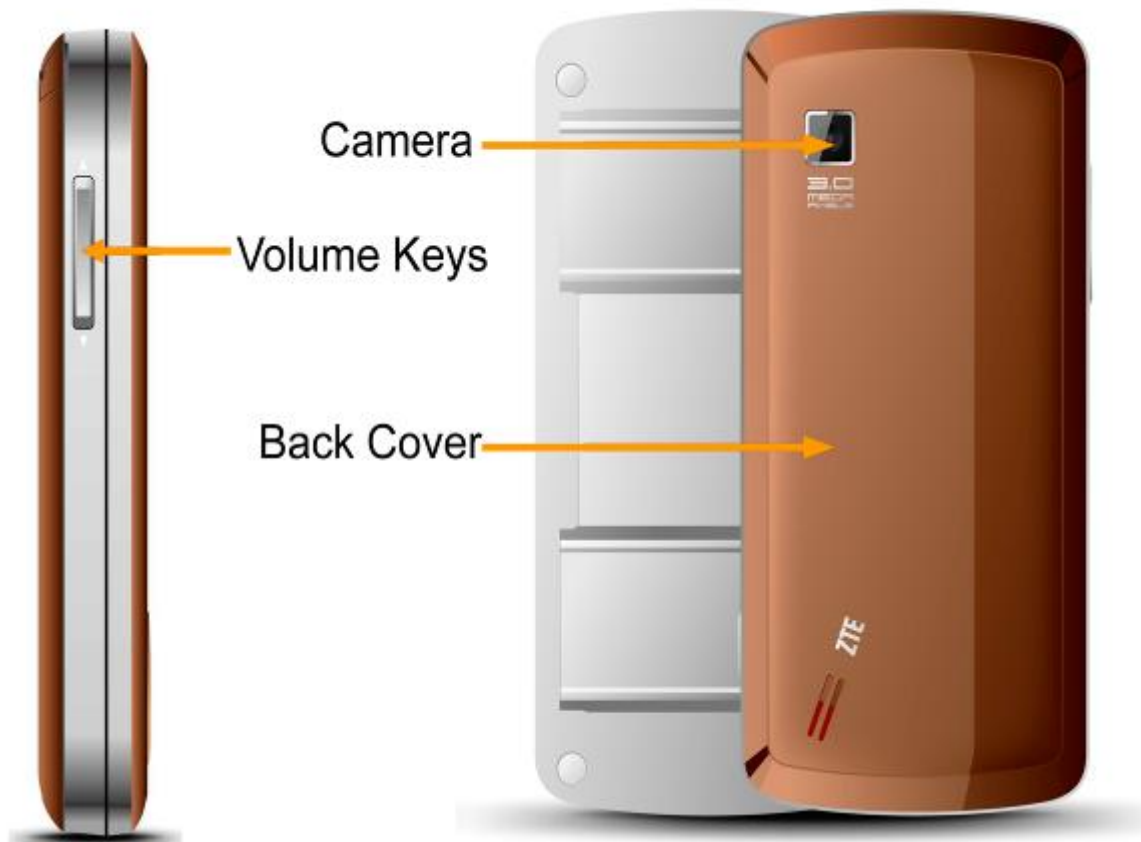
Thank you for purchasing F870E GSM/GPRS Mobile Phone.

You F870E mobile phone operates in Global System for Mobile Communications (GSM) or 2G, and General Packet Radio Service (GPRS) or 2.5G networks and achieves seamless handover between these networks. Empowered by the modern technology, F870E helps you realize high speed connectivity on the go. In addition, the touchscreen design and accelerometer make F870E a phone easy to maneuver and ideal for enjoying multimedia entertainment.

### Front View



### Back View



### Key Definition

<p><b>Menu Key</b></p> <ul style="list-style-type: none"> <li>• Shortcut to the main menu.</li> <li>• Hold to lock the screen.</li> </ul>
<p><b>Message Key</b></p> <ul style="list-style-type: none"> <li>• Shortcut to SMS in idle mode.</li> </ul>
<p><b>Yes Key</b></p> <ul style="list-style-type: none"> <li>• Press to make or answer calls.</li> <li>• In idle mode: Press to enter dial interface.</li> </ul>
<p><b>No/Power Key</b></p> <ul style="list-style-type: none"> <li>• Press to end a call.</li> <li>• Press to reject an incoming call.</li> <li>• Hold to turn the phone on/off.</li> <li>• Press to return to idle mode.</li> </ul>
<p><b>Navigation Keys</b></p> <p><b>Up Key</b></p>

- Scroll up.
- Shortcut to **Messenger** in idle mode.

**Down Key**

- Scroll down.
- Shortcut to **All contacts** in idle mode.

**Left Key**

- Roll the cursor left.
- Shortcut to Vodafone MTV Music website.

**Right Key**

- Roll the cursor right.
- Shortcut to Vodafone Pass MTV website.

**OK Key** — Confirm selections.

**Volume Keys**

- Adjust the earpiece volume during a call.
- Adjust the volume when playing audio or video.
- Mute the ringtone.

**Camera Key**

- Take photos and videos.
- Hold to activate the camera and take a photo in idle mode.

## Starting Up

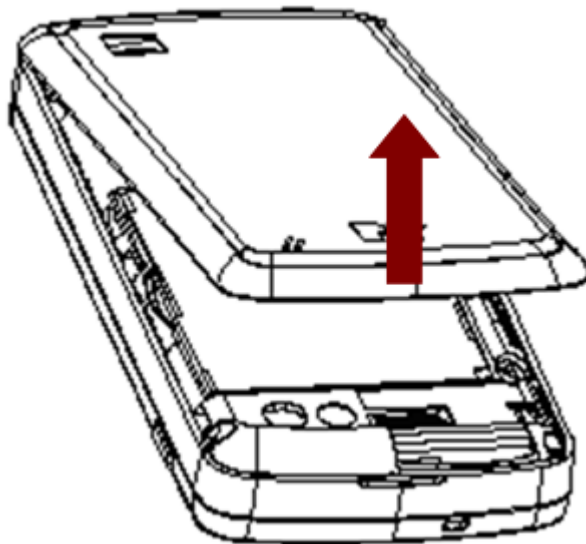
### Installing the (U)SIM Card

You can obtain a (U)SIM card from a mobile communication service provider when you sign on as a subscriber.

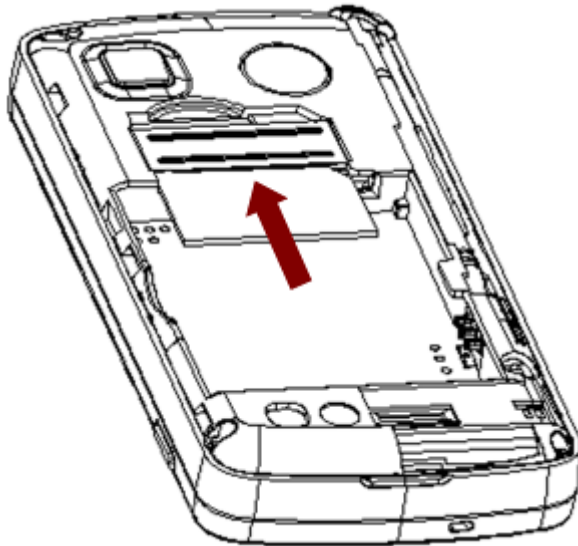
1. Press and hold **End Key** to power off the phone.
2. Remove the back cover of the phone.
  - i. User one fingernail to hook the bottom right corner of the back cover, as shown in the following picture.



ii. Lift the cover up, from the bottom of the phone to the top.



3. Remove the battery. See *Getting Started-Starting Up-Removing the battery*.
4. Insert the (U)SIM card into the card holder with its metal contacts facing the phone, as shown in the following picture.

**Notes:**

- ▶ A (U)SIM card can be easily damaged if its metal contacts become scratched. Therefore, take special care when holding or inserting it.
- ▶ Disconnect the charger and other accessories from the phone before inserting or removing the (U)SIM card.
- ▶ When inserting the (U)SIM card, make sure that the metal contacts face to the phone and the cut corner is at the top left, as shown on your phone.

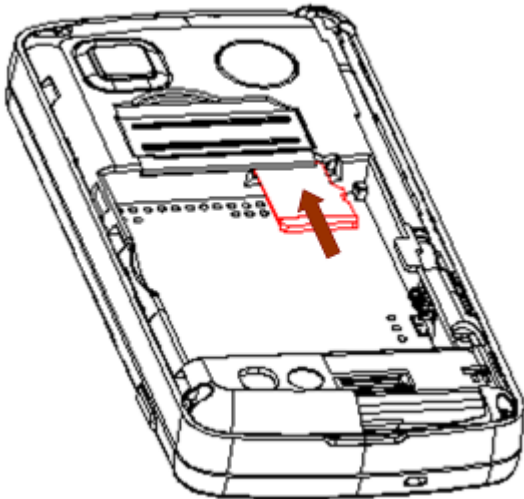
## Inserting the Memory Card

The memory card gives your phone a larger memory capacity. You can save more multimedia files and use it to store any other files.

**Notes:**

**Your phone can support a memory card with capacity up to 8GB.**

1. Power off the phone and remove its back cover and battery. See *Getting Started-Starting Up-Installing the (U)SIM card*.
2. Hold the memory card by the edges and carefully insert it into the memory card slot with the cut edge oriented as shown in the picture.

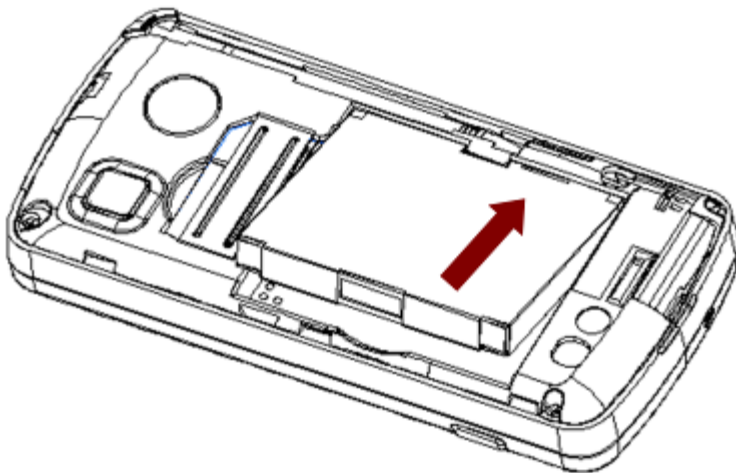


3. Push the card until it clicks into position.

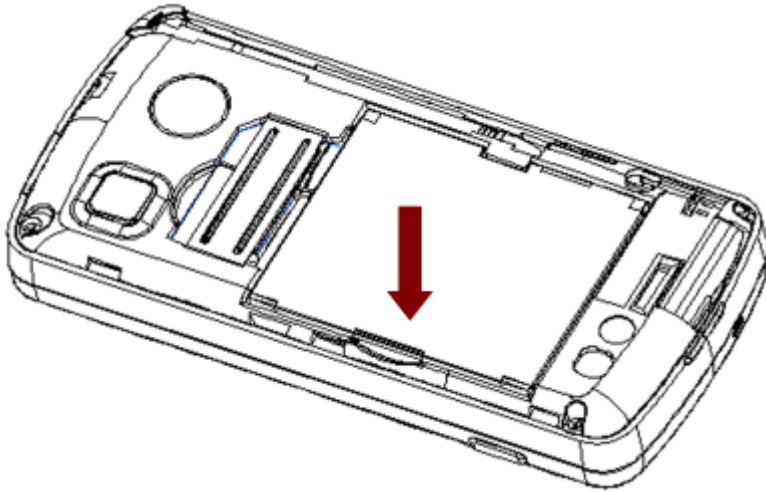
### Installing the Battery

The in-box lithium ion battery can be immediately used after unpacking. A new battery will have the best performance after 3 full charge/discharge cycles.

1. Power off the phone and remove the back cover. See *Getting Started-Starting Up-Installing the (U)SIM card*.
2. Insert the battery with the contacts located against the gold springs.



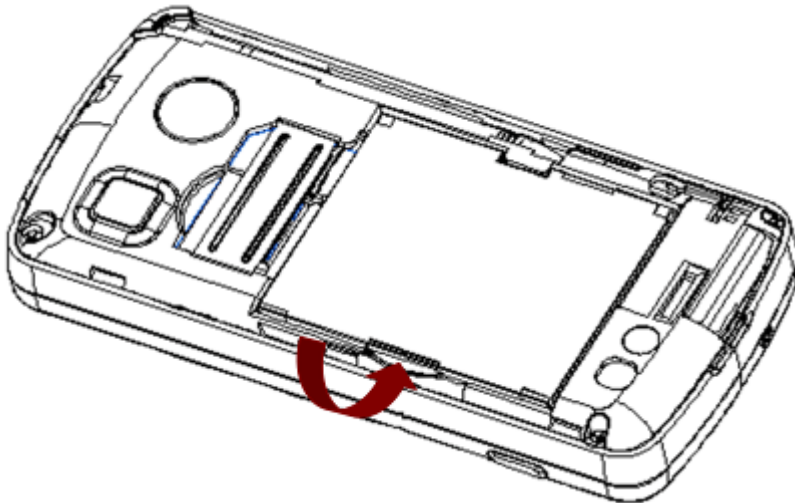
3. Push down the battery until it clicks into place.

**Notes:**

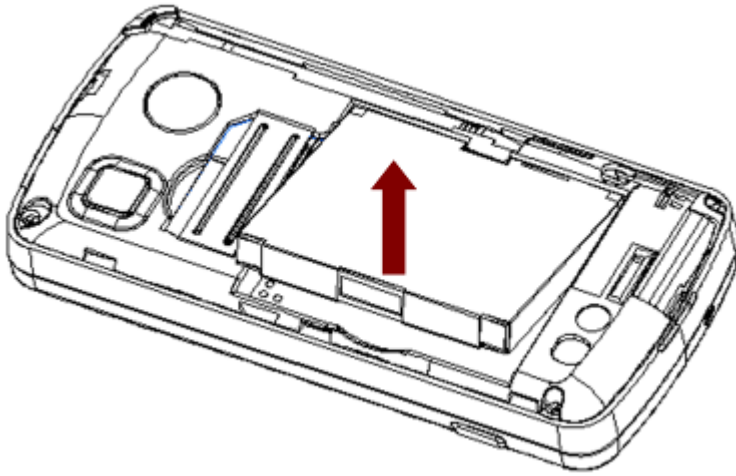
- ▶ The phone automatically switches off if the battery voltage is too low.
- ▶ When not using the battery for a long period, remove it from the phone and store it in a cool dry place.

**Removing the Battery**

1. Make sure the phone is powered off.
2. Use a fingernail to hook the edge of the battery, as shown in the picture.



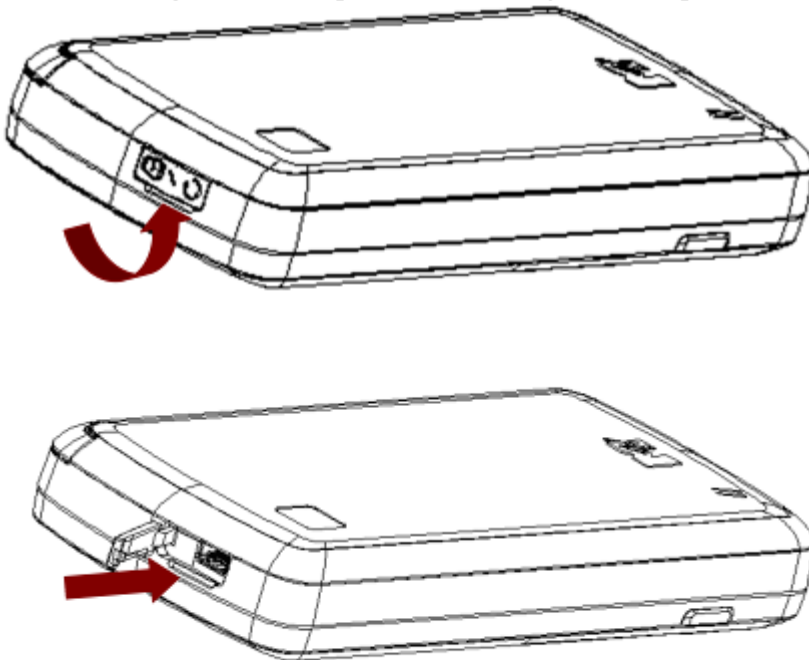
3. Lift the battery up to remove it.



## Charging the Battery

Your phone is powered by a rechargeable battery. The battery is not fully charged when unpacked, but there may be enough power to power your phone on. Please use up the power completely before recharging the battery for the first time.

1. Insert the charger's USB adapter into the USB jack of the phone. See the following picture.



2. Connect the charger to a standard AC wall outlet.
3. Remove the charger from both the wall outlet and the phone once the charging is completed.



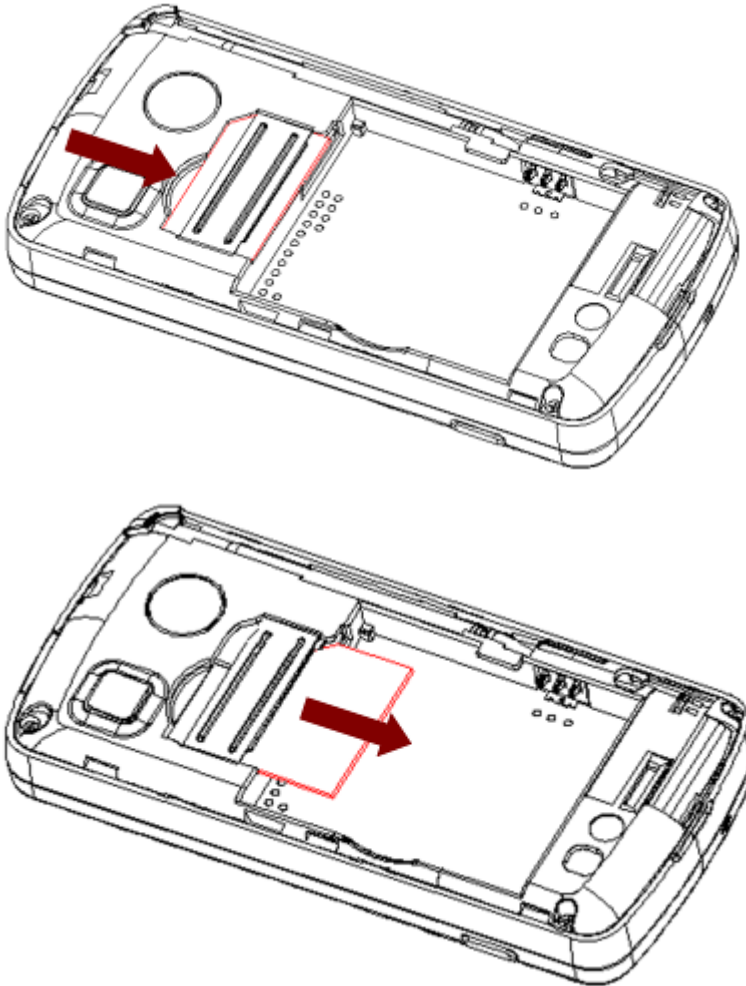
### Caution:

- ▶ Charging is only possible within the temperature range of 0°C to 45°C.
- ▶ It takes 2~3 hours to fully charge the battery.



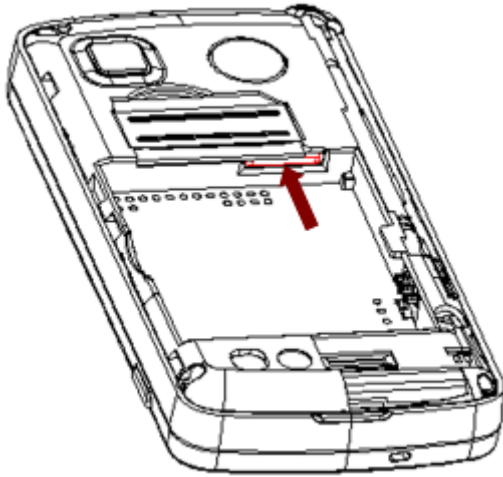
## Removing the (U)SIM Card

1. Press and hold **End Key** to power off the phone.
2. Remove the back cover and the battery. See *Getting Started-Starting Up-Installing the (U)SIM card*.
3. Slide the (U)SIM card out of the card holder, as shown in the following picture.

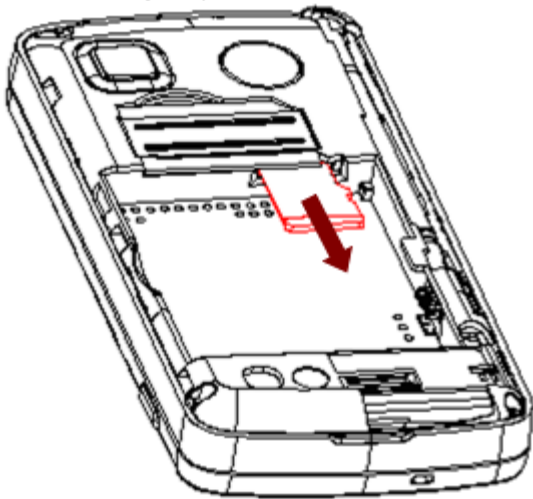


## Removing the Memory Card

1. Make sure the phone is powered off and remove the back cover and the battery.
2. Push the card, as shown in the following picture, so it clicks out.



3. Slide down gently and remove the card from the slot.

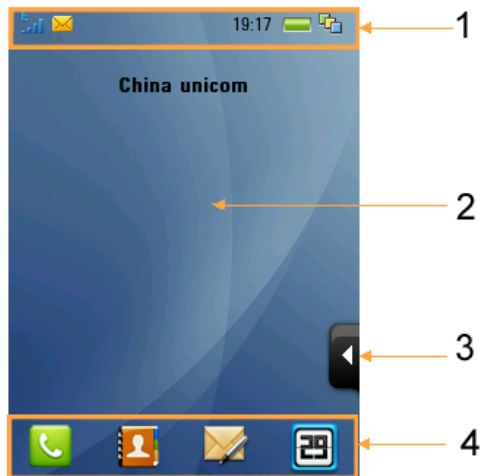


## Accessing the Memory Card on the Phone


1. Press **Menu Key** in standby mode to open the main menu.
2. Tap **File manager**.
3. From the **File manager** interface, tap the left drop-down menu and select **Tflash card** to access the contents on your memory card.

## Standby Mode

When the phone is ready for use after starting up and you have not pressed any button or tapped the screen, the phone is in standby mode.



1. Indicators and icons
2. Desktop with customizable wallpaper
3. Tab for widgets
4. shortcut icons to All contacts, designated music/tv websites and SMS

Click on the  icon to open/close the widget tab. By default, there are 6 widgets on the tab.

- Audio player
- FM radio
- Clock and alarm
- Network status
- Photo player
- Calendar












You can drag and drop these widgets from the tab to any place on the desktop or drag them back to the tab. Tapping on the widgets you have drop to the desktop will open more options.

For example, you can drag and drop the Clock and alarm widget to the desktop. Tapping on the widget will show the alarm in effect, as shown in the following picture:



**Indicators and Icons**

	Signal strength
	Low battery
	Remaining battery power
	EDGE network
	2G network
	3G network
	Missed video call
	Missed voice call
	Call divert active
	Data communication in progress
	Data communication available
	New voice message
	New SMS
	New MMS
	New Wap Push message
	New E-mail
	Sending message
	Send E-mail
	Message inbox full
	E-mail inbox full
	Downloading backstage

	Meeting mode
	Silent mode
	Airplane mode
	Vibration
	Bluetooth active
	Bluetooth headset connected
	Alarm set
	Earphone inserted
	Secured webpage

# Chapter 3

## Basic Operations

### *Navigating the Menus*

The various functions of the phone can be accessed through menus and submenus. You can navigate the menus by tapping on the touch screen or by using the hardware keys.

1. From the standby mode, press **Menu Key** to open the main menu.

The main menu is divided into four screens, with 9 items in each screen. To switch between each screen, you can

- ▶ Tap on one of the four dots below the menu icons.
- ▶ Flick right or left.



2. Tap on an item, or select the item with the **Navigation Keys** and then confirm by pressing **OK Key** to launch the application or enter into its submenu.
3. In the submenu, go on to tap, flick or drag on the touch screen, or use **Navigation Keys** to select and **OK Key** to confirm.

For example:

1. Press **Menu Key** to open the main menu in idle mode.
2. Tap **Settings**.
3. Tap **Profiles**.
4. Tap **Outdoor** to change the current profile.

You can also change the profile by using the keypad only:

1. Press **Menu Key** to open the main menu in idle mode.
2. Use **Up/Down Key** and **Left/Right Key** to select **Settings**.
3. Press **OK Key** to enter the settings menu.
4. Use **Right Key** to switch to **Profiles** tab.
5. Press **Down Key** to select **Outdoor**.
6. Press **OK Key** to change the profile.

**Notes:**

In this user manual, the steps needed to reach a certain menu or interface are shown in a condensed form, for example:

**Settings > Profiles > Outdoor.**

## Multitasking



Like a computer, your F870E is capable of handling several applications simultaneously.

When in an application, you can press **Menu Key** to return to the main menu or the most recent submenu you accessed. Then you can go to whichever menu you need to launch new applications or just return to standby mode. The old application would still be running backstage.

To reopen the application, or switch from one application to another, tap to open the list of all running applications (as shown above) and select the one you need by tapping on it. Tap to cancel and return to the current interface.

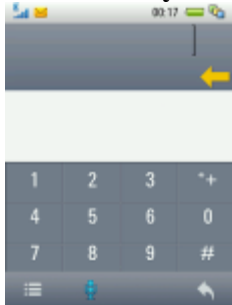
**Notes:**

**Notifications, such as new messages and E-mails, will also be displayed when you tap .**

## Making a Call

### Making a Voice Call



1. Press **Yes Key** or select **Dial** in the menu screen to enter into the following interface.

**Tips:**



You can also from the standby mode to get the dialing interface.

2. Enter the phone number by tapping the on-screen keypad, pressing the hardware keyboard or tapping the number you dialed before above the keypad. Tap to delete the digits.
3. Tap or press **Yes Key** to make the voice call, or tap to cancel the call.
4. Press **No Key** to end the call.


## Making an International Call

1. Tap  twice to enter “+”.
2. Enter the country code, area code and phone number.
3. Tap  or press **Yes Key** to make the call.

## Calling an Extension Number

1. Enter the phone number with the on-screen keypad.
2. Tap  three times to enter “P”.
3. Enter the extension number.
4. Press **Yes Key** or tap .

## Calling a Number from Contacts



1. Press **Menu Key** and select **Contacts**.
2. Scroll up and down the contacts list with your finger or **Up/Down Key**.
3. Touch and hold on the contact you want to call.
4. From the pop-up menu, select  to give the contact a voice call.



### Tips:

You can also select  or  to send an SMS or MMS to the contact.

## Calling a Previously Dialed Number

1. Tap **Calls** from the main menu.
2. Tap **Last call cost** to display the calls you have dialed previously.
3. Tap on a number you dialed.
4. Tap  to make a voice call to the selected number, or tap  for a video call.



### Notes:

Tap  or  to send an SMS or MMS to the number.

## Calling a Speed Dial Number


From the on—screen keypad interface, tap and hold a numeric key (1~9) to make a call to the corresponding speed dial number.



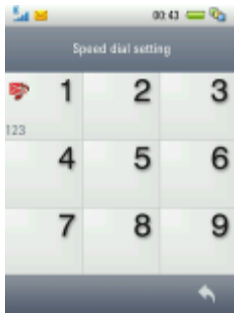
### Notes:

The number key 1 is reserved only for voicemail number.

### Set speed dial

1. From the main menu, go to **Contacts > All contacts**.
2. Tap the options icon  and tap **Speed dial setting**.





3. Select a number that has not been assigned from the screen above by tapping on it or by selecting it with **Navigation Keys** and **OK Key**.



#### Notes:

Tap on a number that has already been assigned to a phone number will pop up the options to **Replace to the former speed dial setting**.

4. Select a contact and his/her phone number on the screen or with **Navigation Keys** and **OK Key**.  
 5. When you are done with the setting, tap to return to the contact list.



#### Tips:

You can also select a contact in **All Contacts** and tap from the pop-up menu to set speed dial for the contact.

## Answering a Call

### Answering a Voice Call

Press **Yes Key** or tap on to answer the call.



#### Tips:

- ▶ You can tap to mute the ring tone.
- ▶ When you have inserted an earphone to your F870E, you can use the microphone on the earphone to talk if there is an incoming call. Just press the button on the earphone cord to answer it.



#### Caution:

Adjust the volume to a moderate level to avoid injury to your ear. See *Basic Operations-Answering a Call-Setting Volume*.

## Setting Volume

During a call, press **Volume Keys** (See *Getting Started-Key Definition*) to adjust the call volume.


## Rejecting a Call








Press **End Key** or tap to reject the call. You can also tap to reject the call and send an SMS to the caller.

### Ending a Call

Press **No Key** or tap  to end a call.

### In-Call Options

Tap  during a call for more options. Options vary depending on the current situation:

	<p><b>Mute/Unmute:</b> Turn off/on your microphone. When you turn the microphone off, the caller cannot hear you while you can still hear the caller.</p>
	<p><b>Hold/Active:</b> Put the call on hold or retrieve the call.</p>
	<p><b>Record:</b> Record the current conversation. When recording, tap  to pause or tap  and select  to stop and save the audio record.</p>
	<p>Bluetooth headset: Switch between your Bluetooth headset and your handset earpiece.</p>
	<p><b>DTMF on/DTMF off:</b> Enable or disable sending DTMF tone.</p>



### Entering Text

You can enter text with the on-screen keypad or by using the hardware keyboard.

#### Using the Hardware Keyboard








Your phone comes with a hardware keyboard, which is similar to a standard computer keyboard. To use the keyboard, slide the screen panel to the right to reveal the keyboard.

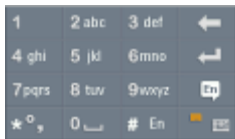


- To change input language, press  and select the language you need by tapping on the options or pressing **Navigation Keys**. You can change among English, French and Spanish.
- To change input case, press . You can change among the following input cases: uppercase mode, lowercase mode and initial capital mode.
- To enter letters, press the alphabetic keys with your fingers or thumbs.





**Notes:**

**For certain languages, pressing a specific letter key may result in multiple accented character options (like á, ü, é, ê, etc). Tap on the screen to select the letter you need.**

- To enter a single uppercase letter, press  before pressing the alphabetic key.
- To enter a number or symbol (labeled at the upper right of each key), press  and then press the corresponding key. Press  twice consecutively to enter numbers or symbols.
- Press  to open the symbol pad. Tap on a symbol to insert it into the text.
- To move the cursor, press the **Navigation Keys** or the arrow keys .
- Press  to delete the character before the cursor.
- Press  to start a new paragraph.


**Using the Touch Screen**




Your phone provides a small on-screen keypad, as shown above, for you to enter text.

- Tap  to change the input language.
- Tap  to change input mode between abc, ABC, 123 and En/Es (depending on the input language you have selected).
- Tap  to choose space, symbols and punctuation marks. Tap  to return to the original keypad.

**Tips:**

**The symbols and punctuation marks are divided into three pages. Tap Page1, Page2 and Page3 to switch between pages.**

 indicates that the symbol keypad is locked and you can input multiple symbols, punctuations and spaces consecutively. Tap on it to unlock the symbol keypad and you will return to the original keypad after you have entered one symbol, punctuation mark or space.

- Tap  to delete the character before the cursor; hold it to delete all text before the cursor.
- Tap  to start a new paragraph.
- Tap  to hide the touch keypad.


**Locking the Screen**

You can use the screen lock to prevent the keys and screens from being pressed accidentally.

From any screen, hold Message Key until the following screen appears.



### ***Unlocking the Screen***

Drag  downwards to unlock the screen, as shown in the following picture.



# Chapter 4

## Menus

### *Browser*

#### Homepage


Tap **Homepage** in **Browser** to go to the homepage you set in **Connect > Connect settings**.

#### Enter address


Tap **Enter address** to input web page address that you want to visit. You can also select from past inputs to visit directly.

#### Bookmark

All web page addresses can be saved as bookmarks in your phone. This function allows you to view and edit these bookmarks, and link to the bookmarked web pages.

Tap  to add a new bookmark. You need to enter the title and address of the bookmark.

Tap  to delete bookmarks.

Tap  beside each bookmark to visit that web page.

Tap a bookmark to view its title and address. Tap  to go to the web page. Tap  to send the bookmark via SMS, MMS or E-mail.

#### History

This function allows you to check your browsing history. You can view the titles and addresses of the pages you visited; you can also delete the history, link to the page again or add the page to **Bookmark**.

#### Saved page

This function displays the list of pages saved as off-line files.

When browsing, tap  and select **Save page** to save the current web page.

#### Browser Settings

- **Connections:** Select the connection setting the browser uses.
- **Advanced Settings:** Change the settings related to animation, images, background music, script, autofill, etc.
- **Clear Cache:** Delete all cache data.
- **Clear Cookies:** Delete all cookie information.
- **Clear Autofill list:** Delete all input history items.
- **Certificate:** View the certificates provided in the browser, including root certificate, CA certificate and trusted certificate.

#### Version info



You can check the edition and copyright information of the browser.



## Calls

### Recent Calls

In standby mode, press **Menu Key** and go to **Calls > Recent Calls**.

**Recent Calls** shows all your call log.

- Tap  to open options. You can go to dialed call list, received call list, or delete call log or check call duration.
- Tap  to go to missed call list.
- Tap on a call to view the detail of the call. You can also tap on the icons to make voice/video call or send an SMS/MMS to the number. (See *Basic Operations-Making a Call-Calling a Previously Dialed Number.*)

	Use the number to create a new contact or update an existing contact.
	Delete the call record.

### All contacts




Tap **All contacts**  to go to **Contacts**. See *Menus-Contacts-All contacts*.

## Tools


In standby mode, press **Menu Key** and select **Tools** in the main menu to access the **Tools** menu interface.

### Alarm

You can add, edit and delete alarm settings. The alarms can be one-time alarms or repeating alarms.



Tap  to add an alarm and input the new alarm settings. Tap  to mute the alarm ringtone. Tap  to save the settings.



Tap on an existing alarm to edit its settings.


Tap  to select alarms to delete.

### Calendar

You can access Calendar from Tools screen or by tapping  from standby mode.

Initially, the cursor appears on today's date on a monthly calendar according to your handset setting. Tap  or  to jump to the calendar of last month or next month. Tap on a date to view the schedule of that day. On a date that schedule is arranged, a blue triangle will be displayed on the top left corner of the date, and a green one on the bottom right.

To add a new schedule, tap  and select schedule type (Appointment, Memo or Anniversary). Input the schedule information (subject, location, time, etc) and tap  to save it.

In the calendar view, tap  to change from month view to week view or from week view to month view. You can also delete schedules, set the calendar view, alarm ringtone and check memory information.


### Calculator



The phone provides a simple calculator for addition, subtraction, multiplication and division.



Tap the on-screen keypad to operate.

## Notes

You can use **Notes** to save text memos.

Tap  to create a new memo. Input the content with the on-screen keypad or the hardware keyboard.

Tap  to save the memo and exit. You can also tap  to delete the memo or send it via SMS/MMS/E-mail/Bluetooth.

In the memo list, tap a memo to view its content or edit it. Tap  to delete it. Tap  to select memos and send via Bluetooth.

## Converter

Converter helps you with currency and unit conversion.


Select the item you want to convert, currency, length, area, weight or temperature.


## Timer

You can measure time backward from 59'59.99" and take records.

Tap **Start** to start timing. Tap **Stop/Continue** to pause the timing or continue with the timing.

Tap **Reset** to restart the timing.

During timing, tap  to minimize the timer and return to the **Tools** menu. You can go on with other tasks while the timing continues.

When timing is reset or paused, you can tap  to switch to **Stopwatch**. See *Menus-Tools-Stopwatch*.


## STK

SIM Tool Kit (STK) is available if your (U)SIM card provides this function. For further details, please contact your service provider.


## Contacts





### All contacts

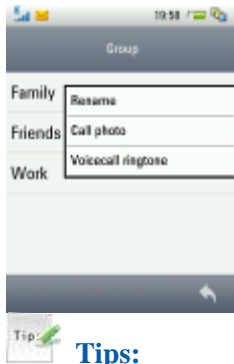
You can store contacts with a variety of phone and fax numbers as well as additional address details.

Tap  to add a new contact.

Tap  to search for contacts by inputting their names.


Tap  to open the following options:

- **Group:** Go to contact groups. The default groups include **Family**, **Friends** and **Work**. Tap on a group to view all the contacts in that group. You can add/delete/rename group or set photo/voice call ringtone/video call ringtone for each group.
  - ▶ To add a new group, tap . Then enter group name, set group photo, voice call ringtone and video call ringtone. Tap  to save and exit.
  - ▶ To delete an existing group, tap  and select **Delete group**.
  - ▶ To rename a group or set photo, voice call ringtone or video call ringtone for the group, tap and hold the group name until a pop-up menu appears, as shown in the following picture. Select the item you want to change by tapping it. You can also change the settings by tapping .

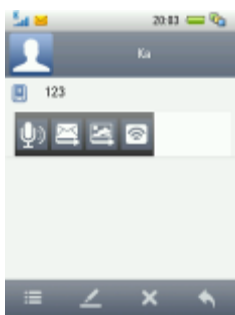


### Tips:





You can change the order of the groups by tapping  and selecting **Customize order**, or check memory status by selecting **Memory info**.

- **Filter display:** Display phone contacts only or USIM contacts only.
- **Copy contacts:** Copy contacts from handset to USIM card or vice versa.
- **Move contacts:** Move contacts from handset to USIM card or vice versa.
- **Delete contacts:** Delete contacts. Tap the check box on the right of each contact you want to delete and tap  to confirm the selection.
- **Speed dial setting:** Go to speed dial setting interface. See *Basic Operations-Making a Call-Calling a Speed Dial Number-Set speed dial*.
- **Default memory:** Select the handset or the USIM card as the default place to save contacts.
- **Service number:** View service numbers. You cannot edit these numbers.
- **Own phone number:** View your own numbers.
- **Memory info:** View the used, not used and total space for contacts on your handset and the USIM card.
- **Send via Bluetooth:** Send the contact information via Bluetooth.

Tap on a contact to view the detail information. Touching and holding on the number will open a submenu.



You can carry out the following operations through the submenu:

- Tap  to make a voice call to the number, , set speed dial for it or edit it. You can also tap  to send the contact information as a business card or move/copy the contact to the handset/USIM card.
- Tap  to send an SMS/MMS.
- Tap  to set speed dial.



**Tips:**

If the contact has an E-mail address, you can tap and hold on the E-mail address and select to send an E-mail.

Tap to edit the contact information. Tap to delete the contact.

**Recent Calls**

Tap **Recent Calls** to view call logs. See *Menus-Calls-Recent Calls*.

**Messaging****New message**

You can create a new SMS or MMS.

1. From standby mode, tap or press **Menu Key**, and select **New message**.
2. Select **SMS** or **MMS**.
3. Tap to select recipients from the contacts, or tap to enter recipients numbers directly. Tap to delete the recipients.

**Tips:**

When selecting recipients, you can tap to choose from the favorite numbers, which is based on how often you contact with that number using your F870E.

4. If you are sending an MMS, you can also enter the title of the message in the subject field or tap to open **Cc** field. You can send the message to even more people.
5. If you are sending an SMS, tap to insert business card or Vcalendar to the message. For MMS, tap **Attachments** to insert files to the message.
6. Tap the content area and enter the content of the message. See *Basic Operations-Entering Text*. Tap and select **My words** to insert preset sentences. If the message is an MMS, you can enter text, insert photos, audios and videos.

**Notes:**

Initially, **My words** is empty. Tap to add new record.

7. When you are done with message editing, tap .
8. Tap to send the message or tap to save the message and send later.

**Handset inbox**

**Handset inbox** contains all of your received SMS and MMS messages. From this folder, you can view or delete your received messages or move/copy them to other folders. You can also reply or forward messages to other recipients or call the sender.

**Notes:**

You cannot receive new messages if the memory for messages is full.

**Outbox**

**Outbox** folder contains all messages that were not successfully sent during the last attempt. From this folder you can edit, delete or resend the messages.

**Drafts**

**Drafts** folder contains drafts and unfinished messages. From this folder, you can edit, delete or send your messages.

**Sent**

**Sent** folder contains messages sent successfully. From this folder, you can delete or forward messages to other recipients.

**User folder**

You can move your received messages from handset inbox and (U)SIM inbox to the **User folder**. You can also create new folders in **User folder**.

**(U)SIM inbox**

You can check the SMS saved in your (U)SIM card.

**Settings**

You can change the MMS/SMS settings.

**SMS settings**

**SMS center number:** Your service provider presets the service center number for you.

**Expiration time:** Set the length of time in which the message center will attempt to deliver the message until it is received.

**Delivery report:** Select **ON/OFF** to enable or disable message delivery report.

**MMS settings**

**Retrieval settings:** Select **Immediately** or **Delay** to retrieve new MMS automatically or manually.

**Send mode:** You can select **Immediately** or **Delay** to send the MMS immediately or defer it for a specified period of time.

**Delay send time:** Set the time to send MMS when you set **Delay** in **Send mode**. The maximum delay is 99 hours.

**Slide time:** Set the play time of each page of the MMS.

**Delivery report:** Select **ON/OFF** to enable or disable message delivery report.

**Expiration time:** Set the length of time in which the message center will attempt to deliver the message until it is received.

**Receive anonymous message:** You can choose to accept or reject anonymous messages.

**Receive PUSH message:** Select **ON** or **OFF** to accept or reject PUSH messages.

**Link mode:** Select the connection for sending and receiving MMS. Please consult your service provider for details.

## Memory info

You can check the amount of used memory and total space for SMS and MMS in your phone, (U)SIM card and user folders.

## Dial

**Dial** helps you make your calls. See *Basic Operations-Making a call-Making a Voice Call* for more information




## File Manager

Select **File manager** from the main menu to access the **File manager** interface.

## Handset


## Photos

You can manage all the still images (including wallpapers, pictures and photos) on your phone. You can rename, copy, move, delete or send image files and folders. You may also create new folders to store images. The image files can also be set as wallpaper or set as contact photos.

In **Photos** folder, tap  to create a new folder in **Photos**; tap  to select folders or files and delete them; tap  to display the following menu:

- **Search:** Search a file by inputting file name as keyword and defining its locations.
- **Rename:** Rename files and folders.
- **Send via Bluetooth:** Select folders or files and send them via Bluetooth.
- **Copy:** Select files in **Photos** to copy to other locations.
- **Move:** Select files in **Photos** to move to other locations.
- **Folder info:** Check the size, created time and number of content of **Photos**.
- **Memory info:** Check used and total space of the handset and the memory card.

## Wallpaper



Choose **Wallpaper** in **Photos** and then tap  to search for a file, check folder information or memory information.

Tap on a file in **Wallpaper** to open it, set as wallpaper or set as contact photo.

## My Photos/My Pictures




Tap on a file in **My Photos/My Pictures** to open it, set it as wallpaper or contact photo, delete it, rename it, send it via Bluetooth/E-mail/MMS, copy or move it to other folders.

After you open the file, you can:

- Tap  to send it via MMS/E-mail/Bluetooth, set it as wallpaper, set frame or view the image properties.
- Tap  to view the image files in a slide show.


## Audios


**Audios** folder contains ringtones, music and audio records. You can set them as ringtones, delete, copy, move, rename and send them to others.

In **Audios** folder, tap  to create a new folder under **Audios** or  to select files or folders to delete. Tap  to open the following menu:

- **Search:** Search a file by inputting file name as keyword and defining its locations.
- **Rename:** Rename files and folders.
- **Send via Bluetooth:** Select folders or files and send them via Bluetooth.
- **Copy:** Select files in **Audios** to copy to other locations.
- **Move:** Select files in **Audios** to move to other locations.
- **Folder info:** Check the size, created time and number of content of **Audios**.
- **Memory info:** Check used and total space of the handset and the memory card.

### Ring



Choose **Ring** in **Audios** and then tap  to search for a file, check folder information or memory information.

Tap  on the right of each audio file to play it.

Tap on a file in **Ring** to play it, set as voicecall ringtone.




### My Music/My Audios

Tap on a file in **My Music** or **My Audios** to play it, set voicecall ringtone, delete, rename, send via Bluetooth/MMS, copy or move the file.

- Tap  to create a new folder under **My Music/My Audios**.
- Tap  to select files or folders to delete.

## Videos

**Videos** folder allows you to playback prerecorded video files. You can also delete, copy, move, rename and send them to others.

In **Videos** folder and its subfolders, tap  to create a new folder or  to select files or folders to delete. Tap  to open the following menu:


- **Search:** Search a file by inputting file name as keyword and defining its locations.
- **Rename:** Rename files and folders.
- **Send via Bluetooth:** Select folders or files and send them via Bluetooth.
- **Copy:** Select files in the current folder to copy to other locations.
- **Move:** Select files in the current folder to move to other locations.
- **Folder info:** Check the size, created time and number of content of the current folder.
- **Memory info:** Check used and total space of the handset and the memory card.

Tap on a file in **My Videos/My Kinescope /Fixvideo** and its subfolders to play it, delete, rename, copy or move the file, or send it via Bluetooth/MMS.

## Others

**Others** folder is used to save downloaded files other than images, audio and video files. You can also copy or move files from **Photos**, **Audios**, **Videos** to **Others**.

### Tflash card

In the **File manager** interface, tap on the top left arrow  and select **Tflash card** to view the files and folders on your memory card.

## Multimedia

Select **Multimedia** from the main menu to enter **Multimedia** menu.



### Caution:

**Your phone has a camera that can be used for taking photos and recording short video clips with sound. Respect the right of others and obey the local laws, regulations and customs when taking and using photos or video clips.**

## Music Player

### Starting the Music Player

1. From standby mode, press **Menu Key**.
2. Select **Multimedia** > **Music player** to launch the music player.

### Opening an Item to Play




1. Select the view from the top of the interface by dragging the tabs left and right and tapping on the tap you want. You can view all audio tracks, playlists, or view by folder, album or artist.
2. Flip through the list and find the track or playlist you need. Tap on it to start playing.



### Notes:

**You can tap  and input keyword to search for audio tracks in the list.**

## More Options

- In the track/playlist/folder/album/artist view, you can tap  to refresh the lists.
- In playlist view, tap  to add a new playlist.
- When playing an audio track, tap  to set the current track as video/voice call ringtone or select **Settings** to set the audio player.
- When playing an audio track, tap the artwork area to pause or continue; press **Volume Keys** to control the speaker volume.

## Video Player

### Starting the Video Player

1. From standby mode, press **Menu Key**.
2. Select **Multimedia** > **Video Player** to launch the video player.



#### Notes:





**When you start the video player, the phone's display will switch automatically from portrait mode to landscape mode. Hold the phone sideways to enjoy the video clips.**

### Opening an Item to Play

Select a file to play. Tap **Record** , **Other Local** to select video clips from your phone or your memory card. You can also tap **Recent play** to select a file or URL you played recently.




#### Notes:



- ▶ Tap  to sort the local files list by all, created time or folder.
- ▶ Tap  to refresh the video library.
- ▶ Tap  to clear the recently played file list.
- ▶ Tap  to set the parameters for streaming media. Please contact your service provider for details.



### More Options





When playing a video, tap on the screen to find the control panel as shown above.

Tap  to pause the playback and tap  to continue the playing.

Tap  or  to play the previous/next video in the list.

Tap and hold  or  to rewind or fast forward the video.

Tap  to open more options. You can open go back to the video library, adjust brightness, send the clip via MMS/E-mail/Bluetooth or view the property of the video.

Tap  to return to the video library.

## Picture Browser

### Starting the Picture Browser

1. From standby mode, press **Menu Key**.
2. Select **Multimedia** > **Picture Browser** to launch the picture browser.

### Opening an Item to Play

The image files will be displayed in thumbnails after you enter **Picture Browser**. Tap **Image** to view images saved in **Photos** folder on your phone; tap **Other** to view images saved in **Others** folder on your phone and those saved on your memory card.


Tap an image to view it, or tap  to view all the images in the list in a slide show.



#### Tips:

You can tap  to refresh the image gallery, or tap  to sort the image files by all, created time or folder.

### More Options

After you open an image, tap  to find more options.


- **Open image library**: return to the image list.
- **Set as wallpaper**: set the current image as the wallpaper for idle desktop.
- **Frame settings**: add a frame to the current image.
- **Play time interval**: select the time interval for each image during slide shows.
- **Image property**: view the name, dimension, size, time of creation and copyright information of the current image.

## Voice Recorder

### Starting the Voice Recorder




1. From standby mode, press **Menu Key**.
2. Select **Multimedia** > **Voice Recorder** to launch the voice recorder.

### Start Recording


1. Tap  to start recording.

**Tips:**

You can adjust the recording volume by tapping on the  bar.

2. Tap  to pause and tap  to continue. You can also tap  to clear the content and stop the recording.

## Stop Recording

Tap  to stop recording and save the audio file in **My Audios**.










## Opening an Item to Play

1. Tap **My Audios**, where the audio records are saved.
2. Tap a record from the list to start the playing. You can pause, jump to the previous or next record, or stop the playing and return to the list.

## FM radio

With the FM radio, you can search for radio channels, listen to them, and save them on your device. Note that the quality of the radio broadcast depends on the coverage of the radio station in that particular area. The earphone works as an antenna, so always connect the earphone when using the radio. When you receive an incoming call while listening to the radio, the radio will be turned off.

Tap **Multimedia > FM radio** from the main menu to enter the FM radio function.

- Tap  on the screen to start scanning for radio channels.
- Tap  or  to adjust the frequency.
- Tap  to adjust the volume.
- Tap  to turn on the loudhailer.
- Tap  or  to switch to the previous or next radio channel.
- Tap  to view all the saved channels (20 channel can be saved at most).
- Tap  to save the current channel into the channels list.

## Camera

There is an integrated digital camera in your phone. You can take still photos and short video clips with audio. The photos and videos can be sent via MMS or Bluetooth. Photos can be set as the wallpaper.

## Starting the Camera

From the main menu, select **Multimedia > Camera** to activate the camera.



## Taking Photos



1. Aim the camera lens at the object.
2. Press **Volume Key** to zoom in or zoom out.
3. Press **Camera Key** to take the photo.
  - ▶ Tap **Send** to send the photo via MMS, E-mail or Bluetooth.
  - ▶ Tap **Setting** to set the photo as contact photo or wallpaper.
  - ▶ Tap **Delete** to delete the photo from the phone memory.



### Tips:

When taking photos, you can tap  and select  to take photos of other people. Settings have been optimized specifically for taking portrait photos.

## Taking Videos

1. Tap  and select  to switch to video recording.
2. Press **Camera Key** to start and end video recording.
  - ▶ Tap **View** to view the video file.
  - ▶ Tap **Send** to send the video via MMS or Bluetooth.
  - ▶ Tap **Delete** to delete the video file from the phone memory.



### Notes:

You can also select  to take video clips for MMS, or select  to take video clips for E-mails.

## Options

When taking photos and videos, you can tap on the panel on the right to make options. You can tap **Settings** to adjust brightness, white balance and effect, or tap **More** to select **Shutter sound**, **Location**, **Size** and **Quality**.

## Settings

### Screen

- **Wallpaper**: change the wallpaper for the idle screen.
- **Backlight Duration**: you can set the duration of backlight.
- **Brightness**: tap on the bar in the middle of the screen to adjust the screen brightness.
- **Time of Keylock**: set automatic keylock count down or select **Keyguard Forbidden** to disable automatic keylock.

- **Keyboard Light:** set keyboard light duration and keyboard light period.
- **Idle Greeting:** set the greeting that you can see on the idle screen from the network status widget. You can enter 20 characters at most.
- **Greeting:** set the greeting you can see when powering on the phone.
- **Touch Screen Calibration:** follow the on-screen prompt to calibrate the touch screen.

## Handset

- **Language:** select the language for user interface.
- **Time and Date:** set time and date for your phone. You can select time style and date format, or enable or disable automatic time update (this function may need the support of your network, please contact your network supplier for detailed information).
- **Main Menu Display Option:** select to put some functions in the main menu, instead of only placing them in submenus.
- **Missed Calls Tone:** set the time interval for missed call reminder. You can select **Not Remind** if you do not want to be reminded.
- **Touch screen vibrate feedback:** turn on/off the touch screen vibration feedback.
- **Default Memory:** set default memory.
- **Restore Default Settings:** restore to original factory settings. You need to enter the handset code. The default code is 0000.

## Profiles

Your phone provides several predefined user profiles. You can choose a profile according to your surroundings. Supported profiles include: **General**, **Meeting**, **Outdoors**, **Silent**, and **Airplane**.




### Warning:

**Activating Airplane mode will disable your mobile network connection. You cannot make phone calls or connect to the internet.**

Tap **Edit** beside each profile to edit it. You can customize the tones and volume under each profile.

## Connect

- **Connect Settings:** you can create, edit or delete connection settings for internet access. Contact your service provider for more information.
- **Access Point Settings:** this menu shows the access point list. To modify these settings, please contact your service provider. You can add new access point by tapping .
- **Network Settings:** the network that your phone uses is configured automatically. When powered on, the phone automatically connects to the designated network, or automatically connects to a roaming network when you are outside the coverage of your regular network (in which case, you can manually select the local network system).
  - **Preferred selection:** the default setting is **Automatic**. You can tap on it and the phone will search and list all networks for you to choose from manually.

## Call

- **Videos gateway:** set parameters of the video phone, including **Gateway number** and **UUS type**. Please consult your service provider for detailed information.
- **Call Forwarding:** you can specify the conditions under which the calls should be forwarded to your

voicemail box or another number. Select **Cancel all Call Forwarding** to cancel all the forwarding services.

- **Call Waiting:** activate this service and you will receive notification from the phone if there is an incoming call while you are on another call.
- **Call Barring:** restrict the dialling or receiving of certain calls. To activate or cancel the service, you must enter the network password provided by your service provider.
- **Send My Number:** this allows you to send or hide your number when making calls. The default is **Automatic** and this function needs network support.

## Security

- **Activate Security Codes:** you can activate and deactivate handset code and PIN code. Whichever code you turn on, you must input the code when powering on the handset.
- **Change Security Codes:** you can change PIN code, PIN2 code and handset code. Enter the old code and then input the new code twice.
- **Fixed Dial Numbers:** you can define a list of numbers that you can dial. This information is saved in the (U)SIM card. You cannot dial any number out of the list. Tap **Status** and enter PIN2 code to turn on/off this function. Tap **Dial list** and input PIN2 code to edit the fixed dial number list.


## Bluetooth

You can use Bluetooth to connect your handset to wireless earphones, hands free car kits and other compatible devices. You can also transfer files between your phone and other Bluetooth devices such as another phone or a laptop. Not all applications or devices can be supported as Bluetooth is an open forum and different manufacturers adopt different standards and implementation.

- **Start Bluetooth/Off Bluetooth:** turn on/off the Bluetooth function.
- **Display/Hide Bluetooth:** make your phone visible/invisible to other Bluetooth devices.
- **Find Device:** search for Bluetooth devices and create a Bluetooth connection. Tap on a device your phone has found and press **Yes** to confirm. Enter the correct password to create the connection.
- **My Device:** list all the devices you have made Bluetooth connection with. Tap on a device to retrieve files, authorize the device, delete or rename it, or view the properties of the selected device.
- **Local Attribute:** view the Bluetooth property of your phone, including device name, type, server, FTP catalog and device address.

## Applications

Select **Applications** from the main menu to access the applications you have installed or pre-installed. Select **More Games** to download and install more applications over the air.

Tap  to view the space information or select connection setting.

Tap on an application and select **Run** to launch it.

## Download

You can check the progress of your downloading items.

# Chapter 5

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## Specifications

Model	F870E
Bearer	GSM/GPRS, support EDGE
Dimensions (L × W × H)	101mm × 49mm × 15.4 mm
Weight	Approximately 100 g (with the battery)
Battery	800 mAh Li-ion battery
Screen	240*320 pixels, 262 K Color TFT QVGA Screen, 2.4 inch
Memory card	MicroSD card, up to 8 GB
Camera	3M pixels cameras Capture Image: up to 2048x1536b Capture Video: up to 176 x 144 Digital Zoom: 5x
Continuous standby time	300 hours (subject to network status)
Continuous talk time (GSM)	240 minutes (subject to network status)

# Chapter 6

## Questions & Answers

If you encounter problems while using the phone, or if it performs erratically, you can consult the information in the chart below. If your particular problem cannot be resolved using the information in the chart, contact the dealer where you purchased the phone.

Problem	Possible causes	Possible solution
Poor reception	<ul style="list-style-type: none"> <li>The network signal is too weak at your current location, for example, in a basement or near a tall building, because wireless transmissions can not effectively reach it.</li> </ul>	Move to a location where the network signal can be properly received.
	<ul style="list-style-type: none"> <li>The network is busy at the current time (for example, during peak times, there may be too much network traffic to handle additional calls).</li> </ul>	Avoid using the phone at such times, or try again after waiting a short time.
	<ul style="list-style-type: none"> <li>You are too far away from a base station for your service provider.</li> </ul>	You can request a service area map from your service provider.
Echo or noise	<ul style="list-style-type: none"> <li>Poor network trunk quality on the part of your service provider.</li> </ul>	Press <b>End Key</b> and dial again. You may be switched to a better-quality network trunk or phone line.
	<ul style="list-style-type: none"> <li>Poor local telephone line quality.</li> </ul>	Press <b>End Key</b> and dial again. You may be switched to a better-quality network trunk or phone line.
Unable to select certain features.	Your service provider does not support these features, or you have not applied for services that provide these features.	Contact your service provider.
Battery will not charge.	<ul style="list-style-type: none"> <li>The battery or battery charger is damaged.</li> </ul>	Contact the dealer.
	<ul style="list-style-type: none"> <li>The phone's temperature is below 0°C or higher than 45 °C.</li> </ul>	Adjust the battery charging environment to avoid extremes of temperature.
	<ul style="list-style-type: none"> <li>Poor contact between the battery and charger.</li> </ul>	Check all connectors to make sure all connections have been properly made.
Shortened standby time	<ul style="list-style-type: none"> <li>The standby time is related to your service provider system configuration. The same phone used with different service providers' systems will not provide exactly the same length of standby time.</li> </ul>	If you are located in an area where signaling is weak, temporarily power off the phone.
	<ul style="list-style-type: none"> <li>The battery is depleted. In high-temperature environments, battery life will be shortened.</li> </ul>	Use a new battery.
	<ul style="list-style-type: none"> <li>If you are not able to connect to the network, the phone will continue to send out signals as it attempts to locate a base station. Doing so consumes battery power and will consequently shorten standby time.</li> </ul>	Change your location to one where the network is accessible, or temporarily turn off your phone.
You cannot switch your phone on.	Battery power has been depleted.	Recharge the phone's battery.

Problem	Possible causes	Possible solution
USIM card error	• USIM card malfunction or damage.	Take the USIM card to your service provider for testing.
	• USIM card inserted improperly.	Insert the USIM card properly.
	• Debris on the USIM card contacts.	Use a soft, dry cloth to clean the USIM card contacts.
Unable to connect to the network.	• USIM card invalid.	Contact your service provider.
	• You are not within the network's service area.	Check the service area with your service provider.
	• Poor signal.	Move to an open space, or if you are inside a building, move closer to a window.
You cannot answer incoming calls.	You have activated the <b>Call Barring</b> feature.	Go to <b>Settings &gt; Call &gt; Call barring</b> , and then select <b>Cancel all call barring</b> .
You cannot make outgoing calls.	• You have activated the <b>Call Barring</b> feature.	Go to <b>Settings &gt; Call &gt; Call barring</b> , and then select <b>Cancel all call barring</b> .
	• You have activated the <b>Fixed Dial Number</b> feature.	Go to <b>Settings &gt; Security &gt; Fixed dial numbers</b> and select <b>Status</b> to turn this feature off.
PIN Code is blocked.	You have entered an incorrect PIN code three consecutive times.	Contact your service provider. If the service provider provides the (U)SIM card's PUK code, use the PUK code to unlock the (U)SIM card.
Unable to enter information into the phone book.	The phone book's memory is already full.	Delete unnecessary data from the Contacts.

# Chapter 7

## Glossary

**2G** — Second Generation wireless communication system. 2G system supports low quality voice and low-rate packet-data service. 2G refers to GSM in European countries and CDMA in America.

**3G** — Third Generation wireless communication system. 3G is the next generation wireless communication system that offers real-time video streaming services and high-rate packet-data service. 3G is also known as UMTS (Universal Mobile Telephony System).

**Access point** — Access point refers to a point through which users can connect to the network so that the users can use the network services.

**Multimedia Message Service (MMS)** — A message service for the handset environment, that allows videos, pictures, audio files and text to be sent between phones and dependent on network provider support, to E-mail addresses.

**Roaming** — Use of your phone when you are outside your home area, when travelling for example.

**(U)SIM** — (Universal) Subscriber Identity Module. Your (U)SIM is provided by network provider. It carries the authentication and service grade data for the network as well as user-specific data such as contacts and SMS.

**Video call** — A communication service that enables users to communicate with video and sound instead of only sound. Video calling is only supported by 3G networks.

**Voice mail** — An answering service that automatically answers your calls when you are not available. Others can leave either voice messages for you with this service.

# Chapter 8

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## Declaration of RoHS Compliance

To minimize the environmental impact and take more responsibility to the earth we live in, this document shall serve as formal declaration that the F870E manufactured by ZTE CORPORATION is in compliance with the Directive 2002/95/EC of the European Parliament - RoHS (Restriction of Hazardous Substances) with respect to the following substances:


1. Lead (Pb)
2. Mercury (Hg)
3. Cadmium (Cd)
4. Hexavalent Chromium (Cr (VI))
5. Polybrominated biphenyls (PBBs)
6. Polybrominated diphenyl ethers (PBDEs)

The F870E manufactured by ZTE CORPORATION, meets the requirements of EU 2002/95/EC.



# Chapter 9

## INFORMATION ON PRODUCTS DISPOSAL

	<p>This symbol indicates that all electrical and electronic equipment included must not be disposed of as household waste. Instead it must be left at the appropriate collection point for recycling of electrical and electronic equipment.</p> <p>By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.</p> <p>The recycling of materials will help to conserve natural resources. For more detailed information about recycling this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.</p>
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# Chapter 10

## Using Your Phone With a Hearing Aid Device

Your Model name:F870E device is compliant with the FCC Hearing Aid Compatibility (HAC) requirements. For additional HAC information, including the HAC rating of this product, please refer to [www.zte.com](http://www.zte.com)

When some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate. The wireless telephone industry has developed ratings for some of their mobile phones, to assist hearing-device users in finding phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that have been rated have a label on the box. Your Model name:F870E has been tested for hearing aid device compatibility and has an M3 rating.

These ratings are not guarantees. Results will vary, depending on the level of immunity of your hearing device and the degree of your hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

**M-Ratings:** Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference with hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings. **T-Ratings:** Phones rated T3 or T4 meet FCC requirements and are likely to be more usable with a hearing device's telecoil ("T Switch" or "Telephone Switch") than unrated phones. T4 is the better/higher of the two ratings. (Note that not all hearing devices contain telecoils.) The more immune your hearing aid device is, the less likely you are to experience interference noise from your wireless phone. Hearing aid devices should have ratings similar to those of phones. Ask your hearing health-care professional for the rating of your hearing aid.

Hearing devices may also be measured for immunity to this type of interference. Your hearing device manufacturer or hearing health professional may help you find results for your hearing device. The more immune your hearing aid is, the less likely you are to experience interference noise from wireless devices.

For additional information about the FCC's actions with regard to hearing aid compatible wireless devices and other steps the FCC has taken to ensure that individuals with disabilities have access to telecommunications services, please go to [www.fcc.gov/cgb/dro](http://www.fcc.gov/cgb/dro).

# Chapter 11

## FCC Regulations:

●This mobile phone 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.

●This mobile phone 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 radiated 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

●The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## ▶ RF Exposure Information (SAR)

This mobile phone meets the government's requirements for exposure to radio waves. This phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. \*Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value for the model phone as reported to the FCC when tested for use at the ear is 0.677 W/kg and when worn on the body, as described in this user guide, is 1.24 W/kg (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements.)

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of [www.fcc.gov/oet/ea/fccid](http://www.fcc.gov/oet/ea/fccid) after searching on FCC ID: Q78-F870E.

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and the positions the handset a minimum of 2.5 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. If you do not use a body-worn accessory and are not holding the phone at the ear, position the handset a minimum of 2.5 cm from your body when the phone is switched on.