

GSM Dual-Band GPRS Digital Mobile Phone User Manual

The manual is applicable for ZTE-G **X990** mobile phone.

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Contents

Before Use	1
Safety Instructions	1
Precautions for using the mobile phone	2
Precautions for using the battery	6
Precautions for using the charger	7
Parts Definition	9
Insert and Remove SIM Card	11
Insert and Remove Memory Card	13
Battery	14
Install the battery.....	14
Remove the battery	14
Charge the battery	15
Power On/Off	16
Menu Tree.....	17
Descriptions of common functions	18

Make and receive calls	18
Make a call.....	18
Receive a call	19
Adjust the volume	19
Hands-free	19
Call options	19
Write messages	19
View messages.....	20
Add new contact	21
Send and receive Email	22
Use the phone as a U disk	23
Main Function list.....	24
Input Methods	33
Appendix	34
Clearance and Maintenance	34
Health and Safety Information	36
FCC Regulations	38

Failure Analysis	39
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Before Use

Thank you for choosing ZTE-G X990 GSM Dual-Band GPRS Digital Mobile Phone (referred to as the “mobile phone” in this manual).

To guarantee your mobile phone is always in its best condition, please read this manual carefully and keep it for future reference.

The pictures in this user manual are only used to demonstrate the mobile phone’s functions, so they may be different from what you see on your mobile phone.

Safety Instructions

If your mobile phone is lost or stolen, notify your service provider immediately to prevent others from abusing it. To protect your mobile phone against abuse, take the following precautions:

- Set a PIN code and modify it from time to time.
- Keep your mobile phone with you at all times.

Precautions for using the mobile phone



Road Safety

- Pay attention to road safety and follow all local relevant laws and regulations while driving.



Interference

- Do not use your mobile phone near sensitive electronic equipment. Radio wave interference may cause electronic equipment to malfunction. Pay special attention when you use your mobile phone near audio-phones, pacemakers and/or other medical electronic equipment, fire detectors, automatic-doors and/or other automatic-control equipment. For details on the influence caused by your mobile phone on pacemakers or other medical electronic equipment, please consult the manufacturer or your local distributor.
- Do not use your mobile phone near TV sets, radios or office automated equipment to avoid interference.



On an Aeroplane

- Turn off your mobile phone on an aeroplane when use is forbidden. The mobile phone may affect the normal operation of electronic devices, therefore please follow the relevant regulations when using your mobile phone on an aeroplane.



In Hospital

- Turn off your mobile phone in hospital where it's forbidden to use it. The mobile phone may affect the normal operation of medical apparatus, therefore please follow the relevant regulations when using your mobile phone in hospital.



At the Petrol Station

- Do not use your mobile phone in petrol station. Turn off your mobile phone near fuels or chemicals.



Waterproof

- Keep your mobile phone away from water. This may cause overheating, electrical leakage or failure if water or any other kind of liquid enters your mobile phone.



Disassemble

- Do not disassemble or reassemble your mobile phone as this may cause damage, electrical leakage or circuit failure.



Antenna

- Do not use your mobile phone if your antenna is damaged as this may cause bodily harm.



Away from Children

- Keep your mobile phone from children. Do not allow children to use the mobile phone as a toy as this may be harmful to their health.



Original Accessories

- Use the original accessories or those authenticated by the manufacturer. Using non-original accessories may affect the mobile phone's performance, violate the warranty provisions or relevant national regulations on mobile phones, or even cause bodily harm.



Areas where industrial explosives are used

- Please strictly adhere to relevant laws and regulations to turn off your mobile phone in or near areas where explosive materials are used.



Emergency Calls

- Make sure your mobile phone is turned on and in the service area. Input the national emergency number and press the Send key to dial. Let others know where you are and do not hang up help has reached you.

Precautions for using the battery

- Put the battery in a cool and ventilated place where there is no direct sunshine.
- The battery life is usually limited, and it becomes shorter and shorter after the battery is charged over and over again. If the charging fails several times, this indicates that the battery is worn out and the replacement is advised.
- Dispose the worn-out batteries in designated places according to specified regulations rather than throw them into residential garbage.
- Do not throw the worn-out batteries into fire because this might cause fire or explosion.
- Do not press with great force when installing the battery because this may result in leakage, overheating, explosion or fire.
- Do not disassemble or reassemble the battery because this may result in leakage, overheating, explosion or fire.
- If the battery becomes hot, changes in color or gets deformed during the course of use, charging or storage, please immediately stop using and replace it.

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- Keep the battery away from dampness to prevent overheating, smoldering or erosion.
- Do not leave the battery in direct sunshine, around a car or high-temperature place because this might result in leakage or overheating. This might affect the battery's performance and shorten its life.
- Do not keep charging the battery continuously over 24 hours.



Note:

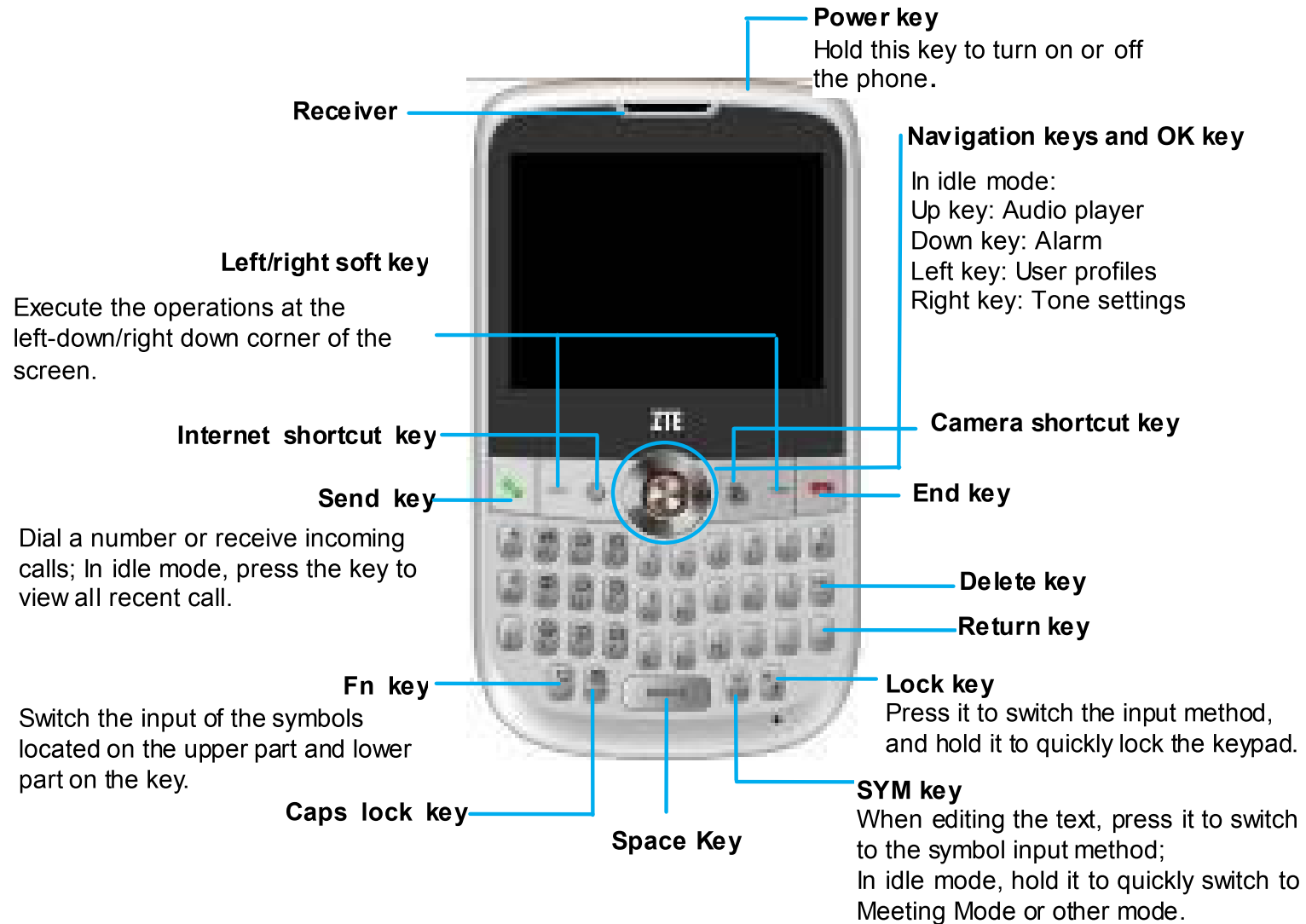
If the battery is damaged, please avoid contacting the materials in it. If your skin has contacted those materials, flush your skin with lots of water and seek for help from doctors if necessary.

Precautions for using the charger

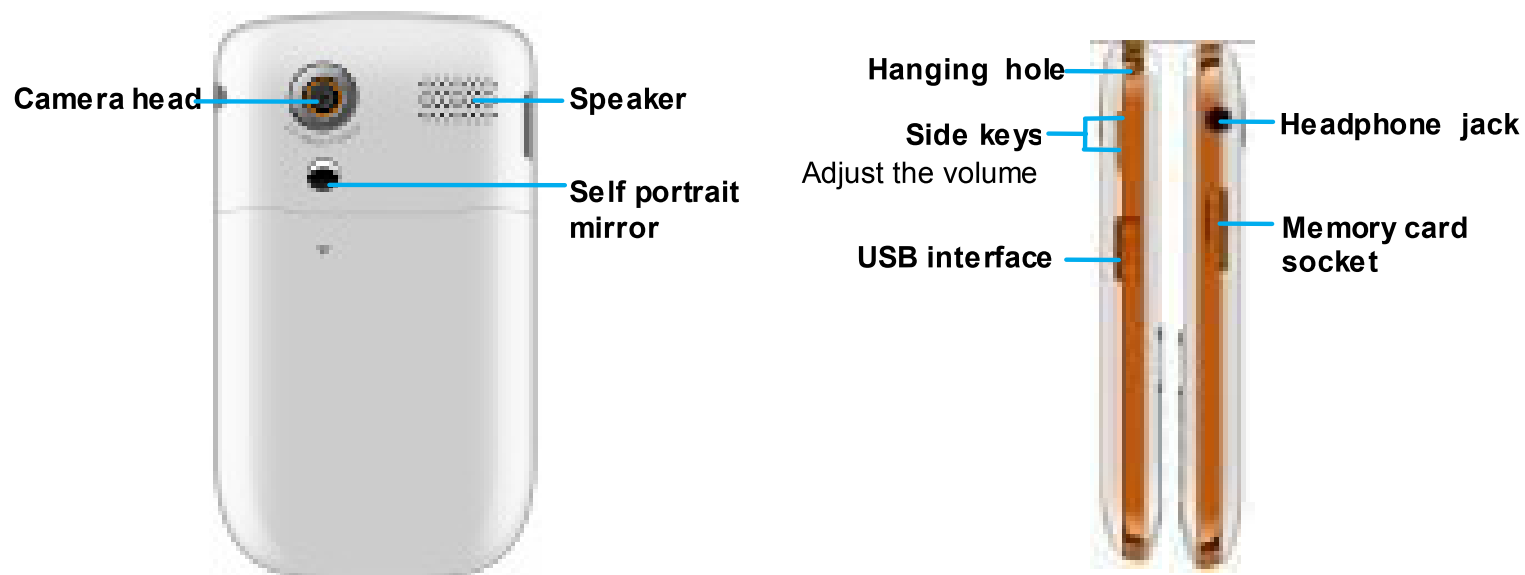
- Use the power voltage between 110VAC and 220VAC. Using the voltage beyond the range may cause leakage, fire or damage to the phone and charger.
- Do not short-circuit the charger because this might cause electric shock, smoldering or damage.

- Do not charge the battery in direct sunshine, near dampness, dust, vibration, TV set, or radio (may affect the image, sound), etc.
- Do not use the charger if the power cable is damaged because this might cause fire or electric shock.
- Do not place water containers near the charger to avoid water splashing. If water or any other kind of liquid splashes on the charger, immediately remove the charger from the power socket to avoid overheating, fire, electric shock or failure.
- Do not disassemble or reassemble the charger because this might cause body injury, electric shock, fire or damage.
- Do not touch any charger, power cable or power socket with wet hands to avoid electric shock.
- Do not place heavy objects onto power cables or refit power cable because this might cause electric shock or fire.
- Remove power plug from the socket before cleaning and maintenance.
- Hold the charger rather than pull the power cable while removing the plug from the socket because this might cause damage, electric shock or fire.

Parts Definition



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Note:

*In this user manual, “**press**” means pressing the key and then releasing; “**hold**” means pressing and holding the key for about 2 seconds or more.*

錯誤! 使用 [常用] 索引標籤將 标题 1 套用到您想要在此處顯示的文字。

Descriptions of icons on the status bar

Icons	Descriptions	Icons	Descriptions
	Network signal strength		Battery capacity
	Unread SMS		Unread MMS
	Missed calls		Call forwarding
	Roaming		GPRS connection
	Bluetooth® On		MP3 On
	Ring		Vibrate
	Vibrate then ring		Vibrate and ring
	Insert the headset		Alarm on
	Keypad locked		

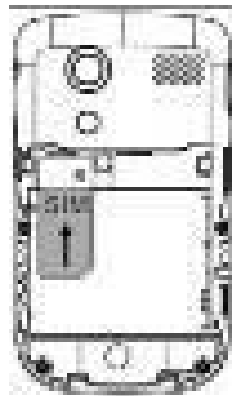
Insert and Remove SIM Card

Insert a valid SIM card into your mobile phone before use. All information regarding network connection and SIM phone book is saved in SIM card. In order to avoid the loss and damage of information saved in SIM card,

錯誤! 使用 [常用] 索引標籤將 标题 1 套用到您想要在此處顯示的文字。

please don't touch the metal surface and put SIM card far away from electricity or magnetism.

1. Turn off your mobile phone, remove the battery and disconnect the external power.
2. Insert SIM card into the socket.



3. Turn off your mobile phone and remove the battery before taking out SIM card.

Insert and Remove Memory Card



Note:

Please do not take out the memory card when performing the relevant operation on the card. Taking out the card might not only damage your card and mobile phone, but destroy the data saved in the card.

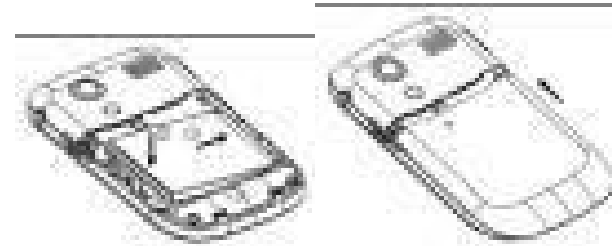
1. Open memory card cover at the right side of the phone and insert the memory card.
2. Push tightly until the card is installed in the right position and close the card cover.
3. Before you take out the card, please open the card cover and press the card inward to unlock.



Battery

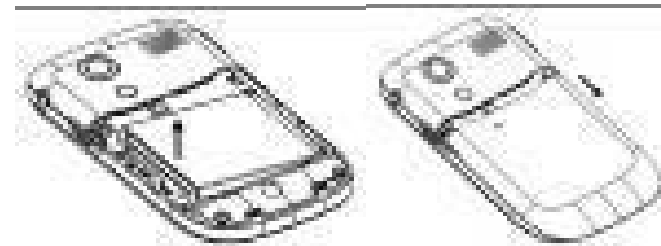
Install the battery

1. Align the battery's contact points in the direction of the arrow as shown, and Insert the battery into the slot.
2. Put on the battery cover, and push forward in the direction of the arrow as shown until it's locked.



Remove the battery

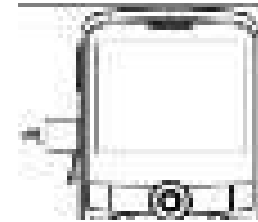
1. Turn off the mobile phone.
2. Push the battery cover in the direction of the arrow as shown and open the cover.
3. Pull the battery in the direction of the arrow as shown and take out the battery.



Charge the battery

The accompanying Li battery can be used after being unpacked. To make the battery always in its best condition, please exhaust the capacity of the battery and then fully recharge it for the first three times.

1. Connect the charger with the mobile phone through the charging interface, and insert the charger to 110V/220V power socket.
2. When the phone is powered on, the capacity indicator on up-right corner of the screen keeps scrolling during charging; when the phone is powered off, there'll be charging indication on the screen during charging. If the phone is used excessively without enough capability, the charging indicator will not immediately appear on the screen of the phone when charging starts, and the phone might not be powered on within a few minutes.
3. When the phone is on, the battery is fully charged as the capacity indicator on the up-right corner of the screen is full and doesn't flicker any longer. When the phone is off, the battery is fully charged as there is charging indication on the screen during charging. During the charging, the phone and charger may normally become hot.
4. Please disconnect the charger from your mobile phone and the socket when the charging is completed.



Power On/Off

Hold Power key until the power-on/off animation appears.

After your turn on your mobile phone, it will automatically check whether or not SIM card is inserted or usable, and shows the following information on the screen in turn:

- ◆ **Input phone lock code:** If you've set lock code.
- ◆ **Input SIM PIN:** If you've set PIN code for SIM card.



Note:

SIM card will be locked if you enter wrong PIN code three times. Then you need PUK code to unlock SIM card. The PIN code may be provided to you together with SIM card. If not, contact your network service provider. The default PIN code is normally 1234. Please replace it with your own PIN code as soon as possible.

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- ◆ **Searching:** The mobile phone will search for the available network.

錯誤! 使用 [常用] 索引標籤將 标题 1 套用到您想要在此處顯示的文字。

Menu Tree

File Manager

- Phone
- Memory card

Phonebook

Fun&Games

- Java
- Java settings
- Java default security
- Games

Extra

- Calculator
- Currency converter
- Ebook reader

Call Center

- Call history
- Call settings

Messaging

- Write message
- Inbox
- Drafts
- Outbox
- Sent messages
- Archive
- Delete messages
- Email
- Broadcast message
- Templates
- Message settings

Multimedia

- Camera
- Image viewer
- Video recorder
- Video player

Audio player

- Sound recorder
- FM radio

Services

Organizer

- Calendar
- Tasks
- Alarm
- World clock

Settings

- Pen calibration
- Phone settings
- Network settings
- Security settings
- Connectivity
- Restore factory settings
- Sound effects

User profiles

- General
- Meeting
- Outdoor
- Indoor
- Headset
- Bluetooth[®]*

Shortcuts

Descriptions of common functions

Make and receive calls

Make a call

- ◆ **Direct dial:** In idle mode, press the numeric keys to input the telephone number and press Send key to dial.
- ◆ **Dial from phonebook:** In idle mode, press right soft key to enter “Phonebook”, select the contact and press Send key to dial.
- ◆ **Dial from call logs:** In idle mode, press Send key to enter the list of call logs, select the call record and press Send key to dial.
- ◆ **Dial extension:** Sometimes you can not dial the extension directly. Dial the direct line firstly, press “P” key and then dial the extension number.
- ◆ **Dial international calls:** To dial an international call, press “+” key and then dial the country or region code, city code and phone number.

Receive a call

You can press Send key to answer the call.

Adjust the volume

During the conversation, press Side keys to adjust the voice volume; In idle mode, press Side keys to adjust the key volume.

Hands-free

During the conversation, press “H-Free” key to enter the hands-free status, and press “H-Held” to return to normal status.

Call options

During the conversation, press “Options” to enter “Phonebook”, “Messages”, etc.

Write messages

1. In idle mode, press left soft key to enter Menu, then select “Messaging”
⇒ “Write message” to edit the message text.

錯誤! 使用【常用】索引標籤將 标题 1 套用到您想要在此處顯示的文字。

2. Write your message. For more information on writing, please refer to “Input methods”.
 - ◆ If you want to add picture, sound, video etc., please press “Options” to select “Add picture”, “Add sound” or “Add video” etc.
 - ◆ If you want to send a multimedia message, please press “Options” to select “Switch to MMS”.
3. After editing the message, press “Options” to select “Send to”.
4. Select:
 - ◆ **Enter recipient:** Manually input the recipient’s number.
 - ◆ **Add from Phonebook:** Select the recipient from Phonebook.
5. **Select** “Options”⇒“Send” to send the message.

View messages

Upon receiving a message, the mobile phone indicates with ring tone, prompt, or a new message icon.

Press Left soft key “View” to open the new message. You can also go to Inbox to read the message.

1. In idle mode, press left soft key to enter main menu, then select

錯誤! 使用【常用】索引標籤將 标题 1 套用到您想要在此處顯示的文字。

“Messaging”⇒“Inbox”.

2. The list of receive messages will be displayed on the screen. Press Up/down key to select the message, and press OK key to view the contents.
3. Press “Options” to select “Reply”, “Call sender”, “Forward”, etc.

Add new contact

1. In idle mode, press left soft key to enter main menu and select “Phonebook”.
2. If you want to add a new entry to phone, please select “Add new contact”. You can edit “Name”, “Number”, “Home Number”, “Company Name”, etc.
3. If you want to add a new entry to SIM card, please move the highlight to “Add new contact”, and then select “Options”⇒“Phonebook settings”⇒“Preferred storage”⇒“SIM”. Return to “Phonebook”, and then select “Add new contact”. You need input “Name” and “Number” only.
4. Press “Done” to save after the editing.

Send and receive Email

You could send and receive Emails through GPRS after the mobile phone connects to the mail server. You have to perform the following settings before using the Emails. For different mail boxes, the settings might be slightly different. Please consult your mailbox provider. The following operation is just for your reference.

1. In idle mode, press left soft key and then click “Messaging” to select “Email”⇒“Email accounts”.
2. Select “Options”⇒“New account” to create a new account.
 - ◆ **Email address:** input your E-mail address, e.g., abc@139.com
 - ◆ **Protocol:** select “POP3” or “IMAP4” (Please consult your mailbox provider).
 - ◆ **Data account:** set TSEL-GPRS as default. You could press “Options”⇒“Select” to select.
 - ◆ **Incoming server:** input pop3.139.com (for other mailbox accounts, you need change the mail server name, or consult your mailbox provider).
 - ◆ **Outgoing server:** input smtp.139.com (for other mailbox accounts, you need change the mail server name, or consult your mailbox provider).

錯誤! 使用 [常用] 索引標籤將 标题 1 套用到您想要在此處顯示的文字。

- ◆ **User name:** remove the mail server name; e.g., just keep “abc”.
 - ◆ **Password:** the logon password you’ve set for your mailbox.
 - ◆ **Account name:** set a name randomly.
3. After the settings, select the newly created account, press “Options”
⇒ “Edit” ⇒ “Advance settings” ⇒ “Outgoing server”, and set
“Authentication” as "On". Select "Edit" to enter "Authentication" and
then set "Use POP3/IMAP" as "Yes" or "No". When setting as "No", you
could input your User name and Password.
 4. Return to "Email accounts", select the newly created account, and
press “Options” ⇒ “Activate”.
 5. After the settings, you could send/receive mails.

Use the phone as a U disk

As the phone is turned off, connect your mobile phone with PC through USB data cable. In this case, your mobile phone can be used as a U disk.

As the phone is turned on, connect your mobile phone with PC through USB data cable. If the memory card is inserted, you could select “Mass storage” and use the phone as a U disk.

Main Function list

In idle mode, press left soft key to enter the main menu. The functions marked with “*” need the support from network operators.

Functions	Descriptions	Operations
File manager	View the files saved in phone and memory card.	File manager
View contacts	Browse all contacts in phonebook, input the first letter of contact's name to quickly search for the contact.	Phonebook→View contacts among “All contacts”, “SIM contacts” and “Phone contacts”.
Add contacts	Save the telephone number and name.	Phonebook→Add new contact
Edit contact	Edit the information of existing contact.	Phonebook→Select one contact →Options→Edit
Copy contacts	Copy all contacts from SIM card to phone or from phone to SIM card.	Phonebook→Move the highlight to “Add new contact”→Options →Mass operation→Copy contacts
Move contacts	Move all contacts from SIM card to phone or from phone to SIM card.	Phonebook→Move the highlight to “Add new contact”→Options →Mass operation→Move contacts

錯誤! 使用 [常用] 索引標籤將 标题 1 套用到您想要在此處顯示的文字。

Functions	Descriptions	Operations
Delete all contacts	Delete all contacts in SIM card or phone.	Phonebook Move the highlight to “Add new contact” Options Mass operation Delete all contacts?
Preferred storage	Select the preferred storage as Phone or SIM.	Phonebook Move the highlight to “Add new contact” Options Phonebook settings Preferred storage
Speed dial	Edit 8 phone numbers and assign these numbers to the keys from 2 to 9. In idle mode, hold the numeric key to quickly dial the corresponding phone number of the numeric key.	Phonebook Move the highlight to “Add new contact” Options Phonebook settings Speed dial
Caller groups	Divide the contacts into different groups. You could add/delete the members only when they are saved in Phone.	Phonebook Caller groups
Games	The phone provides preset game. The detailed operation descriptions are in the game menu.	Fun & Games
JAVA	Get Access to Java games and applications.	1. Connect PC with the mobile phone through data cable, and

錯誤! 使用 [常用] 索引標籤將 标题 1 套用到您想要在此處顯示的文字。

Functions	Descriptions	Operations
		select "Mass storage". 2. Copy the setup program into the memory card. 3. Select the application to install. 4. Select "Launch" after the installation. 5. Enter Amusement JAVA menu to select the game.
Calculator	Simple calculation, such as add, subtract, multiply, divide, etc.	Extra Calculator
Currency converter	Set the exchange rate and account foreign currency or vice versa.	Extra Currency converter
Ebook reader	Browse TXT file.	Extra Ebook reader
View call history	View the recent incoming, missed and outgoing calls.	Call center Call history All calls / Dialed calls / Received calls/ Missed calls
Delete a call log	Delete a call log in SIM.	Call center Call history Select one call log Options Delete
View call	View the duration of last call, dialed	Call center Call history

錯誤! 使用 [常用] 索引標籤將 标题 1 套用到您想要在此處顯示的文字。

Functions	Descriptions	Operations
duration	calls and received calls.	Options Advanced Call timers
Call cost*	View the expense of last call and all calls.	Call center Call history Options Advanced Call cost
Call waiting*	You will be prompted by the network upon an incoming call if this function is activated.	Call center Call settings Call settings Call waiting
Call divert*	Forward the incoming call to designed number on a specific occasion.	Call center Call settings Call settings Call divert
Call barring*	Set the outgoing call restriction or incoming call restriction.	Call center Call Settings Call settings Call barring
Blacklist	You could edit the Black List. After you select “On” under “Mode”, the incoming call from the numbers in the Black List will be rejected.	Call center Call Settings Advance settings Blacklist
Auto redial	When selecting “On” for Auto redial, your phone will automatically redial after a while if the call is not answered.	Call center Call Settings Advance settings Auto redial
Background sound	Select the background sound when making calls. There are multiple background sounds for you to select.	Call center Call Settings Advance settings Background sound

錯誤! 使用 [常用] 索引標籤將 标题 1 套用到您想要在此處顯示的文字。

Functions	Descriptions	Operations
Send message	Send text messages/ multimedia messages to other mobile phones.	Messaging Write message
View message	Read the messages (received, unsent, sent, drafts, saved).	Messaging Inbox/ Drafts /Outbox /Sent messages /Archive
Delete message	Delete the messages in Inbox / Outbox / Sent message / Drafts / Archive or all messages.	Messaging Delete messages
Templates	Select the template to send text message or multimedia message.	Messaging Templates
Voice mail*	Let the other party to leave a message through voicemail, and check the voicemail to listen to the message.	Messaging Message settings Text message Voicemail server In idle mode, hold “1” key to call the first voice mail number.
Check memory status	Check the memory status for text message in SIM card and Phone.	Messaging Message settings Text message Memory status
Preferred storage	Save the messages in SIM card or phone.	Messaging Message settings Text message Preferred storage
Email	Send and receive E-mails.	Messaging Email

錯誤! 使用【常用】索引標籤將 标题 1 套用到您想要在此處顯示的文字。

Functions	Descriptions	Operations
Broadcast message*	Receive the messages from network operator.	Messaging  Broadcast message
Camera	Capture digital photo.	Multimedia  Camera
Image viewer	View the captured photos.	Multimedia  Image viewer
Video recorder	Record video files.	Multimedia  Video recorder
Video player	Play the video file.	Multimedia  Video player
Audio player	Play the audio file.	Multimedia  Audio player
Sound recorder	Record audio files.	Multimedia  Sound recorder
FM radio	Listen to FM broadcast.	Multimedia  FM radio
WAP	Get information about news, weather forecast, airline flights, etc.	Services  WAP
Internet services	Get access to WAP service.	Services  Internet services
Calendar	Check the calendar and schedule.	Organizer  Calendar
Tasks	Add Date, Call, Anniversary, etc.	Organizer  Tasks
Alarm	Set multiple alarms, and support power-off alarm.	Organizer  Alarm

錯誤! 使用 [常用] 索引標籤將 标题 1 套用到您想要在此處顯示的文字。

Functions	Descriptions	Operations
World clock	Browse the current time of different cities around the world.	Organizer World clock
Time and date	Set the date and time displayed on the phone.	Settings Phone settings Time and date
Schedule power on/off	Perform the action of power on/off according to the setting time.	Settings Phone settings Schedule power on/off
Language	Select the language for the menu.	Settings Phone settings Language
Wallpaper	Set the standby animation on the screen.	Settings Phone settings Display Wallpaper
Greeting text	Edit the greeting text and select to display it or not in idle mode.	Settings Phone settings Greeting text
Dedicated key	Set the shortcuts for navigation keys in idle mode.	Settings Phone settings Dedicated key
Auto update of date and time	Select whether or not update date and time automatically.	Settings Phone settings Auto update of date and time
LCD backlight	Set the backlight time and brightness.	Settings Phone settings Misc. settings LCD backlight
Network settings	Select the network and set GPRS connection.	Settings Network settings

錯誤! 使用 [常用] 索引標籤將 标题 1 套用到您想要在此處顯示的文字。

Functions	Descriptions	Operations
SIM lock	Activate PIN code to prevent SIM card from abuse. The default PIN code is normally 1234. Please replace it with your own PIN code as soon as possible.	Settings  Security settings  Security settings  SIM lock
Phone lock	Activate phone lock to prevent the phone from abuse. The default phone lock password is 1122.	Settings  Security settings  Phone lock
Fixed dial *	After this function is activated, you could only dial the number in fixed dial list.	Settings  Security settings  Security settings  Fixed dial
Keypad lock	The keypad lock would prevent the inadvertent operation caused by key press.	Settings  Security settings  Auto keypad lock In idle mode, Press End key to lock the keypad. Press Send key and click the center of the icon to unlock.
<i>Bluetooth</i> [®]	Exchange data with your phone & other Bluetooth [®] devices, and listen to music or talk hands-free with <i>Bluetooth</i> [®]	Settings  Connectivity  <i>Bluetooth</i> [®]

錯誤! 使用 [常用] 索引標籤將 标题 1 套用到您想要在此處顯示的文字。

Functions	Descriptions	Operations
	headset	
Restore factory settings	Restore the relevant parameters to factory settings.	Settings  Restore factory settings
User profiles	Perform personalized settings on ringtone, volume, ringer type, etc. according to different events and occasions.	User profiles  Select Profile (General/Meeting etc.)  Options  Activate In idle mode, hold  key to turn on or off “Meeting” mode.



Note:

When copying files from PC to Memory Card, please put the files in the relevant folder, e.g., put the music files in “My Music” folder, electronic books into “Ebook” folder and video files into “Video” folder.

Input Methods

The mobile phone supports ABC/abc input method, 123 input method and symbol input method.

Switch input method	Press  key
Input space	Press  key.
Delete inputs	Press “Clear” or  key to delete the input before the cursor and hold “Clear” to delete all inputs.
Switch caps lock	Press  key.
Line feed	Press  key.
Input letters and common symbols	There are two symbols on the keys. In ABC /abc method, press the key to input the symbol located on the lower part of the key; press  key and then press the key to input the symbol located on the upper part of the key; press  key twice and then press the key to continuously input the symbol located on the upper part of the key
Input digits	In 123 method, press the numeric keys to input the corresponding numbers.
Input symbol	During the text input, press  key to display symbol lists, press navigation keys to select the symbol, and press “OK” confirm.

Appendix

Clearance and Maintenance

Please carefully maintain your mobile phone because it is a delicately designed and manufactured product. The following advice might help you use your mobile phone correctly and prolong the mobile phone's life.

- Clean the phone, battery and charger with a soft dry cloth.
- Do not clean the phone with the liquor such as alcohol, dilution agent or benzene.
- Clean the socket from time to time because a dusty socket might cause disconnection, power failure, or even charging failure.
- Do not press the keys with needles, pen points or other sharp objects to avoid damage or malfunction.
- Do not touch the mobile phone with wet hands because this might cause electric shock, which would hurt people or damage the phone.
- Do not use or put your mobile phone in a dusty or dirty place because it may damage the components of the phone.

錯誤! 使用【常用】索引標籤將 标题 1 套用到您想要在此處顯示的文字。

- Do not put your mobile phone in a place at too high/low temperature.
- Do not put your mobile phone in or on the heating devices (microwave, oven or heat sink). The mobile phone might cause explode if it gets too hot.
- The color of the waterproof label in the phone will be changed if the phone or battery gets wet. In this case, the warranty provisions will become void even if the warranty period doesn't expire.
- If there is anything wrong with the mobile phone, battery, charger or any phone accessory, please send them to your nearest service center for inspection. The working staff in our service center will help you.

Health and Safety Information

SAR certification information

THIS MODEL MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES.

Your mobile phone is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. The guidelines were developed by independent scientific organisation ICNIRP and include margins designed to assure the protection of all persons, regardless of age and health.

These guidelines use a unit of measurement known as Specific Absorption Rate, or SAR. The SAR limit for mobile devices is 1.6 W/kg and the highest SAR value for this device when tested was¹

Position	GSM850/1900MHz (W/Kg)
Head	0.424
Body	0.36

As mobile devices offer a range of functions, they can be used in other positions, such as on the body as described in this user guide.

As SAR is measured utilising the device's highest transmitting power, the actual SAR of this device while operating is typically below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum level required to reach the network.

The World Health Organization has stated that present scientific information does not indicate the need for any special precautions for the use of mobile devices.

1. The tests are carried out in accordance with IEEE standard P1528-2003.

Body worn operation

Important safety information regarding radio frequency (RF) radiation exposure. To ensure compliance with RF exposure guidelines the phone must be used with a minimum of 1.5 cm separation from the body.

Failure to observe these instructions could result in your RF exposure exceeding the relevant guideline limits.

Limiting exposure to radio frequency (RF) fields

For individuals concerned about limiting their exposure to RF fields, the World Health Organisation (WHO) provides the following advice:

Precautionary measures: Present scientific information does not indicate the need for any special precautions for the use of mobile phones. If individuals are concerned, they might choose to limit their own or their children's RF exposure by limiting the length of calls, or using 'hands-free' devices to keep mobile phones away from the head and body.

Further information on this subject can be obtained from the WHO home page
<http://www.who.int/peh-emf> WHO Fact sheet 193: June 2000.

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 radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio for help.

錯誤! 使用 [常用] 索引標籤將 标题 1 套用到您想要在此處顯示的文字。

Failure Analysis

Symptoms	Possible Causes	Solutions
Unable to turn on the phone	Inadequate battery capacity	Charge the battery
	Poor contact	Reinstall the battery
Automatic power-off	Seriously poor battery capacity	Recharge the battery
Inadequate standby time	Decreasing of battery performance	Replace the battery
	Poor network signal	Turn off the phone as the signal is poor.
Unable to connect the network	Poor network signal	Move to other places
	Out of the service area	Make sure your phone is in network service area
Call drop	Poor network signal	Move to other places
Do not ring upon incoming calls	Set “Silent” or minimum volume	Enter “User Profiles” to set Non-silent or check the ringing volume.
Prompt to input PUK	SIM card locked due to the continuous entering of wrong PIN code for three times.	Contact your operator.