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1. Safety Precautions


Information for parents

Please read the operating instructions and safety precautions carefully before use.

Explain the content to your children and the hazards associated with using the phone.

Remember to comply with legal requirements and local restrictions when using the phone,


 for example, in aeroplanes, petrol stations, hospitals or while driving.


 Mobile phones can interfere with the functioning of medical devices such as hearing aids or pacemakers. Keep at least 20 cm (9 inches) between the phone and pacemaker.


When using the mobile phone hold it to the ear which is furthest away from the pacemaker.

For more information, consult your doctor.


Always keep the phone and accessories out of reach of small children.


 Small parts such as the SIM card, dust cap, lens ring and lens cap as well as the microSD card can be dismantled and swallowed by small children.


 Do not place the phone near to electromagnetic data carriers such as credit cards and floppy disks. Information stored on them could be lost.

 Do not look directly into the LED (such as flash LED) with optical magnifiers because of radiation. This product complies with IEC/EN 60825-1 "Safety of Laser

Products" for LED Class 1M products; such products are safe under reasonably foreseeable operating conditions.

 Permanent hearing loss may occur if you use earphones or headphones at high volume. You can adapt over time to a higher volume, which may sound normal but can be damaging to your hearing. Set your volume to a safe level. If you experience discomfort or buzzing in your ears, reduce the volume or discontinue use of your earphones or headphones.

 Ring tones, info tones and handsfree talking are reproduced through the loudspeaker. Do not hold the phone to the ear when it rings or when you have switched on the handsfree function. Otherwise you risk serious permanent damage to your hearing.

 The mains voltage (V) specified on the power supply unit must not be exceeded. Otherwise the charging device may be damaged.

The power supply must be plugged into an easily accessible AC mains power socket when charging the battery. The only way to turn off the charging device after charging the

battery is to unplug it.



You may only open the phone to replace the battery, SIM and microSD card. You must not open the battery under any circumstances. All other changes to this device are strictly prohibited and will invalidate the guarantee.



The phone may cause interference in the vicinity of TV sets, radios and PCs.



Dispose of unwanted batteries and phones as permitted by the laws in your countries.



Only use original batteries and charging devices. Otherwise you risk serious damage to health and property. The battery could explode, for instance.

All batteries can cause property damage, injury or burns if a conductive material such as jewelry, keys or beaded chains touch exposed terminals. The material may complete an electrical circuit and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside your pocket, purse or other container with metal objects.

Do not dispose of batteries in fire as they may explode.

Improper use will invalidate the guarantee! These safety instructions also apply to original accessories.

As mobile devices offer a range of functions, they can be used in positions other than the head, such as directly on the body. In this case, the limits are met too.

2. Phone Overview

Talk/yes key on the touching panel

For dialing or receiving calls. Press it in the standby mode to browse dialed calls

Selection key on the touching panel

The current functions are displayed in the bottom line of LCD. Access main menu and contacts accordingly.

Hang up key on the touching panel

For ending a call Return to the standby mode or cancel the current operation you entered from the "Menu".

Up key on the touching panel

Up key, Press it to move the cursor in the edit status. Or add the call volume in the standby mode.

Down key on the touching panel

Down key, Press it to move the cursor in the edit status. Or reduce the call volume in the standby mode.

Quit key key on the touching panel

The current functions are displayed in the bottom line of LCD. Return to the last step or cancel the letter you entered before. Access phone book and contacts accordingly.

Number keys

Press number keys (0-9) to enter numbers.

Press and hold number keys (2-9) to start speed dial.

You can also use number keys to select menus. If a number is shown before an option in menu list, you can select the option quickly by pressing the corresponding number key.

Asterisk key

Press the asterisk key to enter "**".

Press the asterisk key twice in a row to enter "+", to make an international call. Press the asterisk key three times in a row to enter "P". Press the asterisk key four times in a row to enter "W".

Press and hold the Asterisk key in idle screen to activate/deactivate the Meeting mode.

Pound key

Press the pound key to enter "#".

When in an editing screen, press the pound key to change the input method.

End key






power-on and power-off.

Connection jack

The connection jack is used to connect charger and USB cable.

Icons displayed on the main screen (Icons may be changed without further notice)

The following icons may be displayed in the first line of the screen.

	Signal strength
	Battery status
	Keypad locked
	Alarm activated
	Headset mode

3. Getting Started

What is a SIM card

When registering your mobile phone number, you will have a SIM card (Subscriber Identity Module) provided by the network operator.

The SIM card has information reserved for your use. It includes your phone number, PIN (Personal Identification Number), PIN2, PUK (password to unlock PIN), PUK2 (password to unlock PIN2), IMSI (International Mobile Subscriber Identity) number, network information, phone book data, SMS data and so on. If it is lost, contact your network operator immediately for help.

PIN code

PIN is the password provided by your network operator. It is usually 4 digits. When you input the PIN code, the screen displays “*” to replace the number entered.

PIN is used to access the SIM card. If the PIN protection function is enabled, the screen will display “Enter PIN” each time the phone is switched on. You can deactivate this feature but you risk unauthorized use of the phone. Some network operators do not permit deactivating the control.

PIN2 code

PIN2 is required for some specific functions provided by the network, such as the charge information.

Note: If you enter the PIN incorrectly three times in a row, the SIM card will be locked. Please contact your network operator immediately for decoding. Attempting to decode by yourself may result in the permanent failure of the SIM card.

PUK code

PUK (Personal Unblocking Key, 8-digit) unlocks a locked PIN. If you enter the PUK incorrectly ten times in a row, the SIM card will become invalid. Please contact your network operator for a new SIM card.

Installing the SIM card

1. Press and hold the ending key to turn off the phone.
2. Remove the battery cover and then the battery.
3. Insert the SIM card into the card holder. Ensure that the cut corner is at the top left

and the metal contacts face the phone.

4. Re-install the battery. Place the battery cover onto the back of your phone and slide it forward until the latch catches the cover.

Note: A SIM card can be easily damaged if its metal contacts become scratched.

Therefore, take special care when holding or inserting it and keep it away from small children.

Charging the battery

The battery is not fully charged when first unpacked. It takes three charging-discharging cycles for the battery to reach its peak performance. The battery can be charged and discharged hundreds of times. However, the capacity of the battery will be reduced each time it is charged/emptied, and it will eventually wear out. When the talk time and the standby time are noticeably shorter than normal, replace the battery. Use original batteries and charging devices only.

Unplug the charger from the outlet and the phone when not in use. Do not leave a fully-charged battery connected to a charger because overcharging may shorten the lifetime of the battery. If unused, a fully-charged battery will lose its charge over time. If the battery is completely discharged, the charging may not start immediately when you plug in the connector. Wait 10 to 15 minutes for the phone to begin charging.

Use the battery only for its intended purpose. Never use any charger or battery that is damaged.

Do not short-circuit the battery. An accidental short circuit may occur when a metallic object such as a coin, clip or pen causes the direct connection of the positive (+) and negative (-) terminals of the battery, for example, when you carry a spare battery in your pocket or purse. Short circuit may damage the battery and the connecting object.

Storage at too high or low temperatures will result in a gradual capacity loss. As a result the operating time of your mobile phone may be considerably reduced, even after the battery is fully charged.

Do not dispose of batteries in a fire as they may explode. Batteries may also explode if damaged. Dispose of unwanted batteries and phones as permitted by the laws in your countries.

Battery type	Standby time	Call duration
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Li-ion battery	200 hours	More than 3 hours
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Note: The actual operation time of a battery varies based on the operation mode, network settings and call settings.

Charge a battery according to the following steps:

1. Connect the charger to the connection jack of the phone in proper direction, and connect the charger to a main socket.
2. The phone displays "Charger Connected!" and starts charging after properly connected. The battery icon dynamically displays the charging process. In switch-off state, the phone dynamically displays the charging process.
3. When the battery is fully charged, the charging process stops automatically, and the battery icon indicates full grid on the screen. After the battery is fully charged, remove the charger from the phone and socket as soon as possible.

Note:

- After the phone has run out of battery, we recommend that you recharge the battery in time. If you do not recharge the battery in two days, the phone may enter the slow charging mode. When you recharge the battery, there may be no display temporarily. After about 10 minutes, the charging indicator icon is displayed on the screen of the phone. If you do not recharge the battery more than two days, the battery may enter the overdischarge protection state. Thus, in order to get the battery into normal charging mode quickly, we recommend that you charge the battery on an adapter to activate the battery for charging, and then charge the battery with the phone. Alternatively, you can charge the battery with the adapter.
- Do not change the parts and accessories of the battery by yourself or take off the battery cover for safety.
- Use only original batteries and charging devices. Otherwise you risk serious damage to health and property.
- The temperature range for charging a battery is -10°C -45°C. Do not charge batteries in too high or too low temperature.
- Do not use the phone while charging.
- It takes approximately four hours to fully charge a battery. Remove the charger quickly after the battery is fully charged.

T-Flash card

T-Flash card is a kind of multimedia memory card. You can connect the phone to a computer with a USB cable to copy and move files between the T-Flash card and the computer. You can also browse photo, audio and video files stored in the phone or T-Flash card by the computer. Plug the smaller end of the USB cable into the data cable jack of the phone, and the bigger end into the USB port of the computer. The GSM mobile phone shall only be connected to a USB interface of version 2.0 or higher.

Switching the phone on

Press and hold the ending key to turn the phone on. The phone will automatically search for the network, if there is no password protection for the SIM card and the phone. After the phone is registered on the network, the name of the service provider will be displayed on the idle screen. Then you can make or answer a call.

The phone remains in searching state if it fails to find the available network system temporarily.

After the phone is switched on, if a password is required, enter the correct PIN code and press the Selection key for confirmation. After unlocked, the phone will display the name of the registered network and the signal strength. Contact your network operator if you do not know the PIN code. The default password of the phone is "0000".

After the phone is switched on, if it displays "Insert SIM Card" on the screen, press and hold the ending key to turn the phone off, and check whether the SIM card is properly inserted.

Switching the phone off

Press and hold the ending key to turn the phone off. After the switch-off animation is displayed on the screen, the phone will be switched off.

Do not attempt to turn the phone off by directly taking out the battery.

4. Text Entry

When an editing screen is displayed, the current text input method is indicated in the upper left corner of the display. To have more options to enter text, do one of the following ways to select the desired input methods:

- Go to **Settings > Phone settings > Preset input methods**.
- In editing screen, select **Options > Input method**.

Changing the input method

Press the pound key repeatedly to select an input method.

Inserting symbols

Press the asterisk key and select the required symbols.

Numeric

When the input method icon is shown as "123", input numbers directly with number keys.

Note: While using the numeric input method, you need to switch to other text input methods to insert a space by pressing number key 0.

Multitap ABC and abc

Press a number key (2-9) repeatedly until the required letter appears in the text. Press a key once to input the first letter listed on the key, press it twice quickly to input the second letter, and so on.

Press number key 0 to insert a space. Press number key 0 twice to enter 0.

Smart ABC and abc

Press each key associated with the letter you want to enter only once. The letters you have entered appear at the bottom of screen. The candidate words change with each key you press.

Apart from Multitap ABC/abc and Smart ABC/abc, the phone also provides Multitap Pin Yin, Simplified Chinese stroke, Smart Pin Yin, Multitap ES/es, Smart ES/es.

5. Calling

Making a call

In idle screen, after entering a phone number, press the calling key to make a call by SIM1 or SIM2.

Press the ending key to end a call.

Making an international call

- 1 . Press the asterisk key twice in a row to enter "+".
- 2 . Enter the country code, area code and phone number.
- 3 . Press the calling key.

Dialing an extension number

Enter the number, and then press the asterisk key three times in a row to enter "P", or press the asterisk key four times in a row to enter "W". Then enter the extension number.

Making a call from phone book

- 4 . Select **Quick search**, scroll and select a contact person
- 5 . Press the calling key.

Dialing a previous number

- 6 . In idle screen, press the calling key to display Call logs of SIM1 and SIM2.
- 7 . Press the up and down on the touching panel to select a number.
- 8 . Press the calling key to make a call from the SIM1 or SIM2 card.

Dialing a speed dial number

In idle screen, press and hold the corresponding number (2-9) in the speed dial list to make a call. Note that number key 1 is reserved for the voice mail number.

To set speed dial,

- 9 . Edit the speed dial numbers in **Settings > Call Settings > Speed dial > Set number > Options > Edit**.
- 10 . Go to **Settings > Call Settings > Speed dial > Enable speed dial** to enable the function.

Listening to voice mail

Press and hold number key 1.

You need to set the voice mail number and store it on your SIM card. To set the number,

go to **Messages > Voice mailbox**, select one SIM card, press **Options** and then **Edit**.

Answering a call

- Press the calling key.
- Press the Selection key, or select **Options** and **Answer**.

Ending a call

Press the ending key.

Rejecting a call

- Press the ending key.
- Select **Reject**.

Call options

Press **Options** during a call for more options. Options vary depending on the current situation.

Hold single call	Hold the current call.
End single call	End the current call.
New call	Add a new call and talk with more than one party at a time.
Phonebook	Use Phonebook to search for numbers.
Message center	Read/write a message during a call.
Sound recorder	Record the call.
Mute	The person on the other end of the line cannot hear you (muting).
DTMF	Enter tone sequences (number) for remote inquiries to an answering machine.

Dual-SIM card dual-standby call

When both SIM1 and SIM2 cards of a mobile phone are in standby state on the network, and the SIM1/SIM2 card is being used for a call, any call of the other SIM2/SIM1 card cannot be connected.

6. Menus

6.1 Call log

1. SIM1 call history

Viewing Call History

In idle screen, press the calling key or go to **Call log > SIM1 call history > SIM1 missed calls/ SIM1 dialed calls/ SIM1 received calls**, to view the call logs.

Select a call from the list. When the call is displayed, press the calling key to call the number, or press the Selection key to view the details of the call. Select **Options** for more options.

Send SMS	Send a short message to the record.
Send MMS	Send a multimedia message to the record.
Save	Save the selected number to the SIM1 card, the SIM2 card or the phone.
Delete	Delete the select number from the list.
Dial	Dial the selected number.
Edit	Edit the selected number and save it.
Call info	The information for this record.

Delete SIM1 call log: Delete all missed calls, all dialed calls or all received calls, or all call records on the SIM1 card.

SIM1 call duration: View **Last call time**, **Total sent** and **Total received**, or **Reset all time** of the SIM1 card.

SIM1 call cost: View **Last call cost** and **Total cost** of the SIM1 card. You can also reset cost and set the maximum cost and the price per unit of the SIM1 card. You may be required to enter the PIN2 code to activate this function. It requires network support.

SIM1 SMS counter: View and reset the numbers of short messages sent and received on the SIM1 card.

SIM1 GPRS counter: View the volume of GPRS last sent, last received, all sent and all received on the SIM1 card. You can also reset the contents of the counter on the SIM1 card. The unit is Byte.

2. SIM2 call history

For the detailed information of SIM2 call history, please refer to the contents in “**SIM1 call history**”.

6.2 Contacts

The phone provides two kinds of storage media: SIM card and phone. The phone can store 500 entries. The capacity of the phone book on your SIM card depends on the type of SIM card provided by your network operator.

Enter a number in idle screen and press Selection key to save the number. Select the storage location. Then the edit interface appears. If To SIM1 or To SIM2 is selected, you need to edit the name and phone number only. If To phone is selected, you need to edit the items that you set in the settings of phone book, including the name, number, home number, company name, email address, office number, fax number, birthday, associate image, associate video, associate ring and caller group.

The small icon on the left of the phone book list indicates whether the record is stored on the SIM1 card, the SIM2 card or the phone.

Dial	Directly call the phone number.
SIM1 IP dial	Dial IP phone number by the SIM1 card.
SIM2 IP dial	Dial IP phone number by the SIM2 card.
Send SMS	Fill entry and send SMS to default phone number.
Send MMS	Fill entry and send MMS to default phone number.
View	View the detailed information of the record.
Edit	Edit the options included in a phone book record.
Delete	Delete the record.
Copy	Copy the record from the current storage to the other storage.
Move	Move the record from the current storage to the other storage.
Duplicate	Copy the record to the current storage.
Send vCard	Send vCard by SMS/MMS/Bluetooth or save it to file.

There are the following options if you access the phone book from menu.

Quick search	This option allows quick search through phone book. Enter the first letter. Then all the records starting with such letter are displayed.
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View phonebook	View the number of the contacts in SIM1、SIM2 and the Phone.
Phonebook backup	Import or Export multiple contacts.
Search contact	This option lets you search for a specific record.
Add new contact	Add a new phone number to SIM1, SIM2 or phone.
Copy	Copy all the records from SIM1 to phone, from phone to SIM1, from SIM2 to phone, from phone to SIM2, from SIM1 to SIM2, and from SIM2 to SIM1; Copy several contacts which you have selected.
Delete	You can choose to delete all the records from the SIM1 card, SIM2 card or phone, delete them one by one, or delete several certain contacts you want. Note: If you want to delete all records at once, the phone password is required, which is "0000" by default.
Caller groups	A caller group is the combination of phone settings used to identify a particular group of records. The phone provides five call groups: Friends, Family, VIP, Business and Others. You can manage and edit the details of caller groups.
Extra numbers	Set the SIM1 owner number, SIM2 owner number, SIM1 service dialing number and SIM2 service dialing number, SIM1 SOS number and SIM2 SOS number.
Settings	View the memory status. Set the preferred storage of new numbers. Select the items required to be added when adding new numbers to the phone. Edit and send your own vCard. Select vCard version.
Caller image	Set an associate picture to a new contact, selected contact or caller group.
Caller ringtone	Set an associate ring tone to a new contact, selected contact or caller group.

Caller video	Set an associate video to a new contact, selected contact or caller group.
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6.3 profiles

The phone provide several pre-defined user profiles that allow the operations of the phone to best suit the environment you are in. The profiles are General, Meeting, Outdoor, Indoor, Headset, Bluetooth, and Silent. The phone will automatically enter the headset profile if you connect the headset.

Note: There is an extra silent mode which can be accessed by the following steps. To activate that profile, go back to the idle screen, press and hold the pound key until the phone gives you a prompt.

You can customize the following options for new profiles.

Tone settings	Set SIM1 incoming call, SIM2 incoming call, Power on, Power off, SIM1 message tone, SIM2 message tone and Keypad tone .
Volume	Set volume for ring tone and key tone.
Alert type	Four types of Ring only, Vibration only, Vibration and ring and Vibration then ring are available for your selection.
Ring type	Three types of Once, Repeat and Ascending are available for your selection.
Extra tone	You can select one or more extra tones. The options are Warning, Error, and Call Connection .
Answer mode	If Any key is selected, you can press any key to answer a call.

6.4 Browser

6.4.1 STK

STK is shown only if it is provided by your SIM card. For further details, please contact your network operator.

6.4.2 WAP

With the WAP function, you can use the phone to surf the Internet.

Homepage	Connect browser to a homepage you set.
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Bookmarks	The phone displays a list of stored bookmarks. To add a page to bookmarks, go to Bookmarks > Options > Add new bookmark .
Web history	The phone displays the recently-visited pages.
Stored Web	Include the web address which has been saved while you were browsing the web.
Input address	Enter the URL for direct connection to an Internet address.
Service inbox	This function means the service provider will send WAP content to your phone without any operation from you. For example, you can obtain the latest news or new WAP setting from the service provider.
Settings	Set the browser settings, including Select SIM, Edit profile, Browser options, Service message settings, Clear cache, Clear cookies and Trusted certificates .

6.4.3 Data account

The function is used to set account information.

GSM data	Press Edit to set Account name, Number, User name, Password, Line type, Speed and DNS .
GPRS	Press Edit to set Account name, APN, User name, Password and Auth. type .

6.5 Messages

6.5.1 SMS

The phone supports Short Messaging Service (SMS) and Enhanced Message Service (EMS). You can send text messages and manage the messages that you sent and received. If the memory for short messages is not full, short messages will be directly saved in the SIM card. A flashing envelop icon will appear on the top of the main screen if the memory is full.

1. Inbox

Incoming short messages are saved in inbox.

Reply	Reply the short message.
Delete	Delete the short message.

Edit	Edit the short message.
Forward	Forward this short message to others.
Copy to SIM/phone	Copy this short message to SIM or phone.
Move to SIM/phone	Move this short message to SIM or phone.
Delete all	Before opening the SMS, you can Delete all short messages in inbox.
Copy all	Before opening the SMS, you can Copy all short messages from SIM or from phone.
Move all	Before opening the SMS, you can Move all short messages from SIM or from phone.
Use number	Extract the number in the short message.
Use URL	Extract the URL information in the short message.
Use Email address	Extract the Email address information in the short message.

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

2. Outbox

Short messages successfully sent, not sent and to be sent are saved here.

3. Write message

Create a new short message.

1. Enter text.
2. select the required items, including **SIM1 done**, **SIM2 done**, **Use templates**, **Insert object**, **Insert number**, **Insert contact**, **Insert bookmark** and **Input method**.
3. select **SIM1 done** or **SIM2 done** for send options.

Send only	Send the short message to the corresponding recipient.
Save and Send	Send the SMS and save it into Outbox.
Save	Do not send the SMS and just save it into Outbox.
Send to many	Send the short message to several recipients.

Send by groups	Send the short message to each member of the corresponding caller group.
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4. Templates

The phone provides ten templates of text message.

5. SMS settings

Set the following settings of short messages.

Profile settings	Set profile name, SMSC number, validity period and message type.
Common settings	Enable or disable the delivery report and reply path of short messages.
Memory status	View the memory usage ratio of the SIM card and phone for short messages.
Preferred storage	Set to save short messages to the SIM card or to the phone.

6.5.2 MMS

The phone also supports Multimedia Message Service (MMS), which is a network service. It enables you to send messages with images, sounds and texts. Ask your service provider whether this service is available. You may need to subscribe to the service from your network operator before sending and receiving multimedia message.

All multimedia messages are stored in the memory of the phone. The SIM card cannot store multimedia messages.

1. Write message

Create a new multimedia message.

1. Enter recipients in **To** by pressing the Selection key on the touching panel (**Edit**). Confirm with **Done**.
2. Enter a subject in **Subject** by selecting **Edit**. Press the Selection key on the touching panel (**Options**) and select **Done**.
3. Enter text in **Edit content** by selecting **Edit**.
4. select the items you want to send, including images (**Add picture**), audios (**Add audio**), videos (**Add video**), files in other formats (**Add attachment**), and bookmarks (**Add bookmark text**) and so on.

5. Confirm the contents by selecting **Options** and **Done**.

6.

Send Only	Just send the MMS and do not save it.
Save and send	Send the MMS and save it in Sent.
Save to Drafts	Save the MMS in Draft.
Save as template	Save the MMS as a template.
Send options	Several useful function for this MMS, they are Validity period, Delivery report, Read report and Priority.
Exit	Exit the editing of MMS. A message will appear to ask you whether to save the MMS.

2. Inbox

Incoming multimedia messages are saved in inbox.

3. Outbox

You can view or process the multimedia messages which have not been sent successfully.

4. Drafts

You can save a multimedia message as draft while creating it.

5. Templates

Besides user-defined templates, the phone provides five templates of multimedia message in **Default**.

6. MMS settings

Set the following settings of multimedia messages.

Compose	Set how a multimedia message is composed, including creation mode, picture resizing and auto signature.
Send	Set validity period, delivery report, read report, priority, slide timing and delivery time for sending multimedia messages.
Retrieve	Set home network, roaming, read report and delivery report for receiving multimedia messages.
Filter	Your phone will reject multimedia messages that meet the selected filter criteria here.

Server profile	Activate and edit the server profile. Please contact your service provider for settings.
Memory status	View the memory usage ratio, used space and free space for multimedia messages.

6.5.3 Email

You can send and receive emails in **Email**.

6.5.4 Voice mailbox

Dial the voice mail number to access your voice mail. The number is provided by your network operator.

Connect to voice mailbox	Connect to the current voice mailbox number.
Edit	Add or change the voice mailbox number.

Note: The voice mail function requires network support.

6.5.6 Cell Broadcast

Broadcast messages are messages that your network operator broadcasts to all users within a particular area, such as weather forecast and transportation conditions.

Receive mode	Enable or disable the function.
Read message	Scroll to read broadcast messages.
Languages	Set languages for cell broadcast information. Only information in the set language can be received.
Channel settings	Select the channel of cell broadcast.

For more information about available channels and the information they provide, contact your network operator.

6.6 Multimedia

6.6.1 Camera

The phone is provided with a built-in 3.2 mega pixel CMOS camera at the back, which supports the photographing and video shooting functions. Pictures are saved in the file system of the phone. The file is in the *.jpg format. You can send the pictures taken by the MMS/Bluetooth/Email function provided by the phone.

While in camera mode, press the Selection key to set the camera. Then save the settings.

Aim the camera lens at the place/object, and then press the Selection key to take a photo. Keep the camera lens steady for a while for the image quality. After photographing, the still scenery just taken is displayed on the screen.

Switch to video camera	Switch to video recorder by selecting this option.
My files	View the saved pictures.
Resolution	Select the size for capturing picture.
Burst	Contain "Off", "1 shot" and "Burst shot" options, it will capture 9 images every time if you select the last option.
Self-timer	Take a picture of yours by yourself.
Scene mode	Select pre-defined settings for the current environment.
White balance	Set light condition.
Flash	Turn the flash "on"/"off", or select "auto" to consider by phone self
Effect settings	Select the effect of photo display.
Camera settings	Set Image quality, shutter sound, storage, EV, banding and Restore default.

6.6.2 Image viewer

Pictures taken can be accessed quickly in **Image viewer**. Select **Options** for available options while viewing pictures.

View	Browse the pictures saved here.
Image information	You can browse the detailed photo information here.
Browse style	Select List style or Matrix style .
Forward	Set the photo as wallpaper, screen saver, power on display, power off display or associate picture in phone book. You can also send it through MMS、 Bluetooth and Email.
Rename	Rename the picture.
Delete	Delete the picture.

Delete all files	Delete all the pictures saved here.
Sort by	Sort the pictures by name, type, time, size or none.
Storage	Set the storage location of the picture.

6.6.3 Photo Editor

1. Photo Artist

You can edit the pictures stored on your phone or memory card.

1. Select **Photo artist** and locate an image file.
2. Select **Auto resize** for more options. Select **Main LCD clip** to clip the image file by pressing up and down.

Image tiles

2 or 4 or 9 image tiles can be selected.

6.6.4 Video recorder

Video recorder is used for video shooting. Press the Selection key to start shooting, pause or resume. Options for **Video recorder** are listed below.

Switch to camera	Switch to still camera.
My files	View the videos you have recorded.
Resolution	The size for your recording.
Night mode	The handset will record video in night mode if this function is in on status.
White balance	Set light condition.
Effect settings	Select the effect of video display.
Video settings	Set Video quality, Record audio, Storage, EV, Banding, Video size, Encode format, Restore default.

6.6.5 Video player

Video player allows you to browse or process video recording files. Press the Selection key to play, pause or resume. Press the asterisk key to switch between full screen and half screen.

6.6.6 Audio player

Audio player allows you to play audio files.

The phone supports T-Flash memory card. You need to save downloaded music files to

directory **My Music**, so that they can be played normally.

6.6.7 Sound recorder

You can record sound, play, append, rename, delete, and delete all files. Also you can make settings and forward the sound to User profiles, MMS, Email and Bluetooth. Your phone supports three kinds of recording formats: AWB, AMR and WAV. Select a format from **Settings** in **Options**. A call may also be recorded and saved to the phone or the memory card.

6.6.8 Compose melody

You can edit melody compose here.

6.6.9 FM radio

list of channel : choose or edit list of channel
hand input : input channel by hand
auto-search and set : auto-search the channel and renewal list of channel
setting : turn on/off backdrop play, the loudspeaker of phone
left/right key : execute corresponding function below the display

REMARK: FM needs earphone

This option allows you to listen to FM radio.

Channel list	Edit channel list.
Manual input	Input the channel manually.
Preset auto search	Set automatic searching for channels.
Settings	Set background play and loud speaker.

6.6.10 Fun & Games

Apart from Java application, the phone provides **Puzzle** and **Bloxorz**. Read **Help** to know how to play the game. You can set BGM, sound effect and vibration in **Games settings**.

6.7 Tools

6.7.1 Calendar

You can enter events in the calendar.

In the calendar interface, press the up and down on the touching panel to scroll to different weeks.

View tasks	View or edit event memos for the day.
Add task	Add event memos.
Jump to date	Enter a specific date to be located and the cursor will jump to the date quickly.
Go to weekly view	View the tasks in a week.

6.7.2 To-do list

If activated, the phone rings as a reminder when the set time arrives. You can view, add, edit and delete task if required.

6.7.3 Alarm

You can set five types of alarm clock time if required. Then the alarm icon will be displayed on the idle screen.

Scroll to an alarm and select **Edit** for settings. You can set whether to enable the alarm, the ring time, repetition mode, audio options, snooze minutes and alert type.

6.7.4 Calculator

1. Enter the amount to be calculated. Press the pound key to enter decimal points.
2. Use navigation keys to operate and Selection key to get the result.

6.7.5 Currency converter

3. Set the exchange rate and confirm with the Selection key.
4. Enter the amount to be converted in **Local**. Confirm with the Selection key. The amount in the other currency is displayed in **Foreign**.

6.7.6 World clock

You can check the current local date and time of major cities in the world.

6.7.7 E-Book reader

The phone supports reading files in the *.txt format, which is ideal for reading an e-Book. Store the *.txt files in the **E-book** folder, and then you can read them in **E-Book reader**.

6.8 My files

You can use **File manager** to organize your files in folders.

If a memory card is inserted, the files stored on it are organized separately.

Select **Phone** or **Memory card** and select **Options** to browse, copy, delete, and move the files in folders.

6.9 Settings

6.9.1 Dual SIM settings

Set **Dual SIM enabled**, **Only SIM1 enabled**, **Only SIM2 enabled** or **Flight mode**.

When you are on a flight where the use of mobile phones is prohibited, select flight mode so that the phone will not connect to any network. However, alarm and calendar reminder will remain on. You can still use the entertainment features such as audio player and camera in flight mode.

6.9.2 Phone settings

1. Time and date

Set home city	Set your time zone.
Set time/date	Set the time and the date.
Set format	Set the format for the time and the data.

2. Schedule power on/off

Set the time to power on/off the phone automatically.

Warning: In specific areas where the use of phone is prohibited (such as in aeroplanes), please remember to disable the automatic switch-on function before entering the areas to prevent unexpected accidents.

3. Language

Set current display language.

4. Preferred input methods

Set input method for text entry.

5. Greeting text

If activated, the greeting text appears when the phone is turned on.

You can edit the greeting text.

6. Shortcuts

A list of shortcuts is displayed for you to access quickly.

In the shortcut list, press the up and down on the touching panel or the number keys to access the designated function.

Select **Options** to edit the selected shortcut.

7. Dedicated key

You can assign the navigation key as shortcuts to important functions. Press the

corresponding navigation key in idle screen to start the function.

8. Auto update of date and time

This function requires network support.

If activated, the time zone is switched automatically to local time by the network.

9. LCD backlight

Set the brightness and time of LCD backlight. LCD backlight will be automatically off if the phone is not operated within a specific time period.

6.9.3 Standby modes settings

There are many options which are listed below.

Wallpaper	Set the standby image of the phone.
Screen saver	Set the waiting time and image for the screen saver.
Power-on display	Set the animation displayed when the phone is turned on.
Power-off display	Set the animation displayed when the phone is turned off.
Show date and time	If activated, date and time are displayed on the idle screen.
Show owner number	If activated, the phone number is displayed on the idle screen.
Screen switch effect	Set on/ off for this function.
Effect switch Choose	After switching on this effect, you can set effect switch choice.
Clock type	Analog clock or Digital clock can be selected.

6.9.4 Call settings

1. SIM1 call settings

Caller ID

When you make a call, your number can be shown or hidden on the display of the called party. Select **Set by network** to use the default setting provided by the network operator. You may not be able to make calls if you select **Hide ID**, depending on the network setting.

Call waiting

Activate	If activated, an incoming call is signaled by a call waiting tone when you are on another call. The number/name of the incoming call is displayed.
Deactivate	Cancel the call waiting function.
Query status	Inquire the current status from the network.

Call divert

You can specify the conditions under which calls should be diverted to your voice mail box or another number.

Divert all voice calls	All calls are diverted.
Divert if unreachable	A call is diverted if the phone is switched off or is out of range.
Divert if no answer	A call is diverted if not answered.
Divert if busy	A call is diverted if another call is in progress.
Divert all data calls	All data calls are diverted.
Cancel all divert	Cancel all call divert settings.

Call barring

Restrict the dialing or receiving of certain calls. To activate or cancel call barring, you have to enter the network password provided by your network operator.

Outgoing calls	If All calls is activated, no calls can be made. If International calls is activated, no international calls can be made. If International calls except to home country is activated, only local calls or calls to the home country (that is, the country to which the network operator belongs) can be made.
Incoming calls	If All calls is activated, no calls can be received. If When roaming is activated, you may not receive calls when you are outside your home network.
Cancel all	Cancel all restrictions to calls. Password from your network operator is required.
Change barring password	Change barring password. The original barring password is required.

Line switching

Switch to Line 1 or Line 2.

Note: If you select Line2, whether you can make calls is dependent on the network operator.

Closed user group

This function requires network support.

5. Select **OK** to display **Group list**.
6. Select **Add** to enter group name.
7. Select **Done** and enter the serial number.
8. Select **OK** to complete the addition of a new group.

2. SIM2 call settings

For the detailed information of SIM2 call settings, please refer to the contents in “**SIM1 call settings**”.

3. Auto redial

Once activated, the phone will automatically redial, if there is no answer for a number you have dialed.

4. Speed dial

You can assign number keys 2 to 9 as shortcuts to important phone numbers. Press and hold a corresponding number key in idle screen to dial the number.

Note: Number key 1 is pre defined as the speed dial key for the voice mail number. You cannot change this function.

5. IP dial

Three sets of IP numbers may be set.

6. More

Call duration display	Choose whether to display the current call duration during a call.
Call time reminder	If activated, the phone beeps at the interval time you set during a call.
Auto end	Choose whether to activate the auto quick end function, and set the duration.

6.9.5 Network settings

It requires network support.

The network that your phone uses is configured automatically. When turned 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. When outside the coverage of your regular network, you can manually select the local network system.

1. SIM1 network settings

Network selection

Automatic	The phone will scan for the available network when you are outside the home network.
Manual	The phone will list all networks for you to choose from when you are outside the home network.

Preferred networks

Select the preferred network operator. The default is the network of your SIM card.

2. SIM2 network settings

For the detailed information of SIM2 network settings, please refer to the contents in “SIM1 network settings”.

6.9.6 Security settings

The phone provides several codes to protect your phone against misuse.

1. SIM1 security settings

SIM1 lock	The SIM1 card is protected against misuse by the PIN code. SIM1 card lock may be set after you enter the PIN code correctly.
Fixed dial	You can define a list of numbers that can be dialed by SIM1. Numbers not included in this list cannot be dialed by SIM1. Note: The SIM1 PIN2 code is required. Once the PIN2 code is entered when the phone is turned on, it is no longer required until next time the phone is turned on.
Barred dial	It requires network support. If the SIM card supports this function, you may restrict the numbers for outgoing calls. If activated, your phone may not call the numbers in the Fixed dial list. The PIN2 code is required for this setting.

Change Password	Set new passwords, including SIM1 PIN and SIM1 PIN2.
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2. SIM2 security settings

For the detailed information of SIM2 security settings, please refer to the contents in "SIM1 security settings".

3. Phone lock

If the phone lock is activated, the phone lock password is requested after the phone is switched on. The default password is "0000". If the phone is locked, only emergency calls can be made.

4. Auto keypad lock

Keypad lock prevents the inadvertent phone usage. However, you can still be called and you can make emergency calls.

5. Change password

Set new phone password.

6.9.7 Bluetooth

You can connect wirelessly to other compatible devices with wireless Bluetooth technology. Compatible devices may include mobile phones, computers and enhancements such as headsets and car kits. You can use Bluetooth connectivity to send images, video clips, music, sound clips and notes. Since devices with Bluetooth wireless technology communicate by radio waves, your device and the other device do not need to be in direct line-of-sight. The two devices only need to be within 10 meters (33 feet) of each other, but the connection may be subject to the interference from obstructions such as walls or other electronic devices.

6.9.8 Restore factory settings

Reset the phone to default values (factory settings).

The phone password is required, which is "1122" by default.

7. Appendix I Troubleshooting

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

Problem	Possible causes	Possible solution
Poor reception	The network signal is too weak at your current location, for example, in a basement or near a tall building, because wireless transmissions cannot effectively reach it.	Move to a location where the network signal can be properly received.
	The network is busy at the current time, for example, during peak times, because there may be too much network traffic to handle additional calls.	Avoid using the phone at such time, or try again after waiting a short time.
	You are too far away from a base station for your service provider.	You can request a service area map from your service provider.
Echo or noise	Poor network trunk quality on the part of your service provider.	Press the ending key and dial again. You may be switched to a better-quality network trunk or phone line.
	Poor local telephone line quality	Press the ending key and dial again. You may be switched to a better-quality network trunk or phone line.
Battery will not	The battery or battery charger is damaged.	Contact the dealer.

charge.	The temperature of the phone is below -10°C or higher than 45°C.	Adjust the battery charging environment to avoid extremes of temperature.
	Poor contact between the battery and charger.	Check all connectors to make sure all connections have been properly made.
Shortened standby time	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.	If you are located in an area where signaling is weak, temporarily switch off the phone.
	The battery is depleted. In high temperature environments, battery life will be shortened.	Use a new battery.
	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.	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 battery.
SIM card error	SIM card malfunction or damage	Take the SIM card to your service provider for testing.
	SIM card is inserted improperly.	Insert the SIM card properly.
	Debris on the SIM card contacts	Use a soft and dry cloth to clean the SIM card contacts.
Unable to	SIM card invalid.	Contact your service provider.

connect to the network.	You are not within the service area of the network.	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 call barring feature.	Go to Settings > Call Settings> SIM1/SIM2 call settings > Call barring , and then select Cancel all .
You cannot make outgoing calls.	You have activated the call barring feature.	Go to Settings > Call Settings> SIM1/SIM2 call settings > Call barring , and then select Cancel all .
	You have activated the fixed dial number feature.	Go to Settings > Security settings > SIM1/SIM2 security settings > Fixed dial , and select Off to disable this feature.
PIN Code is blocked.	You have entered an incorrect PIN code three consecutive times.	Contact your service provider. If the service provider provides the PUK code of the SIM card, use the PUK code to unlock the SIM card.
Unable to enter information into the phone book.	The memory of the phone book is already full.	Delete unnecessary data from the phone book.
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.

8. Appendix II Abbreviations and Explanation

GSM	Global System of Mobile Communication
GPRS	General Packet Radio Service
SMS	Short Message Service
WAP	Wireless Application Protocol
FDN	Fixed Dialing Numbers
SIM	Subscriber Identity Module
PIN	Personal Identification Number
PUK	Personal Unblocking Key
IMEI	International Mobile Equipment Identity
MCC	Mobile Country Code
MNC	Mobile Network Code
Call waiting	A service provided by the network, which allows you to answer another incoming call without interrupting the active call, but it is different from conference call. You can only talk to one party while another party is held at the same time.
Call divert	A service provided by the network, which allows you to divert an incoming call to a specified number according to different circumstances.
Roaming	The phone is not used in the area of its local registered network. It includes international and domestic roaming. In this manual it refers to international roaming only.
STK	SIM Toolkit