PG220 UseManual

Thank you for purchasing our company's GSM/GPRS digital mobile phone.

The product is designed for GSM/GPRS network environment. Besides the basic calling functions, it provides following functions: handwriting input, 64-chord incoming call ring, incoming call picture, camera, video recorder, music player, video player, FM radio, U disk, voice recorder, Bluetooth, calculator, timing power on/power off, WAP and multimedia message, etc, which enable the user to enjoy and use in the daily work and life.

You will know how to use the product after reading this manual.

Table of Contents

1 Precautions

Read these provisions carefully, violation of these provisions could cause danger or break law. Precautions are provided in these manual.

Secure Power-on

Don't power on where mobile phone is forbidden, so as to avoid interference and danger.

Traffic Safety

According to recent research, it is danger to use phone during driving even though hands-free devices (vehicle hands-free device, earphone, and so on) are adopted. The electromagnetic wave radiating from the mobile phone will disturb electronic systems, such as ABS and airbag. For your safety, please:
- Don't put mobile phone on instrument panel or the installation area of airbag.
- Check with the dealer or manufacturer of vehicles to ensure that the electronic systems of vehicle are insulated absolutely.

Interference

The performance of mobile phone could be affected by outside interference, while the performances of other electrical equipments (Ex. Television, radio, PC.) could be affected by mobile phone.

Power-off in medical care places

Power off in medical care places except for designated areas, mobile phone can disturb the operations of other electrical, electronic and radio frequency devices near by.

Power off on plane

Please follow any relevant limitation, the phone can interfere the plane, power off before boarding.

Power off during refueling

Power off in the gas station or in the place where there are dangerous things of fuel, chemicals, and so on.

Power off in the blasting place

Power off in the place where there are signs of "Blasting site" or "Power off tow-way radio devices". Place observe and carry out all the rules related with mobile phone.

Appropriate use

Use your mobile phone in the proper place, and don't enter the antenna area.

Keep child from using the mobile phone when there no adult take care him. You could move SIM card away, and avoid that child swallow these small parts.

Pregnant women shouldn't use mobile phone too long.

Accessories and Battery

Use attached accessories and battery; don't use unauthorized accessories and battery. Before removing the battery, please power off. Cope with the used battery in a proper way.

Not waterproof

Your mobile phone is not waterproof; don't expose it to the bad climate and conditions (such as humidity, rain, leakage, fog, and so on).

Emergency Call

Ensure the mobile phone is power on and in the service area. Press Hang-up button repeatedly to clear the display and return to standby mode, or directly press number keys to input the emergency number, and then press the answer key to tell the answerer your position. Don't hang up without permission.

2 About the Phone

2.1 Functional Keys

2.1.1 Appearance

Earphone/Charge /USB Slot

Power On/Off

Receiver

Touchscreen

Volume

Camera Key

Function Key/Exit/Hang Up

Microphone

Camera

Stereo Speaker
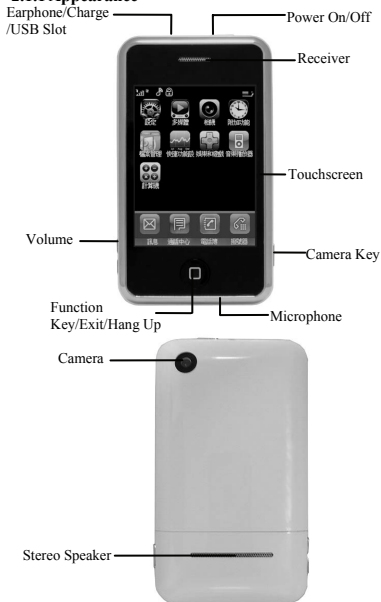
Note: the pictures are only for reference, the actual products may vary from the pictures.

2.1.2 Description of the Functions of Keys

1 Power key: press this key for several seconds to power on or power off the phone.

2 Function key: in standby mode, enter the function menu or exit.

3 Side keys

Up/down side key: adjust volume of receiver. Press up/down side key to adjust play volume in music player interface or during playing movie.

Camera key: in standby mode, enter the camera mode directly.

2.1.3 Icons

Icons	Description	Position
	Show strength of network signal	Icons area
	GPRS was connected, GPRS service is available	Icons area
	keyboard was locked	Icons area
	keyboard was unlocked	Icons area
	Vibrate	Icons area
	Vibrate and ring	Icons area
	Ring	Icons area
	Vibrate then ring	Icons area
	Mute	Icons

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		area
	Earphone was inserted	Icons area
	Unread multimedia message	Icons area
	Receive a message	Icons area
	Unread voice message	Icons area
	Unread push message	Icons area
	Start Bluetooth	Icons area
	Symbol of calling record	Icons area
	Alarm clock was set up and started	Icons area
	Start unconditional transfer	Icons area
	Show quantity of electricity of battery	Icons area
	Missed call records	Icons area

Note: the icons shall be subject to change without any further notice.

2.2 Battery

The battery was charged about 50% electrical power, it is available to use immediately after the phone is unpacked. For the first three times, the power must be run out of, and then the battery should be fully charged to use, thus the battery can supply in the best service condition.

2.2.1 Remove and install the battery

■ **Dismantle by following procedures**:

①Slide the cover of battery downward to the bottom of the mobile phone, and then remove the cover.

②Lift the bottom of battery upward and remove it from battery box.

Warning: power off before removing the battery. When the phone is power on or connected to external power supply, it is forbidden to remove the battery, or the SIM card and phone would be damaged.

■ **Install by following procedures**:

Align the metal contact point of battery with that of battery box, and snap the battery in the box and press the battery downward until it is installed well.

2.2.2 Charge

■ Insert the charger on the supply.

■ Connect the right end of charger to the side port of mobile phone.

■ After connection, the screen of mobile phone displays "The charger was connected", and it is charging, the battery icon shows the process of charge; if the phone was power off, the screen will show the process of charge dynamically.

■ In low battery state, overusing the mobile phone will cause low voltage, and the phone enter low voltage lock mode and can't power on normally. Charge the battery, and the battery enter precharge mode process (about ten minutes); after the voltage is rose, the phone can be power on normally.

■ In the power on state, when the power indicator in the icon area is full and doesn't flash, the battery is fully charged. In the power off state, the "complete charge" will be displayed on the screen if the battery is fully charged. The battery should

be fully charged for 2-3 hours (12-14 hours is advised for the first 3 times to prolong the battery's service life). It is normal that the battery is hot during charging

- Cut the connection of AC supply and charger, and the connection of phone and charger respectively.
- Charge with the attached charger in the ventilated place where the environment temperature is -10℃-＋45℃. It violates the warranties to use disapproved charger.

2.3 Link to Network

2.3.1 SIM Card

Insert SIM card (Subscriber Identity Model) before using, it is provided by network provider.

All the information relevant network connection is stored in the chip of SIM card. The name, phone number recorded in the phonebook and the short messages are stored in the SIM card too.

Warning: Power off before removing the SIM card. Don't insert or remove the SIM card when the phone is connected to external power supply, or the SIM card and mobile phone would be damaged.

2.3.2 Insert and Remove the SIM Card

The function of dual card and one in using is provided, two SIM cards are available.

- Power off, and then move away the external power supply and battery.
- Slide away the cover of SIM card box, and insert SIM card into the box correctly, and then cover the card box.
- Power off before removing the SIM card. Firstly remove the external power supply and battery, and then remove take out the SIM card.

2.3.3 Insert and Remove the Memory Card
■ Power off, and move away the external power supply.
■ Open the cover of the memory card box, and insert the memory card correctly, and then cover it again.
■ Power off before remove the memory card, and move away the external power supply, and then remove the card.

Note: This phone supports following brands of T-Flash memory card: Kingston (128MB、256MB、512MB、1G), SanDisk (128MB、512MB、1G、2G), Lexar (1G). Please carry your phone along with you during purchasing T-Flash card to buy a compatible card.

2.3.4 Power On/Off
Press and hold on the Hang-up key to power on/off.

If the SIM card isn't been inserted, the screen will display "Insert SIM card please" when the user power on the phone. Insert the SIM card and check if it is available.

Input the phone lock password: if it is set up.

Input the PIN code: if it is set up.

Greetings: if it is set up and the phone provides this function.

Emergency call (112): means it was registered in other network, only emergency call (112) is available.

Search: the phone will search automatically until the proper network is linked.

This phone may be inserted with two cards and they may be used by switching, after registering successfully, the network names are displayed in two

rows, the network name of card 1 is displayed in the first row while that of card 2 is displayed in the second row. If only one card is inserted into, "Insert SIM card" will be displayed in one row.

2.3.5 Unlock the Phone/SIM Card

To keep the user's information safe, the setup of lock code and PIN code for phone and SIM card is provided. The default lock code is 1122, and the default code of SIM card is 1234.

Note: if the user inputs the PIN code of SIM card wrongly for three times, the SIM card will be locked by network, and the PUK code is required after that.

2.3.6 Link to Network

After the SIM is unlocked, the phone will search available networks automatically (the process if displayed on the screen). Once find the available network, the name of the network provider will be displayed on the middle of the top of text and picture area, and the phone is linked to the service network successfully.

Note: "Emergency" displayed on the screen means the user is out of the service area, but the user can dial emergency number according to the strength of signal.

2.4 Connect Phone with USB Data Line

■ Two modes are provided when the phone is connected to computer with USB data line: "Memory device" and "Web camera". The "Memory device" will recognizes the standard T-flash card as U-disk, while "Web camera" will recognizes the camera of phone as web camera.

3 Quick Operating Guide

3.1 Particular Functions

This touch screen phone supports dual card and one in using function, besides the basic call function, it has following particular multimedia functions:

- **Dual cards & dual standby**: two SIM cards can be inserted into, and has the function of dual standby while they can't be used at the same time.
- **Bluetooth**: the phone can be connected to compatible devices through Bluetooth technology.
- **Phonebook**: It supports quick search, input the first letter of the name of the pinyin of the name to search the designated number. The phonebook can store about 300 number records. The storage status varies from the condition of SIM card and phone.
- **Call records**: the phone can store related call information for search.
- **Short message**: the short message can be stored in the phone. The phone supports enhanced short service (EMS) and preset short message during writing. The phone supports searching SIM card capacity and short message capacity. It supports saving the phone number of current message.
- **Multimedia message**: supports multimedia message, it can receive and sent several formats message of text, picture and voice, etc.
- **Music player**: supports MP3.
- **Record**: support call record and non-call record. In the process of call, press Confirm Key and enter function menu to select record function.
- **Memory card**: the phone supports T-Flash cards (U-disk). Power off, and insert memory card, and then connect phone to PC with USB data line, the phone will function as a U-disk, then the user can store or move data; power on, connect phone to PC with USB data line, select "Memory device"

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and use the U-disk or select "Return" according to indication, keep the phone power on.

- **Web camera**: in power on state, connect the phone to PC with USB data line, select "Web camera" according to indication, and then connect the phone camera to internet to carry out video chat on net.
- **Camera**: the phone supports camera, the user can set following terms according to personal requirements: picture size, exposure compensation and special effect, etc. Night shot and picture frame (picture photo), etc. are available.
- **Animation recorder**: the phone support camera to record video.
- **Animation player**: support films of 3GP format.
- **Additions**: Support Bluetooth and calculator, etc.
- **Toolkit**: Support alarm clock and memos, etc.
- **Setup**: set up the phone according to personal requirements, the user can set up following items: Phone setting, Network Settings and safety setting, etc.
- **Profiles**: the user can set up different profiles according to actual environment.
- **Network service**: the user can surf the net freely to get numerous information.
- **Games**: several games are provided.
- **Input Methods**: the phone supports multiple input methods; it is convenient for user to input letter, number, signs and so on.

3.2 Make a Call

In standby state, click the screen to enter dial interface. Click the numbers to input the designated phone number, and then select a card to make the call. The dialing picture is displayed on the screen during making the call. And the information of receiving will be displayed on the screen when the

call is received. In the process of calling, if the user wants to input number, click the icon of ☎ on the calling interface and then input the designated numbers. Input "+" instead of "00" when make an international call. After completing the input, press the calling key to make the call.

3.3 Emergency Call

If the phone is out of the service area (view the signal indicating bar on the top left corner), the user can make an emergency call. If the roaming service isn't provided in this place, the screen will display "Emergency", thus the user can only make emergency call. If the phone is in the service area, the user can make emergency call even though SIM car isn't inserted in.

3.4 Answer a Call

Press the calling key to receive a call; the user can receive a call through earphone, set up auto-answer and insert the earphone into the phone, the user can answer the phone several seconds later; if pressing any key to answer a call is set up, the user can answer a call by pressing any key except the hang-up key.

3.5 End a Call

When the user has a call, press hand-up key, or click "Refuse" to refuse the call.

3.6 Call Options

During call, click "Hand-free" to active loud-speaker, and click "Normal" to cancel loud-speaker.

In the call options, following operations are available:

■ Hang up one call

Hang up the current call.

■ Return one call

Shift between the current call and hang-up call.

- End one call

  End the current call.

- New call

  Enter new dial interface.

- Phonebook

  Enter phonebook menu.

- Message center

  Enter message menu.

- Record

  Record the current call.

- Phonebook

  Enter phonebook menu.

- Mute

  Start or close mute mode. The user's voice won't be sent when the mute mode is started

4 Functional Menu

4.1 Message

4.1.1 Short Message

The user can send Chinese or English short message through service center, this phone support enhanced short service (EMS), and can insert picture, animation and ring in the short message to send, or write message by mode.

4.1.1.1 Inbox

Enter the Inbox menu, view received messages on SIM card 1 and SIM card 2.

Press OK key to enter Option menu:

Reply: write back to the sender.

Delete: delete current message.

Edit: edit the current message.

Forward: select send the current message from SIM card 1/2 to one, multiple or all.

Copy to phone: copy the short message to the memory of phone.

Move to phone: move the short message to the memory of phone.

Chat: the user can chat with the sender after relevant settings are completed.

Delete all: delete all the short messages in the inbox.

Copy all: copy all short messages from SIM card to the phone.

Move all: move all short messages from SIM card or the phone.

Use number: save the numbers with three or more figures stated in the message and select one to can make a call, to store phonebook or send a message.

Use web site: link to the web site in the message, or add it to the bookmark.

4.1.1.2 Outbox

Enter outbox to view the failed-send messages or messages saved in the storage devices (including: SIM card 1, SIM card 2 and phone) or failed message.

Press Ok key to enter Option menu:

Send from SIM card 1/2: send the written messages from SIM card 1 or SIM card 2 to multiple or a group.

Edit: edit the current short message.

Delete: delete current short message.

Copy to phone: copy the current short message to the memory of phone.

Move to phone: move the current short message to the memory of phone.

Delete all: delete all short messages in outbox.

Copy all: copy all the short messages from SIM card or the phone.

Move all: move all the short messages from SIM card or the phone.

Use number: save the numbers with three or more figures stated in the message and select one to can make a call, to store phonebook or send a message.

Use web site: link to the web site in the message, or add it to the bookmark.

4.1.1.3 Write Message

Set up information center number before write message.

Enter Write message menu to edit short message, and press OK key to enter Option menu.

- **Select SIM card 1/card 2**: select this function after message-written to send, save and send, save, send to multiple, send to a group, send to one or save to outbox.
- **Use mode**: the user can insert the preset words in the postion of cursor.
- **Inserting subject**: the phone support EMS, the user can insert picture, my picture, preset animation, my animation, ring, my ring and preset voice into the message.
- **Text form**: in this menu, the user can set up size, style, text-align and paragraph.
- **Insert number**: insert number from phonebook to short message.
- **Insert name**: insert name from phonebook to short message.
- **Insert bookmark**: insert bookmark to short message.
- **Input method**: select different input methods to

write message according to requirements.

Note: Only the phone supporting EMS can send and receive static picture, animation picture and music.

4.1.1.4 Common Phrase

Press Ok key to enter common phrases list, and select one mode to edit, delete and write new.

4.1.1.5 Short Message Setting

Set up SIM card 1 and card 2 before use short message function. Enter Short message setting menu to set up:

■ **Mode setting**: save or edit information folder, message center number (obtain from network operator), message duration and sending mode required for short message function.

Note: duration of message, fax, messenger call and E-mail need the support of network operator.

■ **State setting**: after activate the information report function, if a short message is received, the phone will receive a return report.

Note: this function needs the support of network operator.

■ Storage status: view the capacity of messages in SIM card and phone, the capacity varies from the contents of message and the condition of SIM card and phone.

■ **Path:** select the path to save short message.

4.1.2 MMS

MMS, i.e. multimedia message service, supports multimedia function and is able to transmit messages with text, image and sound files.

MMS needs support from the network operator; please be sure that your SIM card supports the service or consult with the network operator. Your phone supports MMS; you can send or receive MMS

after necessary setting of the phone.

4.1.2.1 Compose

You may select Send to, CC, BCC, Subject or Content while composing.

Press OK key to enter the option menu.

- **Receiver**: set receiver's phone number or e-mail address.
- **CC:** set CC phone number or e-mail address.
- **BCC:** set BCC phone number or e-mail address.
- **Subject:** set message subject.
- **Content:** edit MMS content, the user may proceed with text, insert, preview, page time etc.

After editing, go back to MMS interface, then you may select Send, Save and Send, Save to Draft, Save as Templet, Send Options or Quit.

Note: the measurement unit of MMS size is KB (kilobyte); in editing interface, current page/total page number and MMS size will appear on the top of screen.

4.1.2.2 Inbox

Messages received are saved in Inbox.

Select a message, press OK to operate:

- **View**: view the content of the message.
- **MMS reply**: write back to the sender by MMS.
- **SMS reply**: write back to the sender by SMS.
- **Reply all**: write back to all by MMS.
- **Forward**: forward the selected message.
- **Delete**: delete the selected message.
- **Delete all**: delete all messages in Inbox.
- **Save as template**: save the message as a preset message.
- **Detailed information**: view the sender, CC, subject, date/time and size of the message.
- **Use item**: draw the specific number, send MMS,

dial or save to phone book in the SIM card or phone; can be dialed directly.

4.1.2.3 Outbox

Fail-to-send messages and saved messages while sending are stored in Outbox.

Select a message, press OK to operate:

- **View**: view the content of the message.
- **Forward**: forward the selected message.
- **Edit**: go back to the composing interface; re-edit the content of the message.
- **Delete**: delete the selected message.
- **Delete all**: delete all messages in outbox.
- **Save as template**: save the message as a preset message.
- **Detailed information**: view the receiver, CC, subject, date/time and size of the message.
- **Use item**: draw the specific number, send MMS, dial or save to phone book in the SIM card or phone; can be dialed directly.

4.1.2.4 Draft

Unprepared messages are saved in Draft to re-edit or send. Operations are similar to Outbox.

4.1.2.5 Preset Messages

Preset messages in the phone. The user can create new messages from the templates, also can customize.

4.1.2.6 MMS Settings

Necessary settings must be done to use MMS. Press OK to enter Setting submenu to operate:

- **Editing setting**: editing mode, whether to compress images, set auto-signature.
- **Sending setting**: set validity period, report sending, read feedback, priority, interval time, sending time.
- **Receiving Setting**: set main network, roaming

network, read feedback, permit of feedback.

- **Filter**: set restriction to anonymous senders and commercials etc.
- **Server setting**: set MMS network; contact the network operator
- **detailed information**.
- **Storage status**: view the storage status of MMS.

4.1.3 Chat

Select Chat and operate relevant settings to chat by message.

4.1.4 Voice Mail

Network operator's support is needed; the voice mail number of SIM card 1&2 must be set up to receive voice mail.

- Edit: input or change voice mail number.

4.1.5 Cell Broadcast

The network service allows you to receive text messages with SIM card 1 or 2, e.g. weather forecast or traffic condition. There are only a few networks which support this service, please contact the network operator for details.

- **Receiving mode**: start or close the receiving mode.
- **Read message**: read the received cell broadcast message.
- **Language**: set the receiving language.
- **Channel setting**: set the channel of cell broadcast.

Note: the function needs support from the network operator.

4.2 Call Center

4.2.1 Call Records

Use this function to view the latest calls of SIM card 1/card 2.

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4.2.1.1 Missed Call

Use this function to view the latest missed calls

Select a group of phone numbers, and press Ok key, and then select following options:

Delete: delete this number.

Store: store the number to the phonebook.

Call: use SIM card to call this phone number.

Edit: edit the receiving phone number and store.

Send short message: send short message to this phone number.

Send multimedia message: send multimedia message to this phone number.

4.2.1.2 Dialed Call

Use this function to view the latest dialed calls. Check "Missed call" for more details.

4.2.1.3 Answered Call

Use this function to view the latest answered calls. See "Missed

4.2.1.4 Delete Call Records

Use this function to delete missed calls, dialed calls and answered calls, or delete all.

4.2.1.5 Call Duration

Use this function to view the time of call up to now.

- **Time of last call**: view the time of last call.
- **Total time of dialed calls**: view the total time of dialed calls.
- **Total time of answered calls**: view the total time of answered calls.
- **Clear time to zero**: clear all records to zero.

4.2.1.6 Call Charge

Use function to view the call charge up to now.

- **Charge of last call**: view the charge of last call.

- **Total charge of all calls**: view the total charge of all calls.
- **Clear charge to zero**: edit the total charge or clear all records to zero.
- **Charge limit**: view the upper limit of call charge.
- **Price and rate of charge**: view and edit rate of charge.

   Note: the function of call charge needs the support of network operator. The user must input the PIN2 code of the main card when he uses the functions of clear charge to zero, charge limit and price and rate of charge. Connect with network operator to get this code.

4.2.1.7 Message Counter

   Enter this menu to view the quantity of Sent and Received; and press Ok to clear the records to zero.

4.2.1.8 GPRS Flux

   Enter this menu to the data flux of GPRS net, including the GPRS data fluxes (the unit is Byte) of the last sent message, the last received message and also can clear these records to zero by function of clear counter to zero.

4.2.2 Call Setting

4.2.2.1Call Setting of SIM Card 1 and SIM Card 2

   In this function, the user can set up call divert and call wait, etc.

- **Own number**: can set up system preset, hide number and send number.

   Note: "hide number" needs the support of network operator, and it could cause failure of making a call.

- **Call wait**: can select functions of start, close and inquiry, etc.
- **Call divert**: can select functions of start, close and

inquiry, etc.

- **Call barrier**: limit some functions.

    Note: this function needs the support of network.

- Line switch: shift between line 1 or line 2. (**Note**: the user can't make a call when choose line 2, the display of this menu is different for different types line 2.)

4.2.2.2 Auto Redial

To active or close auto redial by set up start/close. When it is activated, the phone will redial for several times (up to 10 times) automatically after failure in making a call. It provides convenience for user to redial.

4.2.2.3 Quick Dial

In this menu, to active or close quick dial by set up start/close. In stand-by interface, set up the number keys of 2-9 in quick dial list, and press and hold on the relevant number key or click the relevant number to set up.

4.2.2.4 IP Dial

The mobile phone support IP dial and it can set up 3 groups IP numbers at most. Select one IP number and press "option" to start or edit this IP number.

4.2.2.5 Other Functions

In the submenu, the call time display, call time indication and auto time limit can be set up.

4.3 Phonebook

This phone provides two memory devices: SIM card and the phone. The phone can store 1000 records while the capacity of SIM card is divided by its type.

Use the phonebook, the user can store

information of name card in the phone, and the following information can be stored in the phone: name, phone number, family phone number, and name of company, E-mail, phone number of company, fax number, birthday, picture photo, ring and incoming group. The SIM can stores information of name and phone number.

- **Quick search**: input the first letter of the name or pinyin of the name to search.
- **Search name**: input the name to search the designated record.
- **Add new**: add a new phone to SIM card 1, SIM card 2 or the phone.
- **Copy all**: Copy all the information from SIM card to phone, or copy all information from phone to SIM card, or copy all information from SIM card to another SIM card.
- **Delete**: input code before deleting information stored in SIM card or the phone, the de fault number is 1122. It is unnecessary to input code to delete the information one by one.
- **Incoming call group**: edit the information of each group.
- **Other numbers**
  - ➢ **Own number of SIM card 1/2**: the user can set up the own number and name (the user can define two own numbers).
  - ➢ **Service number of SIM card 1/2**: it isn't supported at present.
  - ➢ **Emergency number of SIM card 1/2**: edit or delete the emergency number.
- **Setup**
  - ➢ **Storage status: view the storage capacity of phonebook of SIM card and phone.**

- ➢ **Default saving path**: can set up the phone as the default saving position, or the user can select saving path during storing.
- ➢ **Name card setting**: selected the designated items to set up (this function is only available to set the records stored on the phone).
- ➢ **My name card**: edit or send my name card.
- ■ **Incoming picture**: select displayed picture for stored numbers and incoming group.
- ■ **Incoming ring**: select played ring for stored numbers and incoming group when there is incoming call.

View phone number list, press Up/down directional key or click scroll bar to select a record. And the press OK key to continue followingoperations:

- ■ **IP dial by SIM card 1/2**: set up IP dial number and active the number before selecting IP dial, dial IP number plus phone number.
- ■ **Send short message**: send short message to selected number.
- ■ **Send multimedia message**: send multimedia message to selected number.
- ■ **View:** view the details of the record.

Note: if the current record is stored in SIM card, the user only can view the name and number of the record.

- ■ **Edit**: modify the setting of the current record.
- ■ **Delete**: delete current record.
- ■ Copy1: copy the current record to another memory device.
- ■ **Transfer**: tansfer the current record to another file.
- ■ **Copy2**: copy the current record from the memory

device.

- **Send name card**: send name card to the designated phone by short message/multimedia message or Bluetooth, or keep it in the file.

4.4 Function Settings

4.4.1 Mode Setting

The menu is used to set SIM card application, including Dual Standby, SIM Card 1 Only, SIM Card 2 Only and Flight Mode.

4.4.2 Screen Calibration

Calibrate the touch screen of the phone according to the manual on the screen, to increase accuracy of the touch pen.

4.4.3 Phone Settings

Enter the submenu Phone Settings to operate:

4.4.3.1 Date and Time

Set Date and Time in this menu. Three submenus are:

- **City setting:** various international cities for your choice.
- **Date/Time setting**: set date and time of the phone.
- Format setting: select 12 hour clock or 24 hour clock, or set date format.

4.4.3.2 Timing Power On/Off

Four timing points are available. You may set status and time of each one; however you may not set same time in different items, to avoid conflict.

4.4.3.3 Language

Select display language. The phone provides two languages: Simplified Chinese and English.

4.4.3.4 Default Input Method

Select one of the four input methods provided by the phone as the default initial input method.

4.4.3.5 Default Coding Method
4.4.3.6 Standby Menu Setting
Set Wallpaper, Power on/off animation and Date/time display in the menu.
- **Wallpaper**: set standby image of the phone.
- **Slide wallpaper**: turn on/off the wallpaper sliding effect.
- **Display effect**: turn on/off scrolling/diffusing/fade in fade out.
- **Power-on animation**: set power-on animation.
- **Power-off animation**: set power-off animation.
   Note: power on/off animation supports formats of jpg, gif and bmp.
- Show self NO. Open/close, the NO. Will be showed on standby after opening.
4.4.3.7 Greeting
Turn on/off the Greeting while power-on; and edit the content of Greeting.
4.4.3.8 Dynamic Application Settings
Turn on/off the dynamic application.
- **Music player setting**: when playing music, shake the phone to change music.
- **Alarm clock setting**: when alarm clock ring, rotate the phone to end alarm ring.
- **FM channel changing**: while turned on, shake the phone in FM interface to change channel.
- **Incoming call mute**
- **Change wallpaper**: shake the phone to change standby wallpaper.
- **Change picture**: change the picture when scan the album.
- **Full screen display**: when play the movie, auto-change to full screen according to your phone position.

4.4.3.9 Touch Screen Vibration

Turn on/off. While turned on, the touch screen vibrates.

4.4.3.10 Auto-renew Time

If the system provider supports the service, you may turn on/off local time auto-scan.

4.4.3.11 Hand Writing Setting

Set Hand writing speed and Pen color. Hand writing speed includes three levels: Fast, Medium and Slow; there are eight colors for Pen color.

4.4.3.12 UART Setting

Select SIM card 1 or 2.

4.4.3.13 Other Settings

Set LCD backlight brightness and time.

4.4.3.14 Network Setting

Set network of SIM card 1 & 2 with this function.

4.4.3.15 Network Selection

Enter submenu "Network Selection", you may choose Research, Select network or Select mode to acquire current network service operator. In Select mode, you may press OK key to "Switch" Auto and Manual mode.

4.4.3.16 Preferential Network

Preferential Network: the preferential network provider while searching the networks. Enter the menu to view the list of preferential network providers, press OK key to enter "Option" menu. The menu includes Add list, New, Change preferential network and Delete etc.

Note: the preferential network list contains eight network providers at most; excessive providers can not be added to the list until certain network provider is deleted from the list. The display of the menu is related

to the service that SIM card provides.

4.4.4 Safety Setting

Enter menu "Safety Settings" and set SIM card 1, SIM card 2 or phone safety, to avoid illegal use of the phone or SIM card.

4.4.4.1 SIM Card 1/2 Safety Settings

■ **SIM card lock**: the SIM card is protected by PIN code to prevent illegal use.

Note: if PIN code is wrongly input for three times, the SIM card will be locked. Then you need the PUK code to unlock the SIM card. PIN code and PUK code might be provided to you with the SIM card, if not, please contact your network provider. The Default PIN code is normally 1234; please change it to your own code as soon as possible.

■ **Fixed dial**: turn on/off fixed dial mode and set fixed dial number.

Note: to turn on/off the fixed dial mode, you need to input PIN2 code. Please contact the network provider to acquire PIN2 code. When fixed dial is on, the phone book shows the number stored or blank (when no number is stored in the phone).

■ **Restricted number**: if your SIM card supports the function, you may set restricted dialing number. When the function is on, it forbids the phone to call the restricted number.

■ **Note**: to turn on/off the restricted number function, you need to input PIN2 code. Please contact the network provider to get PIN2 code. When the function is on, the phone book will not show the restricted number.

■ **Change password**: you may change PIN code and PIN2 code of SIM card 1 or 2.

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4.4.4.2 Phone lock

The phone lock protects your phone from unauthorized use.

When the phone lock is activated, you need to input the phone password when switching on or resetting the phone.

Note: the default phone password normally is 1122; please change it to your own password as soon as possible.

4.4.4.3 Keyboard Lock

Set auto-locking function of the keyboard. Press OK key to enter keyboard lock interface, select Off (keyboard lock deactivated), 5 seconds, 30 seconds or 1 minute. During the time if no operation upon the phone, the keyboard will be locked.

4.4.4.4 Change Password

To prevent unauthorized operation and use. Enter submenu "Change Password" to change phone password.

Note: the new password must be longer than four digits but shorter than eight digits. The default password is 1122.

4.4.5 Reset Factory Setting

Input the phone password in this menu, when the password is confirmed the phone restarts and all settings are reset to the default. The default password is 1122.

4.5 Multimedia

4.5.1 Camera

The phone supports photo shooting, video shooting and viewing etc. Photos are to be saved into the memory card (ensure inserted); the photo format is JPG. You may send the photos with the provided MMS option, transmit the photos through USB wire

and view them on a computer screen or set a photo as standby image.

4.5.1.1 Camera

Press OK key to select Option and operate:

■ **View**: view the photo

■ **Browse mode**: select list mode or matrix mode.

■ **Send**: send to wallpaper, power-on/off animation, phonebook, MMS, e-mail or Bluetooth.

■ **Rename**: rename the photo.

■ **Delete**: delete the selected photo.

■ **Delete all**: delete all photos

■ **Sort by**: sort by name, type, time, size or unsorted.

■ **Saving path**: select saving path of the photo.

4.5.1.2 Camera Setting

Settings for light balance, shutter sound, exposure compensation, flashlight avoidance and shooting time lag.

4.5.1.3 Photo Setting

Set up photo size (support 80*60/160*120/320*240/640*480/240*320 pixel) and photo quality (high/normal/low).

4.5.1.4 White Balance

Select automatic, sunlight, osram lamp, daylight lamp, cloudy, incandescent light.

4.5.1.5 Occasion

Select automatic or night mode.

4.5.1.6 Special Effects

The fullowing options are available including normal, gray scale, classical, classical green, classical blue or negative film etc.

4.5.1.7 Saving Path

Select saving path for the photos.

4.5.1.8 Default

Reset to default configuration.

4.5.2 Album

Select submenu Album to quickly view the files saved in the album. See Album item in camera function for operation details.

Note: if the standby image photo is renamed, the standby image returns to default image.

4.5.3 Video Recorder

In video recording interface, enter Option to set up the camera and save the setting. Press "Shoot" key to start recording, press it again to pause, press "Stop" to end and save.

- **Video recorder setting**: set relevant parameters of the video recorder.
- **Video setting**: set relevant parameters of the video.
- **Special effect setting**: set special effects.
- **Saving path**: select saving path of video.
- **Default**: return the settings to default setting.

4.5.4 Video Player

View or process the video files saved in the player, including clips, AVI, 3GP, MP4 etc. **Note**: the file must be saved in file management/phone or SIM card/video to be viewed and played in the player.

Press OK key to pause/continue play. Click or press # key to capture a frame in the video. The captured image is saved into Photos in the memory card. Click to play in full screen; touch the screen panel, press right soft key or navigation key to quit full screen. In full screen mode, frame capture function is off.

4.5.5 Music Player

In music player interface, press "List" key to enter the current play list. Select a music file to play, view detailed information, add to ringtone (as alternative ringtone), update play list or set music player.

In setting option of music file:

- **List**: select to play music in the memory card.
- **Auto-generated list**: select "on" and it will show "update play list"; select "off" and it will show menus such as "add" (when "add" appears, you may add any song in "file management/memory card" to the play list).
- **Repeat**: select off, single song repeat or all songs repeat.
- **Random**: select "on" to play the songs randomly; select "off" to play the songs in order.
- **Background playing**: select "on" to activate background playing function in standby mode; select "off" to deactivate background playing function in standby mode.
- **Bluetooth stereo output**: select Bluetooth stereo output on/off.
- **Bluetooth stereo earphone**: select suitable Bluetooth stereo earphone.
- **Lyric viewer**: select "on" to display lyrics in playing interface; select "off" to not display lyrics.

Note: music files must be saved in the folder My Music; update the list to auto-generate music file list; copy the lrc files which share the same file name with the songs to the folder My Music to view lyrics.

4.5.6 Sound Recording

A simple sound recording tool provides functions for the user to manage sound files.

Press OK key to enter Option, items in the

menu are:

- **Record**: record new sound file.
- **Play**: play the selected sound file.
- **Add:** for AMR and AWB files, you may add recording and merge it into the current file.

    Note: the function is not available for WAV files.
- **Rename**: rename the selected file.

    Note: if the sound file is set up as ringtone, once renamed, the ringtone will return to the default one.
- **Delete**: delete the selected sound file.
- **Delete all**: delete all sound files.
- **Setting**: set the sound file format as AMR, WAV or AWB.
- **Send to**: send the selected sound file to profile as an alternative ringtone, to MMS or to Bluetooth.

4.5.7 FM Radio

The radio is usable only when earphone is connected (earphone as antenna).

- **Channel list**: view all stored channels.
- **Manually input**: manually input the frequency number and search.
- **Auto-search and setting**: automatically search channels and update the list.
- **Settings**: Background playing (on/off)
- **Phone speaker (on/off)**

4.6 Extra

4.6.1 Unit Exchange

Convert different country unit.

4.6.2 Exchange Rate

Convert different currencies

4.6.3 Stopwatch

·**Normal Stopwatch**: time separately, time by circle or view records.

·**Multi-channel Stopwatch**: press direction keys to time.

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4.6.4 E-book

Press OK key to enter e-book interface, you may view the list of downloaded e-books, click "Option" to view the following menu:
- **Open**: open the e-book list
- **Renew**: renew the e-book
- **Configuration**: set text font, font size, page scrolling, auto-scrolling, scrolling rate, full screen, coding method.
- **Information**: view the title, size and format.
- **Delete**: delete the selected file.
- **Delete all**: delete all files.
- **Sort by**: sort by file name, type, size, time or unsorted.
- **Default:** return to default setting.
- **Help**: detailed information regarding e-book menu.

Note: e-books are to be saved only in the folder Ebook in the memory card; otherwise they can not be read in the e-book menu.

4.6.5 Bluetooth

You may connect the phone to other devices through Bluetooth. The phone is able to build a wireless connection within the range of ten meters. Since the signal is transmitted by radio wave, you phone does not need to face the other devices. However, wireless Bluetooth connections could be interfered by walls or other electronic devices.

In certain areas, Bluetooth might be restricted. Please contact the supervising department or service provider for more information.

Note: using the Bluetooth (or running it in back stage) will consume more battery power and shorten battery life.

In the Bluetooth submenu including the following submenus, you may set up relevant Bluetooth service.

■ **Activate Bluetooth:** press OK key to start/close the Bluetooth function;

- **Search handfree device:** press OK key to search the handfree device such as Bluetooth earphone etc.; if an activated Bluetooth device is nearby, the phone will find the device, press OK key to connect, input Bluetooth code to match and connect.
- **My device:** press OK key to enter My device, view the linked devices history list;
  Select a record, press OK key to operate:
- **Connect:** connect the device, you may choose a service in service record to connect.
- **Disconnect:** disconnect the device.
- **Set as handfree earphone:** set the earphone as current default earphone.
- **Device name:** rename the device.
  Delete: delete the selected record.
  Delete all: delete all records.
  Service list: view the service record of the device.
  Search new device: search for new Bluetooth devices.
- **Connected device:** view connected devices and their services, press OK key to disconnect the device.
- **Settings**
  Phone can be searched: press OK key to turn on/off the function.
  Phone device name: select an input method to rename the devices.
  Access approval: press OK key to turn on/off the function; turn on to allow the phone be connected with other devices.
  Set sound path: select to save in the phone or transmit to handfree devices.
  File transmission setting: select shared folder of file transmission and set the access right (free or read only)

4.6.6 Game

The phone provides various games including Mahjong, game setting. See Game Help in the game interface for operation details.

4.7 Secretary
4.7.1 Calendar
Enter the submenu Calendar to view Schedule, New items, Jump to the specific date, View by weeks or Lunar calendar.

Note: the lunar calendar is not available in English interface.

4.7.2 Pending matter
Show the entire schedule, you can browse, add, edit, delete, delete all, send from the navigation key.

4.7.3 Alarm Clock
The phone supports five alarm clocks (usable while power-off); the default status of them is off. Select an alarm clock, press OK key to edit and set up.

4.7.4 Calculator
The phone provides a calculator which can perform simple calculation. Use the touch screen to input and calculate.

4.7.5 World Time
Enter submenu World Time, the world time zone image appears; move the coordinate by the navigation key and touch screen, the interface will show the time of located city.

4.7.6 VIP
You can set your private NO. to protect call record and message information.

The preferential code is 1122, and you can change your own code by yourself.

(VIP secrecy is only for SIM 1)

4.8 Profile
The phone provides various profiles for you to customize ringtone according to different occasions. The earphone mode is activated only when the earphone is connected; when earphone mode is on,

other modes are deactivated.

4.8.1 Normal Mode

It's suitable for normal circumstances.

4.8.2 Conference Mode

Suitable for conference occasions, need to be preset (e.g. set up "Vibration").

4.8.3 Outdoor Mode

Suitable for outdoor occasions, need to be preset (you may set up a high volume ringtone).

4.8.4 Indoor Mode

Suitable for indoor occasions, need to be preset.

4.8.5 Earphone Mode

Usable when earphone is connected, need to be preset (e.g. decrease ringtone volume).

4.8.6 Bluetooth Mode

Applicable to Bluetooth function, need to be preset.

Note: factory setting is a common mode as preference.

✧ Preferences

Ringtone setting: set incoming call ring, alarm ring, power-on/off ring, message ring or key tone.

Volume: set ringtone and key tone volume, seven levels in total.

Alert style: select one from ring, vibration, vibration & ring, ring after vibration as current alert style.

Ring type: select one from single ring, continuous ring or increscent ring as current ring type.

Warning tone: turn on/off tone for warning, error tone or network connection.

Answering mode: you may set any key (except hang-up key and right soft key) as the answer-key; or set auto-answering (only in earphone mode).

4.9 File Management

Enter the submenu File Management, the

submenu shows memory card (if inserted). The top part of the interface shows the storage space and usable space of the selected section. Click "Memory Card" to enter the root directory of the memory card. Click "Option" to operate:

- **Open:** list the directories and files in the root directory.
- **Create new folder**: create a new folder, name it and edit it.
- **Format**: format the files; the operation will delete data in all current files.

Open the file and select the section to open the file list and folder list in the section. Select a folder; click "Option" to operate:

- **Open**: open the folder; list the next directory and the files.
- **Create folder:** create a new folder, name it and edit it.
- **Rename:** rename the current folder.
- **Delete**: delete the current folder.
- **Sort by:** select to sort the folders and files by name, type, time, size or unsorted (i.e. random).

4.10 Internet Service

4.10.1 WAP

The phone supports WAP. You may obtain multiple services such as news, weather forecast, sports and other internet services. The services are designed and maintained by WAP service operator. WAP service uses wireless markup language (WML), so you will not be able to view internet pages on the phone.

Note: to start WAP service, please set up the relevant network configurations.

4.10.2 Home Page

Select a home page, connect and start the

browser. When connected, it shows the home page of the WAP site. The content of the page depends on the service operator.

4.10.3 Bookmark

You may save the WAP address in the bookmark to quickly re-visit the page. Click "Option" to operate Move to, Edit, Send, Delete, Delete all or Add new bookmark.

4.10.3.1History

Records the page visited, for the next visit. You may operate Move to, Delete or Delete all.

4.10.3.2 Stored Pages

You may store some pages in common use, to use conveniently.

4.10.3.3 Input Address

Input the site address to visit the page.

4.10.3.4 Service Inbox

You may receive service messages.

4.10.3.5 Settings

1） **Select SIM card**: select SIM card 1 or 2 to connect to WAP.
2） **Edit configuration**: select the network provider or customize. Normally select China Mobile.
3） **Browse option**: set the wait time (30-300) and image display on/off.
4） **Service message**: select on/off.
5） **Erase cache**: erase cache.
6） **Erase personal data**: erase personal data

4.10.4 Data Account Number

Set up WAP configuration

5 Input Method

5.1 Overview

The phone language is in Chinese or English. Not only can the menu interface be in Chinese or English, but also can the messages be composed in both languages. You may also use or edit Chinese/English phone book. Press OK key to enter "Option/Input Method" to select; press 》 key to enter punctuation interface. The phone provides the following input methods:

5.1.1 Smart Pinyin Input

With this input method, the user uses the touch pen to click the letter, the possible Pinyin combinations will show up, at the same time the letter will be changed with the right and left key. Use the direction keys to select, press OK key to confirm.

5.1.2 Capital/Lowercase Letter Input

Use the touch pen to click letters to input.

5.1.3 Numeric Input

With this input method, use the touch pen to click numbers to input.

5.1.4 Hand Writing Input

Hand Writing Input is usable in all input method modes. For instance, in capital input method mode, you may click the capital letters on the screen to input; in another way you may use the touch pen to write the capital letter on the screen, a moment later the screen will show the letter auto-recognized and list the alternatives, if the letter on the screen is not what you want, you may select from the alternatives.

Note: when writing, you can only input letters as specified by the input method selected.

6 Troubleshooting

Please refer to the following solutions for phone troubles.

Troubles	Possible Causes	Solutions
Bad receiving	The phone is being used at a area where has bad receiving effect, such as near the high building or basement, unreachable by the radio wave.	To avoid
	The phone is being used at the busy time.	To avoid
	Too far from the network base station.	Ask the network provider for the regional layout.
Echo or noise	Caused by trunk line malfunction; it is a regional problem.	Hang up and redial, the trunk line might be changed to a better one.
	Regional bad connection.	
Standby time shortens	Standby time is related to network system configuration.	In bad reception area, temporarily turn off the phone.
	Need to change battery.	Change battery.
	When there is	

	no signal received, the phone will keep searching for the base station can shortens standby time.	Move to areas with strong signal or temporarily turn off the phone.
Unable to switch on	Battery out.	Check battery status or charge.
SIM card problem	SIM card damaged.	Contact the network service provider.
	SIM card unfixed.	Make sure SIM card has been inserted and fixed properly.
	Stain on SIM card surface.	Wipe the metal contact of SIM card with clean cloth.
Unable to connect to network	SIM card invalid.	Contact the network provider.
	Out of GSM service range.	Contact the network provider to check service range.
	Weak signal.	Move to areas with strong signal.
Unable to call	Call restriction function is on.	Cancel call restriction function.
	Fixed dial is on.	Cancel Fixed dial.

PIN error	Wrongly input PIN code for three times.	Contact the network provider.
Unable to charge	Battery or charger broken.	Change battery or charger.
	Charge in environment with temperature lower than -10℃ or higher than 45℃.	Change environment.
	Bad contact.	Check if connected properly.
Unable to add entries in phone book	Phone book space full.	Delete part of the entries.
Unable to set certain functions.	Network provider does not support the function or you did not apply for it.	Contact the network provider.

Note: if the functions in this manual have any unconformity with the functions of actual product, please refer to the product.

The company reserves the right to change any contents in this manual without any further notice.

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment 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/TV technician for help.

CAUTION:

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

This device 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.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment must be installed and operated in accordance with provided instructions and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

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 1.5 cm from the body. Use of other enhancements may not ensure compliance with FCC RF exposure guidelines. If you do not use a body-worn accessory and are not holding the device at the ear, position the handset a minimum of 1.5 cm from your body when the device is switched on.

Note: SAR standard Value: 1.6 W/Kg, Maximal Measure: 1.397 W/kg