NEC

User Manual for

N5105

Mobile phone

June, 2006

Summary

Welcome to select N5105 mobile phone. This instruction manual explains the excellent performance of N5105 mobile phone for details. Besides basic talking function, N5105 mobile phone and system network also provides you with multiple practical functions and services to facilitate your work and leisure activity.

N5105 mobile phone is specially designed for GSM900/1800/1900 network environment and is automatic three frequency mobile phone. With the trend that GSM is gradually becoming the standard of the communication system in the world , you will possess the free space for random communication in double frequency network.

We provides with multiple special fitting parts including charging battery and rapid charger for your selection in N5105 mobile phone, your can refer to chapter 15 of this instruction manual for the detailed description on these fitting parts. It is possible to result in danger if using fitting parts without permission from the providers, the resulted damage is beyond maintenance guarantee.

N5105 mobile phone has passed the network access test from the PRC Ministry of Information Industry, all indexes reach the requirements for national standard and acquire the “telecom device network access license” issued by the Ministry of Information Industry (license number :XX-XXXX-XXXXXX). you come across difficulty when using N5105 mobile phone, your can query and get help by national hot line consulting telephone (***800-8xxxxxx***) and after service telephone (***800-8xxxxxx***) set by NEC company.

NEC company reserves the right to modify the technical specification in this instruction manual without beforehand informing.

Explanation for reading manual

Different styles are used to describe different operation details in this manual, details are described as follows:

Operation	Content description	Example
Display content	Represent with normal character	0-9
General key	Except for function key, all keys are represented by normal character with frame	0-9
Function key	Function keys are represented with overstriking and frame	**OK**
Menu item	Represented by italics with black body	***keep alive***

Note：The pictures used in the manual are only used as the function illustration pictures, maybe your mobile phone displays differently; please take your mobile phone as the standard.

CONTENTS

SUMMARY ..... **I**

SECURITY AND PERFORMANCE **7**

1 START TO USE YOUR PHONE **12**

1.1 BATTERY 12

1.1.1 Battery disassembly and installation *12*
1.1.2 Battery charging *13*
1.1.3 Use for battery *13*
1.1.4 Battery capacity indication *13*

1.2 CONNECTING NETWORK 14

1.2.1 SIM card *14*
1.2.2 SIM card insertion *14*
1.2.3 Unlocking for SIM card *15*
1.2.4 Connect to network *15*

1.3 PLUGGING AND UNPLUGGING THE EARPHONE 15

1.4 IDLE SCREEN AND CONTENT 16

1.5 KEYS 18

1.6 NUMBER AND CHARACTER INPUT 20

1.6.1 Input information *20*
1.6.2 Edition window for inputting the text *20*
1.6.3 Switch the input methods *20*
1.6.4 Stroke input law *21*
1.6.5 Chinese spelling input law *22*
1.6.6 Number input law *22*
1.6.7 Intelligent English small letter input law *22*
1.6.8 Intelligent English capitalization input law *22*
1.6.9 English small letter input law *23*
1.6.10 English capitalization input law *23*
1.6.11 Symbol input law *23*

2 DIAL AND ANSWER TELEPHONE **24**

2.1 TURN ON AND TURN OFF PHONE 24

2.2 MAKING CALL 24

2.2.1 Direct dialing *24*
2.2.2 Dial telephone from telephone book *25*
2.2.3 Quick diali *25*
2.2.4 SIM card position dialing *25*
2.2.5 Unsuccessful calls *25*

2.3 ANSWER CALL 25
2.4 DURING THE COMMUNICATION 26
2.4.1 Adjust volume 26
2.4.2 Reject 26
2.4.3 New information 26
2.4.4 Answer new phone 26
2.4.5 Simultaneously answer two calls 27
2.4.6 Conference 27
2.5 EMERGENCY CALL 28
3 MENU OPERATION 28
3.1 STRUCTURE OF MAIN STRUCTURE 28
3.2 SELECT MAIN MENU 28
3.3 OTHER SELECTION MODES 28
3.4 MENU FUNCTION TABLE 29
4 SETTING 31
4.1 PHONE 31
4.1.1 Date & Time 31
4.1.2 Language 31
4.1.3 USB Mode 31
4.1.4 Touch-sensitive wheel set up 31
4.1.5 Side key lock 31
4.1.6 My Menu 31
4.2 PHONE MODE 32
4.2.1 Startup Mode 32
4.2.2 Personal Setup 32
4.3 DISPLAY 32
4.4 RING TONE 33
4.5 CALLS 33
4.5.1 Anykey Answer 33
4.5.2 Call Diversion 33
4.5.3 Call Waiting 34
4.5.4 Auto Redial 34
4.5.5 Sent my number 34
4.5.6 Auto Answer 34
4.5.7 Fold answer 34
4.5.8 Quick dial 34
4.5.9 Minute tone 35
4.5.10 Incoming call filtering 35

4.5.11 Phone number display *35*
4.5.12 IP Code *35*
4.6 SECURITY 35
4.6.1 Phone Lock *35*
4.6.2 Bar calls *35*
4.6.3 SIM password *36*
4.6.4 PIM safety *36*
4.6.5 Security mode *36*
4.6.6 Modify password *37*
4.7 NETWORK 37
4.7.1 Current network *37*
4.7.2 Auto select *37*
4.7.3 Manual select *37*
4.7.4 Profile *37*
4.8 CALIBRATION 38
4.9 TTS SETTING 38
4.10 RESET 38
4.10.1 Reset settings *38*
4.10.2 Reset all *38*
5 CHINA MOBILE IN 39
5.1 SIM APPLICATIONS 39
6 MONTERNET 39
6.1 MENU OF WAP EXPLORER IN THE OFFLINE STATUS 39
6.1.1 Homepage *39*
6.1.2 Bookmark *40*
6.1.3 Go to URL *40*
6.1.4 Go to the Last page *40*
6.1.5 History *40*
6.1.6 Offline browse *40*
6.1.7 WAP settings *40*
6.1.8 GPRS information *40*
6.2 MENU OF EXPLORER IN THE ONLINE STATUS 40
6.3 MEMORY CARD 41
7 MY FAVORITE 42
7.1 MULTIMEDIA RESOURCE 42
7.2 RESOURCE UTILIZATION 42
7.3 VIDEOS 42

7.3.1 My videos *42*
7.3.2 Download *42*
7.4 SOUNDS 43
7.4.1 Download *43*
7.4.2 Preset *43*
7.4.3 Recordings *43*
7.5 PICTURES 44
7.5.1 Photos *44*
7.5.2 Download *44*
7.5.3 Preset *45*
7.6 PHONE ANIMATION 45
7.6.1 Preset *45*
7.6.2 Download *45*
7.7 MUSIC 45
7.8 MMS CARD 46
7.9 JAVA BOX 46
7.9.1 Memory State *46*
8 MESSAGE 47
8.1 MESSAGE 47
8.2 CREATE 47
8.2.1 SMS *47*
8.2.2 MMS *48*
8.3 RECEIVE MESSAGE 49
8.4 READ MESSAGE 49
8.5 VIEW OUTBOX 51
8.6 VIEW SENT MESSAGES 51
8.7 DRAFTS 52
8.8 MY FAVORITES 52
8.9 QUICK TEXT 52
8.10 SETTINGS 52
8.10.1 SMS setting *53*
8.11 SMS SETTINGS 53
8.11.1 MMS setting *53*
8.11.2 Reset *54*
8.12 QUICK TEXT 54
8.13 VOICE MAIL 54

8.14 STORAGE STATUS 54

9 PHONE BOOK 56

9.1 PHONE BOOK 56

9.1.1 Find 56
9.1.2 Create 56
9.1.3 Edit 57
9.1.4 Copy 57
9.1.5 Move 57

9.2 MULTI-MOVE 57

9.2.1 Delete 58
9.2.2 Delete all 58

9.3 DISPLAY TYPE 58

9.3.1 Setting 58
9.3.2 My number 59
9.3.3 Memory status 59
9.3.4 Phone list 60
9.3.5 Save telephone number 60

9.4 CREATING SECRET GROUP 60

10 CUSTOMER SERVICE 61

10.1 SERVICE GUIDE 61

10.2 GOTONE CLUB 61

10.3 SERVICE HOTLINE 61

10.4 CUSTOMER MANAGER 61

10.5 MOBILE SECRETARY 61

10.6 MY MONTERNET 61

10.7 CLIENT SERVICE SETTING 61

11 CALL HISTORY 61

11.1 MISSED CALLS 62

11.2 ANSWERED CALLS 62

11.3 OUTGOING CALLS 62

11.4 CALL DURATION 62

12 ACCESSARIES 63

12.1 MP3 PLAYER 63

12.2 CAMERA 63

12.3 MULTIMEDIA 65
12.3.1 Video player 65
12.3.2 Voice recorder 65
12.3.3 Alarm 65
12.3.4 Scheduler 66
12.4 TOOLS 67
12.4.1 Notepad 67
12.4.2 Calculator 67
12.4.3 Dictionary 68
12.4.4 Currency exchange 68
12.4.5 World clock 68
12.4.6 Countdown 69
12.4.7 Stopwatch 69
12.4.8 Unit converter 70
12.5 CONNECTION TOOLS 70
12.5.1 PC sync 70
12.5.2 Internet services by GPRS 70
12.6 PERSONAL INFORMATION MANAGEMENT 70
12.7 GAMES 71
12.7.1 Box man 71
12.7.2 Snake 71
12.7.3 Tetris 71
13 COMMON SYMPTOMS 72
14 ACCESSORY 73
15 MAINTENANCE GUIDELINE 74

Security and performance

Welcome and thank you for choosing NEC Mobile phone. This device will automatically send information of factory serial number (IMEI number) to our managing system via background. The information will help you inquire the perchase time and repair term in case that you lose the maintenance card or invoice. The register information will be sent to out managing system by means of message. A general fees of SMS communication will be taken by the network operator: 0.10 or 0.15yuan, no extra fees for other information.

◆ Emergency **service**

In any nation, if wanting to dial emergency telephone, then you can directly dial 112 (or other emergency service telephone), you must confirm your mobile phone power is on and is within the service region, then input the emergency service number (112 or other numbers) and press "send" key to call telephone.

In any digital network , 112 emergency telephone service is set. In England you can also use 999 backup emergencycalling number, but you must insert valid SIM card.

⚠**Note:** Because of the natural property of the cell network, it can not be ensured that each emergency call can be successful.

Individual

- When using the radio device including mobile phone, it is possible to have some disturbance on some medical devices with bad shielding performance, such as hearing aid and heart pacemaker. Before using the mobile phone, please consult with the provider of the medical device or your doctor.
- For the user with heart disease, the ring sound volume and setting for vibration reminder should be especially noticed.
- In the places where explosive gas exists, such as oil warehouse, chemical factory or explosive production process, the use limits for radio device should be closely noticed. When your mobile phone is idle, it still emits electromagnetic signals. If having some requirements, you should close your mobile phone.
- The transportation security should be noticed. When driving, the mobile phone should not be used , if using it, it is suggested to stop first.
- When your mobile phone is lost or is stolen, please immediately inform the telecom department to prohibit the SIM card from using. It will make you free from the economic loss caused by other pseudo calling.
- When you contact with telecom or sales place , they should know your IMEI number of your mobile phone, which is printed on the label of mobile phone back (remove battery , then you can find it). Please record the number and keep it properly for use in future.
- To make your mobile phone not be misused, please adopt prevention measures, such as : set SIM card PIN number or personal security code of the mobile phone.
- When leaving from the car, please place the mobile phone at the obvious position, it is better to carry it or lock in the baggage case.
- It is not allowed to make the child play with the mobile phone, charger or battery.

Mobile phone

The mobile phone includes precise electric wiring, magnet and battery system, which should be dealt with carefully, especially notice the following important items:

- Your mobile phone can produce electromagnetic field, please do not place the magnetic storage media such as computer disk near to the mobile phone.
- When using the mobile phone near to the electric devices such as TV, telephone, radio and personal computer, which maybe can produce disturbance and affect performance of the mobile phone.
- Whenever, please do not make the mobile phone and its fitting parts contact with liquid or under the wet environment.
- Please do not place the mobile phone in the environment with over-temperature or under-temperature.
- Please place the mobile phone near to the flame, lighted cigar or cigarette.
- Please do not scrabble on the mobile phone.
- Please do not make the mobile phone drop or any rude beating behavior on the mobile phone.
  Please do not put the mobile phone together with computer magnetic disk, credit card , tour card or other magnetic material. Or stored information in magnetic card or credit card is affected by the mobile phone.
- Please do not place the mobile phone or battery at the position with the temperature beyond 60℃, such as the car instrument panel, window or back of the glass window with direct shining.
- Please do not try to disassemble the mobile phone or any other attached part.
  Only a little wet or anti-static cloth can be used to wipe the mobile phone. Please do not use dry or static cloth to wipe the mobile phone. Please do not use the cleanser with chemical reagent or blasting sand, or the cleanser will damage the shell of the mobile phone.
- Some heat will be produced when a mobile phone is used normally, heat will also be produced when a mobile phone is charging.
- Please remember to recycle , the bandbox package for the mobile phone is very suitable for recycle.
- Please do not make the mobile phone in a status with empty battery or empty battery capacity, or some data may be initialized.
- Some mental material included in the mobile phone may make you allergic, which is determined by your physical body and health condition.
- Please do not put the mobile phone in the pocket of the trousers or rear skirt to prevent from damage on the mobile phone when seating. At the same time do not put the mobile phone at the bottom of the pocket to prevent from impact or strong extrusion.
- If vibration alert starts, please make the mobile phone far from heat sources (such as heater) and prevent from the vibration of the mobile phone and sliding from the desk top.

Battery

- Please do not make the batter device short circuit, which will make damage on the battery , produce heat and even may cause fire.
- The battery is prohibited to throw into the fire for prevention from explosion. The discarded old battery should be returned to the provider, or be placed at he specified recycle site, do not put them into the home waste.
- Please do not make the metal, such as coin or key ring, contact with end point of the battery or short circuit.
- Please do not remove the mobile phone’s battery when the mobile phone is on.
- Please do not put the mobile phone’s battery into the mouth, because if swallowing it, its electrolyte will result in poisoning.

- An embedded battery in the mobile phone can only be replaced by the professional engineer. If using the battery with mistaken type to replace, it is possible to result in explosion. Please process used battery according to provider instruction.
- When using any battery and charger which is not specified by the provider , potential danger exists. The resulted damage on the mobile phone is beyond the maintenance guarantee.

Note：

If the battery is damaged, the material included in the battery should be prevented from contact. If contacting with the skin, it should be washed off with plenty of water, under the necessary condition, it is necessary to get help from a doctor.

On the road

- The car must be securely controlled all along, please pay attention to driving.
- Please abide by all regulations in the local transportation security regulation.
- Before sending and answering phone, you should closely notice local law system on use for wireless phone and pay attention to it when using.
- According to the requirements for driving condition, please send or answer call after stopping.
- Except for emergent condition, it is prohibited to stop at the side of the road for receiving or dialing the phone.
- Security air chamber, brake, speed control system and oil ejection system are not affected by the wireless transportation. If you come across some problems, please contact with car franchiser.
- When the security air chamber swells, it will produce strong external force, please do not install or place wireless communication device above the security air chamber or within the area which can be contacted when the security air chamber extends, if the car wireless communication is not installed correctly, once the security air chamber swells, it will result serious damage.
- When renewing petroleum, please turn off your mobile phone, same case can also be applied to the place where the double wireless device is prohibited to be used. Please do not put the flammable and explosive substances together with the mobile phone or carry together with them, internal spark may result in combustion.
- The electronic system in the car, such as reverse lock brake, speed control and combustion ejection system, generally they are not affected by the wireless wave. The provider of those devices will tell whether those devices have good shielding function. If you have doubt that whether the wireless wave results in car’s failure, please contact with the franchiser. Before the quantified professional installer checks, please do not disassembly the mobile phone.

On the plane

- When on the plane or near to the plane, please turn off the mobile phone and take off the battery. The behavior to use the mobile phone on the plane is illegal, which may result in danger for the plane operation, may also damage the mobile phone network. The violator may be paused or cancelled for the mobile phone service, even he can be prosecuted, or answer double punishment.
- Under the emergent condition, after the aircrew personnel agreement according to security regulation, it is allowed to use the mobile phone.

Other providers’ device

- If using the devices, cable or attached parts from the other providers without NEC production or authorization, it is possible to result in invalidation for maintenance guarantee, moreover, it has also influences on the normal use for the mobile phone. It is obligatory to use NEC cable.

Maintenance service

- No parts in the mobile phone, battery and charger can be repaired by users. It is suggested to bring your NEC mobile phone to the maintenance site authorized by NEC for maintenance. When you think it is necessary to ask for maintenance service, please consult with the network service provider or NEC for details.

Non-ionic radiation

- A wireless device should connect to the antenna by the non-radiation cable (coaxial-cable). The antenna should not be installed near to the person body, except that metal shielding exists between both of them, such as metal roof. The antenna specially designed for this mobile phone can be used. The antenna without authorization and attached parts refitted or added by users can damage the mobile phone or violate the related regulations, which result in performance reduce or radiation which does not conform to related standards.

Effective use

- To acquire the best performance with the least power consumption, please notice the following regulations: when talking, please do not use the hand to cover the embedded antenna, or which may affect the communication quality, result in the mobile phone's work with the output power beyond the normal standard and shorten the battery's communication duration and idle duration.

Radio energy

- Your mobile phone is wireless transmitter and answer with low power. Once the mobile phone is turned on, it will answer and transmit wireless signal intermittently. The network system will control the transmitting power of the mobile phone.
- CAUTION: changes or modifications made in the radio phone, not expressly approved by NEC, will 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.

SAR information

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. This product has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for use at the ear is 0.196W/kg and when properly worn on the body is 0.346 W/kg. This device was tested for typical body-worn operations with the back of the handset kept 1.5cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.5cm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

Body-worn operation

To maintain compliance with FCC RF exposure guidelines, if you wear a radio product on your body when transmitting, always place the radio product in a NEC approved clip, holder, holster, case or body harness for this product. Use of non-NEC-approved accessories may exceed FCC RF exposure guidelines.

Electromagnetic radiation

Your mobile phone completely conforms to the standard on the wireless radiation formulated by the nation authoritative organization and international health associate. These limitation standards are a part of the comprehensive rule and are composed of permitted standard for public wireless radiation. These standards are formulated after the independent scientific organization ICNIRP (International Commission on Non-ionizing Radiation Protection) has conducted on long-term and deep scientific research. These limiting standards contain much security tolerance and ensure all person security, no matter what the age and health status, they also consider the changeable factors for various kinds of measure condition.

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- Execution standards for mobile phone and its attached parts production
  Execution standard for mobile phone：Q/NM 005。
  Execution standard for battery：GB/T 18287-2000。
  Execution standard fro charger：YD/T 998-1999。

To continuous improvement for the product, the mobile phone type and attached parts' specification may be modified partly or completely, please forgive not to inform for it.

If the content described in this manual does not conform to your mobile phone, please take your mobile phone as the standard.
NEC possesses the right to give the final explanation fro this instruction manual.
NEC reserves the right to modify the technical rules and give no beforehand informing.
NEC reserves the right to modify this manual, forgive not to be informed additionally .
The provider reserves the right to modify the product technical rules without beforehand informing.

1 Start to use your phone

Before using the mobile phone , please read this chapter. The chapter will tell you how to install, charge and maintain your mobile phone's battery. It also tells you information on the GSM network and instructs you how to insert and unlock SIM card. The detailed information on it will be stated in the chapter.

1.1 Battery

- The mobile phone contains one battery. When purchasing the battery , the batter is not charged, but it may support to turn on the phone. A new batter should be charged for at least 16 hours, after the battery is used up for the first time, then it is charged fully for use; it should also be used up for the second time, then it is recharged, after the three times circulation, the battery is easy to reach the best use state.

-

1.1.1 Battery disassembly and installation

- When dissembling, make the mobile phone back face upward, press the back cover's battery lock button at the bottom of the mobile phone, then slip the back cover downward and take off the back cover. Pull the tail of the battery upward and take out the batter.

-

- When installing, insert the clip at the top of the battery into the corresponding clamping slot in the phone and press the battery downward.

- Then it is ok to install the phone's back cover.(As the following picture)

Note: The pictures may not be exactly the same as the real ones and they are for reference only. Please

1.1.2 Battery charging

- Insert the joint of the charger into the bottom of the mobile phone.
-

- Insert the charger into the power supply. At this time, a mark standing for charging (see chapeter 1.4) will appear and means the battery in the charging.

- When the charging mark is still (and prompt charging is finished) , then which means the charging is finished. During the charging, the battery, mobile phone and charger will become heated, which is normal phenomena.

- After the charging is finished, turn off the power supply and pull off the charger.

Warn：
When charging, the phone must be placed at the ventilated site with the temperature between ＋5℃ and ＋40℃ and must use the charger provided by the provider. When using the charger without permission, it is possible to result in danger, moreover which violates the permission and maintenance guarantee terms for the mobile phone.
The regulate charging temperature range is from 0℃ to 45℃, if it is beyond the range, please do not use the charging device.

Note: These pictures may not be exactly the same as the real ones and are for reference only. Please follow that on real ones.

1.1.3 Use for battery

The phone idle duration provided by the provide is based on the ideal work environment. In the practical use, the battery work duration will vary with the different network state, work environment and use mode.

Please dispose of the batteries following the local regulations (Recycle e.g.),The batteries should not be disposed of like general garbage.

1.1.4 Battery capacity indication

When the mobile phone is in power on mode, the battery capacity level displays at the right and top corner of the screen. The residual power capacity is represented by four levels of indication bars.

1.2 Connecting network

1.2.1 SIM card

Your network provider will provide you with a insertion SIM card(user identification card). SIM card is the key for you to enter the GSM network. **Before using the mobile phone, you must insert valid SIM card into the mobile phone.**

All information records related with network connection are in the SIM card, also including name, telephone number and short message in the card. SIM card can also be take off from your mobile phone and insert into any GSM mobile phone for use (new mobile phone automatically reads SIM card.).

To prevent from loss and damage on the information in the card, please avoid touching on metal plane area and put the SIM at the site far from current and magnetism.

Warn：
Before taking out SIM card, the mobile phone must be turned off. It is absolutely prohibited to insert into or take out SIM card when connecting to external power, or SIM card may be damaged.

。

1.2.2 SIM card insertion

Generally SIM card is put into a card, before installation, it must be taken out carefully.

- Turn off the mobile phone and remove the battery and other external power(See the picture below):

- ；Insert SIM card into the bottom of the connection card and ensure the metal plane is downward and corner position is same to clamping slot corner(See the picture below);

- Push SIM card(See the picture below) , lock SIM card and install the battery;

- If you need to take out SIM card, please first turn off mobile phone and take out the battery, then remove SIM card.
-

Note: These pictures may not be exactly the same as the real ones and are for reference only. Please follow that on real ones.

1.2.3 Unlocking for SIM card

To prevent from illegal use, SIM card adopts PIN (personal identification number) code to encrypt for protection. When selecting to use this function (refer to 4.4 chapter), when you turn on the mobile phone each time, you must input PIN code, so you can unlock SIM card , then you can send or answer calls. A user can also remove SIM card protection.(refer to 4.4 chapter)

- Hold down **Pwr** to turn on the mobile phone;;
- Input PIN code, press left function key to confirm. For example: if PIN is set as 1234, then input as follows:

  1 2 3 4 confirm

If you input wrongly for continuous three times, then your SIM card will be locked, the mobile phone will query PUK code. Please refer to 4.4 chapter.

Especially note：
Your network operator will set a standard PIN number (from 4 bits to 8 bits) for your SIM card, you should change it to your private password as rapidly as possible.

1.2.4 Connect to network

After SIM card is decrypted successfully, the mobile phone will search your registered network or local available network automatically(display “network is connecting, please wait for a while” in the screen). Once connection is successful, the network mark for the network operator will appear at the top of the screen.

Currently your mobile phone is in idle state, you can send or answer calls.

Note: After being used for sometime, it will automatically send a message enclosed with the information of your phone to the server, which make it more convenient for the manufacturer to provide better services for you.

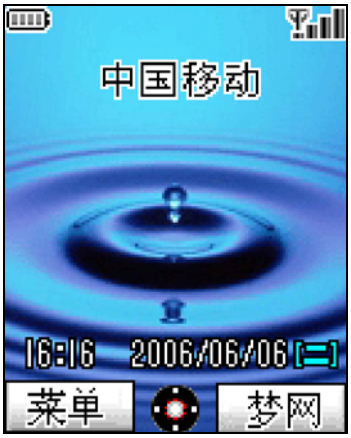
1.3 Plugging and Unplugging the earphone

Plug the earphone into the jack on the right side, the direction is as the picture below. Slightly pull the earpiece to unplug it.

Note: These pictures may not be exactly the same as the real ones and are for reference only. Please follow that on real ones.

1.4 Idle screen and content

You can get your needed information by indication and mark in the idle display screen.



	Indicate current signal intensity
	Indicate current connected GPRS (related with SIM card)
	Indicate new message
	New wap push message
	Message memory is full
	Mobile memory is full
	SIM card memory is full
	Wap push information is full
	Current scene mode is meeting mode
	Current scene mode is car mode
	Current scene mode is pocket mode
	Current scene mode is self-defined mode
	Indicate calls which are not answered
	In calling
	Indicate a universal Call diversion is set

	Indicate a memory card is inserted
	Indicate a USB is used
	Indicate a CSD connection
	Set PIM protect
	Start security mode
	Start call filter
	Indicate alarm clock to ring
	Indicate alarm clock is set
	Indicate event reminding time to come
	Indicate calls which are not answered
	Indicate non-read message
	Indicate residual capacity of battery
	Indicate charging of battery
2006/06/20[二] 16:16	Indicate the current date is June 20th, 2006, Tuesday. Indicate the current time, which can be set as a 24-hour or 12-hour format. (It can also display time in foreign counties, which you have to change the setting.)
中国移动	Indicate the network operator
菜单	Indicate current left function key is menu
	Indicate current OK key.
梦网	Indicate current right function key is Monternet

1.5 Keys

The function indexes for keys are illustrated as follows:

Left function key(Sl)		To confirm/ select/ access menu/ change the text entry mode in text entry screen.
Right function key (Sr)		Cancel, delete , exit, back to previous ,short press to enter Monternet
Up key(U)		page up；in standby screen :shourt press :my favorites;long press :MP3 playerin standby screen :shourt press :Phone modes;long press :cut or close meeting mode
Down key(D)		page down；in standby screen :short or long press :my favorites
Left key(L)		page up；in standby screen :shourt press :message;long press :Create sms
Right key(R)		page down；in standby screen :short press :phonebook
Side up key （Vu）		Press to activate the ring silencer function when you receive a call/ hold down to reject an incoming call/ press to increase the earpiece volume during call/ in standby screen, press to access the ringer volume control screen/ when open the slipcover, hold down to access camera function/ alarm goes off when the phone is off, press to activate the ring silencer function/ when the phone rings, press to increase the ringer volume.
Side down key（Vu）		Press to activate the ring silencer function when you receive a call/ hold down to reject an incoming call/ press to decrease the earpiece volume during call/ in standby screen, press to access the ringer volume control screen/ alarm goes off when the phone is off, press to activate the ring silencer function/ when the phone rings, press todecrease the ringer volume.hold down turn on TTS
Send key (Snd)		Dial, answer call, when in a idle state, press snd key to enter the dialed call list
Power key(Pwr)		Power on an power off, Stop Dialing, terminate(return to idle screen)
*key(*)		When in a idle state, press long to launch or close keyboard lock key
#key(#)		In a editing state, press shortly to activate input window; when making a call, hold down to insert the pause symbol P.
0-9		Input number or text, when in a idle state, press long to quick dial (need set); in the menu mode, press corresponding function number key to enter corresponding function
OK key		Long press to enter MP3 player
0		When in main menu, press 0 key to enter own number window
1		When in a idle state, press long to enter voice mail, in main menu mode, enter setting window
2		press to access the china mobile in screen.
3		press to access the monternet screen.
4		press to access the My favorites screen.
5		press to access the messages screen.
6		press to access the Phonebook screen.
7		press to access Customer Serivice screen.
8		press to access the call histry screen
9		press to access the Accessory screen.
MP3 Controller	Previous	Play previous tune
	Play/Pause	Long press it to close MP3 player, short press it to play/pause music.(Only available when it is shed to Idle and folded)
	Next	Play next tune

When there are set alarm, event reminder, missed calls and unread messages (including WAP PUSH messages), the relevant icons will be appeared in the standby screen (see section 1.3).You can press **OK** key, use navigation keys to select the required icon, then press **OK** key again to access the content. You can hold down **OK** key to access My menu. The options for My menu can be set in Settings - My menu. When neither the above mentioned icons appeared, press **OK** key to access My menu. When there is only one icon, you could just access it directly. In menu screen, you can press the appropriate number to jump to a next menu.

Note：

In this user's manual, “short press” means pressing a key briefly, while “hold down” means pressing a key for more than 1 second.

1.6 Number and character input

Key	Capital character	Lowercase character
1	@ 1 , ; : ? ! （）	@ 1 , ; : ? ! （）
2	A B C 2	a b c 2
3	D E F 3	d e f 3
4	G H I 4	g h i 4
5	J K L 5	j k l 5
6	M N O 6	m n o 6
7	P Q R S 7	p q r s 7
8	T U V 8	t u v 8
9	W X Y Z 9	w x y z 9
0	. 0-	. 0 -
*	* Change case	* Change case
#	# In text entry screen, press to activate symbol mode/ In standby screen or when making a call, hold down to insert the pause symbol P.	# In text entry screen, press to activate symbol mode/ In standby screen or when making a call, hold down to insert the pause symbol P.

1.6.1 Input information

In order to make it convenient for you to input the characters in the phone, such input methods as stroke and spelling, etc are specially built in the N5105 mobile telephone, which makes you look up the relevant characters with less times of key-stoke. You may press up / down /left / right direction key to choose the characters or words needed.

1.6.2 Edition window for inputting the text

It is used to input the text content, including the renaming, editing name, editing remark, and editing message etc.

1.6.3 Switch the input methods

When you want to input characters, you must choose a kind of input method firstly.Press **Option**, activation input methods,press **Select** to select input methods:

The input methods built-in the microphone include as follows:

- Chinese spelling input law
- Chinese stroke input law
- Intelligent English small letter input law
- Intelligent English capitalization input law
- English small letter input law
- English capitalization input law
- Number input law

If you want to choose the appropriate input method, please press：* key.

- Symbol input law

If you switch the symbol input law, please press：# key.

The corresponding icon to input law is showed on the lower-left corner of the screen. When editing the information, the explanation about the screen contents is showed as follows:

1.6.4 Stroke input law

The icon of stroke input law is:

Under the status of stroke input law, you may input the Chinese character according its stoke. Under this status, each key represents the stroke as follows:

Key	Corresponding stroke	Key	Corresponding stroke
1	Horizontal	6	? (Omnipotence key represents any stroke) hook
2	Vertical	3	Left-falling
4	Right-falling	5	Horizontal and turning

According to the Chinese character sequence, press the corresponding number key to carry out the stroke input. The stroke clue is showed on the lower-left corner of the screen and the candidate Chinese characters appear in the bottom row.

You may press **U** key or **D** key to look over the candidate Chinese character across pages and use **L** key or **R** key to find out the Chinese character you need and then press **OK** key to input this Chinese character.

Phrase input: after you input the Chinese character, the corresponding Chinese characters will appear on below the screen for you to choose to make up phrase that you need.

During the input stroke, you may press 6key to input “?” for replacing the unknown stroke. For example, when you want to input “好”, but don’t know how to input the first stroke “ㄑ”, you may press 6key for replacing it. At this time, the interrogation mark will appear as the stroke clue. Then you can press the corresponding number key 3 （left-falling）, 1 （horizontal）, 5 （horizontal and turning）to the residual strokes according to the stroke sequence. You will see the Chinese character “好” appear in the candidate Chinese characters area. Press the **OK** key for confirmation and finish the input.

1.6.5 Chinese spelling input law

The icon of spelling input law is：

The spelling input law provided by this mobile telephone is intelligent. So it has fewer keys. When using the spelling input law, you only need to press the number key with the letter and input the spelling letters of Chinese characters wrote. The spelling on the screen will change along with it continually. You may press L key or R key to choose the spelling you need, press U key or D key to look over the spelling options across pages and press OK key or 0 key to confirm your selection. At this time, the black cursor will appear on the candidate Chinese character. You may also press U key or D key to look over the candidate Chinese character across pages and press OK key to choose the Chinese character you need. At this time, the Chinese character you need, will appear in the text input area.

For example, inputting the “科”, you only need to press number key 5 and 3 (you may see the corresponding spelling letter on the keyboard), then press R key to choose the spelling “ke”. After you press OK key or 0 key for confirmation, the cursor will appear in the Chinese character selected row. Press R key to choose the Chinese character “科”. After press OK key or 0 key to confirm your selection, the Chinese character “科” will appear in the text input area.（ü corresponds to V on the number key）.

1.6.6 Number input law

The icon of number input law is:

The number input law is very convenient for number input. Input 0-9 ten numbers through 0—9 keys. You only need to press the corresponding number key in order to input the number.

1.6.7 Intelligent English small letter input law

The icon of Intelligent English small letter input law is:

The Intelligent English small letter input law has the same intelligence as the spelling input law. Use number keys 2-9 to input the corresponding letter. Each letter can be inputted through pressing the key only once and the word on the screen will change along with it. You may press R key or L key to choose the candidate word or U key or D key to look over the candidate words across pages and then 按 OK key to confirm your selection. At this time, the words you select will appear the text input area. For example, if you want to input “OK”, you only need to press the number key 6 and 5 (you may see the corresponding letter on the keyboard). Then you will see the word “OK” to appear in the candidate area for word. Press OK key to confirm your selection and finish the input.

1.6.8 Intelligent English capitalization input law

The icon of Intelligent English capitalization input law is:

The operation procedure of Intelligent English capitalization input law is the same as one of Intelligent English small letter input law. The difference between them lies in that it can capitalize the first letter of word automatically.

1.6.9 English small letter input law

The icon of English small letter input law is:

Under the status of English small letter input law, press the number key once for the first letter on the key and twice for the second letter and analogize sequentially. If the inputted letter and the first letter are on the same key, please wait for the cursor to appear again and then input the new letter. For example, if you want to input “OK”, you only need to continuously press the number key 6 three times for “O”, then continuously press the number key 5 twice for “K” and the input is finished.

1.6.10 English capitalization input law

The icon of English capitalization input law is:

The detailed operation procedure is the same as one of English small letter input law.

1.6.11 Symbol input law

Press # key to activate the symbol input law, which is used to input various kinds of symbols conveniently. When choosing the symbol input law, thirty-six symbols will appear on the screen. You may press up, down, left, right key to choose the symbol. After you find out the symbol you need, press **select** key or **OK** key to finish the symbol’s input. When you press # key again, exit the symbol input law and back to the input law you used at last time automatically.

2 Dial and answer telephone

After the mobile phone is set, you can dial or answer phone. This chapter will provide with all basic information needed by you.

Note：When dialing and receiving call, the phone searches matched name in the phone book, for the phone number, it only judges whether the last 11 numbers of the number is same, for other number, it only judges whether the last 7 numbers of the number is same.

2.1 Turn on and turn off phone

1. Hold down **Pwr** key to turn on phone, the starting animated picture appear.
2. If requiring to input PIN code, please refer to 1.2.3 chapter.
3. In the power on state, Hold down **Pwr** key to turn off phone.

2.2 Making call

When the mark for network operator appears in the display screen, then phone enter the idle screen, you can dial or answer calls. The information bar at the left and top corner of screen displays network signal intensity (four signal bars mean the strongest signal). The barrier has great influence on the communication quality, so if moving in a small range, the signal intensity can be enhanced remarkably.

The number can be dialed by multiple dialing modes from the idle screen, including: direct dialing, phone book dialing, rapid dialing and SIM card position dialing.

2.2.1 Direct dialing

Dial domestic phone

The simplest method to dial is to use digital key to input the phone number (if dialing domestic long-distance number, please add region number), then press **Snd** key and start call. When dialing, the display screen will display name and telephone number, after the telephone is connected, communication duration , another party's phone number or name is displayed.

After using digital key to input telephone, please press **Menu** key to activate the menu, the following menu items will appear in the menu.

Select **cal l** to call out telephone;

Select **IP dial** insert IP number to dial (Need to configure);

Select **save number** to save the telephone number (refer to 10.1.11 chapter for detailed operation)

Select **Countdown** to start Countdown function (refer to 11.10chapter for detailed function setting).

Select **Send SMS** to enter short message editing window and finish corresponding operation (refer to 6.2.1 chapter for operation on short message function);

Select **MMS** to start MMS function (refer to 11.10 chapter for detailed function setting).

After communication terminates, please press **Pwr** key to hang up the phone.

Dial fixed phone extension

It may be impossible to directly dial the extension of some fixed phone lines. You may need to connect the central line before dialing the extension number. Insert "P" between the central number and the extension number, then the handset will make the call for you. When inputing the phone number, hold down # key to enter "P", which will be

displayed in your screen. You can insert more than one “P”for more pause.

Dial international phone

When dialing international phone, you only need input the symbol “+” (press 0 key long until the symbol “+” displays in the display screen), then input your dialing nation code and complete telephone number.

For example: if dialing French phone, you need press 0 key long (until the symbol “+” appears) , then input French code “33” and complete telephone number.

2.2.2 Dial telephone from telephone book

Select the ***phone book*** from the main menu or in standby screen press **R**, after entering phone book, activate **Menu** to select and search, find corresponding person and select corresponding phone, then it is to ok to press **Snd** key to dial.

When in idle state, press right direction **R** key to enter phone list, select corresponding person and select corresponding phone, then it is ok to press **Snd** key to dial.

2.2.3 Quick diali

The rapid dialing is also called as abbreviated dialing, you can respectively set 9 number keys as telephone number (refer to 4.5.8 chapter on phone book for setting).In idle screen, press the number key from 2 to 9 which is set as speed dialing, you can automatically dial corresponding set phone number. If your selected number key is not set as speed dialing, the mobile phone will prompt you “telephone number is empty”

2.2.4 SIM card position dialing

In idle screen, press number key and # key in turn, you can implement SIM card position dialing, that is to display the phone number stored at the corresponding position in SIM card automatically, activate **Options** menu to **select** call or press **Snd** key, then you can dial out phone.

2.2.5 Unsuccessful calls

When dialing, the phone may not be called, for example: another party line occupation, denying answer, another party is not within service region and another party’s phone is not in power on mode, the phone will prompt you “phone can not be called”. At this time if you set automatic dialing (refer to 4.5.4 chapter), the phone will automatically dial the number you just have dialed, until the number is dialed for continuous 10 times and phone is not called , or you proactively cancel dialing.

2.3 Answer call

When a new call comes, the phone will display the phone number and name of the new call, moreover according to your setting, by vibration/ring/vibration and ring and keyboard light/ keyboard light and idle mode to inform you of the new call.

When the phone vibrates and rings , screen displays the indication for call, press **Snd** key or **Answer** key to answer call.

After communication is terminated, press **Pwr** key to hang up phone.

If you are answering a phone, the phone will prompt you new call by “toot ” sound. At this time you can press **Snd** key or **Answer** key to answer new call, moreover previous call will enter keeping alive state, please refer to chapter 2.4.4; if you do not want to answer, you can press **Pwr** key or **Reject** key to Stop call.

2.4 During the communication

During the communication , activate **Menu** key, you can finish the following functions: dial extension, keep alive, idle, new call, newly create short message and phone book.

Select **Hold** to keep current communication (related with SIM card), at this time both parties can not hear voice, meanwhile **Hold** menu change to **active**, select this menu and return to normal communication, or directly press **Active** key to activate current communication. You can also directly press **Hold** key to keep current communication.

Select **Mute** to pause the communication voice, at this time you can hear another party's voice, but another party can not hear your voice, it facilitates you to communicate with other local person during the communication, the menu item changes to **cancel idle state**, select the menu to return normal communication process.

Select **new call** to dial second number. A new number can also can be dialed by pressing number key during the communication, press **Snd** key to dial out phone.

Select **phone book** to enter phone book window, then implement corresponding operation, which facilitates to query a phone number during the dialing phone.

Select **new SMS** to enter new short message window and finishe corresponding operation, press **Return** key to exit short message window and return to communication state.

When dialing extension, after hearing the prompt voice of another party, directly dial extension number, extension number displays in the screen, when finishing extension dialing, you can press **Delete** and **Return** to display main phone number.

Press **Speaker**（Right function key）to enable hand-free. Being pressed, **Speaker** Changes to **Receiver**, **Receiver** to resume to the normal call。

2.4.1 Adjust volume

Press **Vd** key and **Vu** key to decrease or increase the volume during the communication.
Refer to 1.4 chapter illustration for key positions.

2.4.2 Reject

Press **Pwr** key or **Reject** key reject the phone. After stop call , the communication duration will display.

2.4.3 New information

During the dialing phone, if having new information, the phone will give prompt voice to remind you new information (short message).

2.4.4 Answer new phone

Refer to 2.3 for receiving operation and its content, the different point is that after answering a new phone and the previous call will keep communication state. The previous communication can be activated by **Switch** key, but new call will enter the communication keeping state.

Refer to 2.4.5 for operation on simultaneous two call receiving.

2.4.5 Simultaneously answer two calls

When answering two calls, the current communication number displays at the first line, another call will enter communication keeping state, two calls can be switched by pressing **Switch** in Menu .

When the second call is switched on, activate **Menu** key and implement the following functions: switch, new short message, hang up, idle, conference (related with SIM card) and operations on phone book.

Select **switch** to switch communication.

Select **hang up** to hang up current communication, or press **Pwr** key to hang up current communication.

Select **Mute** to pause voice of current communication, at this time you can hear another party's voice, but another party can not hear your voice, which facilitates you to communicate with other local person during the communication, the menu changes to **Unmute,** select this menu and return to normal communication.

Select **conference** to hold phone meeting and can communicate with the specified participant separately.

Select **phone book** to enter phone list function, which facilitates you to query phone number during the dialing the phone.

Select **new SMS** to enter new short message window , after finishing corresponding operations, press **Return** key and exit the short message window, then return to communication state.

2.4.6 Conference

In the conference, you can hold telephone meeting and make a separate call with specified participant. Functions include: keep communication, new short message, new call , idle, phone book and participant member list.

Select **Hold** to keep current communication (related with SIM card), at this time both parties can not another party's voice, meanwhile **Hold** menu changes to **Resume**, select this menu and return to normal communication, or directly press **Active** key to activate current communication. Also press **Hold** key to keep current communication.

Select **new SMS** to enter new short message window , after finishing corresponding operation, press **Back** key to exit short message window and return to communication state.

Select **new call** to dial second number. A new number can also be directly dialed during the communication, press **Snd** key to dial out the number.

Select **Mute** to pause voice of current communication, at this time you can hear another party's voice, but another party can not hear your voice, which facilitates you to communicate with other local person to during the communication, the menu changes to **resume**, select this menu to return to normal communication.

Select **phone book** to enter phone list function, which facilitates you to query the phone number during the number dialing.

Select ***meeting participant list*** enter member list window, activate menu, operation of ringing off and separating communication can be implemented, select **stop call,** stop all communication with selected members; select **Hung up**, separate all selected members from conference.

If a new call comes during the conference , refer to 2.4.5 for processing.

2.5 Emergency call

In any nation using digital GSM network, if you are within the network covering range(you can get this information by checking network signal intensity at right and top corner of screen), you can call emergency service. If you are within the network covering range, and even you have not SIM card, you can make an emergency call.

”112” is a standard GSM emergency number, which can be used in any GSM network of the world.

3 Menu operation

This chapter will help you to know the function and structure of the mobile phone’s menu, which will explain how the self-define the mobile phone functions for meeting your needs for details, moreover also reveal how to use basic operation function.

3.1 Structure of main structure

The function menu of the mobile phone contains: setting, my favorites, message, monternet, China Mobile in, customer service, phone book, accessory and call history 。

3.2 Select main menu

At the bottom of the menu screen , press up, down, left, right key , then press **Select** key or **OK** key to select and confirm menu.You can also press number keys to enter corresponding module.

3.3 Other selection modes

In the idle screen, all function keys define special menu function, which can facilitates you to directly enter menu function very much, illustrated as follows:

Note：

If the mobile phone is the keyboard locking state, after disabling the keyboard, you can use mobile phone.

The special function shortcut keys are as follows:

Function key	Function menu items
Left function key	Enter function menu
Right function key	Enter WAP
Up key	Short:Phone mode;Long: Switch to the last mode
Downward key	Enter My data
Left key	Short press to create a message; Long press to enter SMS Inbox

Right key	Phone book
Side up key	Short:ring volume up ;Long: Camera
Side down key	ring volume down
Okkey	When no events in there to respond, Short press: My menu; Long press: MP3 When there are events, short press OK to view the event, long press to enter MP3
Send key	Recent dialed numbers
Power key	Return to idle screen or close / Power off&Power down mobile phone
Press * long	Enter Phone Lock
Press number key from 1 to 9 long	Speed dialing, enter menu in menu mode
Number + #	Dial specified position number in SIM card

3.4 Menu function table

Settings

phone
Phone modes
Display
Calls
Security
Network
My menu
Connection
Reset

My favorites

Videos
Sounds
Pictures
Music
M-Flash
MMS card
Java box
Memory card
Storage status

Message

Create
Inbox
Outbox
Sent
Drafts
My folder

Monternet

Homepage
Bookmark
Go to URL
Link last page
History
Offline brower
Setting
GPRS Info

China Mobile in

Music channel
News &Weather
Pic &Ring
Games

	Chat
	Finance Online
	PB manager
	STK
	My Monternet
	Monternet
Costomer service	Service guide
	GoTone Club
	Hotline Num
	Customer Manager
	Mobile Secretary
	My Monternet
	Settings
Phonebook	
Accessory	
	Camera
	Tools
	Connection
	SyncML
	Games
	Multimedia
Call history	
	Outgoing calls
	Answered calls
	Missed calls
	Call duration

4 Setting

4.1 Phone

The setup on mobile phone, which includes such as time and date, language, auto lock, and my menu, is for the service situation.

4.1.1 Date & Time

For the time, date, and corresponding forms of setup, use the key of **U** or **D** to select the content, press the key of **Select** to confirm the content needing to change.

***Time*:** All you input the correct time with 12/24 hours

***Format*:** Adjust the format to show the time.

***Date*:** All you input the correct date.

***Format*:** Set up the format to show the date.

4.1.2 Language

There are two selections such as Chinese simplified character and English. While setting up, use the key of **U** or **D** to select the content, press **Select** or OK to confirm the content needing to change, and press **Back** to delete the selected content.

4.1.3 USB Mode

***Modem mode*:** Enable Modem mode, and then the system can be used for data synchronization and modem.。

***U-disk mode*:** If you enable the U-disk mode, you phone can be used as a U-disk. However, once you enable this mode, synchronization and modem are disabled.

Note: after switching mode, the system will auto-restart. The new mode can take effect after restart (See system pop-up)

Using Modem mode, you need installing driver. You can only switch to U-disk mode (Modem mode not included) on a computer that hasn't install driver.

4.1.4 Touch-sensitive wheel set up

Touch-sensitive wheel is a feature of the phone, by sliding on it you can select menu,options. Etc. Here you can choose to adjust its speed or disable this feature.

4.1.5 Side key lock

Switch on the lock to side key and MP3 controller to avoid pressing keys by accident with mistaking operations. On/off :set the auto lock on or off.

4.1.6 My Menu

To enter the window of My Menu, activate the key of **Option**, select **Insert the Menu before** to insert the new menu before the currently selected menu, and enter the window of prepared list. Select the inserted menu, press the key of **Select** or **OK** to insert the menu, select **Replace**, and use another menu to replace the currently selected one, and the operation is the same as Insert the Manu. **Delete**: delete all selected manus; **Delete All**: delete all manus.

Note： ”Music Channel”and “Music Player” are inbuilt menu in system, you can not delete, replace,insert or delete all.

4.2 Phone Mode

The Phone mode is a group of preset characteristic definition that is easy to start quickly. The mobile phone provides a group of default modes including Normal, Meeting, Outdoor ,Silent , Offline and Personal mode. For every mode, there is a set of default factory value, and the user may change and save in the mode according to his or her wish.

4.2.1 Startup Mode

After selecting the desired operating mode, press the key of **OK** to start up the setup option. Now, the operating mode of mobile phone will carry out setting up completely according to the selected mode.

4.2.2 Personal Setup

In the mode window, activate the key of **select** to enter the personal setup window. The user may set up the parameters of mobile phone under all kinds of modes through the personal setup. The personal setups include the options as following:

Volume Tune the volume of ring and the degree of volume, select the set content, and press the select key or OK to enter the correspondingly adjusting window. Use **U** or **R** or **Vu** to tune up the volume of call ring, and **D** or **L** or **Vd** to tune down. Press Enter to set up, and prompt “The volume of ring has been changed.”

Ring Type Set up all prompt modes including call, short message, WAP, clock, and calendar. For example, if hope without any oscillating prompt when operating daily, only use **U** and **D** to select the oscillation, press the key of **Select** to select the setup, and press OK to finish it. The mobile phone will prompt “The prompt volume has been set up”.

key tone Select the key pressing prompt tone, or close it.

Music to startup or close Enable or Disable the Power on/off music play..

4.3 Display

The **Display** include Main -LCD, Sub-window ,Backlight time,Brightness.

Main -LCD Includes selecting the background picture or the tone. ***Wallpaper*** Select the favorite picture as background from the mobile phone. Select the favorite picture from all usable ones. Press **Option** to see the picture, press the key of **Set** to set up the selected picture as wallpaper in desktop. Press **Back** to back the last menu. ***Color style*** There are four color-tones together in ***Color style*** to select. Use the key of **U** or **D** to select the options for viewing the effect when setting up. Finally, select the key of **Select** or OK to confirm the content needing to change. Press **Back** to delete the selected content. ***Main menu style*** to set the main menu style,allow to select three style .

2nd-window The little screen setup includes three functions such as selecting background picture, clock style, and circumrotation. ***Wallpaper*** Set up the little background picture, allow selecting in preset picture, photograph, and downloaded picture. ***Display Style*** Set up the showing style of little screen clock, allow selecting the analog clock or digital clock. ***Rotation*** Set up the showing direction of little screen, the mobile

phone provides two showing modes.

Backlight time to set backlight lighten time , allow to select 10s,20s,30s,60s,press **Select** or press **OK** or touch the menu with touch pen to confirm .

Brightness Allow selecting the brightness of background in the following three options such as High, Normal or Low. After selecting, press **Select** or **OK** to confirm the content needing to change, or press **Back** to delete the content selection.

4.4 Ring tone

In the window of Ring Selection, set up the prompt such as Incoming call, SMS,MMS, WAP,Mobile QQ, Schedule. Select the set menu option, and allow selecting from preset, download, and music to enter the window of Ring Selection. Press **OK** to play the currently selected ring. Select **Set** to set up all selected rings as the one in currently selected option.

4.5 Calls

There are two kinds of ***Calls*** to confirm whether to use the call function or not. When entering the function, it will always show the actual setup.

4.5.1 Anykey Answer

Permit to press any key (except the key of Power and side key an right function key) for receiving the call. If close the option, receive the call only by other modes.

4.5.2 Call Diversion

The call transfer is used to transfer calls to the desired phone according to requirements.

When carrying out the setup of call transfer, the success of setup is depended on network and SIM card. Mobile phone will prompt suitably with the setup.

When setting up the option, ask you input the correct phone number to transfer the call correctly to the desired phone. If there is no, please check the transferred phone number is correct or not in mobile phone.

Unconditional When the option is set up, all calls will be transferred to the desired number.

Busy When the option is set up, transfer the call to the desired number when your mobile phone is busy.

No Reply When the option is set up, transfer the call to the desired number when you do not answer the call.

Unreachable When the option is set up, transfer the call to the desired number when you are not in service area (when the network signal is not good or the signal environment is very poor).

Cancel diverts Select the call transfer, press **Enter** or **OK** to delete the transfer, and press Return to back the last menu.

Status Check the state of all current call transfer options.

4.5.3 Call Waiting

The option is to control whether permitting the call wait or not. If the option is closed, the third part will listen the busy tone when calling the busy phone.

4.5.4 Auto Redial

The option is to control whether permitting to recall automatically or not. If the option is closed, the phone cannot recall automatically when not putting through.

4.5.5 Sent my number

The line identification facility enables you to choose whether or not to send your own phone number when you make a call. This facility is network dependent.

4.5.6 Auto Answer

The option is to control whether permitting to answer automatically or not.

4.5.7 Fold answer

When permitting to call or not, fold the cover to receive the call.

4.5.8 Quick dial

The quick dial-up can be set up in the mobile phone. Use the number key of 2~9 to show different phone number. When using, press some certain number of 2~9 under the waiting screen for long time to call the corresponding number. If the number key is not set up with phone number, the mobile phone will prompt that the phone number is blank.

When setting up the quick dial-up, press the number key under the waiting screen without setting up the quick dial-up for long time; also set up a quick dial-up number of call setup to enter.

After entering the setup interface of quick dial-up, there will be different operating prompts according to different situations that you do select the number key to set up the quick dial-up or not. If the number key is set up with quick dial-up, there will be a prompt with set phone numbers or recipient at the left lower screen corner of mobile phone. If not set up, there will be some prompts being not bound at the left lower screen corner.

Select **Delete** to delete the existed number and reset up the new number.

When setting up new number, get the desire one through inputting numbers manually or browsing the phone book. Put it into the desired number key of quick dial-up so as to use conveniently. If the number is finished to select, the mobile phone will adjust automatically that the selected number is the existed one or not in it. If strange, it only shows the number to give you the correct prompt as possible.

If there are quick dial-ups, the icon of number key is the one with √. If not, it will be a normal one of number key.

4.5.9 Minute tone

Set up the open or close of minute prompt. If the function is started, there will be minute prompt in the process of call. If closed, then there is no minute prompt at all.

4.5.10 Incoming call filtering

Incoming call filtering is a kind of feature easy and handy, which protect you from being interrupted by unwanted calls. You can utilize this feature under various circumstances. It includes “Black list”and ”White list” in which the phone calls (Max: 30) you want to auto-reject are saved in“Black list”, and those with permission (Max 30) are save in “White list”, any other ones that are excluded will be rejected utterly.

Note：System only compares the last eleven digits to those in Black/White list to perform filtering or not.

Status

Enter **Status,** select filter type, and then press OK or **Select** to confirm. Before you enable the filter, you have to set up the name list.

Black list

Enter **Incoming call filtering**, select “Black list”, press **Select** or **OK**

To enter name list. If no filtered names added in, it will display blank. Activate Option Select New to add unwanted number; Select *Delete* to delete highlighted number; Select *Delete all* to delete all items.

White list

Operations on White list are the same as that on Black list.

4.5.11 Phone number display

Choose to display call originator’s number on the receiver’s device.

Note：This service needs network support。

4.5.12 IP Code

Setting up IP code: input the IP code to use. If not setting up, it is same as the effect of directly dialing up.

4.6 Security

The setup of safety includes the following contents such as Phone Lock, Bare call ,SIM password, PIM safety, Security mode, Modify password.

4.6.1 Phone Lock

This function is for Phone Lock , If you want to use the phone ,you must input the right password (The default password before leaving the factory is 1234),you can change the password in Setting—Security—Modify password.

On :Input the right password ,you can lock the phone;

Off:No phone lock function,disable the phone lock you must input the right password .

You can long press the * to enter Phone lock at idle .

4.6.2 Bar calls

network operator will offer the password (1234) for start the Bar calls . If it is forbid, the system will prompt “Call barring failed!”

Incoming calls :

- ***When roaming:***When roaming Prohibit all incoming call;
- ***All incoming :*** Prohibit all incoming call.

Outgoing call:

- ***International*** Prohibit all international call;
- ***Local calls :***Only allow of local call;
- ***All outgoing:***Forbid all the outgoing call.

Cancel all:

Cancel all the bar call ,must input the right password (The default password before leaving the factory is 1234).

Modify password : modify the bar call password .

4.6.3 SIM password

PIN Lock: Turn on PIN code of SIM card. Only inputting PIN code can start up the mobile phone, or it can only dial up some emergency telephone such as 112. If selecting to close, start up without any PIN code.
Opening Personal Security Information: Open or close the function of personal security information.

Note：
PIN code is related with SIM card, and is the operating password of SIM card.

The password of mobile phone is the one of it self and not related with SIM card.

For example: After the function has been set up as Mobile Phone Locked (SIM card does not start using PIN code), mobile phone is at the state of being locked. Now only inputting the password, others cannot use when borrowing your mobile phone, but may dial up while insert SIM card into another mobile phone.

When setting up PIN to start and not Mobile Phone Locked, only input PIN code into the mobile phone to use it normally. Or if changing other SIM card, it may be used normally.

After changing the password, please remember the set-up password, or the owner cannot read any important personal information either. Contact with the maintenance server if necessary.

4.6.4 PIM safety

PIM safety is the password of personal security information. The personal security information requires inputting the password firstly when operating important information so as to avoid others viewing the information of owner such as Phone number book, message, my favorite, and correct password needing to input when recording the conversation. The default password before leaving the factory is 1234.

First input the password when selecting the option. When operating with any related personal information from the waiting state, require the mobile phone to input the personal information password. If close the option function, do not ask to input the password when operating, and not provide the personal information protection either.

4.6.5 Security mode

On or off security mode ,must input the right passedword (The default password before leaving the

factory is 1234).

Enable : If startup the security mode ,you can set security group for phonebook , only the owner of the phone or the people who know the ringht password can look over the security group information.At the main menu ,select the phone book ,the system will prompt “No rocord!”.press the **Menu** ,can do ***Create*** ,***Copy***, ***Move,Delete,Multi-delete,Delete all,Group,Find Black list,My number,Storage status,Diplay all the record***. When startup the security mode ,also can setting security content for the schedule,in the calendar ,press the **Menu** , you can do: ***Select date*** , ***Create*** , ***Schedule list*** , ***Only show security*** ,***View summary***.Select only show security ,only show the security connect ,after select s***how security*** ,this menu turn to ***show all content***.

Disable : Free from the security mode.

Note:After startup the security mode ,at random interface ,press **Pwr** , will Free from the security mode.

4.6.6 Modify password

modify the phone lock password .

4.7 Network

You can indicate whether the GSM network used when roaming (outside your home network area) is searched automatically or manually (see below). If you try to connect a network which does not have a valid roaming agreement with you local netowrk, the screen will display “Network connection failed”.

4.7.1 Current network

look over current network’s name and ID;

4.7.2 Auto select

Your handset will search the original network first, then search through the network list in SIM card. If there is no available network, any network which has a valid roaming agreement with your local netowrk will be connected.

4.7.3 Manual select

Your handset will scan for available network and provide you with the current network list. You can select your preferred network and will be told whether the connection is successful or failed.

4.7.4 Profile

You can set connection mode and Pic download:Access connection setting window and activate **menu**:

Activate: activate the selected mode

Edit: access mode window and edit selected mode. In the edit window you can press **select** to select desired setting and access the window:

Name: view or edit the name of edit mode

MMSC:look over or edit the number of MMS;

Homepage: view or modify the address of homepage;

Gateway: include ip address ,ip number ,an connect type ;

MMSC : View or edit address to MMS center(Eg.For china Mobile: http://mmsc.monternet.com);

Bearer type : select connection mode. Press “up” and “down” key to select the connection mode, press **select** to activate the mode:

- ♦ Only GPRS : only use GPRS
- ♦ Only CSD: only use CSD

CSD setting: modify CSD connection setting, select desired setting and press select to access the related window:

- ♦Connect type :to set connect type ,allow to select ISDN and analogue mode;
- ♦ Dial-up number: dial it and access to network
- ♦ User name: user name of network
- ♦ password: user password of network

GPRS setting: modify CSD connection setting, select desired setting and press select to access the window:

- ♦APN: access point name of GPRS gateway
- ♦ User name: user name of network
- ♦ password: user password of network

DNS Setting: input DNS address (is just the same with GPRS Mode).

4.8 Calibration

When you feel you can not control your stylus that accurate, please calibration the screen to insure the screen make the right reaction. Follow system instructions to operate.

4.9 TTS setting

Set this function, on idle screen , long press ,the system will prompt time 、 date etc. as voice ,also can read the message's content as voice :

1. Select "TTS setting "into TTS set window ;
2. Select "TTS state " ,to set incoming call ,SMS,MMS,push message,alarm ,schedule and remind's tone state;
3. Select "TTS read" ,to set read SMS,read messagelist ,read missed calls ,read unread message,time prompt ,date prompt and week prompt on or off ;
4. Select "prompt tone ",in to prompt setting window ,to set the prompt tone ;
5. Select "prompt text" ,to set known number call,unknown call , known number message , unknown number message.

4.10 Reset

If you enable "PIM protect", then when you try to reset you phone, it will pop up "Please input password". Only if you input the correct password can you carry on ***Reset settings/Reset all***

4.10.1 Reset settings

The option may resume all original factory values. After selecting the option, the mobile phone will prompt you "Are you sure to resume the factory setup". When using the option, it do not clear the materials that you have saved by yourself such as phone book, short message, and so on. You may only change the operating environment setups of mobile phone such as selecting rings, scene mode, etc.

4.10.2 Reset all

The option may resume all original factory values. But it will clear the materials you have saved such as phone book, short message, and so on. The detailed operation is the same as Resuming Setup.

5 China Mobile in

China Mobile in are a kind of new mobile data increment service which can provide users convenient and plentiful information such as weather, stock, lottery, sports, joke, interactive game, emotion and life, and make users enjoy mobile services at any time and place. “Music Channel”, “news and weather”, “Pic&Ring”, “ Games”, “ Chat” , “Finance online” “Movie and TV” , ”PB Manager” (See Chap.9 for operation details) can access network directly. To obtain plentiful contents, please follow the system prompt.

Note: securities and lottery are investment modes with high risk and high income, so all information provided by China Mobile service is only as reference.

5.1 SIM Applications

This service is provide by network operator. There may be different items under this folder, according to the services provided on SIM card. The name and content are totally defined by the service provided. If both the SIM and the operator don’t support a service, it will not appear on your phone. Please contact with the network operator for more information.

Note: Whether you can enjoy a service depends on whether the operator provides it or whether you have subscribed to it. If you insert a SIM card provided with increment service, it will display icons in menu. Select it and you can enter SIM Applications

6 Monternet

The phone has WAP function which can view Wireless Mark-Up Language(WML) used in webpage, make you keep close touch with the whole world and provide more convenience to access the web.

To use WAP, you need:

1. Please consult your network operator and service provider whether they provide the service, related information about price and how to use the service.
2. Set WAP explorer correctly on your phone
3. Use WAP explorer to view webpage and make other operations.

The phone has GPRS function which can access webpage by the way of both normal data calling and GPRS based on GSM network.

Note:

Using GPRS function to access webpage depends on whether network operator provides the function and whether you apply for it.

6.1 Menu of WAP explorer in the offline status

6.1.1 Homepage

Homepage can make user access Internet easily. Scroll to “homepage” and press **select** or **OK** to access homepage.

6.1.2 Bookmark

Bookmark is used to save desired websites and set them by names easy to remember. You can view websites stored in bookmark. Scroll to "bookmark", press **Option** select ***Go to URL*** view websites in bookmark. Select ***View*** look over the bookmark's title ,NEC dream URL.

Note :you can view NEC's content web to win more pictures ,games and ring tone. The web is http://www.necdream.com.cn

。

6.1.3 Go to URL

Input desired website, press **OK** to view it.

6.1.4 Go to the Last page

Scroll to " link last page" and press **select** or **OK** to view the webpage last viewed.

6.1.5 History

Look over the history browsered ,press **option** select ***browse*** browse the history which you select; ***Delete*** delete the history which you select ;***Delete all*** delete all the history.

6.1.6 Offline browse

When browse web ,press **menu** select ***option –save snapshot ,***save the web which you browse **.**select ***offline browse*** you can browse the web offline which you saved.press **option** select ***browse*** browse web ;select ***delete*** delete the web which you saved ;select ***delete all*** delete all the web you have saved.

6.1.7 WAP settings

1. Profile : to select profile;
2. **Clear cache** : clear cache ;
3. **Pic download** ***:*** to set download image or not ;
4. **setting music*:*** to set setting music play or not
5. **Security** ***:*** to set security on or off .

6.1.8 GPRS information

View GPRS informationScroll to " GPRS information", press **select** to access GPRS information window. You can view GPRS information of last connection and all connections, and delete records.

6.2 Menu of explorer in the online status

Press **Menu** you can do:

New bookm...: add the browsing URL to book mark ;

Homepage:go back to homepage ;

Bookmark:in to the bookmark window;

Go to URL: input the URL which you want to browse ;

Refresh:refresh the web ,link again ;

Stop;stop browsing ;

Option : Select ***show URL:*** show the browsing wap's URL,press **Option** select ***New bookm...*** add the URL to bookmark ;select ***Send URL*** send the URL as SMS.

Select ***Save snapshot***; if save the browsing wap,you can offline browsing the save wap ;

Select ***Save picture***:save the picture which you select to “my favorite” (only when you select the picture have this menu)

Offline browse: browse the wap offline ;

History : look over the history of browsed

Settings : to set profile ,clear cache ,Pic download ,setting music ,security.

GPRS info. : View GPRS informationScroll to “ GPRS information”, press **select** to access GPRS information window. You can view GPRS information of last connection and all connections, and delete records.

press **Pwr** to exit explorer.

6.3 Memory Card

The device (with memory card) can be used as a U-disk by means of connecting it with PC via data cable (Particular accessory, please consult with the local carrier for marketing information of various accessaries). The operation is same as general U-disk

You can save recordings,videos or MP3 files downloaded via wireless network to memory card, morever, you can save pictures (including photo), 3gp, MP3 and ring tone you download. To install memory card, you can insert it into the socket on the right side of your device (see Chapter 1.4) , if you want to remove it, just push the button and it will be ejected automatically.

Note: you need to buy a USB cable and a reader for the memory card to enable you to save music to memory card. Please contact the local dealer for details.

Shaking your phone may result in slip-out of the memory card that, pay attention not to lose it due to this.

Please don’t warp or scratch on the memory card nor have it exposed to static, dust or damp environments.

The first time a memory card is inserted, on your phone it will automatically create four folders: *_music;* _picture; _sound; _video。User can only view data in these four folders on the phone.

It provides no sub folders to access in the four folders.

To disconnect the U-disk: Please first remove it from PC: select , press right mouse key. Select “Pull or eject hardware” select “stop” in the pop-up. Wait until it promps “Now it can be safely removed from USB Dvice”

Press OK to confirm and then you can pull out the USB cable.

If plug/unplug USB cable without disconnecting from the PC, the memory card may get malfunctioned and a data lost may happen. Please remember to backup your files in case that they get lost.If the memory card is malfunctioned, please format it. See Chapter 7.10.5 for specified operations.

It is forbidden to plug/unplug USB directly without disconnecting from PC.

Plugging/Unplugging USB cable in non-idle state will shed it to idle.

You have to inset memory first, please consult with the local dealer for marketing information of various accessaries

7 My Favorite

7.1 Multimedia Resource

My favorites are used to browse, set up, and utilize pictures and music resources in mobile phone, also to carry out querying the capacity. (If setting up the security password, only input it to enter the window of My Favorite. For the detailed setup of security password, see Section 4.6.4).

7.2 Resource Utilization

The multimedia resource has different utilizations according to different types.

Picture: is used as the background of desktop

Music: is used as all kinds of prompt voices in mobile phone as following.

- Calling ring
- SMS ring
- MMS ring
- Alarm, Schedule ring

Note：

The prompt voice of system is not in the scope. It only has the option of open or close, such as minute prompt.

7.3 Videos

7.3.1 My videos

That in videotape is some short films that you shot,Press **OK** You may view the effect of short films in the window.Press left key an right key control the command key , press **OK** to select.The control key is :

Pause Play Go up Stop Next Cycle all No cycle Single cycle

Press side up key to ring volume up ,press down key to ring volume down.

Activate the menu of **Menu**:

Select ***Rename***: rename the selected short film

Select ***Copy to card***: copy the short film to EMS Memory

Select ***Move to card***: move the short film to EMS Memory Select ***Delete***: delete the selected short film;

Select **Multi —*Deletes*:** enter the window of selecting names, press the direction key of Up and Down to select the record to delete, press **OK** to select the recipient, press **OK** to confirm the selection, and then realize deleting many options.

Select ***Deleat all:***Deleat all the movies;

Select ***Send MMS***: Sent movie as MMS' content;

Select ***Property*** : view all contents relating to the selected music such as name, size, and format.

Note: It supports videos with 3GP format here.

If the memory is still sufficient, you can save at most 100 videos here;

If the memory is not sufficient, you may not able to save videos to that number.

7.3.2 Download

Video clips you download are stored here. Please refter to "My videos" to see how to manage files.

Note: It supports videos with MPG4 and 3GP format here.

If the memory is still sufficient, you can save at most 100 videos here;

If the memory is not sufficient, you may not able to save videos to that number.

7.4 Sounds

7.4.1 Download

That saved in download is thedownload music . Enter the window of download , Press **OK** to listen the ring, and press **OK** again to stop playing. Active the key of **Menu**, and the functions in menu are shown as following.

Select ***Set as Ring tone*** : after selecting the required ring, select the option to confirm the selected ring as the calling ring.

Select ***Rename***: rename the selected music ;

Select ***Copy to card***: copy the music to EMS Memory

Select ***Move to card***: move the music to EMS Memory

Select ***Delete***: delete the selected music;

Select **Multi —*Deletes*:** enter the window of selecting names, press the direction key of Up and Down to select the record to delete, press **OK** to select the recipient, press **Select** to confirm the selection, and then realize deleting many options.

Select ***Deleat all:***Deleat all the music;

Select ***Send MMS***: Sent music as MMS' content;

Select ***Property*** : view all contents relating to the selected music such as name, date, size, and format.

7.4.2 Preset

That stored in preset music is the one from the system. Enter the window of preset music, and press the direction key of Up or Down to select the ring. Press **OK** to listen the ring, and press **Stop** to stop playing. Activate the key of **Option**, and the functions in menu are show as following.

Select ***Set as Ring tone***: after selecting the required ring, select the option to confirm the selected music as ring for Call, SMS and MMS..

Select ***Property:*** view all contents relating to the selected music such as name, size, and format.

7.4.3 Recordings

Recordings stored here are system-companion ones, press **Option** and you can:

Select ***Play***: play selected recording;

Select ***Rename*** : Rename a file as a preferred one.

Select ***Settings*** : Set the selected recording as Call ring tone, SMS ring, or MMS ring.

Select ***Copy to memory card***: Copy selected file to memory card;

Move to Memory card: Move selected file to memory card（the moved file will no longer in itsoriginal position）;

Select ***Send MMS***: Send selected file in MMS form（Recording more than 100k can not be sent）;

Select ***Delete***: Delete selected recording;

Select ***Multi-delete***: Fill in the check box and choose what you want to delete.

Select ***Delete all***: Delete all recordings;

Select ***Properties***: View file information, including name, format, size, date and copy right.

Note:

If the memory is still sufficient, you can save at most 100 recordings here;

If the memory is not sufficient, you may be not able to save recordings to that number.

7.5 Pictures

7.5.1 Photos

The saved photograph is that you have shot. You may view the effect of shot photograph through the window. Select it to enter the window, press the direction key to select that you will view, and activate the key of **Option**

Select ***Rename***: rename the selected photos

Select ***Copy to card***: copy the photos to EMS Memory

Select ***Move to card***: move the photos to EMS Memory

Select ***Delete***: delete the selected photos;

Select **Multi -*Deletes*:** enter the window of selecting names, press the direction key of Up and Down to select the record to delete, press **OK** to select the recipient, press **Select** to confirm the selection, and then realize deleting many options.

Select ***Deleat all:***Deleat all the photos;

Select ***Send MMS***: Sent photos as MMS' content;

Select ***Property***: view all properties of photographs including name, date, time, size, height, width, format, and transfer.

Press **OK** to view the effect of photograph, and enter it to show the window. Activate the menu of **Menu**, and select ***AS head picture*** :set photograph as head picture; Select ***Send MMS***: Sent photos as MMS' content;select***main wall paper :*** set the photograph as the background of desktop. Select ***2nd wallpape***r set the photograph as the 2nd wallpaper ;select ***Full screen view*** to browse the photograph with whole screen; select ***Auto view*** :to browse the photpgraph auto view .

7.5.2 Download

The saved pictures is that you have download . activate the key of **Option**

Select ***Rename***: rename the selected picture;

Select ***Copy to card***: copy the picture to EMS Memory

Select ***Move to card***: move the picture to EMS Memory

Select ***Delete***: delete the selected picture;

Select **Multi -*Deletes*:** enter the window of selecting names, press the direction key of Up and Down to select the record to delete, press **OK** to select the recipient, press **Select** to confirm the selection, and then realize deleting many options.

Select ***Deleat all:***Deleat all the picture;

Select ***Property***: view all properties of picture including name, date, time, size, height, width, format, and transfer.

Press **OK** to view the effect of pictures , and enter it to show the window. Activate the menu of **Menu**, and select ***AS head picture*** :set picture as head picture; Select ***Send MMS***: Sent picture as MMS' content;select***main wall paper :*** set the picture as the background of desktop. Select ***2nd wallpape***r set the picture as the 2nd wallpaper ;select ***Full screen view*** to browse the picture with whole screen; select ***Auto view*** :to browse the picture auto view .

7.5.3 Preset

That stored in preset music is the one from the system. Enter the window of preset picture, and press the direction key of Up or Down to select the picture. Press the key of **Menu** to view the property of picture. Press **OK** to view the effect of picture, activate the menu of **Menu**, select***main wall paper :*** set the picture as the background of desktop. Select ***2nd wallpape***r set the picture as the 2nd wallpaper ;select ***Full screen view*** to browse the picture with whole screen; select ***Auto view*** :to browse the picture auto view .

7.6 Phone Animation

7.6.1 Preset

M-Flash stored here is system companion ones, press **Option** and you can:

Select ***Main screen wallpaper:*** Set the selected animation as wall paper on main screen;

Select***Properties:*** View file name, type and size of the present animation.

Select one animation to play, press**Pause** to pause playing, now the corresponding button turns to **Resume** .press it to go on playing, press**Stop** to stop playing and return to Play list.

7.6.2 Download

1) M-Flash

Animation files are from those you download and saved, activate**Options**, you can:

Select ***Main screen wallpaper:*** Set the selected animation as wall paper on main screen;

Select ***Delete***: Delete selected file;

Select rename: Rename selected file;

Select***Properties:*** View file name, type, size and provider of the present animation.

Select one animation to play, press**Pause** to pause playing, now the corresponding button turns to **Resume** .press it to go on playing, press**Stop** to stop playing and return to Play list.

2) Karaoke

Karaoke files are from those you download and saved, See **M-Flash** for relative operations.

3) Games

Games are from those you download and saved, See **M-Flash** for relative operations

4) Movies

Movie files is from those you download and saved, See **M-Flash** for relative operations

Note: If the memory is still sufficient, you can save at most 80 clips here;

If the memory is not sufficient, you may be not able to save M-Flash to that number.

7.7 Music

That saved in download music is the downloaded music. Enter the window of download music, and press the direction key of Up or Down to select the ring. Press **OK** to listen the ring, and press **Stop** to stop playing. Active the key of **Menu**, and the functions in menu are shown as following.

Pause Play Go up Stop Next Cycle all No cycle Single cycle

Select ***Set as Ring tone*** : after selecting the required ring, select the option to confirm the selected ring

as the calling ring.

Select ***Rename***: rename the selected music ;

Select ***Copy to card***: copy the music to EMS Memory

Select ***Move to card***: move the music to EMS Memory

Select ***Delete***: delete the selected music;

Select **Multi -*Deletes*:** enter the window of selecting names, press the direction key of Up and Down to select the record to delete, press **OK** to select the recipient, press **OK** to confirm the selection, and then realize deleting many options.

Select ***Deleat all:***Deleat all the music;

Select ***Send MMS***: Sent music as MMS' content;

Select ***Property*** : view all contents relating to the selected music such as name, size, and format.

7.8 MMS Card

MMS Card is the one from the system,It can sent the pictures as the MMS' content .

7.9 Java Box

The wireless JAVA looks like a jewel box following with mobile phone. You may find all kinds of JAVA software at any time. After downloading them, you may enjoy many services of Internet through mobile phone such as downloading all kinds of games, cartoons, mini-novel, and so on. You may also carry out all kinds of online applications such as network game, receiving or sending email, securities stock, information query, etc. to change it into a game or stock machine.

There are about some contents such as TV program forecast and mobile securities in JAVA mobile jewel box. The jewel box with different contents may provide different service so as to realize an omnipotent mobile phone with infinity development space.

7.9.1 Memory State

It queries the situation of used space by videos, audios, pictures and music. It also shows the used space and the total space.

The memory left for user is approximately 35M.

8 Message

This chapter will introduce message services supported by GSM. Some services may be not supported by local GSM.

8.1 Message

You can send a new message or reply a message (by service center) if local GSM supports. If your service provider supports message service, you can receive/send messages as your wish (to set security password, you must input the password and access message window. The setting of security password is seen in 4.4.3).

Message functions include: new, inbox, outbox, outgoing messages, draftbox, my favorite, setting, voice mailbox, memory status

Note: when sending or receiveing messages, the matched name you find in phone book is only dependent on 11 numbers behind the number; for other number, only 7 numbers behind the number are needed.

MMS（Multimedia Messaging Service, MMS） content character ,pictures and sounds .（to set security password, you must input the password and access message window. The setting of security password is seen in 4.4.3）.

Note：use the MMS must have the network operator

The N5105 sustain the most content 100KB, if the MMS beyond this limit , the phone can not incept .

Note :use MMS, have to pay charge to network operatoror serve provider.

MMS service the sustain as :

Picture: **JPEG、GIF、WAMPWBMP**。

Sound : **MIDI、AMR、MP3 and AAC.**

If the message content the pictures or sounds is not sustain ,the object will not be show or play.

Note : the sound of AMR only can be play ,can not setup for ring tone (the most ring tone is 64k).

There are many causes can lead to the MMS sent faild ,so please don't use the MMS sent the important content .

8.2 Create

8.2.1 SMS

1. TO

Press drivekey and scroll to "receiver", press number key and input the desired number; or press **OK** and access number input window. You can input the desired number directly or select the receiver's number from phone book or group. Press **phonebook** and access receiver window, press **U** , **D** or the touch wheel to select the receiver, press **OK** and **enter** then finish the operation. to access receiver list window, press **menu** , select ***send*** to send message and select ***create*** to create receiver; select ***phone book*** to access receiver window; select ***Group*** sent message to group ;select ***delete*** to delete the desired receiver; select ***delete all*** to delete all receivers. When the selected numbers exceed 20, the phone will prompt" Too many select!"

To activate menu, the operation is as follows:

Select ***send*** to send present message.

Select ***phone book*** to access receiver window and add receiver.

Select ***Group*** to send the message to the group;

Select ***save*** in order to use it again and avoid repeated input. The content about "my favorite" is seen in 6.8.

Note:

The maximum number of receivers you send to is 20.

Only select receiver from "phone book", the function of "send to many" can be available.

2. Contents

Press drivekey and scroll to "new", activate **Option**:

Select ***send*** to send present message

Select***insert contact*** to insert receiver

Select ***insert text*** to insert frequent word about related subject provided by the phone in present message , so repeated input is avoided.

Select ***save as text*** to save edited message as frequent word;

Select ***save***to save the message in draftbox in order to use it again and avoid repeated input.

Press **OK** to access text edit window. To edit message and use text edit window, please refer to 10.2. During editing message, press **item** to activate menu.

3. Send message

Before sending message, you must input the number of message center. This step needs to be set only one time. The setting can be seen in 6.2.10.

When the message is transmitting, the phone will prompt "Send to…"; if sending is failed, the phone will prompt "send failed!"

If sending is successful, the phone will prompt " send successful! " the message will be added into outgoing messages.

8.2.2 MMS

1. to

Press drivekey and scroll to "to", press number key and input the desired number; or press **OK** and access number input window. You can input the desired number directly or email. press **menu** , select ***send*** to send message ;select ***phone book*** to access receiver window; select ***Group*** sent message to group ;select ***Prewiew MMS*** previeew the MMS;select ***information*** look over the receiver;subject,size ,time; select ***save*** to save the MMS in draftbox in order to use it again and avoid repeated input.

To activate menu, the operation is as follows:

Select ***send*** to send present message.

select ***Prewiew MMS*** previeew the MMS;

select ***information*** look over the receiver;subject,size ,time;

Select ***save*** in order to use it again and avoid repeated input.

Note :When the selected numbers exceed 10(include email), the phone will prompt" Too many select!"

2. subject

input the subject of the MMS.

3. Contents

Press **OK** to access text edit window. To edit MMS

select ***Prewiew MMS*** previeew the MMS;

Select ***Arrange*** setting the MMS' makeup,allow to select text first and picture first ;

Select ***send*** to send present message

Select ***insert*** to insert picture,sound ,Quick text;

Select ***delete*** to delete the picture ,sound and text;

Select ***text editor*** to editor the text of the MMS;

Select ***multi-slide*** insert new slide ;

4. Send message

Before sending message, you must input the number of message center. This step needs to be set only one time. The setting can be seen in 6.2.10.

When the message is transmitting, the phone will prompt "Send to…"; if sending is failed, the phone will prompt "Send failed!"

If sending is successful, the phone will prompt "Send successful! " the message will be added into outgoing messages.

8.3 Receive message

When receiving a message, the phone will give a prompt sound (it can be set, seen in 4.3.1) then the message will be added in inbox. The screen will display an icon of small envelope to prompt there is a message you have not read yet (seen in 1.3). The message will be saved automatically in the memory or SIM card (the setting is seen in 6.10). The maximum number of messages to be saved (including those to be sent) is dependent on the volume of the phone and SIM card.

8.4 Read message

All received messages (including messages and WAP PUSH information) are stored in inbox. There is an icon before each message to show the status of this message. Opened envelope indicates the message has been read; on the contrary, unopened envelope shows that has not been read. The location where the message is stored is also indicated by the icon. An icon with SIM card mark indicates the message is stored in SIM card; or else it is stored in the phone.

	Read sms storage in phone		Read sms storage in SIM
	Unread sms storage in phone		Unread sms storage in SIM
	Read WAPPUSH		Read MMS
	Unread WAPPUSH		Unread MMS

1) Read SMS

Select the message to read, and press **Option** to activate menu

Select ***Read*** to read the message or press **OK** directly

Select ***Reply*** to replySMS,MMSor make call to the addresser..

Select ***Forward*** to edit present message in text edit window and forward it to the desired number; related operation is seen in 6.2

Select ***Move to fold...*** to transfer the message to my favorite in order to use it again. Related operation is seen in 6.8.（unread message can not be moved ）

Select ***Delete*** to delete present message and return to inbox.

Select ***Multi-delete*** to access name selection window, press "up" and "down" key to select the desired record, press **OK** and **select** to delete many items.

Select ***Delete all*** to delete all messages in intbox.

Select ***Sort*** to arrange messages in sequence according to time or type.

In the process of reading, press **menu** or **OK** you can:

Select ***Reply*** to replySMS,MMSor make call to the addresser.

Select ***Forward*** to edit present message in text edit window and forward it to the desired number; related operation is seen in 6.2

Select ***Save number*** to access number saving window and save the sender's number. Related operation is seen in 10.3.

Select ***Get number*** to extract the number in the message and save it to phone book; related operation is seen in 10.3

Select ***Delete*** to delete present message and return to inbox (if inbox is empty, return to message window).

Select ***Copy to SIM card (phone)*** to copy information from the phone to SIM card or from SIM card the phone.

Select ***Save as quick text*** to save message as frequent word

Select ***Get link URL***to save the link in the message into bookmark.

2) Read PUSH

If received PUSH information from WAP, select the PUSH information and activate menu:

Select ***Read*** to read the information or press **OK** to read directly

Select ***Move to fold...*** to transfer the message to my favorite in order to use it again. Related operation is seen in 6.8（unread message can not be moved ）.

Select ***Delete*** to delete present message and return to inbox.

Select ***Multi-delete*** to access name selection window, press "up" and "down" key to select the desired record, press **OK** to delete many items.

Select ***Delete all*** to delete all messages in intbox.

Select ***Sort*** to arrange messages in sequence according to time or type.

In the window of PUSH information, press **Option** :

Select ***Browse***: link to WAP;

Select ***New bookm...*** : to save the link in the message into bookmark;

Select ***Delete*** to delete present message.

3) Read MMS

Select the message to read, and press **menu** to activate menu

Select ***Reply*** to replySMS,MMSor make call to the addresser.

Select ***Forward*** to edit present message in text edit window and forward it to the desired number; related operation is seen in 6.2

Select ***Move to fold...*** to transfer the message to my favorite in order to use it again. Related operation is seen in 6.8（unread message can not be moved ）.

Select ***Delete*** to delete present message and return to inbox .

Select ***Multi-delete*** to access name selection window, press "up" and "down" key to select the desired record, press **OK** to delete many items.

Select ***Delete all*** to delete all messages in inbox.

Select ***Sort*** to arrange messages in sequence according to time or type.

In the process of reading, press **menu** or **OK** you can:

Select ***Reply*** to replySMS,MMSor make call to the addresser.

Select ***Forward*** to edit present message in text edit window and forward it to the desired number; related operation is seen in 6.2

Select ***Move to fold...*** to transfer the message to my favorite in order to use it again. Related operation

is seen in 6.8.

Select ***Save number*** to access number saving window and save the sender's number. Related operation is seen in 10.3.

Select ***Get number*** to extract the number in the message and save it to phone book; related operation is seen in 10.3.

Press ok to look over the MMS ,press **Menu** you can :

Select ***Previous slide*** : look over the multipage MMS;

Select ***Next slide*** : look over the multipage MMS' next page ;

Select ***Play:*** play the MMS;

Select ***Save image :*** save the image in the MMS;

Select ***Save audio:*** save the audio in the MMS.

8.5 View Outbox

In outbox you can view the failed sending messages, activate **menu**:

Select ***Resend*** to send the message again; related operation can be seen in 6.2.3.

Select ***Read*** to read the desired message or press **OK** to read directly

Select ***Delete*** to delete present message and return to inbox.

Select ***Multi-delete*** to enter name checkboxes, press "up" and "down" key to select the record, then OK to confirm and delete.

Select ***Delete all*** to delete all messages in outbox.

Select ***Sort*** to arrange messages in sequence according to time or type.

press **OK** and **select** to delete many items.

Select ***Delete all*** to delete all messages in outbox.

In the process of reading, press **menu** or **OK** you can:

Select ***Resend*** to send the message again; related operation can be seen in 6.2.3

Select ***Edit*** to access message edit window and edit the message. Related operation can be seen in 6.2.

Select ***Delete*** to delete present message and return to inbox.

8.6 View Sent messages

You can view sent messages, activate **menu**:

Select ***Read*** to read the desired message or press **OK** to read directly

Select ***Move to my floder*** to transfer the message to my favorite in order to use it again. Related operation is seen in 6.8.

Select ***Forward*** to edit present message in text edit window and forward it to the desired number; related operation is seen in 6.2

Select ***Delete*** to delete present message and return to outgoing message window.

Select ***Multi-delete*** to enter name checkboxes, press "up" and "down" key to select the record, then OK to confirm and delete.

Select ***Delete all*** to delete all messages in sentbox.

Select ***Sort*** to arrange messages in sequence according to time or type.

press **OK** and **select** to delete many items.

Select ***Delete all*** to delete all messages in outbox.

In the process of reading, press **menu** or **OK** you can:

Select ***Forward*** to edit present message in text edit window and forward it to the desired number; related operation is seen in 6.2

Select ***Delete*** to delete present message and return to outgoing message window (if outbox is empty, return to message window).

8.7 Drafts

Messages which have not been edited or sent are stored in draftbox, activate **menu** you can:

Select ***Edit*** to access message edit window and edit the message.

Select ***Delete*** to delete present message and return to draftbox.

Select ***Multi-delete*** to access name selection window, press "up" and "down" key to select the record, press **OK** and **select** to delete many items.

Select ***Delete all*** to delete all messages in outbox.

Select ***Sort*** to arrange messages in sequence according to time or type.

You can press **Ok** to view message. In the process of reading, press **menu** or **OK** you can:

Select ***Edit*** to access message edit window and edit the message.

Select ***Delete*** to delete present message and return to draftbox (if draftbox is empty, return to message window).

8.8 My favorites

My favorite is used to store messages delivered from inbox and outbox, activate **menu** :

Select ***Reaa*** to read the desired message or press **OK** to read directly.

Select ***Delete*** to delete present message and return to draftbox.

Select ***Multi-delete*** to access name selection window, press "up" and "down" key to select the record, press **OK** and **select** to delete many items.

Select ***Delete all*** to delete all messages in outbox.

Select ***Sort*** to arrange messages in sequence according to time or type.

You can press **Ok** to view message. In the process of reading, press **menu** or **OK** you can:

Select ***Edit*** to access message edit window and edit the message.

Select ***Forward*** to edit present message in text edit window and forward it to the desired number; related operation is seen in 6.2

Select ***Delete*** to delete present message and return to draftbox.

Select ***Get link URL***to save the link in the message into bookmark.

8.9 Quick text

Quick text can provide template when sending message. Only modifying a little will you get a satisfying text, so the time to edit is saved. You need to insert frequent word in the message you are editing. Related operation can be seen in 5.3.1.

In the message window, press **menu** and select " frequent word" to access the window of frequent word list:

Select ***Create*** to edit new word and add it to the phone.

Select ***Edit*** to modify the desired message.

Select ***Delete*** to delete the desired message.

Press **OK** to access message edit window and proceed related operation.

Note: words defined in the phone can not be deleted and modified.

8.10 Settings

Set parameter related to message operation such as SMS center, Validity period, staus report, Priority.

8.10.1 SMS setting

SMS center

If supporting this service, the number of SMS center will be provided by your network operator.

Validity period

The maximum time that outgoing messages can store in message center, has 4 words: 12 hours, 24 hours, week and maximum

Sent report

The function is used to confirm whether the receiver has received the message. If closing it, the function is inactive.

Priority

You can select the save location of messages. The phone and SIM card both can store messages. The volume of SIM card is limited, but when phone fails SIM card can be installed in other phone. The volume of phone is large, but when it fails all information can not be delivered.

8.11 SMS Settings

Setting up the features of SMS service，such like Glamour SMS, Signature, SMS Centre, Delivery report, Storage position and Validity.

Glamour SMS

Enabling SMS functions, and then the SMS you are to read will be displayed like animation.

Signature

To enable signature，first you need to enter a signature as an identity，then, press **OK** or **Confirm** and you will be asked"Sure to enable signature?", press **Confirm** or **OK** to finish. Next time you send a short message, your signature will appear ahead the text.Press **Cancel** to disable this function. Please see information of text-editing for help.

SMS center

If it supports this service, the number of SMS center will be provided by your network operator.

Status report

The function is used to confirm whether the recipient has received the message. Disable the function to reject the report

Priority

You can select the save location of messages. The phone and SIM card both can store messages. The volume of SIM card is limited, but when phone fails SIM card can be installed in other phone. The volume of phone is large, but when it fails all information can not be delivered.

Validity

The maximum time that outgoing messages can store in message center, 4 words in there: 12 hours, 24 hours, one week and maximum

8.11.1 MMS setting

Set parameter related to message operation such as contect profile,Sent Receive ,Filter.

Profile : setting the connect profile;

Send: Set Validity period ,Read report, delivery report , priority:

Validity period : The maximum time that outgoing messages can store in message center, has 4 words: 12 hours, 24 hours, week and maximum;

Read report :set the read report on or off ;

Delivery report :set the delivery report on or off ;

Priority: Three levels: Low, Medium and High

Receive : set up the mode in which MMS is sent and received: **Auto** and **Manual**

Auto: Change receive mode to **Auto** or **Manual**.

Reply: Switch to "On" or "Off" to decide whether to reply when the bearer sends an MMS with a request for a reply.

Filter :to set a flter list ,storage the addresser ' number or email which not want to receive ,the most conten is 20 numbers , When the selected numbers exceed 20(include mail), the phone will prompt" List empty !"press **option** and select the following options:

view :Look over the list ;

Add: new :Create number or email;

Edit : to edit the number or email ;

Delete : delete the select content .

8.11.2 Reset

This function will reset your phone to its factory settings.

8.12 Quick text

Quick text is used to offer model text for SMS and MMS and, you just need slight alteration to get a satisfying text. It can save you much time in editing message. Please see Chap.8.2 for relative operation details.

In text-editing screen，press **Option**， select Quick text to list various quick text，press **Option** and you can：

New: to create a new quick text in **Quick text**；

***Edit*:** to modify the selected text；

***Delete*:** to delete the selected text。

8.13 Voice mail

Voice mail service is network dependent and you can subscribe this service from your service provider.
The Voice mail centre number must be set before using this service.
With the Message screen displayed, highlight Voice mail and press **select** or **OK** key to display the Voice mail screen.
Select ***Listen*** to call the Voice mail centre and retrieve your voice mails.
Select ***Edit*** to set your Voice mail centre number (contact your service provider for details of your Voice mail centre number).

8.14 Storage status

Display memory status for SMS,MMS,WAP PUSH,OTA , such as the remaining storage capacity and total used memory of SIM card and Phone memory.
Note : MMS,WAP PUSH,OTA can only storage in phone , the most piece of MMS is 80, WAP PUSH is 20,OTA

is 5.

9 Phone book

9.1 Phone book

This chapter describes various kinds of functions of phone book. In main menu, press the direction key to choose the phone book for setting the functions of the phone book (if setting a secret password, the password must be inputted for looking over the contents in the phone book. Please refer to section 4.4.3 for the detailed setting about the password).

9.1.1 Find

With the phonebook screen displayed, select ***Find*** and select the following search types:
Select ***Name*** and input a key word to search from all recorded names.
Select ***Number*** and input a phone number or a part of a phone number to search from all recorded phone number.
You can select a search type according to what information you required. For example, you can select ***Number*** and enter "1390" to search phone numbers containing
"1390". A result list will be displayed. If no matching record can be found, the screen will display "No match".

9.1.2 Create

After entering into the phone book, activate **Option** key and choose the ***Create*** option. You must confirm the save type firstly. There are two selections: save to SIM card and save to mobile phone. If "full memory " appears, which means the mobile phone's memory has no enough space to save the record, you must clean up the memory to vacate the space.

If you choose "save to mobile phone", in the new record window, you may choose to input grouping, name, mobile telephone, home telephone, office telephone , email, address and major part photo.

When inputting such text as name, email, enter into the input window for character. Please refer to the section 4.2 for operation of compiling character.

If you want to choose the grouping, please press **OK** key to enter into the grouping window for choosing. Press **U** and **D** key to choose the grouping and then press **Ok** key to confirm the chosen content.

When inputting the mobile phone number, office telephone and home telephone, enter into the input window for number. Press **Ok** key for confirmation.

。

Mini Stamp: Select Mini Stamp, press **OK** to enter Mini Stamp album, press **OK** to view, press navigation keys to see the previous/ next slide. Press **Set** to set the present picture as this contact.

When press **OK** key after finishing the input, the mobile phone will prompt " save successful".

If you choose "save to SIM card", you can save only one telephone number for one name.

9.1.3 Edit

Enter to view details of a contact to re-edit it.

9.1.4 Copy

Copy is a shortcut function for the need that user changes his mobile for another and wants to move the contacts and information. It is feasible to copy the phone records in the phone book in different way.

Types of number you can not copy: Company, Dept., Occupation, Fax, Address, Birthday, Email, Remark and Mini stamp.

Copy：Copy selected single contact. If it is a SIM contact, you need to choose the type you want on your phone: *Mobile*, *Home* and *Work*; if it is a phone contact, three important number under one name will be divided and respectively saved as SIM contacts under the same contact name.

Multi-copy: choose the contact that needs to be copied, then press **OK** key for confirmation. You may choose ***From SIM*** and ***From phone***. Select ***from phone*** : please choose the grouping you expect to copy. Three phone records in each record will be saved in three records with same name in SIM card, respectively. E-mail address and address list can't be copied.. ***From SIM*** each record in SIM card will occupy a record in the mobile phone book, including name, grouping and mobile phone. When copying, the record will be copied to the default group in the mobile phone.

Copy all： To copy the whole contacts, if you choose From Phone, it will copy all phone contacts to SIM and in reverse, if you choose From SIM, it will copy all SIM contacts to your phone.

If the memory gets insufficient while copying, it will warn “SIM is full!” or “Mobile memory is full!” and stop copying.

9.1.5 Move

The move is a kind of shortcut function provided to replace the mobile phone and copy the information. It can move the phone records in the phone book with multi-ways.

Move: move the contact ways of current contact to mobile phone or SIM card;

9.2 Multi-move

Choose the contact that you want to move, then press **OK** key for confirmation. You may choose ***From SIM*** and ***From phone***. Select ***from phone*** : please choose the grouping you expect to move. Three phone records in each record will be saved in three records with same name in SIM card, respectively. E-mail address and address list can't be moved. ***From SIM*** each record in SIM card will occupy a record in the mobile phone book, including name, grouping and mobile phone. When moving, the record will be move to the default group in the mobile phone.

To SIM , please choose the grouping you expect to move. Three phone records in each record will be saved in three records with same name in SIM card, respectively. E-mail address and address list can't be moved

To phone, each record in SIM card will move a record in the mobile phone book, including name, grouping and mobile phone. When move, the record will be copied to the default group in the mobile phone.

If space is not enough during the move, such prompts, as “SIM card full, stop moving “and” Mobile memory

full, stop moving will appear.

9.2.1 Delete

You can delete your phonebook records in handset and SIM card one by one or by package.
Select ***Delete current*** to delete the currently highlighted data.
Select ***Multi-delete*** to display name list screen, use **U** or **D** key to highlight the required data, press **OK** to select.

9.2.2 Delete all

Phone Delete all contact saved on the phone；
SIM Delete all contact saved on the SIM card；
All Delete the contacts both saved on phone and SIM。

9.3 Display type

All：Display all contacts；
Phone：Display only the phone contacts；
SIM：Display only the SIM contacts;

9.3.1 Setting

1. Grouping

Classify the phone records according to the different properties and put them into the different groups, which is convenient to look for them.

There are twelve groups in this mobile phone. When using the grouping list, after choosing the special group, you can conduct such operations as enter, send short message and multimedia message and edit through activating the **menu** key.

You may choose ***enter*** to enter into the list window of the selected group. If not set it, nothing is displayed. Through pressing the menu key, you can conduct such operations as add, call, send short message and multimedia message and delete.

Send short message: send the short message to all recipient in the selected group.

Send multimedia message: send the multimedia message to all recipient in the selected group.

If you choose edit option, you may carry out such operations as renaming, name list, incoming telephone ring and icon selection:

Rename option: rename the group's name with your favorable name (for renaming window and text compiling window, please refer to section 10.2).

Name list option: list all records belonging to the group. Press **menu** key and you may conduct such operations as newly create and delete. Press **OK** key and you may look over the detailed content about the selected contact.

Incoming telephone ring option: choose and confirm the ring type when the telephone in this group incomes (for ring type, please refer to section 4.1.4).

Icon selection option: choose and replace the icon that represents this group.

Note: SIM card group only has the name list function.

2. Black list

a) Enable operator

Select ***Enable operator*** go to the operator list screen , you must enactment the list mumber before you startup the enable operator, else system will prompt "List empty ,can't startup".press **option** you can do Enable operator,Set name list :set name list,service time ,rename .

b) Set name list

Press option you can:

Select create: create number, You can input the desired number directly or select the receiver's number from phone book (when there is number in input window, **pb** on the bottom left corner will change to **enter**). Press **pb** and access receiver window, press **U** or **D** to select the receiver, press **OK** and **enter** then finish the operation.

Select ***Create*** into input number window ,direct input number or select number from phonebook ,when you input number the key **PB** change into **ok** .After confirmed the accession ,then in to the ***name list*** window , press **Option** select ***complete*** , confirm the accession.

Select ***Delete*** deldte the number which you select ;

Select ***Complete*** confirm the name list which you add .

Denied list

The same as access list.

c) Service time

Set the blacklist's service time .Beyond the service time the blacklist can not work.

Setup time :setup start and end time;

Setup period :set blacklist's repeat mode .

d) Rename

Rename the blacklist' .

9.3.2 My number

Under the main menu mode, press 0 key for a long time or under the ready and waiting mode, choose "***Phone book***" and "***My number***" option in turn and then input, modify and look over the local phone number.

9.3.3 Memory status

Capacity inquiry function set in this mobile phone makes user understand the current use situation of the mobile phone clearly.

Capacity inquiry mainly provides the total amount of mobile phone and SIM card and record numbers that has been used.

9.3.4 Phone list

List all the phone records in the phone book according to the sequence of name's pronunciation and English letter. After choosing the record, you may press **Snd** key to dial the telephone, or press **OK** key to look over the detailed information. When you press **OK** key again, you can modify the information about contact. After you press **menu** key, you can conduct the operations as follows:

Send as SMS: send SMS to the select number ;

Send as MMS: send MMS to the select number ;

Delete current: delete the phone records that don't need to be saved;

Send name card : send information about contact with short message way.

Copy **:** copy the information about contact in the SIM card (mobile phone) to mobile phone (SIM card);

Move **:** move the information about contact in the SIM card (mobile phone) to mobile phone (SIM card);

9.3.5 Save telephone number

When you dial a new telephone (please refer to section 2.2.1), inquiry the call records (please refer to section 12.1) and look over the short messages, you can select ***Save number*** or ***Extract number*** in the pop-up menu to save it in the phone book.

Note: save telephone number menu doesn't appear in the main menu.

9.4 Creating secret group

At Conatcts window，long press *****，to enter security mode. Enter correct password（Factory default number is 1234）to enter secret group，if you haven't ever edit on it，this group is blank.

Activate **Option**,

Select ***Find*** (See Chap. 9.2 to learn how to find);

Select ***New*** **and set the store position to Phone, roll the roller to find Group,** press **OK,** or select group icon to enter to group. Press Up and Down to set grouping type as "Secret group"，press on **Select** or function left **SL** or press **OK** to confirm. You can also press "Secret group" to edit. Please see Chap.9.3 for operation details on Name, Mobile, Home, Work, Company, Dept.,Occupation, Fax, Company address, Birthday, Email, Remark and Mini Stamp, which is same as that in creating a non-secret group .

Select ***Edit*** to edit information of present contact;

Select ***Copy*** See Chapt.9.5 for details；；

Select ***Move*** See Chapt.9.6 for details；

Select ***Delete*** See Chapt.9.7 for details；

选择 ***Multi-delete*** See Chapt.9.8 for details；

Select ***Delete all*** See Chapt.9.9 for details；

Select ***Group*** See Chapt.9.10 for details;

Select ***My number*** See Chap.10.11 for details；

Select ***Memory status*** See Chap.10.12 for details

Select ***Show all*** Display all contacts on phone and SIM, including secret ones. After you confirm it, it will become ***Show secret record.*** **If you select it, only the secret content will be shown.**

Short press **Pwr** or fold the device to release from security mode. Both answering or rejecting an incoming call can make it exit from security mode.

Note: you need to enable security mode first, then you can see "Secret group" menu.

Only select Secret group can you have the secrecy take effect.

10 Customer service

10.1 service guide

The number of service after sale is : 8008207007（dial by fixed phone）

10.2 GoTone Club

Introduce newest information about China Mobile services such as client feedback plan, preferential activities and service introduction. Only charge GPRS communication fee without information fee.

10.3 Service hotline

Client clicks “client service hotline” and call preset service number. Client can modify preset number in settings.

10.4 Customer manager

After setting, call preset number directly.

10.5 Mobile secretary

Mobile secretary includes message sending, message divert and business service.

10.6 My monternet

Provide operations on Consulting, unsubscribing various Monternet services that you ordered.

Enter My Monternet, activate **Enter,** and select ***Mobile Monternet:*** Link to Monternet homepage and inquire, subsribe various services;

Select ***Monternet SMS***： Inquire or unsubscribe a certain SMS service you ordered, please just follow system instructions to operate.

Select***Monternet MMS***： Inquiry or unsubscribe a MMS operation you ordered.

10.7 Client service setting

Hotline: built-in number is 10086(after 2005) or 1860(before 2005). The setting can not be empty, that is, unless client does not modify parameter, the number must be set and saved.

Name of client manager: input name of client manager

Number of client manager: without built-in number, this setting can be empty.

Number of mobile secretary: built-in number is 12580. The setting can not be empty, that is, unless client does not modify parameter, the number must be set and saved.

Area number of long-distance call: without built-in number, this setting can be empty.

11 Call history

The call record covers recent missed/received/dialed calls and call time as well as such function as to delete records.

If the cell phone is unlocked under normal standby mode, press the key **Snd** to check recent dialed calls（If security password has been set, just enter this password to check the contents in call records, and the detailed setting method for password as shown in section 4.5.3）.

Press the key **menu** to enter main menu before direction key is pressed for the selection of call record menu，then press the key **select** to enter call record box，which is available with four items：missed/received/dialed calls and call time.

Subject to the above, you may consult recent received/missed calls（call duration not shown in detailed information）, time &duration for dialed calls, phone number and times for received calls.

11.1 Missed calls

After the selection of option ”missed calls” by pressing the key **u** or **D** under call record box, press **select** or **OK** to view missed calls. For operations on selected call record as shown below under this box, the menu needs to be activated by pressing the key **option** **:**

Select ***Call*** to dial phone numbers selected, and relevant information as shown in Section 2.2.

Select ***Send SMS*** to perform operations in connection with the function of short message；relevant information as shown in 6.2；

Select ***Send MMS*** to perform operations in connection with the function of Multimedia Messaging Service;；

Select ***Save*** to save numbers necessary to be kept to phone book；relevant Information as shown in 10.1.11 ；

Select ***delete*** o delete records unnecessary to be kept；

Select ***delete all*** to clear records unnecessary to be kept;

Select reco rd to be viewed by pressing the key **OK** to view detailed information for missed calls, including user’s name for missed call (if this phone number available in phone book), phone number, time &date, and group names. Following operations may be activated by pressing the key **option**：

Select option ***Call*** to dial phone numbers selected；relevant information as shown in section 2.2；

Select ***Send SMS*** to perform operations in connection with the function of short message；relevant information as shown in 6.2；

Select ***Send MMS*** to perform operations in connection with the function of Multimedia Messaging Service;

Select ***save*** to save numbers necessary to be kept to phone book；relevant Information as shown in10.1.11；

Select ***delete*** to delete records unnecessary to be kept.

11.2 Answered calls

Operations on missed calls.

11.3 Outgoing calls

Operations on missed calls.

11.4 Call duration

The option **call duration** can be activated by pressing the key **U** or **D** under call record box and pressing the key **select** for an access to **call duration box**. Under this box, following may be viewed: last call duration, total duration for dialed &received calls, total call duration.

To clear call duration to zero, just press the key **Clear** , and confirm with the key **OK** ; for the same purpose, press the key **Cancel** to exit from current operation， and a prompt will be given respectively by cell phone.

12 Accessaries

12.1 MP3 player

You can save your audio clips here and play. Enter downloaded music list, and press navigation up/down to select a tune. Press **OK** to listen to it, and press **Stop** to stop playing. Active the key of **Option**, and the functions in menu are shown as following.

Pause Play Go up Stop Next Cycle all No cycle Single cycle

Press side up/down to adjust volume. You can also use the touch-sensitive wheel to control it.

Activate **list** in to the MP3 list window, select the MP3 which you want play, press **select** to play.

You can also enter **Music online** and **Music store** to check out the pop music spicy and hot out there.

12.2 Camera

The use of application program “Camera” may allow you to take photos for the people or event around you at anytime. And the mode change could be made easily across different mode boxes. Photos, which may be saved in the application program “Album” , could be renamed under the same box.. And all photos by Camera are in JPG format.

In case that the remaining storage capacity in cell phone is insufficient to take new photos,
the deletion of old ones is required to release space. For this purpose, you may check the storage state via capacity inquiry.

Note： The preview and the shooting at the place where light is insufficient might decrease the image quality.

Enter the camera shooting box before the photo to be taken is displayed on the screen of cell phone, and press the key **menu** to activate the menu.

Select ***Mode***: Mode setting: the modes include single shooting, continuous shooting or video;

Select ***Frame:*** Set up the frame;

Select ***environment*** : to fix any condition from Standard and Darkness;

Select ***Effect :***to select the effect of the photos ,allow to select Normal ,Sepia,Monochrome ;

Select ***photo size*** :set the photo size (Unavailable in sub screen mode ,video mode and burst mode) including 60×60、128×96、176×144、176×220、320×240、640×480、1280×960；

Select ***image quality*** :set image quality ,include super fine ,fine ,normal ;

Select ***self mode***: It is allowable for the self-shooting duration to be 5/10/15/20 seconds or to be closed.

Select ***Photos***: The photos having been saved in cell phone may be reviewed. And they can be renamed, copied, transferred to SIM card, or deleted by part/full delete.

Select ***My videos*** in to the video list window .

Select ***setting*** Select ***brightness***： to set up the shoot brightness；

Select ***zoom***： to determine the zoom size;

Select ***Shutter sound***: to make three shutter sounds available for audition by pressing the key ***Play*** or for confirmation of the selection by pressing the key **OK**;

Select ***Number*** set burst number ;

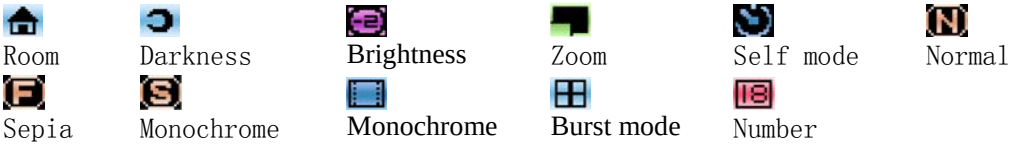
Select ***Interval*** to set the shooting time;

Selec ***Show icon***: to set up the open or close of the display icon.

Note: In ***photo size***, it only supports 128×160 and in Video Mode only 128×96; In ***Burst mode*** it only supports 128×160. It doesn't supports burst in ***photo size***.

For photos being taken, To zoom in and out, press key **U** and **D** .To control the brightness level of the picture, press key **L** and **R**.

In the shoot window， the show is:



Select the single shoot mode ,complete shoot ,press **option** :

Save :save the photo;

Send as MMS: send the photo as the MMS'content;

Main wallpaper : to set the photo as the main wallpaper ;

Second wallpaper : to set the photo as the second wallpaper.

Select the continue burst mode ,when complete shoot ,press **option** :

Save :save the photo;

Save all :save all the photos ;

Auto show :to show the photos as slide ;

View mode :select the photos ' view mode ,select ***single*** :only can view one photo;select ***Thumbnall*** :view the photos as thumbnall,press **single** ,view the photos as single .press **back**,the system will clew "I gnore ?"select **back** back to the view window ,select **OK** not save photos .

Set Capture mode to Video then you can capture video clips.

It is a feature that you can record the sound around while capturing a video.

Play :play the video ;

Save :save the video .

NOTE: 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.

12.3 Multimedia

12.3.1 Video player

The handle of Video player the same as MP3 player .

12.3.2 Voice recorder

This function can note by voice .in to voice recorder window ,activation **Menu** :

Select ***record*** :start record ,and the **menu** key change to **stop** , press **stop** or **OK** key to stop record .press **OK** key again ,play the record ,press **save** to save the record .Press **Cancel** to back to recorder.

Select ***Play list*** : in to the play list window ,select the record which you want to play ,press **select** or **ok** to play .

12.3.3 Alarm

This cell phone is available with five alarms, which are all the same in function and use. They may be set to on or off separately.

Under alarm function box, the working state for five alarm groups shall be displayed.

The alarm on or off is indicated by different icons: for instance, when alarm is on, the icon 'on' and the set alarm time following characters will be shown; when alarm is off, the icon 'off' is shown while the set alarm time will not.

1) Alarm on

Upon the selection of an alarm by user, press the key **select** or **OK** to enter this alarm state box to check its setting in details.

Refer to the figure shown above：the time setting for alarm1 is 00:00, whereby 00:00 indicates the alarm time; and the period is set to only once, meaning the alarm is on.

To make alarm on, the confirmation on the correctness of alarm time is needed. For example, if the required alarm time is 0:00, you may select the option ***time setting*** in the alarm display box to enter the ***time setting*** box, and then enter the required time value by digit keys.

The foresaid alarm works only for one time except that the alarm period is set and confirmed on its correctness. For other settings, select from four different modes the period needed after enter the option ***period settings***:

Only once： the alarm works only for one time subject to the setting and then will be off.

Daily：the alarm works at the same set time everyday subject to the setting.

From Monday through Friday：the alarm works at the same set time from Monday through Friday subject to the setting.

Saturday &Sunday：the alarm works at the same set time only on Saturday &Sunday subject to the setting.

Then select ***alarm tune*** to set up the alarm tune.

The next, select ***rename*** to give another name preferred to the alarm.

The last, select the option ***state*** menu to set the alarm on or off.

2) Alarming

When it is up to the set alarming time, the cell phone will play the alarm prompt sound (if the setting allows) and show on the screen the alarm prompt picture.

If your phone is switched off, the alarm will still work and ring on time. You can press any key to mute it. Press function right or Power key to pop up to notice user to power on or not;
Now, press **Confirm** (Function left) to power on the device, press **Cancel**,(Function right to remain off)

It is noted that the alarming will still work per previous time setting even the date and time of cell phone are readjusted. Therefore, the next alarming date and time shall be re-determined subject to the changed date and time in the cell phone.

12.3.4 Scheduler

1) Function description

Under the personal information management box, the following four functions are available: calendar, task arrangement, schedule list and capacity inquiry.

Within calendar，user may read &check information for current month, specify the date for check &reading, and perform management on event, including: add to &delete recorded event, change the prompt content as well as the date and time correspond to recorded event.

Under task arrangement, sixty events may be recorded.

The capacity inquiry provided in personal information management is for user's purpose to check the total/available space for recorded event &task arrangement.

2) Calendar

The monthly calendar for current date will be shown after entering the Calendar，then select the date preferred by shifting square icons with the key **U**, **D**, **L**, **R** , and the Gregorian calendar year &month are specified for the calendar on display at the right upper corner of screen. Besides, any date with event record under the Calendar will be shown in red（yet dates without events will be in black）.

Press the key **menu** to activate it，which covers：select date, add scheduler, scheduler list and storage state.

3) Select date

Using this function, select any day (within valid time limit) and complete other functions.

After the first access, the current date is shown; upon the selection of any other day, the calendar returned to by pressing the key **confirm** **or** **OK** displays that calendar the date selected belongs to.

And the calendar returned to by the key **return** shall be the one before entering "select date "（ note：subject to your date operation, it may not be the calendar for current day）.

4) Add scheduler

The adding of scheduler requires information relevant to this event, and then the date &time for reminding purpose must be set up.

Press the key **menu** under calendar /event list box to activate the menu, and add the event by selecting the option ***add scheduler.***

The setting of new event covers the following:

Date：refers to the date to be reminded for event, this function shall be activated by entering the date value with digit keys under select date box after this option is selected;

Time：refers to the time to be reminded for event, which may be set up under set time box after this option is selected;

Event：refers to the description of event itself, with contents to be entered under text edit box. See Section 10.2;

Period：the period of event to repeat;

State：to make the scheduler on or off.

5) Scheduler list

Simply press the key **OK** under calendar box to enter scheduler list box, which is used to check all schedulers. Activate the key **menu** for following operations:

Check scheduler： to check the content of scheduler selected;

Add scheduler：to add a new scheduler;

Delete scheduler：to delete the scheduler selected;

Delete all schedulers：to delete all schedulers.

6) Storage state

Under storage state, the total/unused number of scheduler is shown. And then return to calendar box by pressing the key **return**.

12.4 Tools

12.4.1 Notepad

The recorded event is applicable to any memorandum and simple statement. And the description of task arrangement is entered under text edit box. Its detailed operation method as shown in section 4.2；After the activation of the key **menu** under recorded event list box，following operations may proceed：

Edit：to edit the recorded event selected；

Send short message：to send out the content of recorded event by short message；

Delete：to delete the recorded event selected；

Delete all：to delete all recorded events.

12.4.2 Calculator

Using calculator, four calculations including addition, subtration, multiplication and division may be performed by user’s entering digits &calculation symbols, which are shown in edit box.

Take the calculation of 123456789x7.2 for example：

First step：enter digits”123456789 “，and press # or function right key to change between plus and minus；

Second step：press operation symbol “x”；

Third step：enter digit “7.2”，use function left key to enter decimal；

Four step：press operation symbol “=”；

The result from calculation is shown in the bottom line.

A new calculation shall be made by pressing the key **delete** to delete first the content in edit box and entering new digits &calculation symbol, or you may press the key **return** to exit calculator box.

The key **Pwr** is used whereby to cancel the entering of digits or symbols and to exit calculator box and return to the previous box are required. Or for the same purpose, the key **return** needs to be pressed to exit calculator box after the deletion of contents is made under edit box.

In case that the calculation of any digit divided by zero produces a result other than zero, or the result is above 999999999 or below -999999999，the prompt “E” shall occur to indicate an error.

12.4.3 Dictionary

Dictionary provided in this cell phone supports the inter-translation across English and Chinese，which means that the entered word may be translated from English/Chinese into Chinese/English. Dictionary is activated by the selection with the key **select**. Upon the completion of word or text enter, press the key **confirmation**，and word containing this character string is shown in this bilingual dictionary box. Press the direction key “up” or “down” or the touch wheel to search for the target word, then the key **select** for its detailed information, and the key **exit** to return to word enter box；The cell phone reminds that “your word not available” when any content can’t be found to match your word.

12.4.4 Currency exchange

Using this function, an amount of currency may be exchanged to other equivalent foreign currency.
This cell phone has one type of preset currency exchange, which is changeable, and may be reset with various currency exchange rates. For this purpose, select the item to be set with direction key “up” and “down” as well as scroll bar, then press the key **select** or **OK** to enter respective setting box. After the setting for exchange rates, the amount of currency to be exchanged to will be displayed.

12.4.5 World clock

With an easy operation method, the worldwide clock provide great convenience for travelers all over the world.

Under the box of worldwide clock, **U** &**L** may be used to move westward the time zone indicating line located in the upper position, and **D** &**R** may be used to move the line eastward. During the course of movement, items located in the lower position, including time zone, name of city, time and date, will change by your random selection respectively. And the name of famed city within this time zone is shown when shifting this indicating line, in such mode, activate the key **setting** or **OK** to set the time of city selected to its local time.

So far, this cell phone could provide following cities correspond to respective time zones:

City	Time zone	City	Time zone	City	Time zone
Beijing	East zone 8	Los angels	West zone 8	Moscow	East zone 3
Hongkong	East zone 8	Mexico	West zone 6	Baghdad	East zone 3
Taibei	East zone 8	Chicago	West zone 6	Kuwait	East zone 3
Singapore	East zone 8	Ottawa	West zone 6	Teheran	East zone 3
Pyongyang	East zone 9	Miami	West zone 5	New delhi	East zone 5
Seoul	East zone 9	Washington	West zone 5	Calcutta	East zone 5

Tokyo	East zone 9	New York	West zone 5	Rangoon	East zone 6
Osaka	East zone 9	London	Zone 0	Hanoi	East zone 7
Manila	East zone 9	Madrid	East zone 1	Bangkok	East zone 7
Sydney	East zone 10	Rome	East zone 1	Jakarta	East zone 7
Hawii	West zone 10	Paris	East zone 1		
Alaska	West zone 9	Frankfurt	East zone 1		
Seattle	West zone 8	Berlin	East zone 1		

12.4.6 Countdown

This function is mainly applicable to the prompt operation at given time. Such as：dial up after ten minutes, etc. It provides no content for prompt, and easy for operation.

The countdown may be used in two methods：

Method1: select the menu option ***tool—countdown*** under accessory box after entering main menu, the cell phone displays the countdown state, whereby the countdown time may be entered, such as：one hour plus twenty minutes denoting eighty minutes；forty five denoting the prompt after forty five minutes. After fixing the time, press the key 'start' for the startup of countdown，you may also press the key **return** to return to previous menu，with time duration not included.

Method 2：This function may be activated by simply pressing the minute values under normal standby mode, and the key **option** for the selection of menu option ***countdown start***.

For example：if you need to be reminded after forty five minutes, just press the digit key "45" under normal standby mode, then the left function key to pop up the function menu. After the selection of ***countdown start*** option，the cell phone will prompt：“countdown starts up！”

The cell phone will prompt in 45 minutes that the set time is available.

Note：the way for prompt is the same as that for alarm, relevant information as shown in section 12.2.1.2.

Note：

- Enter values for minutes;
- Values for minutes shall not exceed 99（countdown values entered for minutes under standby mode）.
- The prompt box may produce under standby mode for the availability of countdown time. The prompt for other working states shall be made by a prompt tune.

12.4.7 Stopwatch

The stopwatch box is shown on the screen of cell phone by selecting the option stopwatch menu.

The time starts from zero by pressing the key **start**，may be stopped by pressing the key **pause**，and may continue by pressing the key **continue** ; or may return to zero by pressing the key **zero** (in such case, time may be re-started), or may exit from stopwatch box by pressing the key **return** .

After the start up of timing, press the key **Pwr** to return to normal standby mode and enter other working states, and the timing operation on stopwatch may continue after entering this box again.

12.4.8 Unit converter

Use this function you can exchange the unit .in to Unit converter window ,select the content you want to set ,press **Select** or **ok** in to edit window ,select the conversion number and unit , input the conbersion number ,system will convert the result .

12.5 Connection tools

12.5.1 PC sync

This cell phone is capable to transmit phone book, preferred rings &pictures to user using the connection between data lines（special accessory）and PC computer. When data lines are used, this cell phone supports Windows95, Windows98, Windows NT and Windows2000. If data lines are not included in the purchase of cell phone, place an order from your local retailer. To activate the function as to transmit documents, the installation of synchronized software is required in PC computer.

12.5.2 Internet services by GPRS

It stands for General Packet Radio Service (GPRS). Using GPRS technique，user is able to send or receive data through cell phone network. In this sense, GPRS is a way for data transmission, which supports user's wireless connection with internet data network. And the GPRS application covers such services as WAP, multi-media information, short message, the downloading of JAVA application program, and GPRS dial-up program（eg. Internet &e-mail）.

Events to be noted before the use of GPRS technique:

1. Consult the local network operator or service supplier for the availability or the application procedure (if GPRS not available) for GPRS service；
2. Save GPRS settings necessary for each application concerning GPRS data transmission；

Price for GPRS and other applications

Both the use of GPRS connection and various applications concerning GPRS data transmission need to be paid respectively. The payment for normal data dial-up is calculated by the time duration of internet connection, while that for GPRS mode is calculated by the data amount downloaded from internet. Please consult local network operator or service supplier for detailed information relevant to price.

12.6 Personal information management

Personal information management is synchronization, by which you can save the data of your phonebook on remote internet server (Network service) or on PC that is compatible. If you already save the data on network server, now you can start synchronization using your phone. You can also use a compatible PC to synchronize applications, phonebook, Schedulor, and Notepak data on your phone. Contacts saved on SIM card can not be synchronized.

Note: If you answer a call during synchronization, it will be stopped and you have to restart to resume.

Before you start to synchronize, you may need to get prepared for things as follows：

1. Apply synchronization service. Please consult with your network operator or provider to make it clear that whether they provide such a service.
2. Retrieve synchronization settings from your network operator or provider;
3. Configure basic connectivity options for synchronization.

You can directly receive settings via “air delivering” , and then save them on your phone.

More information on how to use settings like this, please consult with network operator, service provider or authorized NEC dealer nearby.

At connectivity settings window in personal information management, select a setting and press **OK** to start it. Activate **Option** and you can renam or change connection settings, server settings, user name for the server, password,database and synchronization mode. Select them one by one and enter all settings that are necessary. Please consult with network operator or service provider for information.

Note: your phone may have preset the connection settings or homepage of some network operators. NEC give no guarantee or agreement on these settings. If you select these settings and visit these sites, you should take measures to ensure a protection for security and content like you should to other websites.

It presets a synchronization config. for China Mobile. It is system settings and can not be edited. You only have access to ***View settings***

12.7 Games

12.7.1 Box man

The game principal is that the box man may be controlled with direction key “up”, “down”, “left” and “right” to move all boxes only forward to target location, and upon the completion of one stage, the next one shall commence. Besides, press the left Soft key to replay this game from current state, or the right Soft key and the End key to auto-save and exit this game.

12.7.2 Snake

The game principal is that one snake may be driven in any direction other than forward with the key “up”, “down”, ”left” and “right” to eat food and avoid the touch with its body and wall. Besides, press the left soft key once to pause this game and again to restore it, or the right soft key under game state to manual save and exit this game, or the End key to auto-save and exit this game.

12.7.3 Tetris

The screen under the game is composed of two zones: game play zone and prompt zone. Diamonds are typical Russian diamonds in nine schemes. The game principal is that if each line is full filled with diamonds, it shall disappear and a bonus shall be given (more bonus shall be given if more lines disappear at one time), and that this game is ended if diamonds are up to the top resulting in the insufficient space for new diamonds to fall. Beside, the prompt zone shows user’s current credit and the shape of next diamond, and the degree of difficulty is adjustable.

13 Common symptoms

Cell phone notunable to be switched on

- The cell phone is unable to can't set up the dial- upout and topower off for due to lower battery. Please and charge the battery

Unable to dial some calls

- The call barring barrier has having been set in the cell phone constraints the use of cell phone, please check and cancel it.
- **Someone is receiving my call**
  The cell phone has been set to transfer your call to another number, please check and cancel it.

Display information

During the operation, the cell phone may display the error information prompt due to offollowing error operations as following:

"Insert SIM card"

- It SIM card must be inserted SIM card intothe cell phone before its useing it, or taken out (If it isalready inserted), please take it out to for cleanup on its golden area with the gold zone withdry cloth and then inserted itagain.

"No Network not available"

- Your cell phone is out of the coverage by network (or physical barriers might exist between you and transmitter), and unable to dial up or receive calls. Please be near to the window when you're indoors.

" Emergency call only"

- If your cell phone is not covered bythe service supplier's network is out of the range, another network at your locuswithin your area may allows you to dial emergency call subject to the signal intensity.

" Invalid SIM card valid"

- The SIM card of cell phone has been locked up and, which is unable to be received by the cell phoneisn't received.. Please insert correct SIM card and or contact with the seller.

"Entering PUK code"

- SIM card has been locked up for enteringdue to a continuous input of the wrong PIN code for three times. Under such case, a new special Eight special eight-digit PUK code must be applied from the network supplier to unlock the SIM card from the network supplier(PUK code may be supplied with PIN code at one time).

Warning: After entering continuously the wrong PUK code for ten times, SIM card will be locked up for all timespermanently by entering wrong PUK code for ten times. Under such case, Aa new SIM card will should be applied from the network supplier.

14 Accessory

Charger

- It will charge the Li battery quickly and completely. The charge duration varies subject to the capacity of battery.

Li battery (one piece)

- The Li battery xxxmAh can provide standby duration lasting for XXX-XXX hours or call duration lasting for XX-XXX hours.

***Specific standby &call duration shall be determined subject to the actual condition for the use.**

Note：Only approvedThe battery, charger and other accessories by cell phone manufacturer may be used. can only be used by cell phone manufacturer certificated. And the use of Usingother types of accessories will infringe the quality certification and maintenance items license for this of thecell phone and leads to dangers.

15 Maintenance guideline

Welcome to use cell phone produced by NEC company. Whereby a failure occurs in the use of your cell phone, you're requested to contact with your seller or consult NEC maintenance center; whereby maintenance is needed，your cell phone may be sent/brought to local maintenance point（the specific maintenance points as shown in 'Three Warranty License' provided with cell phone）; whereby a maintenance point is not available in your place，you're requested to bring your cell phone and the copy of respective invoice to seller for EMS mailing.

You shall be cautious to the use of cell phone as it's made using excellent design and technique. To prolong the life of cell phone, you're required to perform obligations as specified in Maintenance Warranty License as per following recommendations:

- Keep cell phone and its accessories out of the reach of children;
- Keep cell phone always dry as rain water, moisture, various liquid, and water contain mineral materials, which may results in the corrosion of electronic circuit.
- Do not use, store or keep cell phone in places containing dusts, or its removable parts might be damaged;
- Do not store or keep cell phone in hot places, as the high temperature might shorten the life of electronic parts, damage the battery, and deform or even melt some plastic parts;
- Do not store or keep cell phone in cold places, or a humidity may form inside cell phone when the temperature on cell phone rises（up to normal temperature）, which causes the damage on electronic circuit board;
- Do not attempt to disassembly cell phone as the operation by unauthorized personnel will damage it;
- Do not throw, beat or make a vibration to cell phone, or internal electronic circuit board might be damaged;
- Do not clean and wash cell phone with strong chemical produce, abluent, or strong detergent;
- Do not apply coating to cell phone, or its normal operation may be affected due to a blockage in removable parts, which results from coating.
- To change antenna，only authorized or matchable antenna shall be used, and any use of unauthorized antenna or modified accessory may damage cell phone and infringe relevant stipulations for wireless apparatus.

All foresaid recommendations are applicable to your cell phone, battery, charger and each spare part. If they can not work normally, please bring/send them to the qualified maintenance organization nearest to you.