

NEC

User Manual for  
N3105  
**Mobile Phone**

Aug. , 2005

## Summary

Welcome to select N3105 mobile phone. This instruction manual explains the excellent performance of N3105 mobile phone for details. Besides basic talking function, N3105 mobile phone and system network also provides you with multiple practical functions and services to facilitate your work and leisure activity.

N3105 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 N3105 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.

N3105 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 N3105 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 describes 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	<span>0</span> <span>9</span>
Function key	Function keys are represented with overstriking and frame	<b>OK</b>
Menu item	Represented by italics with black body	<i>keep alive</i>

**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.

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## Security and performance

### ◆ Emergent service

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

In any digital network , 112 emergent telephone service is set. In England you can also use 999 backup emergent calling 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 emergent 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.

#### **SAR information**

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types NEC N3105 (FCC ID: S5D-KMP6J1CD1) 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 0.491 W/kg and when properly worn on the body is 0.180 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.

#### **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.

#### **Copyright permission**

- T9™ text input and T9 mark is the registered mark for Tegic Communication.

“The authorization for T9 text input is as follows:

U.S.patent number :5,818,437,5,953,541,5,187,480,5,945,928,6,011,554 and 6,307,548; Australian patent number: 727539; Canada patent number: 1,331,057; England patent number:2238414B; Hongkong patent number: HK0940329; Singapore patent: 51383; Europe patent: 0 842 463 (96927260.8) DE/DK,FI,FR,IT,NL,PT,ES,SE,GB; Korea patent: KR201211B1 and KR226206B1; The patent for other nations are in the application process.”

- 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

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 disassembling, 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.

### 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 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 +55℃ 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.

### 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.**

### 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.
- 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;
- Push SIM card , lock SIM card and install the battery;
- If you need take out SIM card, please first turn off mobile phone and take out the battery, then remove SIM card.

### 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.

### 1.3 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
	Indicate calls which are not answered
	In calling
	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 outdoor mode
	Current scene mode is self-defined mode
	Set Call diversion
	Set CSD connection
	Set PIM protect
	Set countdown working in background
	Set call filter on
	Indicate alarm clock to ring
	Indicate event reminding time to come
	Indicate calls which are not answered
	Indicate non-read message
	Indicate residual capacity of battery
2005/01/02[日]	Indicate current date is Sunday, Jan 2, 2005.
22: 22	Indicate current time, it can be set as 24 hour or 12 hour format
China mobile	Indicate network operator
MENU	Indicate current left function key is menu



WAP	Indicate current right function key is WAP
-----	--

## 1.4 Key

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, in idle press(Long or short) to activate WAP
Up key(U)	Move up in menu screen, in idle short press enter into phone mode screen, long press to launch or close meeting mode
Down key(D)	Move downward in menu screen , in idle press (Long or Short) enter into my favorites screen
Left key(L)	Move to left, in idle screen , press (Long or Short) enter into message screen
Right key(R)	Move to right, in idle screen , press (Long or Short) enter into phone book
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 to decrease the ringer volume
Send key (Snd)	Dial, answer call, when in a idle state, press <b>snd</b> 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	Confirm and enter my menu window
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	In Main menu screen, press enter into Music player screen.
3	In Main menu screen, press enter into WAP screen.
4	In Main menu screen, press enter into My favorites screen.
5	In Main menu screen, press enter into Message screen.
6	In Main menu screen, press enter into Phonebook screen.
7	In Main menu screen, press enter into Games screen.
8	In Main menu screen, press enter into Call history screen.
9	In Main menu screen, press enter into Accessory screen

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 Phone 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, “press” means pressing a key briefly, while “hold down” means pressing a key for more than 1 second.

1.5 Number and character input

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

1.5.1 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 N3105 mobile telephone, which makes you look up the relevant characters with less times of key-stroke. You may press up / down /left / right direction key to choose the characters or words needed.

1.5.2 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.


1.5.3 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 **Slect** 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:

#### 1.5.4 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  key or  key to choose the spelling you need, press  key or  key to look over the spelling options across pages and press  key or  key to confirm your selection. At this time, the black cursor will appear on the candidate Chinese character. You may also press  key or  key to look over the candidate Chinese character across pages and press  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  and  (you may see the corresponding spelling letter on the keyboard), then press  key to choose the spelling “ke”. After you press  key or  key for confirmation, the cursor will appear in the Chinese character selected row. Press  key to choose the Chinese character “科”. After press  key to confirm your selection, the Chinese character “科” will appear in the text input area..

#### 1.5.5 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 **Q** key 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 “丿”, you may press **Q** key 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.

### 1.5.6 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.

### 1.5.7 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.

### 1.5.8 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.

### 1.5.9 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.





### 1.5.10 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 — keys. You only need to press the corresponding number key in order to input the number.

### 1.5.11 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  key or  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 call** insert IP number to dial (must to set);

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

Select **Start 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 8.1.1.1 chapter for operation on short message function);

Select **Send MMS** to enter MMS editing window and finish corresponding operation (refer to 8.1.1.2 chapter for operation on short message function);

After communication terminates, please press **[Pwr]** key to hang up the phone. The phone will display the duration for this communication.

##### 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 inputting 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 or 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;

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

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

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

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** key to display main phone number.

When dialing ,press "Speaker" (right function key) ,set the speaker function on ,meanwhile the "Speaker " change to "Normal ",

### 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** key .

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

Select **switch** to switch communication.

Select **Hung up** drop current select dialing ;

Select **ring off** to ring off current communication, or press **Pwr** key to ring off 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 **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.

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

When dialing ,press "Speaker" (right function key) ,set the speaker function on ,meanwhile the "Speaker " change to "Normal ",

### 2.4.6 Meeting communication

In the meeting communication, 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 **active**, 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 **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 **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 **Conference 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 meeting 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 **phone book** to enter phone list function, which facilitates you to query the phone number during the number dialing.

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

When dialing ,press “Speaker” (right function key) ,set the speaker function on ,meanwhile the “Speaker ” change to “Normal ”,

## **2.5 Emergent 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 emergent service. If you are within the network covering range, and even you have not SIM card, you can make an emergent call.

**”112” is a standard GSM emergent 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: settings, Music player ,WAP,My favorites , Messages, Phonebook ,Games , Call history , Accessory 。

#### 3.2 Select main menu

At the menu screen , press navigation key to select menu , then press **Select** key or **OK** key to select and confirm menu.

#### 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	WAP
Up key	Short:Phone mode;Long: Toggle Meeting mode
Downward key	My favorites
Left key	Message
Right key	Phone book
Side up key	Short:ring volume up ;Long: Camera
Side down key	ring volume down
<b>OK</b> key	My menu
Send key	Dialed calls
Power key	Return to idle screen or close / Power off&Power down mobile phone
Press <b>*</b> long	Start or close keypad lock
Press number key from <b>1</b> to <b>9</b> long	Speed dialing, enter menu in menu mode
Number + <b>#</b>	Dial specified position number in SIM card

#### 3.4 Menu function table

Settings	phone
	Phone modes
	Display
	Ring tone
	Calls
	Security
	Network
	My menu
	Reset
Music player	

---

WAP	Homepage Bookmark Go to URL Link last page History Offline browser Setting GPRS Info
My favorites	NEC dream Video Sond Picture Music Java box Memory card Storage status
Message	Creat Inbox Outbox Sent Drafts My folder Voice mail
Phone book	
Games	Boxman Snake Tetris
Call history	Missed calls Received calls Dialed calls
Accessory	Camera Alarm Schedule Mobile QQ Tools Connection STK

## 4 Setting

### 4.1 Phone

The setup on mobile phone, which includes such as Voice volume ,Any key reply ,Auto key lock ,Date and time , language.

#### 4.1.1 Voice volume

Tune the volume of voice, 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 "Set successfully .".

#### 4.1.2 Any key reply

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

#### 4.1.3 Auto key lock

Make the auto key lock on to avoid press key by accident with mistaking operations..

#### 4.1.4 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.

**Show clock** : select **Local &remote** ,in idle screen will show local time and remote tome ;select **Local** : in idle screen only show local time ;

**Set time** : To set local time and remote time ;

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

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

**Date format** : Set up the format to show the date;

**Set time zone**: Enter into world clock screen to set current tiem zone .

#### 4.1.5 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 **OK** to confirm the content needing to change, and press **Back** to delete the selected content.

### 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, Metting, Car ,Outdoor and Personal. 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 **Edit** 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:

**Ringer** : allow to select the ring saved in Sound ,Music and Memory card as incoming call ring ;

**Ringer volume** Tune the volume of ring, 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 "Set successfully "

**Ringer type** to set the ringer type ,allow to select Continuous or Ascending ;

**SMS tone**: allow to select the ring saved in Sound ,Music and Memory card as the SMS tone ;

**MMS tone**: allow to select the ring saved in Sound ,Music and Memory card as the MMS tone ;

**Msg volume** :to set the message's volume ,please refer to Ringer volume ;

**key tone** Select the key pressing prompt tone on or off ;

**Alarm volume** : to set the alarm volume ,please to Ringer volume ;

**Power on/off** : to set the power on /off tone on or off ;

**Vibrator** :to set the vibrator on or off ;

**Auto answer** : to set the auto answer on or off .

## 4.3 Display

**Wallpaper** Select the favorite picture as background from the mobile phone. Select the favorite picture from all usable ones. Press **View** to see the picture, press the key of **OK** to set up the selected picture as wallpaper in desktop. Press **Back** to back the last menu. In picture preview screen ,active **Option** ,**set wallpaper** :set the preview paper as current wallpaler ;**Set as CLI** :set the preview paper as CLI ;**Auto view** :auto preview the wallpaper .

**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.

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

**Contrast** : to set display contrast ,use the key of **U** or **D** to tune the contrast ,and press **OK** key to save the set .

**Backlight time** :to set the backlight time ,allow select from 5s,10s,15s,30s,60s ;

## 4.4 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.

### 4.4.1 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.

#### 4.4.2 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.

#### 4.4.3 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.

#### 4.4.4 Send 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.

#### 4.4.5 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 linkmen 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.

#### 4.4.6 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.

#### 4.4.7 Call filter

##### Status

To set the call filter on or off ,enter into status set screen ,select filter style ,press **OK** key or **select** key to save the set .you must set the filter list before set the call filter on .

##### Black list

To set the filter list ,active Option ,select Add : **Add** creat black list ; Delete :delete current select number ; Complete : save the set as current black list .

##### White list

Please refer to **Black list**'s setting.

#### 4.4.8 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.

### 4.5 Security

The setup of safety includes the following contents such as PIN ,Phone Lock, Change code ,Bare calls .

#### 4.5.1 PIN

**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.

#### 4.5.2 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  on or off the phone lock at idle .

#### 4.5.3 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.

#### 4.5.4 Change code

modify the phone lock password and PIN code .

#### 4.5.5 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 calls:

- **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).

**Change code :** modify the bar calls password .

### 4.6 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”.

#### 4.6.1 Automatic

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 network will be connected.

#### 4.6.2 Manual

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.

#### 4.6.3 Preferred

Preferred net is a net list, enter into preferred screen, activate **Option** key, the following menu items will appear in the menu.: *insert before*, *insert after* and *Delete*.

### 4.7 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 Menu. **Delete**: delete all selected menus; **Delete All**: delete all menus.

### 4.8 Profile

You can set connection mode and image 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, and connect type;

**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;
- ◆ 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 the DNS address (is just the same with GPRS Mode).

## **4.9 Calibration**

When you fell the use the touch pen to touch the screen do not nicety ,please calibration the screen to insure the screen make the right reaction .Do as the system clew .

## **4.10 Reset**

### **4.10.1 Reset settings**

The option may resume all original factory values. After selecting the option, you must input the right PIM password , and the mobile phone will prompt you “Master reset ?”. 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 Music player

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



Pause



Play



Stop



Go up



Next



Cycle all



No cycle



Single cycle

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

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

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

## 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.

#### 6.1.3 Go to URL

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

#### 6.1.4 Go to the Last page

Scroll to "last webpage" and press **Select** or **OK** to view the webpage last viewed.

#### 6.1.5 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.

#### 6.1.6 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.

### 6.1.7 WAP settings

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

### 6.1.8 GPRS information

View GPRS information Scroll 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 **Option** you can do:

**Add to bookmark:** add the browsing URL to bookmark;

**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 **Add to bookmark** 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 clear cache, image download, background music.

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



## 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 4.5.3).

### 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
- WAP
- QQ
- Calendar

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 NEC dream

The function is used to download more ring tone and picture from internet.

### 7.4 Video

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 and right key control the command key, press **OK** to select.

Activate the menu of **Option**:

Select **Play**: play the selected short film

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

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 linkmen, press **Select** to confirm the selection, and then realize deleting many options.

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

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

### 7.5 Sound

#### 7.5.1 Download

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

Select **Play**: play the selected ring ;

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

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

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

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 linkmen, press **Select** to confirm the selection, and then realize deleting many options.

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

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

### 7.5.2 Preset

That stored in preset ring is the one from the system. Enter the window of preset ring, 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 **Play**: play the selected music ;

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

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

### 7.5.3 More

The function is used to download more ring from internet.

## 7.6 Picture

### 7.6.1 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 **View**: view the selected photos

Select **Set wall paper**: set the photograph as the background of desktop

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

Select **Full screen** to browse the photograph with whole screen;

Select **Auto view** :to browse the photpgraph auto view .

Select **Rename**: rename the selected photos

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 linkmen, press **Select** to confirm the selection, and then realize deleting many options.

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

Select **View detail**: 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 **Option**, and Select **Set wall paper** : set the photograph as the background of desktop; Select **Send MMS**:

Sent photos as MMS' content; select **Full screen view** to browse the photograph with whole screen; select **Auto view** :to browse the photpgraph auto view; Select **Delete**: delete the selected photos.

### 7.6.2 Download

The saved pictures is that you have download . activate the key of **Option**.  
 Select **View**: view the selected photos  
 Select **Set wall paper** : set the photograph as the background of desktop  
 Select **Send MMS**: Sent photos as MMS' content;  
 Select **Full screen** to browse the photograph with whole screen;  
 Select **Auto view** :to browse the photpgraph auto view .  
 Select **Rename**: rename the selected photos  
 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 linkmen, press **Select** to confirm the selection, and then realize deleting many options.  
 Select **Deleat all**:Deleat all the photos;  
 Select **View detail**: 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 **Option**, and Select **Set wall paper** : set the photograph as the background of desktop; Select **Send MMS**: Sent photos as MMS' content; select **Full screen view** to browse the photograph with whole screen; select **Auto view** :to browse the photpgraph auto view; Select **Delete**: delete the selected photos.

### 7.6.3 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 **Option**:

Select **View**: view the selected photos  
 Select **Set wall paper** : set the photograph as the background of desktop  
 Select **Full screen** to browse the photograph with whole screen;  
 Select **Auto view** :to browse the photpgraph auto view .  
 Select **View detail**: 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 **Option**, and Select **Set wall paper** : set the photograph as the background of desktop; select **Full screen view** to browse the photograph with whole screen; select **Auto view** :to browse the photpgraph auto view.

### 7.6.4 More

The function is used to download more picture from internet.

## 7.7 Music

### 7.7.1 Download

That saved in download is thedownload ring . Enter the window of download , Press **OK** to listen the

ring, and press **OK** again to stop playing. Active the key of **Option**, and the functions in menu are shown as following.

Select **Play**: play the selected music ;

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

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

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 linkmen, press **Select** to confirm the selection, and then realize deleting many options.

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

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

### 7.7.2 More

The function is used to download more music from internet.

## 7.8 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 Memory card

View the video, picture and music on the memory card.

### 7.9.1 Video

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.

Activate the menu of **Option**:

Select **Play**: play the selected short film

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

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 linkmen, press **Select** to confirm the selection, and then realize deleting many options.

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

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

### 7.9.2 Picture

The saved photograph is that you have shot and downloaded. 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 **View**: view the selected photos

Select **Set wall paper**: set the photograph as the background of desktop

Select **Full screen** to browse the photograph with whole screen;

Select **Auto view** :to browse the photpgraph auto view .

Select **Rename**: rename the selected photos

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 linkmen, press **Select** to confirm the selection, and then realize deleting many options.

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

Select **View detail**: 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 **Option**, and Select **Set wall paper** : set the photograph as the background of desktop; select **Full screen view** to browse the photograph with whole screen; select **Auto view** :to browse the photpgraph auto view; Select **Delete**: delete the selected photos.

### 7.9.3 Music

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

Select **Play**: play the selected music ;

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

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

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 linkmen, press **Select** to confirm the selection, and then realize deleting many options.

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

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

### 7.9.4 Fromat

To format the memory card via phone, selelct **Accessory —Connection —U-Disk mode —Format**。

Note: After format, the file saved on the memory card will loss.

## 7.10 Storage status

It queries the situation of used space by Video, Sound, Picture, Music and Java. It also shows the used space and the total space.

## 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 4.5.3).

Message functions include: create, inbox, outbox, sent, drafts, my folder, voice mail, setting, storage status.

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 4.5.3) .

Note: use the MMS must have the network operator

The N6305 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 operator or serve provider.

MMS service the sustain as :

Picture: **JPEG、GIF、WBMP、PNG**。

Sound : **MIDI、AMR、MP3**。

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 .

#### 8.1.1 Create

##### 8.1.1.1 SMS

###### A) 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** or **D** 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 **add new** to add new 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 **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.

### B) Content

Press drivekey and scroll to “Content”, activate **option**:

Select **send** to send present message

Select **input method** to select input method

Select **insert contact** to insert receiver

Select **insert quick 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;

### C) 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 8.1.9.1.

When the message is transmitting, the phone will prompt “ sending to...”; if sending is failed, the phone will prompt “sending is failed!”

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

## 8.1.1.2 MMS

### A) 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 **option** , select **send** to send message ;select **phone book** to access receiver window; select **Group** sent message to group ;select **Preview MMS** preview 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 option, the operation is as follows:

Select **send** to send present message.

select **Preview MMS** preview 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!”

### B) Subject

input the subject of the MMS.

### C) Content

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

select **Preview MMS** preview 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 ;

#### D) 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 8.1.9.2.

When the message is transmitting, the phone will prompt “ sending to...”; if sending is failed, the phone will prompt “sending is failed!”









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

### 8.1.2 Receive message

When receiving a message, the phone will give a prompt sound ( it can be set, seen in 4.2.2) 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 8.1.9). The maximum number of messages to be saved (including those to be sent) is dependent on the volume of the phone and SIM card.

### 8.1.3 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

#### A) Read SMS

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

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

Select **Reply** to reply SMS, MMS or 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 8.1.1

Select **Save number** to access number saving window and save the sender's number.

Select **Move to my folder** to transfer the message to my favorite in order to use it again. Related operation is seen in 8.1.7. (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 **Option** 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 8.1.1

Select **Get info** 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.

## B) Read PUSH

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

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

Select **Move to my folder** to transfer the message to my favorite in order to use it again. Related operation is seen in 8.1.7 (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 window of PUSH information, press **Option** :

Select **Browse**: link to WAP;

Select **Add to bookmark** : to save the link in the message into bookmark;

Select **Delete** to delete present message.

## C) Read MMS

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

Select **Read** to read the information or press **OK** to read 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 8.1.1.2

Select **Save number** to access number saving window and save the sender's number.

Select **Move to my folder** to transfer the message to my favorite in order to use it again. Related operation is seen in 8.1.7 (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 inbox.

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

In the process of reading, press **Option** 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 8.1.1.2

Select **Move to my folder** to transfer the message to my favorite in order to use it again. Related operation is seen in 8.1.7.

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

Select **Preview 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 inage in the MMS;

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

#### 8.1.4 View Outbox

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

Select **Resend** to send the message again; related operation can be seen in 8.1.1.1 and 8.1.1.2.

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 access name selection window, press “up” and “down” key to select the record,

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 **Option** or **OK** you can:

Select **Send** to send the message again; related operation can be seen in 8.1.1.1 and 8.1.1.2

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.

#### 8.1.5 View Sent messages

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

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 8.1.7.

Select **Forward** to edit present message in text edit window and forward it to the desired number; related operation is seen in 8.1.1.1 and 8.1.1.2

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

Select **Multi-delete** to access name selection window, press “up” and “down” key to select the record,

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 **Option** 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 8.1.1.1 and 8.1.1.2

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

#### 8.1.6 Drafts

Messages which have not been edited or sent are stored in draftbox, activate **Option** 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 **Option** 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).

### 8.1.7 My folder

My folder is used to store messages delivered from inbox and outbox, activate **Option**:

Select **Read** 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 **Option** 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 8.1.1.1 and 8.1.1.2

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

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

### 8.1.8 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).

### 8.1.9 Settings

#### 8.1.9.1 SMS setting

Set parameter related to message operation such as SMS center, Validity period, send report, storage type.

##### 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

#### **Send report**

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

#### **Storage type**

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.

### **8.1.9.2 MMS setting**

Set parameter related to message operation such as connect profile, Send, Receive ,Filter.

**Profile :** setting the connect profile;

**Send:** Set Valid period ,Read report, delivery report , priority:

**Valid 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 ;

**Storage type :**set the storage type ,allow to select SIMor Phone .

**Receive :** to set MMS's receive mode and revert :

**Auto receive :**allow select manual or auto;

**Replay :** when the addresser sent a MMS ,ask to the addressee give a replay ,if select the replay function "on",the system will give a replay to the addresser .

**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 :**Add new number or email;

**Edit :** to edit the number or email ;

**Delete :** delete the select content .

### **8.1.9.3 Reset**

This function will reset your phone to its factory settings.

### **8.1.9.4 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 Phonebook

### 9.1 Phonebook

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 4.5.3 for the detailed setting about the password).

### 9.2 Grouping of phone book

All persons in the phone book of this mobile telephone can be grouped.

Among them, a special group is called SIM card group. The difference between it and other groups is: Its corresponding name can be only stored for a telephone number. SIM card can keep some important telephone numbers at any time, and make you find out the telephone number that you need when you use this SIM card on other mobile telephone too. But the number of records that SIM card can keep and the character and figure is limited and decided by capacity of SIM card.

Except the SIM card group, other groups consist of many records and the contents of everybody's record include the name, group's name, mobile telephone number, office telephone, home telephone, E-mail and mailing address.

When newly creating a person's information record, it will be put into an acquiescence group if not specifying the group.

### 9.3 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".

### 9.4 Create

After entering into the phone book, activate **Option** key and choose the **Add new** 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 chose content.

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

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.

## 9.5 Edit

Select *Edit* to reedit the message.

## 9.6 Send

You can choose to send SMS, MMS and name card.

## 9.7 Copy

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

**Copy to phone:** copy the contact ways of current linkman;

**Multi-copy:** choose the linkman 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:** choose the linkman that needs to be copied, then press **OK** key for confirmation. You may choose *From SIM* and *From phone*.

If space is not enough during the copy, such prompts, as “SIM card full, stop copying “and” Mobile memory full, stop copying will appear.

## 9.8 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 to phone:** move the contact ways of current linkman to mobile phone;

**Multi-copy:** choose the linkman that needs to be moved, 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.

**Multi all:** choose the linkman that needs to be moved, then press **OK** key for confirmation. You may choose **From SIM** and **From 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.

## 9.9 Delete

You can delete your phonebook records in handset and SIM card one by one.

## 9.10 Multi-delete

Select **Multi-delete** to display name list screen, use **U** or **D** key to highlight the required data, press **OK** to select.

## 9.11 Delete all

Select **Phone** to delete all record on the phone one-off;

Select **SIM** to delete all record on SIM card one-off;

Select **All** to delete all record on the phone and SIM card one-off.

## 9.12 Groups

Put the phone records into different groups as various property for convenient use.

The phone has 13 groups, and ther are three options: **Send SMS**, **Send MMS** and **Edit**, activate **Edit**:

**Group icon** option: choose and replace the icon that represents this group.

**Ring tone** option: choose and confirm the ring type when the telephone in this group incomes

**Rename** option: rename the group's name with your favorable name (for renaming window and text compiling window, please refer to section 1.6).

## 9.13 Settings

### 9.13.1 Show type

To set the display type of contact list, including **All**, **Phone** and **SIM**.

### 9.13.2 My number

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

## 9.14 Storage status

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

## 9.15 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 linkman. After you press **option** key, you can conduct the operations as follows:

**Call** to dial out the phone number selected;

**IP call** to insert IP number in the front of the phone number then dial out (The function is needed to set before use, and refer to section 4.4.8);

**Send as SMS**: send SMS to the select number ;

**Send as MMS**: send MMS to the select number ;

**Send card** : send information about linkman with short message way.

**Edit**: to edit the content of records in the phone according to the new record;

**Copy**: to move the data selected to mobile phone (SIM card);

**Move**: to move the data selected to mobile phone (SIM card);

**Delete**: to delete the selected phone record.

## 9.16 Save telephone number

When you dial a new telephone (please refer to section 2.2.1), inquiry the call records (please refer to section 11.3) and look over the short messages, you may choose the option of saving telephone 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.



## **10 Games**

### **10.1 Boxman**

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.

### **10.2 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.

### **10.3 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.

## 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) .

### 11.1 Missed calls

Operations on missed calls

### 11.2 Received calls

Operations on missed calls.

### 11.3 Dialed calls

After the selection of option "dialed calls" by pressing the key **u** or **D** under call history box, the key **select** may be pressed to enter dialed calls box. 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 **IP call** to insert IP number in the front of the phone number then dial out (The function is needed to set before use, and refer to section 4.4.8);

Select **Send SMS** to perform operations in connection with the function of short message; relevant information as shown in 8.2;

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 9.16 ;

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 **IP call** to insert IP number in the front of the phone number then dial out (The function is needed to set before use, and refer to section 4.4.8);

Select **Send SMS** to perform operations in connection with the function of short message; relevant information as shown in 8.2;

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 9.16;

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

## 12 Accessory

### 12.1 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 **Option** to activate the menu.

Select **Shoot mode**: Mode setting: the modes include single mode, Burst mode or Movie mode;

Select **Environment**: to fix any condition from Normal, Darkness;

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

Select **photo size**: set the photo size include  $60 \times 60$ 、 $128 \times 96$ 、 $176 \times 144$ 、 $176 \times 220$ 、 $320 \times 240$ 、 $640 \times 480$ 、 $1280 \times 960$ ;

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

Select **Self mode**: It is allowable for normal mode and self mode.

Select **Save place**: It is allowable for phone and memory card.

Select **Burst mode**: set the continuous shooting number ;

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 video** in to the video list window .

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

Select **Burst number** set the continuous shooting number ;

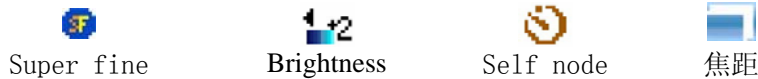
Select **Burst interval** to set the shooting time;

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

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;

**Set wallpaper** : to set the photo as the main wallpaper ;

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

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

**Save** :save the photo;

**Save all** :save all the photos ;

**Auto view** :to show the photos as slide ;

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

**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.

## 12.2 Alarm

This cell phone is available with three 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 icon: 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.

### 12.2.1 Alarm on

Upon the selection of an alarm by user, press the key **select** 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** in the alarm display box to enter the **time** 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**:

**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.

**Day of the week**: the alarm works on some day or days of week;

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

**Snooze**: to set the alarm to ring 5 times every 5 minutes;

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

### 12.2.2 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.

In the event that cell phone is power off, the alarm will still work and may be stopped by any key.

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 Scheduler

### 12.3.1 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.

### 12.3.2 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 **confirmation** 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 ) .

### 12.3.3 Create

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 **Option** under calendar /event list box to activate the menu, and add the event by selecting the option *Create*.

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;

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

**Ring:** refers to the ring to be reminded for event,

**Period:** the period of event to repeat;

**Status:** to make the scheduler on or off.

### 12.3.4 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 **option** for following operations:

**View:** to check the content of scheduler selected;

**Create:** to add a new scheduler;

**Delete:** to delete the scheduler selected;

**Delete all:** to delete all schedulers.

### 12.3.5 View summary

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

## 12.4 Mobile QQ

### 12.4.1 QQ chat

#### Friend list

Press **option** , you can do :

**Chat Room** :in to chat room ,chat with the friend;

**New** :add new friend ;

**User profile** :look over the good friend's information;

**Deleat** :deleat the friend ;

***Deleat all*** :deleat all the friend .

#### Chat roon

In to chat roon ,input the QQ number ,press **option** you can do :

***Write message*** :write message ,press **OK** send message to friend ;

***Read*** :read message ;

***Deleat*** :deleat the message ;

***Deleat all*** ;deleat all the message .

#### Send msg

Enter the edit screen to send message to QQ friends.

#### 12.4.2 QQ query

##### Friend Online

Look over the online friends , Send QQ demand request to QQ server ,the demand result in the ***QQ mailbox-system message*** .

##### Random Match

Send random match request to QQ server. the demand result in the ***QQ mailbox-system message*** .

##### Custom search

Look over friend bu QQ number or nick name ,in put the demand content ,then press **OK** key , Send QQ demand request to QQ server ,the demand result in the ***QQ mailbox-QQ message*** .

#### 12.4.3 QQ mailbox

***System*** :show the messages send from system;

***QQ message*** :show the messages send from customer,

***Sent message*** :show the messages have sended;

***Outbox*** :show the messages which send failed or not send ;

***Offline message*** : Send demand request to QQ server to look over the message saved in the server, the demand result in the ***QQ mailbox-system message*** .

#### 12.4.4 QQ settings

***On /Off service*** :dredge or close the QQ server ,the result send back by message ;

***Bind setting*** :to set the mobile QQ bind with phone ;

***Send setting*** :to set the send mode,allow select from mobile number an QQ number ;

***Receive setting*** :to set the receive mode ;

***Server number*** :select the server number ;

***Apply QQ number*** : Send QQ demand request to QQ server to apply the QQ number .

#### 12.4.5 QQ help

Look over the program description ,include service charge and customer hotline .

## 12.5 Tools

### 12.5.1 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” 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.

### 12.5.2 Notepad

The recorded event is applicable to any memorandum and simple statement. After the activation of the key **option** under recorded event list box, following operations may proceed:

**Edit item:** to edit the recorded event selected;

**Send SMS:** 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.

### 12.5.3 Calculator

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

Take the calculation of  $123456789 \times 7.2$  for example:

First step: enter digits “123456789”, and press **#** to change between plus and minus;

Second step: press operation symbol “x”;

Third step: enter digit “7.2”, whereby the dot can be made by the key **.**;

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.

### 12.5.4 World clock

With an easy operation method, the worldwide clock provides 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
Hawaii	West zone 10	Paris	East zone 1		
Alaska	West zone 9	Frankfurt	East zone 1		
Seattle	West zone 8	Berlin	East zone 1		

### 12.5.5 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.

### 12.5.6 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:

- 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.

### 12.5.7 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.

## 12.6 Connection

### 12.6.1 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.

### 12.6.2 GPRS wizard

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.

### 12.6.3 U-Disk mode

There are two options: Enable and Format.

## 12.7 STK

STK (SIM TOOL KIT) allows to operate its own software based on SIM card. STKcard can receive and send short message data of GSM. This mobile phone supports the service for various network operators.

## 13 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.