Z23

GSM/GPRS

Digital Mobile Phone User's Guide

CONTENTS

3

4

1.   The Basics

1.1.   Introduction

Thank you for choosing the Mobile phone GSM/GPRS digital mobile phone. After reading this guide you will be able to fully master the use of your mobile phone and appreciate all its functions and ease of use.

The mobile phone is designed for use on the GSM/GPRS networks. Not only does the Mobile phone provide you with basic calling functions, but also with many practical functions such as double SIM cards mode, smart input method, a name card style phonebook, 64 chord rings, SMS, MMS, camera and video, MP3 and movie player, recorder, clock/alarm, calculator, automatic power On / power Off, calendar, world clock, GPRS surfing, STK, Keypad lock to improve the time you spend working and playing. Moreover, the Mobile phone uses a personalized man-machine interface and the perfect functional design will satisfy all your needs.

The colour screen mobile phone is compatible with GSM/GPRS technology and has been approved by certification authorities both domestically and abroad.

Our company reserves the right to revise this manual content without prior notice.

1.2. Security Guide

n If your mobile phone is lost or stolen, please contact the telecommunications authorities or a sales agent immediately to have a hold on the phone and the SIM card. This will prevent economic loss caused by unauthorized calls made from your mobile phone.

n When you contact the telecommunications authorities or a sales agent, they will need to know the IMEI number of your mobile phone (remove battery to expose number located on the label on back of phone). Please copy this number and keep in a safe place for future use.

n In order to avoid the misuse of your mobile phone please take the following preventative measures:

    Ø Set the PIN number of your mobile phone's SIM card and change this number immediately if it becomes known to a third party.

    Ø Please keep the phone insight when leaving it in a vehicle. It is best to carry the phone with you, or be locked in the trunk.

1.3. For Your Safety

For the efficient and safe operation of your wireless

handheld mobile telephone, observe these guidelines.

General attention

n Do not switch the phone ON when wireless phone use is prohibited or when it may cause interference or danger. Switch the phone OFF near medical equipment, in aircraft and at the refueling point. Do not use your mobile phone near low signal or precision electronic equipment. Radio wave interference may cause the malfunctioning of such electronic equipment and other problems.

n Check the laws and regulations on the use of wireless telephone in the areas where you drive. Always obey traffic rules. Also, if using your phone while driving, giving full attention to driving. Driving safely is your first responsibility. Use hands-free operation, if available. Pull off the road and park before making or answering a call if driving conditions so require.

n Follow any restrictions. Do not use the phone where blasting is in progress.

n Use only in the normal position as explained in the product documentation. Especial the position where kids could not access.

n Use only approved enhancements and batteries. Do

7

not connect incompatible products.

n Please do not use your mobile phone near low signal or precision electronic equipment. Radio wave interference may cause the malfunctioning of such electronic equipment and other problems. Special Tips must be paid near the following equipment: hearing aids, pacemakers and other electronic medical equipment, smoke detectors, automatic doors and other automatic control installations. To find out the effect of mobile phones on a pacemaker or other piece of electronic medical equipment please contact the manufacturers or local sales agents of the equipment.

n To avoid the mobile phone malfunctioning, or catching fire, please do not violently impact, jolt or throw your mobile phone.

n Please do not place the batteries, mobile phone or charger in a microwave oven or high-pressure equipment. Otherwise it could lead to unexpected accidents such as damage to the circuitry or fire.

n Please do not use your mobile phone near flammable or volatile gases, otherwise it could cause malfunctioning or fire.

n Please do not subject your mobile phone to high

8

temperatures, high humidity or dusty places; otherwise this may lead to the malfunction of your mobile phone.

n To avoid your mobile phone falling and malfunctioning or being damaged, please do not place your phone on uneven or unstable surfaces.

Phone Safety

n Do not disassemble or modify the mobile phone, as it will lead to damage to the phone such as battery leakage or circuitry failure.

n Please do not subject the LCD to impact or use the screen to strike things, as this will damage the LCD board and cause leakage of the liquid crystal. There is a risk of blindness if the liquid crystal substance gets into the eyes. If this occurs rinse eyes immediately with clear water (under no circumstances rub your eyes) and go immediately to a hospital for treatment.

n Under very rare circumstances using the mobile phone in certain model cars may negatively effect the internal electronic equipment. In order to assure your safety under such circumstances please do not use the mobile phone.

n If your car is equipped with an airbag, do not place

9

your phone on top of it or within the contact area of the airbag in order to avoid seriously harming the driver or passenger when the airbag inflates.

n Please do not use needles, pen tips, or other sharp objects on the keypad as this may damage the mobile phone or cause it to malfunction.

n Avoid letting the phone come into close contact with magnetic objects such as magnetic cards as the radiation waves of the mobile phone may erase the information stored on floppy disks, pay cards and credit cards.

n Please keep small metal objects, such as thumbtacks, far away from the receiver. When the receiver is in use it becomes magnetic and may attract these small metal objects and thus these may cause injury or damage the mobile phone.

n Avoid having the mobile phone come into contact with water or other liquids. If liquids enter the phone, this could cause a short circuit, battery leak or other malfunction.

n As much as possible, please use the mobile phone in a place away from landline telephones, televisions, radios, and automated office equipment in order to avoid affecting both the equipment and

10

the mobile phone.

Battery Safety

n   Do not disassemble or modify the battery, as this will cause the battery to leak, overheat, crack and catch fire.

n   Do not dispose of old batteries with everyday domestic garbage. Please dispose of old batteries at the directed places with specific rules for their disposal.

n   Please do not put/throw batteries into a fire, as this will cause the battery to catch fire and explode.

n   When installing the battery, do not use force or pressure, as this will cause the battery to leak, overheat, crack and catch fire.

n   Please do not use wires, needles or other metal objects to short-circuit the battery. Also, do not put the battery near necklaces or other metal objects, as this will cause the battery to leak, overheat, crack and catch fire.

n   Please do not solder the contact points of the battery, as this will cause the battery to leak, overheat, crack and catch fire.

n   If the liquid in the batteries goes into the eyes, there is a risk of blindness. If this occurs do not rub the

11

eyes, but immediately rinse eyes with clear water and go to the hospital for treatment.

n Please do not use or place the batteries near high temperature places such as near a fire or heating vessel, as this will cause the battery to leak, overheat, crack and catch fire.

n If the battery overheats, changes colour, or becomes distorted during use, charging, or storage, please stop using and replace it with a new battery.

n If the liquid from the battery comes in contact with skin or clothing this could cause burning of the skin. Immediately use clear water to rinse and seek medical Tips if necessary.

n If the battery leaks or gives off a strange odour, please remove the battery from the vicinity of the open fire to avoid a fire or explosion.

n Please do not let the battery become wet as this will cause the battery to overheat, smoke and corrode.

n Please do not use or place batteries in places of high temperature such as in direct sunlight, as this will cause the battery to leak and overheat, lower performance, and shorten the battery's life.

n Please do not continuously charge for more than 24 hours.

Charger Safety

n   Please use AC 220 volts. The use of any other voltage will cause battery leakage, fire and cause damage to the mobile phone and charger.

n   It is forbidden to short circuit the charger, as this will cause electrical shock, smoking and damage to the charger.

n   Please do not use the charger if the power cord is damaged, as this will cause fire or electrical shock.

n   Please immediately clean any dust gathered on the electrical outlet.

n   Please do not place vessels with water near the charger in order to avoid water splashing onto the charger and causing an electrical shortage, leakage or other malfunction.

n   If the charger comes in contact with water or other liquid the power must immediately be switched off to avoid an electrical short or shock, fire or malfunction of the charger.

n   Please do not disassemble or modify the charger, as it will lead to bodily harm, electrical shock, fire or damage to the charger.

n   Please do not use the charger in the bathroom or other excessively moist areas, as this will cause

electrical shock, fire or damage to the charger.

- **n** Please do not touch the charger with wet hands, as this will cause electrical shock.
- **n** Do not modify or place heavy objects on the power cord, as this will cause electrical shock or fire.
- **n** Before cleaning or carrying out maintenance please unplug the charger from the electrical outlet.
- **n** When unplugging charger, do not pull on the cord, but rather hold on to the body of the charger, as pulling on the cord will damage the cord and lead to electrical shock or fire.

Cleaning and Maintenance

- **n** The mobile phone, battery and charger are not water resistant. Please do not use them in the bathroom or other excessively moist areas and likewise avoid allowing them to get wet in the rain.
- **n** Use a soft, dry cloth to clean the mobile phone, battery and charger.
- **n** Please do not use alcohol, thinner, benzene or other solvents to wipe the mobile phone.
- **n** A dirty outlet will cause poor electrical contact, lose of power and even inability to recharge. Please clean regularly.

General Matters

Phone**:**

n Please use the mobile phone in the environment with a temperature between 5℃ ~ 40℃ and a humidity between 35% ~ 85%.

n As much as possible, please use the mobile phone in a place away from landline telephones, televisions, radios, and automated office equipment in order to avoid affecting both the equipment and the mobile phone

Battery:

n Please place the battery in a cool, shady and well-ventilated place out of direct sunlight

n The life of all mobile phone batteries is limited. The usable time of batteries decreases with frequent charging. When charging becomes ineffective this means that the battery is at the end of its life and the battery should be replaced with a new one of the designated type.

n Do not dispose of old batteries with everyday domestic garbage. Please dispose of old batteries at the directed places with specific rules for their disposal.

Charger:

n Please do not charge in the following places:1, in

sunlight;2, the outside temperature lower than 5℃ or higher than 40℃ ;3, moist or humid places, dusty places or places with excessive vibration (this will cause malfunctioning);4, near televisions, radios, electronic products.

Warnings

n This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.

n NOTE: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

n 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.

n Body-worn Operation

This device was tested for typical body-worn operations. To comply With RF exposure requirements, a minimum separation distance of 1.5cm must be maintained between the user's

17

body and the handset, including the antenna. Third-party belt-clips, holsters, and Similar including the antenna. Third-party belt-clips, holsters, and Similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided.

n Specific Absorption Rate (SAR)

This Model wireless phone meets the government's requirements for exposure to radio waves.

Your mobile device is a radio transmitter and receiver. It is designed and manufactured to not exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. overnment and by the Canadian regulatory authorities. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards

include a substantial safety margin designed for the safety of all persons, regardless of age or health.

n   The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR, The SAR limit set by the FCC is 1.6 W/Kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output. Before a phone model is available for sale to the public in the U.S, it must be tested and certified to the FCC that it does not exceed the limitestablish for safe exposure. The tests are performed in positions and locations (e.g, at the ear and worn on the body) reported to the FCC.

n   Before a phone model is available for sale to the public in the U.S, it must be tested and certified to the FCC that it does not exceed the limit establish for safe exposure. The tests are performed in positions and locations (e.g, at the ear and worn on the body) reported to the FCC. While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products, in all cases, products are designed to be within the guidelines. Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site: http://www.phonefacts.net

2. Before Use

2.1. Introduction to Icons in standby

Icon	Description
	The device is being used in a GPRS network.
	Vibrator indicator
	SMS indicator
	MMS indicator
	Alarm indicator
	Earphone indicator
	Divert all calls
	The device keypad is unlocked
	The device keypad is locked
	You have missed calls

2.2. Key function

1. Direction key:

（**1**）**Right key:** Move the cursor with the direction of right.

（**2**）**Left key:** Move the cursor with the direction of left.

（**3**）**Up key:** Move the cursor with the direction of up.

（**4**）**Down key:** Move the cursor with the direction of

21

down.

2. **Number keys:** To enter numbers and letters; the number keys from 2-9 can be set for one-key dialling.

3. **Right soft key:** To perform the function of the prompt displayed in lower right corner of the screen.

4. **Left soft key:** To perform the function of the prompt displayed in lower left corner of the screen.

5. **Send key:** To dial and pickup calls; on standby mode, to see the record of all calls made.

6. **End key:** To end a call or reject incoming calls. Under most circumstances pressing this key will put the mobile phone into standby mode. Hold down this key to power On/Off.

7. **aA:** Can switch Capital or Lowercase.

8. **Ctrl:** When editing, can switch the Input Method.

9. **Symbol:** When editing, can show the symbols.

10. **Delete Key:** When editing, can delete the characters.

11. **Side key:** You can control the volume.

12. **Space:** Press right key+space key can locked the keypad.

! Tip: In this handbook, the phrase "press the key" refers to pressing and thereafter releasing a key, "Hold down a key" refers to pressing a key and keeping it depressed for 2 seconds or longer.

2.3. Install of SIM card, T-flash card

2.3.1. SIM card

Before using your mobile phone you must insert a SIM card into the phone. The SIM card is your key to entering the digital GSM/GPRS network. The SIM card is provided by network provider.

The information recorded on the metal area of the SIM card is all the data related to establishing a connection with the network, together with the names and numbers in your phonebook and messages. Your SIM card can be removed from your mobile phone and inserted in any other GSM/GPRS mobile phone to be read (a new mobile phone will automatically read the SIM card).

2.3.2. Install and Remove the SIM

The SIM card is usually located in a plastic card. Before inserting into the phone you must carefully remove it.

n Turn off the phone; remove the battery and unplug other external power sources.

n Insert the SIM card into the SIM slot as shown in the

23

following picture.

n   When you need to remove the SIM card, remove the SIM card as shown in the following picture.

2.3.3. T-flash card

Remove the battery, while the T-flash card metal surface downward and insert it.

Tip: If you have some problem with the T-flash card, please check whether the T- flash card is installed properly or not and whether there is a good connection between the T-card and the socket or not.

2.4. Battery

2.4.1. Installation the Battery

n   Push the battery cover down and take it off;

n   Align it with metallic contact of the battery compartment. Clasp bottom of the battery into the battery compartment.

n   Push the battery cover up until the battery in completely

inserted into the battery compartment.

Tip: Please do it properly avoiding the damage to the battery connector in the PCB.

2.4.2. Battery charging

Plug the charger connector into the side of the phone

Plug the charger into the electrical outlet. At this time the charge level icon will repeatedly flash at the top right corner of the mobile phone's screen; When the battery level icon indicates that the battery is full and does not flash anymore, this means that the battery is fully charged. When charging is complete, unplug the charge connector from the electrical outlet and the mobile phone.

If the mobile phone automatically shuts down, or indicates that the "**Battery is low**" you should immediately charge the battery. If the battery has not been entirely used up before charging, the mobile phone will automatically decrease the recharging period.

Tip: Please use the appointed charger to make sure the handset can work properly.

2.5. Security Code

n **PIN code**

PIN (Personal Identification Number) code is to avoid illegal usage of your SIM card. If you successively enter your PIN number three times incorrectly, your SIM card will be locked and your phone will ask for PUK number. At this time, you need to enter the PUK number to unlock the SIM card. The PIN number and PUK number may have been provided to you together with the SIM card by your service provider. If you do not have it, please contact your network provider.

n **PIN2 code**

To **On/Off** the some function (eg. Call counter), you need to enter the PIN2 number. If you do not have it, please contact your network provider. If you successively enter your PIN2 number three times incorrectly, this function will be unable to use, and you need PUK2 number to unlock. For details, please contact your network provider.

n **PUK code**

When you want to change the locked PIN code, you need to input the **PUK** code. **PUK** code may have been provided to you together with the SIM card. If you do not have it, please contact your network provider. If you successively enter your PUK number ten times incorrectly, your SIM card will be not useful. Please contact your network provider for

26

new SIM card. You can not change the PUK code. If you lost the code, please contact your network provider.

n   PUK2 code

When you want to change the locked **PIN2** code, you need to input the **PUK2** code. If you successively enter your **PUK2** number ten times incorrectly, you will not use the relative function. Please contact your network provider for new SIM card. You can not change the PUK code. If you lost the code, please contact your network provider.

3.   Quick Start

3.1.   Feature function

Your mobile phone has various rich practical convenient functions besides basic voice call.

Brief introduction is as follows:

n   Phone book

  Ø   To search for a desired phonebook entry quickly by name;

  Ø   Every local phonebook entry can include one telephone numbers; To save a phone book entry to SIM card or mobile phone freely;

  Ø   To edit, send a short message to some telephone number of the phonebook entry, copy the phone

book entry between SIM card and mobile phone, set one key dial-up, blacklist　and group;

Ø To set the personalized ring for each group and group filter.

n　　**Messages**

Ø To save, forward, delete, edit, reply the SMS and use template message;

Ø The max size of one MMS is 100KB；The MMS contains multimedia contents (including images, video, sound and text). You can customize the MMS and check the messages status in the SIM card and handset.　You can also select where you prefer to save those messages.

n　**Call History**:

Your mobile phone support the following functions about call history are available:

Ø To save all information about your calls.

Ø To dial the number in call Log.

Ø To save the number in call history to phone book or add to blacklist.

Ø To delete one record and delete all records about call.

Ø To save automatically and check SMS account.

Ø To save automatically and check GPRS account.

n **Setting**: You may make the following personalized settings according to your usage custom: **Phone settings, Network settings, Security settings** and so on. In every menu you can make settings that configure your usage preferences for your mobile phone, for example date and time, auto on/off,, phone lock and so on.

n **Multimedia:** our phone supports these functions such as: Camera, Video recorder, Video player, Audio player, sound recorder and so on.

n **User Profile:** Your mobile phone provides many different profiles for you to set your mobile phone's ring tone, according to case and environments.

n **Organizer**: The mobile phone supports: alarm, Calendar, World clock, calculator, currency converter and so on.

n **Wap Service**: Your mobile phone supports Wireless Application Protocol (WAP) service. You can access many different WAP services.

n **Shortcuts:** You can set different shortcuts for some relative key.

n **Input method**:Your phone provides various input methods for you to choose from like English, Number, Symbols for your convenience.

3.2. Dialing

On standby mode, press the keypad to enter the number-inputting interface, then you can make a call.

During a call, press the **left soft key** "**Option**" to enter the call menu, In the call menu you can perform the following operations: hold, end, new call, phonebook, Messaging and so on.

3.3. Reject a call

To reject an incoming call, press the **End key.**

3.4. Answer a Call

When you have an incoming call, the phone will give corresponding information.(eg: vibrate, ring, etc). If the network support, the handset will show the name or number of the caller. And then you can pick up the call by pressing the dial key.

3.5. Ending a Call

During a call, press the **End key** to end a call.

3.6. Emergency Calls

Without a SIM card, you can also transmit emergency calls. Different network operator have different number, please ask your network operator for the detail.

3.7. Call History

Your mobile phone can store records of the most recently missed, received, refused and dialled calls.
Tips: The incoming calls form number in the blacklist will be saved in the refused call.

3.8. Call divert

In call diversion, the network service permits you to divert the calls, under certain preset situations, certain incoming calls to a telephone number designated by you. You can set and cancel the incoming call diversion function of your mobile phone. This service requires network support. Please contact your network provider to activate this service.

3.9. Call waiting

If Call waiting is activated, you can answer the second call during the first call.

3.10. Call barring

Enter the "Call Barring" submenu to set any of the following call barring groups to increase the security of your phone from unauthorised usage. (Outgoing Calls, Incoming calls, incoming calls when roam, outgoing calls when roam, outgoing calls when international roam) Some network providers may not be able to provide Network Call Barring service. For details, please contact your network provider.

3.11. Power off

On the standby mode, hold down the Power key to power off your phone.

4. Function Menu

4.1. File manager

You can check the file details or format the files in phone or in memory card.

4.2. Phone Book

You can use the phonebook function to save name card information such as names, telephone numbers, personalized ring tones, pictures for incoming calls, and email. Directly enter the phonebook function.

Note: Different SIM cards store different amounts of numbers according to their memory size.

In **Phone Book**, you can see these functions such as: Add new Contact and Contact list

Add new Contact To add a new record to the phonebook. You can save the number in the "**SIM Card**" or the "**Phone**".

Press the **Left Soft Key**" **Options**" you can see: **View, Send message, Send multimedia message, call, call handsfree, IP call handsfree, IP dial, Edit, Delete, Move, Send contact, Add to Blacklist, Caller groups, Phonebook settings and so on.**

Enter the Phonebook settings
- n **Preferred storage** Default or select when save number.
- n **Speed dial** Turn on/off the speed dial and you can set the speed dial.
- n **My number** You can edit your information.
- n **Vcard version** You can check the Vcard version.
- n **Extra number** You can check owner number and

turn on or off the fixed dial.

n **Memory status**   You can check how many names and numbers are stored in the phone book (SIM card and phone memories) or how much free space is remained.

n **Copy contacts**   To copy the entry from SIM to Phone or Phone to SIM. You will have the same entry in a different storage.

n **Move contacts** To move entry from SIM to Phone or Phone to SIM.

n **Delete all contacts**   Input the password and you can delete all contacts.

4.3. Fun & Games

You can install Java program and run these programs on your phone. And you can edit the network items of these programs.

Mobile phones and four built-in game for users to play

4.4. Call Center

4.4.1. Call History

You can view info related to call records, including: **Missed Calls**, **Dialed Calls**, **Received Calls**, **Delete Call Log**, **Call Time**, **Call Cost**, **MSG Counter**, **GPRS Counter.**

4.4.2. Call Settings

For a general setting, such as:SIM1 ,SIM2 call setting(including Call ID ,Call waiting, Call divert, Call barring),Advance setting(Blacklist, Auto redial, Call time display, Call time reminder, Auto quick end, Reject by SMS,).

4.5. Massaging

4.5.1. Write Message

Enter the "**Write Message**" submenu and edit a SMS message.

- **n** **Send to** After finishing your SMS message, you can use this option to select the number you want to send.

- **n** **Input symbol** To input the symbol.
- **n** **Input method** To change the current input method.
- **n** **Edit options** Mark text, Copy all and Cut all.
- **n** **Add picture** To add the picture into message.
- **n** **Add sound** To add the sound into message.
- **n** **Add video** To add the video into message.
- **n** **Add subject** To add the subject into message.
- **n** **Slide option** Add slide behind and add slide before.
- **n** **Switch to MMS** Change the SMS to MMS.
- **n** **Advanced** To insert **number, name,** or **bookmark**
- **n** **Save** Saves the message to Drafts. You may send it later.
- **n** **Details** Check the message details.

After finishing your SMS message you can select "**Sent to**", then you can edit the recipients and you can select **Send By SIM1/SIM2**.

Note: In some city and area, the massage centre do not support massage longer than 160 English letters.

4.5.2. Inbox

The new incoming messages including the SMS and MMS are saved in the "Inbox" folder. Enter the "**Inbox**" submenu and select the SIM card. Your mobile phone will display a list of the messages in the "**Inbox**". Press the

Direction key to scroll to the message you wish to read. By pressing the "**Options**", you can carry out the following operations on the current message:

- **View**   To view the message.
- **Reply**   To reply to the sender.
- **Call sender** To call the sender.
- **Forward**   To forward the current message to other person.
- **Delete**   To delete the viewed message.
- **Delete Same Number**   To delete the viewed message from the same number.
- **Delete all**   To delete all messages.
- **Save to Phonebook** To save the number to phonebook.
- **Sort by** Sender, Subject, Unread/read, Message type and Message size.
- **Mark several** To mark the message that you want to select, press * to mark.
- **Move to Archive** Move the message to archive.
- **Filter by** SIM1, SIM2 and ALL messages.
- **Mark several** To mark the message that you want to select.
- **Mark as unread** To mark the read message as an unread message.

37

n **Advanced** You can Copy or Move the message or all messages to phone.

4.5.3. Drafts

Enter the "**Drafts**" submenu. Press "OK" to read the message. By pressing "**Drafts**", after select SIM card, you can carry out the following operations on the current message:

n **View** To view the current message.

n **Send** To send the current message.

n **Edit** To edit the current message.

n **Delete** To delete the current message.

n **Delete all** To delete all of the message in the drafts.

n **Sort by** Sender, Subject, Unread/read, Message type and Message size.

n **Mark several** To mark the message that you want to select.

n **Advanced** You can Copy or Move the message or all to phone.

4.5.4. Outbox

Enter the "**Outbox**" submenu, select the SIM card press "OK" to read the message. By pressing "**Options**", you can carry out the following operations on the current message:

- n **View**   To view the current message.
- n **Resend**   To resend the current message.
- n **Edit**   To edit the current message.
- n **Delete**   To delete the current message.
- n **Delete Same Number**   To delete the messages from the same number.
- n **Delete all**   To delete all of the message in the outbox.
- n **Sort by** Sender, Subject, Unread/read, Message type and Message size.
- n **Mark several** To mark the message that you want to select, press * to mark.
- n **Advanced**   You can Copy or Move the message or all messages to phone.

4.5.5. Sent messages

Enter the "**Sent messages**" submenu, select the SIM card press "OK" to read the message. By pressing "**Options**", you can carry out the following operations on the current

message:
- **n** **View**   To view the current message.
- **n** **Forward**   To forward the current message.
- **n** **Delete**   To delete the current message.
- **n** **Delete Same Number**   To delete the messages from the same number.
- **n** **Delete all**   To delete all of the message in the outbox.
- **n** **Sort by** Sender, Subject, Unread/read, Message type and Message size.
- **n** **Mark several** To mark the message that you want to select, press * to mark.
- **n** **Advanced**   You can Copy or Move the message or all messages to phone.

4.5.6. Delete messages

Can delete all Inbox, Drafts, Outbox, Send messages, Archive, All messages.

4.5.7. Email

Through this feature, you can send and receive e-mail.
Email accounts: (for example Yahoo Mail)
- **Ø**   Email address: set the user's email address(e.g.

abc@yahoo.com)

- Ø Communication protocol: The communication protocol used to set(e.g. POP3 or IMAP4)
- Ø Accounts data: Set the Internet account using(e.g. GSM data or GPRS data)
- Ø Incoming server: Set incoming mail server(e.g. pop.yahoo.com
- Ø Outgoing server: Set outgoing mail server(e.g. smtp.yahoo.com)
- Ø User name: E-mail server settings when users log on the user name used(e.g. abc)
- Ø Password: E-mail server settings when users log on password used.
- Ø Account name: Set the name of the configuration file.

After the completion of the list of interface configuration options in the e-mail to activate this configuration, you can send and receive messages related to operations.

4.5.8. Broadcast Message

- n **Receive mode** You can select "on" to enter receive mode, select "off" to reject receive broadcast messages
- n **Read message** read the received Broadcast

messages.
- n **Languages**   change the language
- n **Channel setting** set the channel of broadcast messages.

Note: The network operators must support the "Broadcast Message" function for it to be available.

4.5.9. Templates

Enter the massage list, you can edit or delete the default template.

4.5.10. Message Settings

Enter the "**Text message**" submenu;
- n **Profile setting** To select a suitable profile for the messages, after entering the relative profile, you can set the relative options such as: name, number of message center, available time and message style.
- n **Voicemail server** Set the voicemail server number and you can call it.
- n **Common setting** To set **delivery report** /**reply path/Save sent message** On or Off.
- n **Memory status** To check the status of the SIM card

and phone message inbox.

- **n** **Preferred storage** Two places to storage: phone or SIM card.

*Tip: The function needs support from you network operator.

Enter the "**Multimedia message**" submenu;

- **n** **Profiles**   Select the service provider.
- **n** **Common settings**   You can set common setting. The options are as follow: **Compose, Send, Retrieve, Filter, Memory status**。

4.6. Multimedia

4.6.1. TV

This phone Built-in analog TV module, you can be anywhere in the signal coverage of the area to enjoy your favorite TV shows. Enter the options menu to choose from the following:

- **n** **Country**   To select the country.
- **n** **Input channel**   Input the channel you want.
- **n** **Program List**   Shows that the channel has to search the list Can rename, and delete the selected broadcast channel
- **n** **OSD stay time**   To select the display stay time.

You can choose 5s, 10s, 30s or always.

Tip: To make the TV full screen, please press "**4**".

4.6.1　Camera

This mobile phone is equipped with a high resolution camera which you can use to take pictures at anytime or anyplace and then save them on your mobile phone. During the view-finding mode, press the "**Option**", to carry out the following operations:

- n　**Photos** To display the file list.
- n　**Camera Settings** To adjust **Flash, Shutter Sound**, **EV**, **Contrast**, **Anti-flicker**, **Delay Timer**, **Cont. shot** settings**.** Select **[OK]** to activate the settings.
- n　**Image settings** Including **Photo size** and **photo quality** adjustment.
- n　**White balance**　　To set the balance of light.
- n　**Scene Mode**　　To set the profile as **auto** or **night mode**.
- n　**Effect Settings**　　To set special shot effect.
- n　**Storage**　　Two places to storage: Memory card and phone.
- n　**Restore default** To restore default setting.

44

4.6.2   Image Viewer

Enter the "**Image viewer**" submenu.

4.6.3   Video recorder

During the view-finding mode, adjust the lens to allow what is being photographed to appear in the viewfinder. Press the red button to activate the video recorder.

Press the "Options", you can perform the following operations:

- **Camcorder Settings** To set some spec of the video recorder.
- **Video settings** Includes **Video quality** adjustment.
- **White balance** to set the balance of light.
- **Effect setting** To set special shot effect.
- **Storage** Phone memory or T-flash card memory.
- **Restore Default** Press **[OK]** and select **Yes** to return to default settings.

Tip: In the video finding interface, press the relative number key, you can adjust the relative spec of the video effect.

4.6.4   Video player

Select "**Video player"** submenu to view the short film list stored in the move player, press the **left soft key** to perform the **Play, Send, Rename, Delete, Delete All Files** operation, **"Sort by"** operation on the list and view the file storage position.

4.6.5   Audio player

Enter the "**Audio player**" submenu to open the MP3 player.

In the audio player menu, press "**List**" to enter the audio playing list, and press the **"Options"** to carry out the following operations to every audio file:

- **n Play** To play the current audio file.
- **n Details** To view the details of the current music file.
- **n Add to ringtones** To add the current music file into midi list of profile.
- **n Refresh list**   To refresh the list.
- **n Settings** To set the relative spec for the audio player.
  - **Ø Pre.playlist** To select the list before play.
  - **Ø List auto gen.** To list automatically.
  - **Ø Repeat**   To repeat audio file.

Ø **Shuffle** For the play order, **On** to play at random, **Off** to play with the playing order.

Ø **Background play** When you set this function On, you can play audio file in many menu

Ø **Lyrics display** Set **On/Off** to display the lyrics.

4.6.6 Sound recorder

Press the "Options", you can perform the following operations:

n **New record** To start a new record.

n **List** To list the records that exist.

n **Settings** To set storage and the file format.

4.6.7 FM Radio

This FM Radio one also features a radio. You can search radio programs or to do it manually. Press the left soft key to view the following operations:

n **Channel list**

Here you will find the frequency of the program; you can edit and delete the program.

n **Manual input**

You can manually input the frequency of the program

47

you like.

n Auto search

You can save the search channels.

n Settings

You can select different setting for the FM function such as: background play, profile, handset speaker, etc.

n Settings

You can set Background Play, Loudspeaker, Record Format, Audio Quality and Record Storage.

n Record　　You can record the channel.

n Append　　You can append the channel.

n File list　To list the files.

4.7 Organizer

The handset supplies some organizer functions such as: Calendar, Alarm, World Clock, etc.

4.7.1 Calendar

Enter calendar submenu, the calendar will display on the screen and the current date marked with the special color background frame.

n View　To view the event.

n View all　To view the all event.

- n **Add event**   To add new event.
- n **Delete event**   To delete the event.
- n **Jump to date**   Enter the day you want to jump to.
- n **Go to monthly View**   View monthly.

4.7.2   Tasks

You can save up to 10 entries journey. Select "**Tasks list**" in the submenu, you can edit, add, view and delete the journey.

4.7.3   Alarm

You can save many alarms. Select one alarm in the Alarm menu, you can edit and set it.

4.7.4   World clock

Enter the "World clock" submenu, where you will initially see the world clock-browsing interface. Use the **option** to select the "**Daylight saving time for foreign city**" on or off.

4.8 Settings

4.8.1 Dual SIM switch

You can set as Select with SIM statue or Use default mode.

4.8.2 Dual SIM Settings

- **Dual SIM open** SIM1 and SIM2 are all power on.
- **Only SIM1 open** SIM1 is power on, but SIM2 is power off.
- **Only SIM2 open** SIM1 is power off, but SIM2 is power on.
- **Flight mode** SIM1 and SIM2 are all power off.

4.8.3 Phone settings

- **Time and Date** Including default city time zone setting, time setting and time format setting.
- **Schedule Power ON/OFF** There are four different times to set for the phone to auto power on/off according to the setting type.
- **Language** You can set a desired language to be displayed on your phone.
- **Pref. Input Methods** This menu allows you to set

your preferred input method as default.

- **n** **Display** Here you can set: Wallpaper, Screensaver, power on/off Display, Show Date and Time.
- **n** **Shortcuts** Here you can set the shortcut. You can add, edit, delete, delete all, disable, change order.
- **n** **Dedicated key** To choose the function of directions.
- **n** **Auto update of date and time** Set On/Off to update the date and time automatically.
- **n** **UART settings** Set SIM1/SIM2 to UART.
- **n** **Misc setting** Set the **LCD backlight** brightness and time.
- **n** **Event Light** Set the light ON/OFF on **Power On/Off, New call, Missed call, New Message** and **Audio play.**

4.8.4 Network Settings

- **n** **Network Selection** The Network Selection feature enables you to: select a network automatic or manually.
- **n** **Preferences** Support selection preferred networks.

4.8.5 Security Settings

- **n** **Security settings**

51

Ø **SIM Lock**

Enter the sub menus in **"Security Setup"** in "**Settings**" menu. These security settings will help you keep privacy and to prevent other people from using the phone without your permission.

SIM Lock is done by the PIN number The PIN number can prevent the illegal use of your SIM card.

If the SIM Lock feature is **Off** select **On** to enter the PIN number to lock the SIM Card, the phone will remind you to enter the PIN number when power on. Select **Off** to cancel PIN number guard.

! Note: If you successively enter your PIN number three times incorrectly, your SIM card will be locked. At this time you need the PUK number to unlock the SIM card. The PIN number and PUK number may have been provided to you together with the SIM card. If you do not have it, please contact your network provider. The default PIN number is usually 1234. Please change into your own password as soon as possible.

Ø **Fixed Dial**

If your SIM Card supports the function, you can fix the dial numbers. When the Fixed Dial mode is enabled, the person can just call the phone numbers stored in the Fixed Dial List.

Enter the Fixed Dial submenu to carry out the following settings:

- **Mode:** Enter the PIN2 to enable Fixed Dial List.
- **Fixed Dial List**: to **Add** Fixed Dial number

Ø **Barred dial**

Ø **Change password**

You can change PIN/PIN2 code.

! Note: To **On/Off** the function you need to enter the PIN2 number. If you do not have it, please contact your network provider. If you successively enter your PIN2 number three times incorrectly, this function will be unable to use, and you need PUK2 number to unlock. The Barred Dial number will be not displayed in the phonebook when the function is activated.

n **Phone Lock**

The Phone Lock can prevent the illegal use of your phone. Enter the phone lock submenu, to carry out the follow settings:

Ø Select **On** to enter the correct number to activate this function. User must enter the password each time they power On the phone.

Ø Select **Off** to cancel the function.

! Note: Password [1122]

> **n Auto Keypad Lock** To prevent unwanted key press, you can use this function to lock the keypad. If you do not carry out any operation in the pre- set time, the keypad will be locked automatically.
>
> **n Change Password** To reset the code including the PIN, PIN2 and the handset code.

Note: Some function needs the support from your network operator.

4.8.6   Connectivity

Bluetooth, WLAN, Conn. Madanement and **Data account** are included.

Bluetooth

In the Bluetooth submenu, the following options for you to carry out the relative setting of the Bluetooth service:

n Power   Press the left soft key to on/off the Bluetooth function.

n Visibility   Press the left soft key to on/off this function.

n My device   Press the left soft key "OK" to enter the "my device" submenu, the display will show the apparatus which have been connected with the handset. Select one apparatus and press the left soft key

"Options" to carry out the following operations:

Ø **Search new device**   To search for new device.

n **Search Audio device**   Press the left soft key to search the Bluetooth earphone. If there are some active BT earphones nearby, the handset will find the apparatus. Press the left soft key to "connect", after inputting the relative code (normally the default earphone code is: 1122, the details please check the user manual of BT earphone), you can connect the handset with the apparatus successfully and make a call with BT earphone.

n **My name** You can rename the handset in Bluetooth connection.

n **Advanced**

Ø **Audio Path**   To select the audio path from "Leave in Phone" and "Forward to BT headset".

Ø **Storage**   set **Phone/Memory card/Always ask**.

Ø **Sharing permission** set **Full control/Read only**.

Ø **My address** Tell the Bluetooth address.

Data account

You can add, delete and edit the data accounts.

4.8.7   Restore Factory Setting

The default value of Restore Factory Setting is: 1122.

4.8.8   Sound effects

You can set the sound effects, including: Normal, Bass, Dance, Classical, Treble, Party, Pop, Rock.

4.9 User Profile

Your mobile phone provides many different profiles for you to set your mobile phone's ring tone, according to case and environments.

4.9.1   General

- Ø **Activate** To activate the General profile.
- Ø **Customize** To modify the setting options of the General profiles such as: **Tone settings, Volume, Alert Type, Ring Type, Extra Tone, Answer Mode.**

4.9.2   Silent

The operations are the same as the **Silent** option.

4.9.3   Meeting

The operations are the same as the **General** option.

4.9.4   Outdoor

The operations are the same as the **General** option.

4.9.5   My style

The operations are the same as the **My style** option.

4.10 Extra

4.10.1 Calculator

   Your mobile phone provides a calculator with 4 basic functions to facilitate simple calculations.

   Enter the "**Calculator**" submenu to display the operation interface of the calculator:

   I   Use the **Number keys** from **0** to **9** to enter the numbers you wish to enter.

   I   Press the **right soft key,** you can delete the latest entry or result, press the **right soft key**, "**BACK**", to exit the calculator, press the **left**

soft key, "**ok**" to calculate the result.

！**Tip:** The precision of this calculator is limited so that rounding errors may occur, especially in the case of indivisibility.

4.10.2 Currency Converter

You can convert currency if you know the exchange rate. First input a currency rate and then press **OK** key to choose how you want the currency to be calculated, then press down the navigation key and input the local currency value, last press the **Ok** to get the result.

4.10.3 Stopwatch

You can USB Typical stopwatch or N Way stopwatch.

4.10.4 E book reader

You can read e book by this function. Select "**Options**" to cleanup bookshelf and global settings. You can set **font size** and **auto scroll** and **scroll speed** and so on.

4.11 Services

4.11.1 STK

STK is the value added service supplied by the service provider. Your phone support STK function, you need support of your network operator for more information, please contact the network operator.

4.11.2 Internet service

Your mobile phone supports wireless application protocol (WAP) service. You can access many different WAP services such as news, weather reports, flight information and so on. These services are especially designed for mobile phones and maintained by WAP service providers.

Note: GPRS service the support from the network provider only in the area of the network covering, you can use the GPRS service.

- n **Homepage** The homepage of internet which you have preset the website of wap. If you have not set the homepage, the handset will use the default website of the factory.
- n **Book marks** You can make bookmark data in your

59

phone and you can connect to the website directly.

n **Recent pages** To view the page history of the explorer.

n **Input address** You can go to the site directly by inputting the URL.

n **Service inbox** You can read the message from the service provider.

n **Settings** To modify some settings of online function.

    Ø **Select SIM** To select SIM card you want to use.

    Ø **Profile** To select the settings of service.

    Ø **Browser options** To set the specifications when browser the internet including Timeout, show the images.

    Ø **Service messages settings** To activate or deactivate the service messages.

    Ø **Clear cache** To clear the cache of the explorer.

    Ø **Clear cookies** To delete the personal information of the internet.

4.12 Shortcuts

n **Shortcuts:** You can set different shortcuts for some relative key.

60

5   Appendix

      In simple terms, the function of internet video camera is to achieve the function of chatting through the camera of the phone and internet connection of PC.

    The PC-configuration requirements for the function of Webcam

1. The PC operating system is Windows XP SP2 or more advanced editions.
2. The chatting tools like MSN should be installed to support the video chatting function.
3. Internet connection should be in good condition.

Use the webcam steps.

1. Press the Cancel key to switch on the phone.
2. Connect the phone with a PC which is running by a USB data line.
3. In the interface of USB settings, select "Webcam", press the left soft key "OK" to make the phone enter the internet camera state.
4. Ensure that the connection of the PC is in good condition.
5. Start chatting with others through MSN or other chatting tools.

Features of internet video camera:

1. Support the plug-and-play function.

2. Automatic exposure.

3. Automatic gain control.

4. The video effect can be improved through adjusting the contents of the options of internet video camera on the PC, such as: brightness, contrast, color tone, saturation, sharpness, gamma, white balance, backlight contrast, etc.

NOTE: In the course of video chatting, the actual refresh rate is influenced by the speed of internet, it is not the problem of the phone.