SKYCELL ST88

GSM/GPRS Digital Mobile Phone

User's Guide

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1. The Basics

1.1. Introduction

Thank you for choosing the E880 colour screen GSM/GPRS digital mobile phone. After reading this guide you will be able to fully master the use of your E880 mobile phone and appreciate all its functions and ease of use.

E880 colour screen mobile phone is designed for use on the GSM/GPRS networks. Not only does the E880 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 E880 uses a personalized man-machine interface and the perfect functional design will satisfy all your needs.

The E880 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

■ 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.

■ 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.

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

- Set the PIN number of your mobile phone's SIM card and change this number immediately if it

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becomes known to a third party.
- Please keep the phone out of sight when leaving it in a vehicle. It is best to carry the phone with you, or locked in the trunk.

1.3 For Your Safety

For the efficient and safe operation of your wireless handheld mobile telephone, observe these guidelines.

1.3.1 General attention

■ 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.

■ 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.

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

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

■ Use only approved enhancements and batteries. Do not connect incompatible products.

■ 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

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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.

- To avoid the mobile phone malfunctioning, or catching fire, please do not violently impact, jolt or throw your mobile phone.
- 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.
- Please do not use your mobile phone near flammable or volatile gases, otherwise it could cause malfunctioning or fire.
- Please do not subject your mobile phone to high temperatures, high humidity or dusty places; otherwise this may lead to the malfunction of your mobile phone.
- To avoid your mobile phone falling and malfunctioning or being damaged, please do not place your phone on uneven or unstable surfaces.

1.3.2 Phone Safety

- Do not disassemble or modify the mobile phone, as it will lead to damage to the phone such as battery leakage or circuitry failure.
- 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.
- Under very rare circumstances using the mobile phone in certain model cars may negatively effect the internal electronic equipment. In order

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to assure your safety under such circumstances please do not use the mobile phone.

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

1.3.3 Battery Safety

- Do not disassemble or modify the battery, as this will cause the battery to leak, overheat, crack and catch fire.
- 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.
- Please do not put/throw batteries into a fire, as

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this will cause the battery to catch fire and explode.

- When installing the battery, do not use force or pressure, as this will cause the battery to leak, overheat, crack and catch fire.
- 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.
- Please do not solder the contact points of the battery, as this will cause the battery to leak, overheat, crack and catch fire.
- If the liquid in the batteries goes into the eyes, there is a risk of blindness. If this occurs do not rub the eyes, but immediately rinse eyes with clear water and go to the hospital for treatment.
- 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.
- If the battery overheats, changes colour, or becomes distorted during use, charging, or storage, please stop using and replace it with a new battery.
- 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.
- 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.
- Please do not let the battery become wet as this will cause the battery to overheat, smoke and corrode.
- 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.

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- Please do not continuously charge for more than 24 hours.
- The voltage range of the phone battery is 3.6 V - 4.2 V.

1.3.4 Charger Safety

- 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.
- It is forbidden to short circuit the charger, as this will cause electrical shock, smoking and damage to the charger.
- Please do not use the charger if the power cord is damaged, as this will cause fire or electrical shock.
- Please immediately clean any dust gathered on the electrical outlet.
- 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.
- 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.
- Please do not disassemble or modify the charger, as it will lead to bodily harm, electrical shock, fire or damage to the charger.
- 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.
- Please do not touch the charger with wet hands, as this will cause electrical shock.
- Do not modify or place heavy objects on the power cord, as this will cause electrical shock or fire.
- Before cleaning or carrying out maintenance please unplug the charger from the electrical outlet.
- When unplugging charger, do not pull on the cord, but rather hold on to the body of the charger, as

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pulling on the cord will damage the cord and lead to electrical shock or fire.

1.3.5 Cleaning and Maintenance

- 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.
- Use a soft, dry cloth to clean the mobile phone, battery and charger.
- Please do not use alcohol, thinner, benzene or other solvents to wipe the mobile phone.
- A dirty outlet will cause poor electrical contact, lose of power and even inability to recharge. Please clean regularly.

1.3.6 General Matters

Phone**:**
- Please use the mobile phone in the environment with a temperature between 5℃ ~ 40℃ and a humidity between 35% ~ 85%.
- 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:
- Please place the battery in a cool, shady and well-ventilated place out of direct sunlight
- 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.
- 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.

CAUTION :
RISK OF EXPLOSION IF BATTERY IS REPLACED BY

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AN INCORRECT TYPE DISPOSE OF USED
BATTERIES ACCORDING TO THE INSTRUCTIONS

Charger:

■ 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.

Attention: Please check the model of charger firstly before using with this mobile phone. This mobile phone is intended to use when supplied with power from STC-88.

Warning: Only use batteries, chargers, and enhancements approved by with the particular model. Using any other types of batteries, chargers and enhancements will invalidate the approval or warranty, and may be dangerous. Please check with your dealer for availability of approved enhancements. Please grasp and pull the plug, not the cord when you disconnect the power cord of any enhancement.

2. Before Use

2.1. Components Name and Explanation
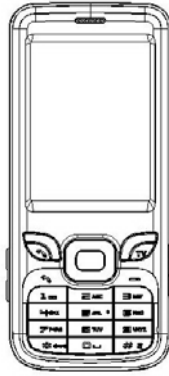
2.1.1. Technical Specification

Handset
Model   ST-88
Dimensions (w×h×t) 114.6mm ×50.4mm ×17mm
Weight   100g (with 1000mAh battery)
Lithium Battery
Model   STB-88
Nominal voltage   3.7V
Maximum Charge Voltage   4.2V
Capacity   1000mAh
Standby Time   50H-150H
Talk Time   3H-5H
Travel charger
Model   STC-88
Input   100~240V 50/60Hz 500mA

2.1.2. Introduction to Icons in standby

Icon	Description
	The more bars displayed, the better the signal strength
	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
	Battery Status
	You have missed calls
	Chat room is open
	Multi stopwatch is activated

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2.2. Key function

1. Navigation key:

（1）**Up key:** when editing, move the cursor with the direction of up;on standby mode, press the key to enter "camera".

（2）**Down key:** when editing, move the cursor with the direction of down;on standby mode, press the key to enter "Bluetooth".

（3）**Left key:** when editing, move the cursor with the direction of left;on standby mode, press the key to enter "write message".

（4）**Right key:** when editing, move the cursor with the direction of right;on standby mode, press the key to enter "calendar"

(5) OK key: Hold down this key, you can enter the picutre capturing submenu.

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

3. Dial key(Green): To dial and pickup calls from SIM A; on standby mode, to see the record of all calls made.

4. Dial key(Blue): To dial and pickup calls from SIM B; on

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standby mode, to see the record of all calls made.

5. Right upper key: To perform the function of the prompt displayed in lower right corner of the screen.

6. Left upper key: To perform the function of the prompt displayed in lower left corner of the screen.

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

8. TV Key: Long put this key. Enter into TV interface.

9. * Key: This key has different functions in different modes and menus.

10. # key:

In standby interface,hold down this key, you can enter into input method and change between Silent method and other methods.

! 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 Touch Screen function

This mobile phone supports touch screen function.

2.4 Battery

Installation the Battery

- Push the battery cover down and take it off;
- align it with metallic contact of the battery compartment. Clasp bottom of the battery into the battery compartment.
- 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.

2.5 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.
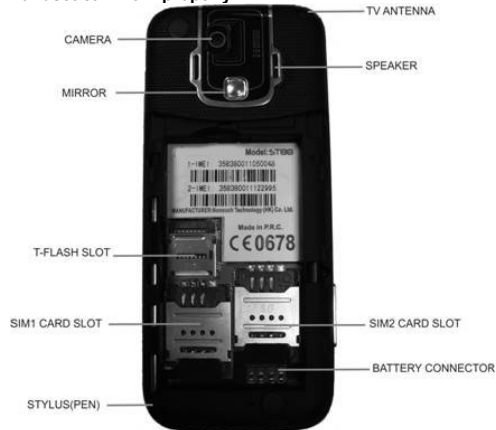
2.6 Link to network

2.6.1 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

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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).

To prevent losing or damaging the data stored on the card, you should avoid touching the metal area on the card and keep the SIM card in a place far away from electricity or magnets. Once the SIM card is damaged, you will be unable to enter the GSM/GPRS network.

Warning: Before removing the SIM card you must turn off the mobile phone. Do not insert or remove the SIM card while the phone is connected to an external power source, as the SIM card could be damaged.

2.6.2 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.

- Turn off the phone; remove the battery and unplug other external power sources.
- Insert the SIM card into the SIM slot as shown in the following picture.
- When you need to remove the SIM card, remove the SIM card as shown in the following picture.

2.6.3 Security Code

- **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.

- **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.

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

■ **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.

2.6.7 Dialing

When the mark of website supplier shows on the screen, you can dial or answer the call. Information bar on the up left corner shows the signal intensity. The quality of the call is greatly affected by the obstacle, so the call quality can be improved by moving around a little.

2.6.8 Dialing internal call

Input telephone number by number key and then press the dialing key. If the phone number need to be changed, please press the right soft key to delete the number. When dialing, the flash will be shown. After answering the call, the screen will show the on call state. If open the reminding voice function, the reminding voice will be heard(network support is needed)

Area code phone number   dialing key

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

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

2.6.9 Calling Fixed Line Extensions

Some fixed phone extensions cannot be called directly. You must first go through the switchboard before you can dial the extension. When you enter the telephone number, you may add the pause code "P" between the switchboard number and the extension number. This phone will automatically connect you with the extension. The "P" is entered by holding down the ✱ Key (at this time the screen will display the letter "P").

Area code   general phone number   P extension
number   dialing key

Example of using pause key
If you have voice box used by dialing in the number of 8880000, mail box number is 6666 and password is 8888, then you can dial the number in the following way:

8880000 P 6666 P 8888
The first part of the number is used for dialing to the voice mail box. After the phone is answered, then send 6666 to choose the mailbox.

After the password8888 is sent, the second pause punctuation will cause 5-second delay(the first P means waiting for the call being answered, and the following P 5-second-delay)

2.6.10 International calls

To make international call, long press * until "+"of international call is shown, which allows you to dial any call from any country when you don't know the prefix number.(for example, in china the prefix number is 00)

After input of prefix number, then input the country code and complete phone number. According to the rules, country code of Germany is 49. England is 44, Sweden is 46.

Similar to dialing international, when dialing, "0' in front of the city code should be deleted.

For example, if you want to dial service hotline from other countries, you should dial:

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+86 21 114 + country code   complete phone number
dial key

2.6.11 Dial the phones in the list

All the numbers you dialed and received are saved in one form of the mobile phone. The recent calls dialed and answered are in the front(please refer to phone record in section 3.9). Every number is classified as dialed call, answered call and missed call. Mobile also provides all the phone numbers for you to check. When the phones are full, the old numbers will be deleted automatically. To check the list the following key operation has to be made:

- Check dialed calls and press dial key
- All the numbers in the list can be directly dialed by dial key.

When the phone list appears, you can press confirmation key to check .After entering the choices, press save key to save the key in the phone book.

If you are in the network field(you can find it by checking the network signal in the left above corner).   You can dial the emergency service. If your network supplier doesn't provide rambling service, the screen will show "limited to EMERGENCY, which means that you can only make this kind of call. If you are in the field of the network, you can make emergency call even there is no SIM card.

2.6.12 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.

2.6.13 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 or click the "Answer" letter in the screen.

2.6.14 Call History

Your mobile phone can store records of the most recently

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missed, received, refused and dialled calls.
Tips: The incoming calls form number in the blacklist will be saved in the refused call.

3. Function Menu

3.1 Usage of Function menu

3.2 Structure of the Function Menu

The function menu has the following default structure:
1-1 Phone Book
    1-1-1 Quick Search
    1-1-2 Search entry
    1-1-3 Add New Entry
    1-1-4 Copy All
    1-1-5 Delete
    1-1-6 Caller Group
    1-1-7 Extra Number
    1-1-8 Settings
    1-1-9 Caller picture
    1-1-10 Caller ringtone
    1-1-11 Caller video
1-2 Messages

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3.3 Phone Book

You can use the phonebook function to save name card information such as names, groups, telephone numbers, personalized ring tones, pictures for incoming calls, Chat, email, and name card notes of important people. All you need to do is to press the **right soft key**, "**Phone Book**", directly enter the phonebook function.

Note: This mobile phone can save 500 telephone numbers. Different SIM cards store different amounts of numbers according to their memory size.

In **phonebook** main menu, you can see these functions such as:

■**Quick search:**To search for an entry in the phonebook by name.

■**Search Entry**: To search for an entry in the phonebook by name.

■**Add new Entry:** To add a new record to the phonebook. You

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can save the number in the "**SIM Card**" or the "**Phone**".

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

■**Delete**   select **from SIM or from phone** to delete all the entries in the mobile phone or SIM card phonebook. You can also select **one by one** to delete phonebook in turn.

■**Caller group** You telephone supports five caller groups. Select the group in the list. To view and edit the **caller group details**, including name, ring tone, picture, movie connecting edit.

■**Extra Number:** Extra Number saved in the SIM card. You can view and edit it.

■**Settings:**You can select from below:
- **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.
- **Preferred storage** Default or select when save number.
- **Fields**   To set the display content.

■**Caller picture Select** incoming photo from your file manger.

■**Caller ring tone**   You can select personalized ring tones from among the built-in ring tones or send music to profile via user.

■**Caller video** Select incoming movie from your file manger.

3.4 SMS

Select "message" menu to enter submenu.

This phone is equipped with short text message or commonly knows as SMS. Messaging is a Network Support feature and may be billed. Contact your service provider for more details on billing.

3.4.1 Write Message

Before create a SMS or MMS message please confirm that you have set the nos. of massage center.（See the section "Message Setting"）.

■   Enter the "**Write Message**" submenu and edit a SMS

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message by touch pen. (See Section 5"Input Method")
You can carry out the following operations on the current message.

- **Done:** After finishing your SMS message, you can use this option to select the following operations.
- **Use template :** To edit the new message with template.
- **Insert object:** To insert some objects into the message such as: picture, melody, animation to the MMS.
- **Format text:** In the submenu you can set the character form in the massage.
- **Insert phone number:** Insert phone number in the massage.
- **Insert phone book name:** Insert phone book name in the massage.
- **Input method:** To change the current input method.

■ After finishing your SMS message you can select "**Done**", then you can carry out the following operations: **"Send from SIM A", "send from SIM B", "save and send", "save", "send to many"** and **"send by group"** by touch pen or navigation key.

- **Send from SIM card A:** send the current message from the SIM card A.
- **Send from SIM card B:** send the current message from the SIM card B.
- **save and send:** to save the message, and send it to requited recipient(s).
- **save:** Saves the message to Outbox. You may send it later.
- **send to many:** send the current message to many person.
- **send by group:** select one group and send the message to everyone in the group.

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

3.4.2 Inbox

■ The new incoming messages including the SMS and MMS are saved in the "Inbox" folder. Enter the "**Inbox**"

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submenu. Your mobile phone will display a list of the messages in the "**Inbox**". Press the **touch key** or **Navigation 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:

Reply	To reply to the sender.
Delete	To delete the viewed message.
Edit	To edit the message
Forward	To forward the current message to other person.
Copy to phone	To save the current SMS from SIM card into mobile phone. Otherwise this option won't appear.
Copy to SIM	**to** save the current SMS from mobile phone into SIM card. Otherwise this option won't appear.
Move to phone	To move the massage to the SIM Card from handset.
Move to SIM	To move the massage to the handset from SIM Card.
Chat	you can use message to chat with the others by setting up a separately chatting room.
Copy all	Copy the massages from SIM Card or handset to another.
Move all	Move the massages from SIM Card or handset to another.
Use number	to extract the numbers in content of MMS and save them to phonebook or dial.

Outbox

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

Send	to send the current message.
Edit	to edit the current message.
Delete	to delete the current message.
Delete all	to delete all of the message in the outbox.

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Store to phone   to save the current SMS from SIM card into mobile phone. Otherwise this options won't appear.

Store on SIM   to save the current SMS from mobile phone into SIM card. Otherwise this option won't appear.

Move to phone   To move the massage to the SIM Card from handset.

Move to SIM   To move the massage to the handset from SIM Card.

Copy all   Copy the massages from SIM Card or handset to another.

Move all   Move the massages from SIM Card or handset to another.

Use number   to extract the numbers in content of MMS or in the phonebook and save them to phonebook or sent.

3.4.3 Template

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

3.4.4 Message Setting

Before using, you need to make necessary settings.

■   Enter the "**Message setting**" submenu;
-    **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.
-    **Common setting:** To set **delivery report** /**reply path** On or Off.
-    **Memory status:** To check the status of the SIM card and phone message inbox.
-    **Preferred storage:** Two places to storage: phone or SIM card.
-    **Pref. bearer:** To select massage deliver passage in the menu, you can select **prefer GPRS or prefer GSM**.

■   **Service Center:** The settings for service center of network operator. In the submenu of message settings,

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select any profile and edit the second settings, then press the left soft key to save the settings.

- **Delivery report**: When this function is set to On, the network informs you whether or not your message has been delivered.

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

3.5 MMS

- **Write message:** create a MMS message and the options are as follow: **receiver**, **CC**, **BCC**, **subject, content.**
- **Inbox:** New received MMS is saved in the **"Inbox"** folder.
  - **Open:** To browse the contents of the current message.
  - **Details:** To view detailed information of the current MMS
  - **Reply:** To reply MMS to the sender
  - **Reply to all:** To reply MMS to all sender
  - **Forward**: To edit the current MMS and send to the other recipients.
  - **Delete:** To delete the current.
  - **Delete All:** To delete all MMS in the **Inbox**.
- **Outbox:** Unsuccessfully sent MMS are saved in the "**Outbox**" folder.
  - **Open**: to browse the contents of the current message.
  - **Details:** To view detailed information of the current MMS
  - **Forward**: To edit the current MMS and send to the other recipients,
  - **Delete:** To delete the current MMS.
  - **Delete All:** To delete all MMS in the **Outbox**.
- **Drafts:** after edited, the MMS that are not ready to send out and is saved in this folder.
  - **Open**: To browse the contents of the current message.
  - **Details:** To view detailed information of the current MMS.
  - **Send:** To send the saved MMS.
  - **Edit:** To edit the current MMS.

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- **Delete:** To delete the current MMS.
- **Delete All:** To delete all MMS in the **Drafts**.

■ **Sent**: Send messages are saved in this folder, you can select the following three options to deal with the selected messages: View, Details of message and New message from the Template.

■ **Message settings:** You must make the necessary settings before you use the MMS functions.

- **Send:** To set **validity period, priority , delivery report ,read report, slide timing, deliver time.**
- **Retrieve setting:** To set the relative specification during the process of receiving such as: home network, roaming, read report, delivery report, etc.
- **Filter :** Set to filter message.
- **Server profile:** Select the service provider.
- **Memory status:** Check the statue of the MMS.
- **Preferred storage:** Two places to storage: phone or SIM card.

3.6 Chat

Tips: the B card can not support the function.

■ **Chat room info**: select a chat room and set "My nickname" and "Remote number".

■ **Start chat:** You can use message to chat with the other by setting up a separately chat room.

3.7 Voice Mail Server

Tips: the B card can not support the function.

The message you accept is left on the voice system of service network. If a message is left, you can access the message by visiting the voice mail system.

■ **Edit**: You can add and edit your voice mailbox number for the quickly usage of the voice mail.

■ **Connect to the voice**: to access the voice message. In your voice mail server.

3.8 Broadcast Message

Tips: the B card can not support the function.
■ receive **mode**: You can select "on" to enter receive mode, select "off" to reject receive broadcast messages
■ Read **message:** read the received Broadcast messages.
■ **Languages:** change the language
■ **Channel setting**: set the channel of broadcast messages.
Note: The network operators must support the "Broadcast Message" function for it to be available.

3.9 Call History

Missed calls
Enter the "**Missed Calls**" submenu and press the "**OK**" to view the missed call log list.
Dialed calls
Enter the "Dialed calls" submenu and press the "**OK**" to view the details of the record
Received calls
Enter the "**Received Calls**" submenu and you can view the details of the record by pressing the [**Ok**]. In the view screen, you can view **Last receive Date, Time, Number and Incoming call times.**
Delete call log
Enter the "Delete call log" submenu and you can delete **Missed Calls**, **Dialed Calls**, **Received Calls** records or **delete all**.
Call time
Enter the **Call Time** submenu and view last call time as well as respective accumulated call time of received calls, dialled calls and all calls.
■　　**Last Call Time**: Length of the last call.
■　　**Total Dialed:** Total length of all calls made since last reset.
■　　**Total Received**: Total length of all calls received since the last reset.
■　　**Reset All Time:** To reset the call timers

■　　**Call costs**
Enter the "**Call Costs**" submenu and view the cost of

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the last call, or of all calls.

- **Last Call Cost:** To check the cost of the last call.
- **Total Cost:** To check the cost of all calls.
- **Reset Cost:** Enter PIN2 and reset the call cost.
- **Max Cost:** Press the **left soft key "setting"** and input a limitation of the Max Cost.
- **Price Per Unit:** Press the **left soft key "setting"** and input a limitation of the price per unit.

Note: Your network operator must support the "**Call Costs**" function. You need to enter your PIN2 number to set the "**Cost Units**" and "**Max Cost**". Please contact your network provider to obtain this number.

SMS counter

In this submenu, you can view the number of **sent** and **received** SMS and you can click the icon "reset" on the left down part of the screen to reset the counter.

Sent: to view the number of **sent.**
Received: To view the number of received.

GPRS counter

GPRS Function is provided only to main SIM, Auxiliary SIM have only GSM function.

GPRS Function of Main SIM will be inactive when auxiliary SIM communicates with base station

Last Sent: to record the bytes of last sent.
Last Received: to record the bytes of last received.
All sent: to record the bytes of all sent.
All received: to record the bytes of all received.
Reset Counter: to reset the counter.

Your mobile phone supports Wireless Application Protocol (WAP) Services to access services like News, Weather Forecast and Flight Information, etc. These services are especially designed for mobile phones and maintained by WAP service providers.

Note: WAP is a network support feature using GPRS service. Please contact your service provider for instructions about how to use their service and settings.

3.10 Network

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3.10.1 WAP

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.

- **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.
- **Book marks:** You can make bookmark data in your phone and you can connect to the website directly.
- **Recent pages:** To view the page history of the explorer.
- **Enter address:** You can go to the site directly by inputting the URL.
- **Service inbox**: You can read the message from the service provider.
- **Settings:** To modify some settings of online function.
    1. **Edit profile:** To select the settings of service.
    2. **Browser options:** To set the specifications when browsering the internet including waiting time, show the picture.
    3. **Service messages settings:** To activate or deactivate the service messages.
    4. **Clear cache:** To clear the cache of the explorer.
    5. **Clear personal information:** To delete the personal information of the internet.
    6. **Trusted certificates:** To check or delete the authority details.

3.10.2 Data account

- **GSM** data:

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In this menu, you can set and edit the data account items as following:

- **Account name**   : To edit the name of the Data Account.
- **Number:** The dial connecting number of the current data account.
- **User name:** Default is wap.
- **Password:** Default is wap.
- **Line Type:** To select the type of data between **Analogue** and **ISDN.**
- **Speed:** To select the rate of WAP data transmission among 4.8Kbps, 9.6Kbps, 14.4Kbps.
- **DNS:** Address of DNS in WAP.

- **GPRS Data:**
This menu display the current WAP GPRS data account list, you can set and edit the data account items as following:

➢ **Account Name**: To edit the name of the data account.

➢ **APN**: Default is "blank".

➢ **User name**: The ID of APN server, default value is null.

➢ **Password**: The key to APN Server, default value is null.

Auth. Type: T To select from the two items of Normal & Secure to authorize your ID in WAP by pressing the left/right key.

3.11 Blue Tooth

In the Bluetooth submenu, the following options for you to carry out the relative setting of the Bluetooth service:
- **Power**   Press the left soft key to on/off the Bluetooth function.
- **Inquiry 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: 0000, the details please check the user manual of BT earphone), you can connect the handset with the

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apparatus successfully and make a call with BT earphone.

- 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:

Connect To connect the apparatus with handset and you can also connect the service of service recorder.

Disconnect To disconnect the connecting apparatus.

Device name To rename the apparatus.

Delete To delete the current record.

Delete All To delete all records.

Service record To show the service record of current apparatus.

Search new device To search new Bluetooth apparatus.

- Settings

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

Change Device Name You can rename the handset in Bluetooth connection.

Authentication Press the left soft key to on/off this function. When you set it on, it allows others Bluetooth apparatus connect the device.

Audio Path selects the audio path from "Leave in Phone" and "Forward to BT headset".

FTP settings Press the left soft key "OK" to enter the submenu: "Share Folder": Memory card or Handset/File Manager/folder. "Access right": freely save & read or read only.

- My Bluetooth To show the name of Bluetooth apparatus, Bluetooth apparatus add and supported service.

Files transmission: The sender and receiver's BT is active(the apparatus settings should be visible). When you open the selected file, and select options/transmit/forward to BT, then input the connected code to transmit. (the default connecting code is 0000).

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Playing Music: When you active the music player and connect the handset with BT earphone. In **my apparatus** submenu, please select the **Connect** to **forward the music player service** to the BT earphone and make sure the connection between handset and BT earphone is properly. Then you can listen to the music from the BT earphone.   If you want listen to the music from the handset, in **my apparatus** submenu, please select the **Disconnect** to disconnect **the music player remote control service**.

3.12 Fun & Games

Games: Two games for your relaxation: **Diamond city and connection.**
Game settings:
- Game audio: on or off.
- Game vibration: on or off.

Themes: There are three background color for your choice: Orange, Blue and Grey. When you select each option, you can preview the relative color and there are three options for your selection:
➢ **Activate:** To select the color or not.
➢ **Update period:** You can use all the background color one by one and change it at a certain period.
Set order: To set the order of background color.

3.13 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: Play, Details, Add to midi list, Renew playing list, or modify some settings to the audio player.
Play: To play the current audio file.
Details: To view the details of the current music file.
Add to midi list: To add the current music file into midi list of profile.
- **Touch key explanation:** Touching the symbol of + /- icon, you can adjust the volume of the music.
- ▶/ ‖   touching these two symbol to play and pause the audio.

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- ∎ Touching this symbol to stop playing the audio file and replay it.
- ⏮/⏭ Touching these two symbol to switch to the previous or next audio file
- **Renew the playing list**
- **Settings**: To set the relative spec for the audio player.
1. **Play List** Phone memory or T-flash card memory.
2. **List auto Gen**
3. **Repeat** Three options for your choice: **Off**, **Single**, **All**.
4. **Shuffle** For the play order, **On** to play at random, **Off** to play with the playing order.
5. **Background play** When you set this function On, you can play audio file in many menu
6. **Blue tooth 3D Stereo forward** Set **On/Off** to export Blue tooth 3D Stereo.
   BT earphone stereo output **On/Off** the BT earphone output.
7. **Blue tooth 3D Stereo earphone**
8. **Equalizer** To select the way of music equalizer.
9. **Energy display style:** To select style.
10. **Lyric show:** Set **On/Off** to display the lyric.

3.14 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, Forward, Rename, Delete, Delete All, Blue tooth setting** operation, **"Sort"** operation on the list and view the file storage position.

Tip: The default folder name for video player is Video in the handset memory and t-flash card.

3.15 Camera

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

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- **Camera Settings:** To adjust **Shutter Sound**, **EV**, **Banding, Delay Timer**, **Continuous shoot** settings**.** Select **[OK]** to activate the settings.
- **Image settings:** Including **Photo size** and **photo quality** adjustment.
- **White balance**: to set the balance of light.
- **Scene Mode**: To set the profile as **auto** or **night mode**.
- **Effect Settings:** To set special shot effect.
- **Add Frame:** To select a picture frame for the picture being taken.
- **Preferred storage:** Two places to storage: phone or SIM card.
- **Restore Default:** Press **[OK]** and select **Yes** to return to default settings.

Tip: In the camera view finder mode; pressing the short cut number keys consecutively can adjust the relative settings

3.16 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.

Touch the ◄ ► icon to adjust the brightness of the camera. Touch the ▲ ▼ icon to adjust the focus distance of the camera.

Press the "Options", you can perform the following operations:
- **To player**: To enter the video player submenu and play the video file taken by the camera.
- **Video Recorder Setting**: To set some spec of the video recorder.
- **Video setting**: Includes **Video quality, Size limit, Time limit, Record audio** and **Encode format** adjustment.
- **Effect setting:** To set special shot effect.
- **Preferred storage**: Phone memory or T-flash card memory.
- **Restore Default:** Press **[OK]** and select **Yes** to return to default settings.

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

3.17 Image Viewer

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

3.18   Multimedia

3.18.1 TV

Select "**TV**" submenu, then press the **left soft key** "**Option**" to enter TV interface and look on program.

When the program is playing, press the **left side key** to adjust volume; press the **left/right key** or touch " "/"" to change the channel; press the **up/down key** to adjust brightness; press the **#** key to activate silence; press the ***** key to play TV full screen.

Press the **left soft key** "**Option**" to operate as follows:

- **My Channel** can **play**, **Rename**, **Delete**, **Delete all** my channels.
- **Channel Search** to search the TV channel of receiver.
- **Channel List** can **play**, **Rename**, **Delete**, **Delete all** channels or **add to my channel**.
- **Area Setting** to select the area.
- **TV Picture** can view the picture from TV shotting.
- **Add to My Channel** to add to my channel.

Display Setting to turn **on** or **off the Signal Level Notification** and **Weak Signal Notification**.

3.18.2 Sound recorder

In this submenu, you can record the sound, press the "option" to carry out the following options:

- **Record** To record one new sound.
- **Play**   To play the selected record.
- **Append** To append new record to the selected file
- **Rename**   Edit the name of current sound record file.
- **Delete** Delete the selected file.

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- ● **Delete All**   Delete all files of the list.
- ● **Settings**   Set the File format

Forward To forward the selected sound recorder to User Profile and SMS.4.6.8

3.18.3 FM Radio

This ph 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:

－channel list

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

－manual

You can manually input the frequency of the program you like.

－Auto search

You can save the search channels.

－Settings

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

Tip: The performance might be affected indoor or in a shielded environment. However you could make it better by the following ways: Take the phone near a window; Adjust the earphone line; Search the programs manually.

3.18.4 E-Book

This function help you to read the TXT form files stored in your T flash Card. You need to copy the files to the folder eBook under [File manager]/"Phone Memory". Enter "ebook" menu, you can carry out the following operations: view, rename, delete, Order.

3.19 To do list

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

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3.20 Stopwatch:

Stopwatch: To carry out the function of record time.
- **Typical Stopwatch:**
Two options for your choice: **Split Timing** and **Lap Timing.** You can **start/pause** record the time by press **the left soft key**.
- △ **Split Timing:** After recording one period time and save it. It is suitable for the records less than 20 entries.
- △ **Lap Timing:** After recording one period and reset it zero. It is suitable for one entry record.
- △ **View record:** To check the records of the stopwatch.
- △ **Way Stopwatch:** Press the navigation keys to record the time of up/down/left/right key.

3.21 Extra

3.21.1 Units Converter

You can convert from one type of unit to another with this function. To convert a value:
- Select the weight or length options.
- Press the left or right navigation key and the type of conversion to be performed.
- Using the up and down navigation keys, move the cursor on the desired unit.
- Input the value to be converted and the press [Ok] to get the result.

3.21.2 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.

3.21.3 Incoming call show

Enter the phone number to display the information refer to the

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number.

3.22 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.

3.23 Calendar

Enter calendar submenu, the calendar will display on the screen and the current date marked with the special color background frame. You can press **navigation keys** to change date; contents of the journey will correspondingly renewed.

■ *Task list:*To enter **Task list** submenu, select **Adding** or **Option**, you can add new journey. Enter **Option** and select scroll to assign date and add new record. The journey can manage various missions in the work and life expediently, arranging and recording the item that you will do in the future.

■ *Jump to date*:Select Scroll to the assign date. To Input the date, press **[OK]**, the assign date will be displayed. There are different backgrounds for each month.

3.24 Shortcuts

In the submenu, you can select the relative function and menu speedly.

The handset will supply ten shortcuts. When you enter the relative submenu, you can carry out the following operations by pressing "OK" key: Add, Edit, Delete, Delete All etc. After your settings, press "OK" key to finish the settings.

Dedicated key:

There are four dedicated key for your selection: Up, Down, Left, Right. You can select the relative menu for shortcut. On standby, you can enter the menu by pressing the dedicated key directly.

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3.25. Settings

3.25.1 Pen calibration

To calibrate the touch screen of the phone for better accuracy

3.25.2 Phone set up

■ Time and Date**:**You can set time and date for your phone in the menu.
- **Home City:** Please select the city in the list.
- **Time/Date:** To set the current time and date.
- **Time/Date format:** To set the time format either **12** hour or **24** hour.

■ Schedule Power ON/OFF**:** The phone will power On/Off when the set time matches with real time.

■ Language: By default, your phone is set to English.

■ Preferred Input Methods**:** This menu allows you to set your preferred input method as default.

■ Display characteristic:
- **Wallpaper:** For this option, you can select an image not only from the **system**, but also from your **[file manage]** folder.
- **Screen saver:** To set the On/Off and waiting time for Screen Saver and the image for Screen Saver which you favorite. For this **option**, you can select an image not only from the **system**, but also from your **[file manage]** folder.
- **Power On display:** set the movie and image for Power On/Off Display.
- **Power Off display:** The same to Power On Display.
- **Show Date and Time:** Set **On/Off** to display the date and time.
- **Show owner number:** By Select **On,** the current owner number will be displayed.
- **Show operator name:** By Select **On,** the name of network operator will be displayed.

Tips: the SIM card B does not support the function.

■ Greeting Text: The Greeting Text menu allows you to display a greeting text on the idle screen, select the On/Off

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option to display the greeting text or not. You can edit and set the Greeting Text.

■ Speed Dial: You can activate and deactivate the speed dial in this menu. After selecting the phone book list for the relative number key, you can dial the list speedy by hold down the relative number key.

Tips: the B card can not support the function.

■ Dedicated key: In this submenu, you can change the shortcuts for the navigation keys (**Up, Down, Left, Right**).

■ Auto update of date and time**:** Set On/Off to update the date and time automatically.

■ Flight mode: In flight mode, all transmitting functions are turned OFF, which means you can't receive or make calls and SMS, etc. However, you can still access your phone book, games, camera, music and video files that don't require network access.

Tip: because there is not any new stipulation about the flight model from the aviation administration department. When you take the plan, Please obey the previous stipulation of "power off the handset". And normally at night, you can use this mode for saving power, because most of the power is exhausted on the signal transmission. And in this model, the signal is closed.

■ **Handwriting:** To select the writing speed and text color.

■ **Misc setting:** Set the **LCD backlight** brightness and time.

■ **Power saving mode:** Switch to the power saving mode.

3.25.3 Call set up

■ **Caller ID**:

Tips: the B card does not support the function.

- **System default:** Whether send the owner number or not during a call depends on the system default.
- **Hide number:** The recipient can not see the calling number.(need the support of network operator)
- **Send number:** The recipient can not see the calling number.

■ **Call waiting**: You can check the statue of the call

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waiting.
Tips: the B card can not support the function.
■ **Calls divert**:
Tips: the B card can not support the function.

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.

Enter the "**Call Diverting**" submenu. You can set calls to be diverted to a preset number under the following circumstances: "**All calls**", "**Not reachable**", "**No answer**", "**When busy**", "**All Data Calls**". When you have selected one of the above modes, you may carry out the following operations:

● **On**: Enter the phone number you wish to divert to.
● **Off**: To cancel the diversion service.
● **Status**: To view if this service has already been registered. Select **Cancel Diverting** to cancel the function.

■ *Call barring*:to bar the calling number.
- **Bar Outgoing:**bar the outgoing number.
- **Bar Incoming:** bar the incoming number.
- **Cancel All:** to cancel the entire bar. (Need input PIN2 code).
- **Reset password:** modify the password.

■ Line Switch**:** Two options: line1 or line2.
Tips: the B card can not support the function.
■ Call time reminder: You can set a reminder for a certain call time.
Tips: the B card can not support the function.
■ Call time display:To set the option On/Off to activate the function.
■ Auto redial:To set the option **On/Off** to activate or deactivate the function. Set On, the handset will redial when unreachable.
Tips: the B card can not support the function.
■ Closed user group: To close the function of group.
■ IP number: To set and select IP phone number. When you select one phone book and select the "IP dial" function, the handset will dial the phone number with the prefix

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of IP number.
- Black list: The phone number in this list will be forbidden to make a call.

3.25.4 Network Setup

Tips: the B card can not support the function.
- Network Selection:
  - **Automatic:** To search for the network provider automatically;
  - **Manual:** To search manually and select the network provider.
- Preferred Networks: The function allows you to edit the network you favourite.
- GPRS Connection: It will switch between **always** and **When needed.**

3.25.5 Security Setup

- **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.

- **Phone Lock**:
The Phone Lock can prevent the illegal use of your phone. Enter the phone lock submenu, to carry out the follow settings:
- Select **On** to enter the correct number to activate this function. User must enter the password each time they power On the phone.

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

! Tip: The default value of Phone Lock is 1122; please change it as soon as possible.

■ **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.

■ **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

! 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.

■ **Barred Dial:** This function supports barred the dial number. When the Barred Dial mode is enabled, the person using this phone cannot call to numbers in the barred dial list.

■ **Change Password**: To reset the code including the PIN, PIN2 and the handset code.

■   **Safety tracing function**: When the mobile phone is lost，once the SIM card is changed ,mobile phone will automatically send short messages to number set before hand . Then you can receive the information to know who is using your mobile phone now ,which can help you to find your mobile phone.

Note :password for entering the guarding-against-theft interface us 000000; the password can be alternated by the users..

1.   Number guarding against theft: input the trace number ,that is inputting the number of receiving the trace information

2.   Setup of guard against theft : you can choose the

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opening or closing, after choice ,the function of guarding against the safety is opened

3. Message firewall: the mobile phone support the message firewall, after opening the function, and set the filtering number, the short message from the number will be prevented.

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

3.25.6 Restore Factory Setting

The default value of Restore Factory Setting is:1122.

3.25.7 Sound effect

To set the balance of the sound in the music player, you can choose from 8 modes in the menu. You can select the **Restore Factory Default.**

3.26 User Profile

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

General
■ **Activate:**To activate the General profile.
■ **Customize:**To modify the setting options of the General profiles such as: **Ring tone, Volume, Alert Type, Ring Type, Extra Tone, Answer Mode.**
Meeting
The operations is the same as the **General** option.
Outdoor
The operation is the same as the **General** option.
Indoor
The operation is the same as the **General** option.
Headset
You can activate this mode when you insert one headset. The operation of this menu is the same as the **General** option.
Blue tooth
The operation will activate the BT earphone and activate the handset BT.

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3.27 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:

- Use the touch screen to enter the numbers you wish to calculate.
- Use the **Number keys** from **0** to **9** to enter the numbers you wish to enter.
- 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.

3.28 File manager

Enter the File manager menu; Press the **"option"** to carry out the following operation:

- **Open**: To display the files in the root.
- **New:** Select **[OK]** to create a new folder, and edit the name.
- **Format:** To format the Flash Card and delete the data stored.

3.29 Dual SIM Setting

■ **SIM B Auto:** To active or deactive the SIM B when power on. (eg: if you select the "On" options, when power on the handset, whether there is SIM card in the SIM card B slot or not, the handset will open the secondary SIM card.)

■ **Open/Close SIM B:** To active or deactive the function of SIM B. (eg: if you select "**close**", when power on, whether there is SIM card in the secondary slot or not, the SIM B will be closed. Then the handset can be used as one SIM card phone as usual.)

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3.30 Alarm

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

4. Input Method

This mobile phone supports Chinese and English input methods and number input..

Input functions are as follows：
-input and edit SMS
-input and edit phone book name
-look for phone name and number
-self input welcome works and mobile
-record and name of tool box

4.1 Keypad definition

The usual keypad definition is as follows, the detailed keypad definition under the detailed input method can refer to section 4.2.

Left key: refers to confirmation, right key refers to deleting a letter

#：transfer different input methods

*::transfer to mark input

Numbers(1-9) under English input state, means letters on each key.

4.2 Input Methods Introduction

4.2.1 English and number input:

Keypad of English and number input is defined as follows：

Key name	Corresponding letter and function	definition
Key 1	. , - ? ! ' @ : # $ / _ 1	
Key 2	ABCabc2	
Key 3	DEFdef3	
Key 4	GHIghi4	
Key5	JKLjkl5	
Key 6	MNOmno6	
Key7	PQRSpqrs7	
Key 8	TUVtuv8	
Key9	WXYZwxyz9	
Key 0	0 和 space	
*	press*，switch to punctuation input	
#	Switch input method	
Left direction key	Cursor goes left	
Right direction key	Marks goes right	
Left soft key	confirmation	

The usual order of operation for inputting English letter is as follows:

■ Each key is used for entering multiple characters. Rapidly press the key until the required character appears.

- Press # to switch input methods
- When you need to enter a space, in either the uppercase or lowercase input mode, press the number key 0 once.
- Press the right soft key to clear mistaken input

4.2.2 Hand writing method

It can be used when the function allows and written with touchpen. If the pen touches the middle point of the under part of screen, the input method can be switched. ABC represents uppercase input method; abc represents lowercase input;123 represents number input method; Using right soft key or touching "clear work", can clear the mistakes. The mobile phone supports continuous input.

5. T-flash card introduction

The mobile phone supports T-flash card to enlarge the memory. The operation is as follows:

5.1 Removal and installation of T-Flash card

T-flash card is under the battery. Install it into the mobile phone according to T-flash card mark; If you want to remove the T-flash card, please move the socket to the open position, and take them out.

Note: T-flash card can be used once installed. But under the standby state, after installing or removing T-flash card, please reset mobile phone to guarantee the normal use of the card.

Usually it is not advised to remove and install T-flash card.

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5.2 Use of T-flash card

As one of memorizers of the mobile phone, T-flash card is set as defaulted memorizer. It can be directly used without any setup.

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

Use of T-flash card as memorizer: when insert T-flash card for the first time, you need to set music player, video player, flash recorder, camera and recorder as memory card, then you can use the memory space and content of T-flash card.(The corresponding setup method has been mentioned in above functuions.)

Use of T-flash card as USB: after connected with USB, the data of the computer can be directly copied. The detailed use can refer to the use of USB.

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.**

6．Normal problems and solutions

Before requesting help from facilitator, please refer to the following troubleshooting techniques in advance in order to save time and charge.

FAQ & Symptom	Diagnosis & Solutions
The phone does not switch on	■ check whether you hold power key for more than 1 second; ■ Remove the battery to check whether it contacts well then reinstall it and try to switch on again; ■ Charge the battery if it is low.

The network connection is lost	■ Signal disturbed or blocked, please remove from radio shadow and retry; ■ You are outside the network coverage area; ■ SIM card invalidated, please contact your network operator.
The display shows "SIM failure" when you switch on	■ Check that the SIM card has been inserted in the right position. (see...error, ...bookmark, page...); ■ You have activate auto-lock options and should enter access code before use; ■ Enter PIN code for you have selected this option (if it's for the first time use, it request for the SIM card's accessary PIN code). ■ Enter PUK code: the mobile will be locked if you input wrong PUK code for 3 times, you should enter the PUK code provided by your network operator.
You feel making phone call in low quality (interfere noise during call or call interrupted)	■ Check the volume to ensure it to a proper level; ■ You are in a radio shallow (in a basement or between tall buildings). Please move on to better position. ■ You are in a busy time of the network service (in commuter time,etc.). Please wait.
Idle duration time shorten	■ Duration is sometimes related to network system setup. When in radio shallow, the mobile persists to send signals to find other stations and wastes much more battery charge. ***Replace the battery with a new one.***

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SIM card error (the display shows "Insert your SIM card")	■ There may be dirt on the metal surface of the card. Wipe with clean cloth; ■ The card has been inserted in the wrong position. Put it right. ■ Contact your network service supplier in case of damage to SIM card.
You cannot dail out.	■ Check for pressing of dial-out key after you have dialed phone numbers; ■ Check for any barring because of arrears. ■ Check SIM card for its effectiveness. ■ Check for the setup of call barring. ■ Check for the setup of dail fixation.
You cannot receive calls	■ Check to ensure the mobile is power on and connected with the network. ■ Check for any barring because of arrears. ■ Check SIM card for its effectiveness. ■ Check for the setup of call barring. ■ Check for the setup of dail fixation.
You cannot charge the battery	■ Bad contact, check the plug for good connection; ■ Charge the battery in the environment where the temperature is not lower than –10℃ or higher than 50℃. ■ The battery or the charger is damaged; replace it.
You cannot set some of the options	■ Operational mistake; ■ Your operator do not support the certain options, or you haven't apply for them.

If you fail to solve the problems with the above instructions, please write down the items below in advance:
■ your mobile phone's model and sequence number

- full content of the guarantee bill
- sharp narration of the problem

And then contact the local franchiser or the manufacturer's after service office.

RF Exposure Information

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types ST88 (FCC ID: XWGST88) 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 0.369 W/kg and when properly worn on the body is 1.585 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.

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

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

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

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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