

# **User Manual**

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# **1. Basic Information**

## **1.1 Introduction**

Thanks for choosing this Silder digital mobile phone. With this user manual, you can understand the operation of the mobile phone and enjoy its perfect function and simple operation.

This color screen mobile phone is designed for GSM/GPRS network. Besides basic messaging function, it also provides various practical functions, including dual SIM card, individual ring tone, SMS, MMS, Camera, Image viewer, Audio player, Video player, Horse race lamp, Sound recorder, FM radio, Alarm clock, Calculator, Schedule power on/off, Calendar, T-flash and GPRS network, to make your work and entertainment more convenient. In addition, the phone utilizes personalized human-computer interface and satisfies your different requirements with its perfect functions.

This color screen mobile phone accords with GSM/GPRS technical specification and is approved by domestic and international authoritative organizations.

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The contents are subject to changes without prior notice.

### **1.2 Safety precautions**

- If your mobile phone is lost or stolen, please inform local telecommunication department or distributor to disable the mobile phone and SIM card. It will prevent the economic loss caused by illegal operation.
- When you contact telecommunication department, they will ask you the IMEI number (It is printed on the label in the rear of the mobile phone and you will find it after removing the battery). Please write down this number and keep it properly for future use.
- To avoid illegal operation, please take the preventative measures, for example:
  - ◇ Set PIN code of the SIM card and modify in time.
  - ◇ Do not put the mobile phone at salient places before leaving your car. You'd better take it with you or lock it in the luggage.
  - ◇ Set call barring.

### **1.3 Safety warnings and precautions**

Please read these precautions carefully before using this mobile phone to ensure safe and correct operation.

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### 1.3.1 Precautions of using mobile phone

- Only approved battery and charger can be used. It may cause battery leakage, overheating, explosion and fire if you use other products.
- Do not impact, shock or throw the mobile phone to avoid fault and fire.
- Do not put the battery, mobile phone and charger in microwave oven or high pressure equipment, otherwise it may damage the circuit and cause fire.
- Do not use the mobile phone near places with inflammable and explosive gas; otherwise it may cause mobile phone fault and fire.
- Do not put the mobile phone at places with high temperature, humidity or much dust, otherwise it may cause fault.
- Put the mobile phone out of children's reach to avoid children taking it as a toy and getting hurt.
- Do not put the mobile phone on a surface that is not flat or stable to avoid fault or damage caused by falling.
- In places near fuels, chemical products or explosives, please follow the regulation and turn off your mobile phone.
- Please follow your local laws and regulations of using



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mobile phone when you are driving. If you need to use mobile phone when you are driving, please comply with these rules: Concentrate when you are driving; use the function of hands-free when your are conversing; if the condition of road is bad, please dial or answer a call after parking.

- Please turn off your mobile phone in airplane, hospital or other places where using mobile phone is prohibited. The mobile phone will affect the normal operation of electronic equipment and medical instrument. Please follow correlative regulations when you use mobile phone at these places. This mobile phone has schedule power on/off function. Please check the alarm clock setting to make sure the mobile phone won't be power on automatically in airplane.
- Do not use the mobile phone at places with weak signals or near high precision electronic equipment. The radio wave interference may cause misoperation and other problems of electronic equipment. Pay special attention when you are near the following equipment: hearing aid, pace maker and other medical electronic equipment, fire detector, auto door and other automatic control devices. Please consult the manufacturer or local distributor for the influence of

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mobile phone on pace maker and other medical electronic devices.

- Do not press the LCD screen hard or knock at other objects with it; otherwise the LCD board may be damaged and LCD liquid may leak. It may cause blindness if the liquid comes into eyes. Please use clean water to clean eyes immediately (do not knead your eyes) and go to see your doctor.
- Do not disassemble or refit the mobile phone, otherwise it may cause mobile phone damage, electricity leakage and circuit fault.
- Under few conditions, the mobile phone has negative effects on the electronic equipment when it is used in some models of cars. Do not use the mobile phone at this moment in order to guarantee your safety.
- Do not use needle, pen head or other sharp objects to press keys, otherwise it may damage the mobile phone or cause misoperation.
- Do not use the mobile phone if the antenna is damaged, otherwise it may hurt your body.
- Do not put the mobile phone too close to magnetic cards or other magnetic objects. The radiative wave of the mobile phone may eliminate the information saved in floppy disk, prepaid card and credit card.

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- Put the drawing pins and other small metal objects away from the headphone of the mobile phone. The loudspeaker is magnetic during working and will magnetize these small metal objects; it may hurt human body or damage the mobile phone thereby.
  - Do not make the mobile phone moistened; it may cause overheating, electricity leakage and fault if water or other liquids enter the mobile phone.

#### 1.3.2 Precautions of using battery

- Do not put the battery in fire; otherwise it may cause fire and explosion.
- Do not push by force when installing battery; otherwise it may cause liquid leakage, overheating, explosion and fire.
- Do not use electric wire, needle or other metal objects to short circuit the battery, and also do not put the battery together with necklace and other metal objects, otherwise it may cause liquid leakage, overheating, explosion and fire.
- Do not weld the battery ends, otherwise it may cause liquid leakage, overheat, explosion and fire.
- It may cause blindness if the battery liquid comes into eyes. Do not knead your eyes at this moment. Please use clean water to clean and go to see your doctor

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immediately.

- Do not disassemble or refit the battery, otherwise it may cause liquid leakage, overheating, explosion and fire.
- Do not use or put the battery near fire, heater or other places with high temperature, otherwise it may cause liquid leakage, overheating, explosion and fire.
- If the battery has temperature rising, discoloration, distortion or other abnormal phenomenon in the process of using, charging or storage, please stop using the battery and change a new one.
- It may burn your skin if the battery liquid contacts your skin or clothes. Please use clean water to clean and go to see your doctor immediately.
- If there is liquid leakage or abnormal smell from the battery, please take it away from fire to avoid from fire and explosion.
- Do not make the battery moistened; otherwise it may cause overheating, smoking and erosion of the battery.
- Do not use or put the battery at places where it is irradiated by sunshine directly or near car, otherwise it may cause liquid leakage and overheating, and debase its performance and shorten its service life.
- Do not charge continuously for more than 24 hours.

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### 1.3.3 Precautions of using charger

- Please use 220V AC power supply. It may cause electricity leakage, fire and damage the mobile phone and charger if you use other voltage.
- Charger short circuit is prohibited, otherwise it may cause electric shock, smoking and damage the charger.
- Do not use the charger if the power cord is damaged, otherwise it may cause fire and electric shock.
- Please clean the dust on the outlet in time.
- Do not put water container beside the charger to avoid overheating, electricity leakage and fault of the charger caused by splashed water.
- If the charger contacts water or other liquids, please cut off the power supply immediately to avoid overheating, fire, electric shock and charger fault.
- Do not disassemble or refit the charger, otherwise it may cause body hurt, electric shock, fire and damage the charger.
- Do not use the charger in bathroom or other place with high humidity, otherwise it may electric shock, fire and damage the charger.
- Do not touch the charger, power cord and outlet with wet hands; otherwise it may cause electric shock.
- Do not put heavy objects on the power cord or refit the

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power cord; otherwise it may cause electric shock and fire.

- Please pull out the plug from outlet before cleaning and maintenance.
- Please hold the charger when pulling out the plug or it may damage the power cord and cause electric shock and fire if you pull the power cord.

#### 1.3.4 Cleaning and maintenance

- The mobile phone, battery and charger are not waterproof. Do not use them in bathroom or other places with high humidity and also avoid being drenched with rain.
- Use soft cloth to clean the mobile phone, battery and charger.
- Do not use alcohol, diluents or benzene solution to clean the mobile phone.
- Outlet with dirt may cause bad contact and power off, and can't charge thereby. Please clean regularly.

#### 1.3.5 General

##### **Mobile phone:**

- Please use this mobile phone in the environment with temperature between 5°C and 40°C and humidity between 35% and 85%.

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- Try to use this mobile phone at places away from normal telephone, radio and OA equipment to avoid affecting the performance of these devices and mobile phone.

**Battery:**

- Put the battery at places with good ventilation and no direct sunshine irradiation.
- The service life of mobile phone battery is limited. The using time of battery will be shortened gradually after frequent charging. If the charging is invalid for several times, it indicates that the service life of the battery has reached its end and you need to change a new battery of appointed model.
- Do not drop used battery into common domestic refuse. Please follow local regulations if the disposal of used battery is stipulated clearly.

**Charger:**













- Do not charge at the following places: with direct sunshine irradiation; environment temperature lower than 5°C or higher than 40°C; with moisture, too much dust or vibration (may cause fault) radio or other electric apparatus (may affect video and audio quality).

## 2. Before Using

### 2.1 Parts name and description

#### 2.1.1 Icons

In the standby interface, the following icons may show up and their description is as follows:

Icons	Description
	Indicate the intensity of network signal.
	New message.
	GPRS is available.
	Alarm clock is set and activated.
	Earphone is inserted.
	General mode.
	Meeting mode.
	Outdoor mode.
	Bluetooth is opened.
	Keypad is locked.
	Indicate battery status.
	Showed the missed call.



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## **2.2 Keys description**

### **1. Number keys:**

Input numbers and characters; customize number keys 2-9 as the shortcuts of quick dial.

### **2. Right soft key:**

Execute the functions displayed in lower right corner of the screen. And you can use it to delete the anterior letter near the cursor which you have input in the message or exit the interface of editing when there is no letter in the message.

### **3. Left soft key:**

Execute the functions displayed in lower left corner of the screen. Press it into Main menu in the standby state.

### **4. Dial key**

Used to make a phone call by SIM1 or SIM2 and answer the telephone for SIM1 or SIM2; in standby state, adjust the record of the Dialed calls, the Received calls and the Missed calls.

### **5. Hang\_Up key:**

It is used to converse or refuse to the telephone; generally press this key to return to standby state under the other condition. Press and hold this key to open/close

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the mobile phone.

**6. Left/Right key:**

Move cursor to the left or right while editing; in standby state, press them to move the cursor among showing menus; in certain submenus, press the Left key to access selected menu and press the Right key to return to previous menu.

**7. Up/Down key:**

Press to browse names, telephone numbers, short messages, MMS, submenus and so on; move cursor up or down while editing.

**8. OK key:**

Pressing it to access the menu you have chosen. In the standby state.

**9. \* key:**

In standby state, press this key to input \*.

**10. # key:**

In standby state, press and hold this key to switch between Silent mode and the current profiles you have chosen.

**11. \$ key:**

in standby state, press and hold this key to switch between Meeting mode and the current profiles you have chosen.

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## **12. Space key:**

In standby state, press and hold this key to Turn on/off torch.

## **13. Fn key:**

Press to switch number and alphabet, alphabet and symbol; in standby state, press this key to access camera directly.

## **2.3 Battery**

The battery in original state has about 50% electricity quantity and you can use it after unpacking. It performs best after full charge/discharge for the first three times.

## **2.4 Charging the battery**

- Connect the power supply of charger.
- Insert the plug of the charger into the bottom of mobile phone (keep the surface with arrow upwards).
- If the mobile phone is power on when being charged, the electricity quantity indicator on upper right corner of the screen will be flashing circularly; if the mobile phone is power off when being charged, a charging indicator image will appear on the screen which indicates the battery is being charged. If the mobile phone is still used when battery is low, the charging

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indicator will appear after the charging has started for a while.

- When the charging is finished, there will be one image displayed on the screen which indicates that charging has finished. And if the mobile phone is power on, the battery status indicator on upper right corner of the screen is complete and won't flash. This course may cost 3-4 hours. It is normal that the battery, mobile phone and charger get hot in charging process.
- Disconnect the AC outlet from mobile phone and charger when the charging is finished.

**Note:**

- Use charger approved by manufacturer to charge at ventilated places with temperature between 5°C and 40°C. It may bring danger if you use unauthorized charger and you will also violate the warranty clause.
- Please charge the battery in time if the mobile phone is power off automatically or indicates "Low battery". If the electricity hasn't been run out before charging, the charging time will be shortened automatically.
- The standby and call time provided by manufacturer are based on ideal working environment. The working time of battery depends on network status, environment and operating method in practice.

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- Make sure the battery is installed properly before charging and you can't remove the battery in charging process.
  - Disconnect the charger from mobile phone and power supply after charging.
  - If you don't disconnect the charger from power supply and mobile phone, the mobile phone will be charged again after a long time (about 5 to 8 hours) and the energy of the battery is wasted to a certain degree. It is not recommended because it will do harm to the performance and service life of the battery.

## **2.5 Connecting to network**

### **2.5.1 SIM card**

You must insert at least one valid SIM card before using your mobile phone. SIM card is the key for you to access digital GSM/GPRS network.

All information about network connection and call initialization, as well as the names and telephone numbers of Contacts and short messages you have received and saved are recorded in the metal surface area of the SIM card. You can remove the SIM card from your mobile phone and insert it into any other GSM mobile phone (the new mobile phone will read the SIM card automatically).

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Do not touch the metal surface area and keep the SIM card away from electricity and magnetism to avoid losing or damaging the information saved in SIM card. You can't access GSM/GPRS network if the SIM card is damaged.

**Warning: Please switch off the mobile phone before removing SIM card. Inserting or removing SIM card with external power supply is prohibited, otherwise the SIM card may be damaged.**

#### 2.5.2 Installing/removing SIM card

The SIM card is usually stored in a card and you need to take it out carefully before installing.

- Turn off the mobile phone and remove battery and external power supply.
- Insert the SIM card into the slot.

**Notice: Please turn off the mobile phone and remove the battery before removing the SIM card.**

#### 2.5.3 Switching on/off

Press and hold the Hung\_Up key to switch on the mobile phone; to switch off the phone, also press this key.

If you switch on the mobile phone before inserting the SIM card, it prompts you to insert the SIM card. The mobile phone checks whether the SIM card is valid automatically after it is inserted.

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The following prompts appear on the screen in sequence when the mobile phone is just switching on:

- **Input phone password** –If the password of the phone has been set.
- **Input PIN**–If the SIM card password has been set.
- **Searching**–The mobile phone is searching for available network.
- **The function of the double card** –For the sake of convenience your usage, this cellular phone takes a pair of cards functions. You have to insert valid SIM card respectively inside two SIM cards of seats of card before using to relize this function. Open cellular phone it will appear the menu automatically.

#### 2.5.4 **Unlocking the SIM card**

By setting PIN (personal identification number) code of the SIM card, you can protect your SIM card from illegal operation. If this function is enabled, you need to enter the PIN code every time you switch on the mobile phone, and then you can unlock the SIM card and make or answer a call. You can diable this function, in this condition, the SIM card can not be protected from illegal operation.

- Press and hold the End key to switch on the phone.
- Enter PIN code, use **Right soft key** to clear wrong

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input and press **OK** to finish. For example, if the PIN is 1234, you can input 1234.

If you input invalid password for three times continuously, the SIM card will be locked and you need to input PUK code. Contact your network operator if you don't know PUK code.

**Note: Your network service provider will set a standard PIN code (4-8 digits) for your SIM card. Please change it with your private password as soon as possible. Refer to Chapter 3.9.6 “Security settings” for details.**

#### 2.5.5 Unlocking the phone

Phone lock can prevent your mobile phone from illegal operation. You need to input the PIN code as the phone password (when PIN code is enabled) every time when you switch on the mobile phone if this function is enabled, then, you can unlock the phone and make or answer calls. Users can disable this function (refer to Chapter 3.9.6 “Security settings”), in which condition the mobile phone can not be protected from illegal operation.

- Enter mobile phone password, press the Right soft key to clear wrong input and press OK to finish. For example: if the mobile phone password is 0000, you can enter 0000.



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If you have forgotten your mobile phone password, please contact your distributor or local authorized service center to unlock your mobile phone.

#### 2.5.6 Connecting to network

- The mobile phone will search for network automatically after the SIM card is decrypted successfully (display “Searching for network” on the screen). The name of network operator will appear in the center of the screen once get connected.

**Note: If there is prompt of “EMERGENCY” on the screen, it means that you are out of the normal coverage area (service area) of the network, but you can still make an emergency call according to the signal intensity.**

#### 2.5.7 Make a phone call

When the operator symbolize of the network appear in the screen, you can make or answer a phone call. The manifestation holds left top Cape of the information show network signal strength.

The converse quality is under the bigger influence of stumbling block, so you can raise converse quality effectively in the ambulation in the small scope.

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### 2.5.8 Stir to make local telephone call

Using the numerical key to input the telephone number, then press the Dial key to start calling. If you need change telephone number, please press Right soft key back to delete character list. The screen will show a moving picture when you are dialing the number. After the one you called hold the phone up there will be some information of the covering state; if you open the connecting hint sound, there will also be a hint sound (need network support).

After the converse is over please press the Hung\_Up key to hang up a telephone.

Area number Telephone number Stir number key

### 2.5.9 Dial the fix telephone extension

Some fixed telephone extensions can't dial directly, you need to dial switchboard first, then stir extension number. If you insert the letter "P" of the sign for pausing between the switchboard number and the extension number when you input telephone number, this machine will complete all stir number for you and stir to connect extension automatically. The method of inputting "P" is pressing and holding the \* key (the screen will show the letter "P" at this time).

The area number Switchboard number P Extension number the Dial key

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One example of character list for using the sign of the pause:

For example, if you have a voice box system using by dialing number in 8880000 numbers, mailbox number is 6666, password is 8888, you can stir these number as follows:

8880000 P 6666 P 8888

The first part of this number used for dialing a conversation for news box system.

After answering the call, it will send out 6666 to choose mailbox.

Before send the password 8888 out, the second pause sign will delay 5 seconds (the first P means waiting for connecting successfully, the later P means postpone of 5 seconds).

#### 2.5.10 Stir to make international call

If you want to make international call you can press and hold the \* key until the screen appears the prefix sign”+” of the international long-distance telephone, this will allow you to make a phone call from any other nation to the local contry before you know the local region prefix number of the international call (for example, it is 00 in China).

Input the telephone number that you have to stir the

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national area number of dozen and the integrity number immediately after input ex-prefix number. National area number according to usual practice, Germany is 49, England is 44, Sweden is 46 etc.

As similar as to make international call usually, you should throw away the number of "0" in the front of metropolitan district number while dialing.

For example, if you want to dial the hot line for service from other countries, you should stir:

+86 21 114

+The telephone number   Integrated National code  
Dial key

#### 2.5.11 Stir to make the telephone

Each of the telephone number that you dialed and received is existed in a list of your telephone, the recently dialed and received calls are on the top of the list (please pay respects to section 3.5"Call center").Each number is classified by already missed calls, dialed calls and received calls, the cellular phone also provides all telephone item to provide for you to look into all telephone records. After the telephone number list is full, the old number is deleted automatically. If you want to check the list, please carry on the operation as follows:

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- Please press the Dial key to check the records of Dialed calls, Received calls and Missed calls.
  - The telephone numbers that appear in the list can be dialed by stir the Dial key directly.

#### 2.5.12 Urgency call

If you are in a place that the network covers (you can know it by checking the intensity of the network signal on the upper left of the screen), you should call the urgency call. If your network supplier didn't provide the service of roaming in that region, the screen would show "limit urgent call (EMERGENCY)", telling you that you can only carry on that type of call. If you are in a place that the network covers, you can also carry on the urgency call even though you have no SIM card.

#### 2.5.13 Receive the telephone

If you have chosen On about Any key in the answer mode, you can press arbitrarily key to answer the call; otherwise you need press the Dial key to answer the call, or press the Left soft key to choose Answer and pressing the Left soft key again to answer the call. If the earphone has already been inserted, you can also use the button of the earphone to answer the call. If you press inconveniently, you can establish an automatic key and keep it open, and

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the earphone has been already put on, after flapping bell or vibrating 5s, the telephone will answer the call automatically.

#### 2.5.14 Call history

Your phone can keep the time of conversing about the latest call and the total time of conversing since you use the phone (Please pay respects to section 3.5"Call center").

#### 2.5.15 Call menu

While conversing, pressing the Right soft key to select Hands-free can enter the function of hands-free; pressing the Left soft key to access the option of conversing. The operation method of Option is the same as the operation of function menu.

This call menu can only be seen while conversing, and the function of Call waiting, Call divert, Call barring etc. need the network support, so please keep in touch with your network supplier.

In the call menu, you can carry on the operations as follows:

- **Hold single call**

Keep current conversation or recover the kept conversation.

- **End single call**

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Finish the conversation right now.

- **New call**  
Make a new call.
- **Main menu**  
Get into the Main menu.
- **Messaging**  
Get into the Messaging.
- **Sound recorder**  
Duplicate the sound of covering.
- **DTMF**  
Open or close this function.

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## 3. Function Menus

### 3.1 Using function menus

Scroll to search and select

- In standby state, press the Left soft key to access Main menu.
- In all menus and submenus, you can enter or exit the menu by pressing the Left soft key, the Right soft key and the direction key.
- Press the Left soft key to access corresponding menus.

Exit

Generally, you can press the Right soft key to return to the previous menu or press the Hang\_Up key to return in standby state.

### 3.2 Structure of function menus

Default structure of function menus:

1. File manager
2. Phonebook
3. Camera
4. Call center



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4.1. Call logs

4.2. Call settings

**5. Messaging**

5-1 Write message

5-2 Inbox

5-3 Drafts

5-4 Outbox

5-5 Send messages

5-6 Templates

5-7 Message settings

**6. Multimedia**

6-1 Image viewer

6-2 Video recorder

6-3 Video player

6-4 Audio player

6-5 Sound recorder

6-6 FM radio

**7. Organizer**

7-1 Torch

7-2 Calendar

7-3 Alarm

**8. Settings**

- 
- 8-1 Phone settings
  - 8-2 Dual SIM settings
  - 8-3 Network settings
  - 8-4 Security settings
  - 8-5 Connectivity
  - 8-6 Restore factory setting

**9. Profiles**

**10. Extras**

- 10-1 Calculator

**11. Service**

**12. Shortcuts**

**3.3 File manager**

Pressing the Left soft key to enter File manager. The default way for storing is T-Flash card. After inserting the T-Flash, there are two options you can choose: Phone, Memory card. Select one of them and you can see the contents as follows:

- Total: The total capability of Phone or Memory card.
- Free: The remainder capability of Phone or Memory card.

Entering Phone or Memory card and pressing the Left

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soft key to access the submenus.

- **Total:** It is the extended capability according to the -Flash card.
- **Audio:** The phone can play these formats of audio file:mp3/midi/amr/wav. The audio file can be set as User profiles.
- **Images:** The phone can view the format of image: BMP, GIF and JPG. They can be set as wallpaper or screen saver picture.
- **Videos:** The phone can play these format of video file:AVI、 3GP、 MP4.

### 3.4 Phonebook

You can use the function of the Phonebook to record many informations for important persons, such as Name, Number, Caller ringtone, Caller group and so on. Choosing the Phonebook from the main menu or press the Left soft key in standby state, you can get into the Phonebook.

When the cursor is at the station of Add new contact after accessing the Phonebook, press the Left soft key to enter the Options, you can see the submenus as follows:

- **Select:** You can choose the station of storage to SIM1, SIM2 or phone.

- 
- Phonebook settings: The function of setting the Phonebook. It is divided into eight tiny parts:
    - Preferred storage: Choose the priority position to store the contacts, including SIM1, SIM2, Phone and All.
    - Speed dial: Set the status of the Speed dial to on or off; view and edit the number which can be dialed quickly.
    - My number: Edit my number or send my number.
    - Extra number: Edit the other numbers which can be saved in the phone.
    - Save contact notify: If you choose On, the phone will notify you to save the current number when new number has been appeared.
    - Memory status: Check the storage status of the memory.
    - Copy contacts: Copy all contacts of the phone or the SIM card.
    - Move contacts: Move all contacts of the phone or the SIM card.
    - Delete all contacts: Delete all the records from SIM1, from SIM2 or from phone.

Accessing the Options when the cursor is at one of the contacts saved in your phonebook, you can see these

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submenus: View, Send text message, Send multimedia message, Call, dit, Delete, Copy, Move, Send contact, Add to Blacklist, Caller groups, Phonebook settings and print.

- **Add to Blacklist:** Add the selected number to blacklist and then the selected number can't call you successfully.

### **3.5 Camera**

Your cellphone provides the function of camera. Access Camera and you can take photograph directly by pressing the OK key. Press the camera shortcuts key again to enter:

- Switch to recorder: You can choose to recorder.
- Phones: Enter into the album and view the image.
- Camera settings: Set the related parameters of the camera.
- Image settings: Set the size and the quality of the image.
- White balance: Set the white balance such as Auto, Daylight, Fluorescent and Incandescent.
- Scene mode: Choose Auto or Night.
- Effect settings: Set the effect of camera.
- Storage: Choose the store place in the Phone or in the memory card.

- 
- Restore default: Set to return to the default settings.

## 3.6 Call Center

### 3.6.1 Call history

You can access SIM1 call history or SIM2 call history:

- **Missed calls:** pressing the assurance can look into the list of lost call.
- **Dialed calls:** pressing the assurance can look into the list of dialed call.
- **Received calls:** pressing the assurance can look into the list of received call.
- **Delete call logs:** There are four menus in deleting the call history of Missed calls, Dialed calls, Received calls and Delete all. The customer can choose clearing and vacating certain list of call history. If the customer chooses deleting all the call history, he will delete all the lists of the call history.
- **Call timers:** There are four submenus in the call time record, include the Last call, Dialed calls, Received calls and Received calls.
  - ◇ **Last call:** check the time of last call.
  - ◇ **Dialed calls:** check the total time of dialed

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numbers.

- ✧ **Received calls:** check the total time of received numbers.
- ✧ **Reset all:** clear out the data in the record and reset it.

In the interface of missed call, dialed call or received call, pressing the assurance key and enter one call record, you can select View to look into the detailed information of the record, including number and how many times you have called.

In the interface of call list or the detailed information, you can press the Left soft key to carry on operating the current telephone record as follows.

- **View:** View the current telephone record.
- **Call:** Dial this number.
- **Add to Blacklist:** Add the selected number to blacklist and then the selected number can't call you successfully.
- **Edit before call:** Editing that telephone number, you can carry on a SIM1 voice call, a SIM2 voice call or saving to Phonebook.
- **Delete:** Delete this record.

---

### 3.6.2 Call Settings

- SIM1 call settings/SIM2 call settings:
  - **Call waiting:** Open or close this function, choose query to check the current call waiting state.
  - **Call divert:**
    - ✧ Divert all voice calls: After open this function, any call to you will be transferred to the appointed number under any condition.
    - ✧ Divert if unreachable: After open this function, any call that cannot reach you directly will be transferred to the appointed number.
    - ✧ Divert if no answer: After open this function, any call to you that isn't replied directly will be transferred to the appointed number.
    - ✧ Divert if busy: After open this function, any call to you will be transferred to the appointed number when your cellphone is busy with other functions.
    - ✧ Divert all data calls: When the call shows numbers only, it can be transferred to the appointed number.
    - ✧ Cancel all divert: Cancel all the call transfers.
  - **Call barring:** restrict the numbers you dial or receive.
    - ✧ Outgoing calls: Restrict the numbers you dial.
    - ✧ Incoming calls: Restrict the numbers you receive.



- 
- ✧ Cancel all: Cancel the restriction you set (require inputting the password).
  - ✧ Change barring password: Modify the password.
  - **Line switching:** Switch the line between 1 and 2.
  - **Advance settings:**
    - **Black list:** Edit number or add the phonebook number, after open this function, the numbers of blacklist call you will be reject Automatically.
    - **Auto redial:** After open this function, every time the call fails or rejected it will dial the number again automatically.
    - **Call time reminder:**
      - ✧ Off: Close the function of Call time reminder.
      - ✧ Single: Select it and set the time, and then the phone will remind you when the covering time is just the time which you have set.
      - ✧ Periodic: Select it and set the time, for example, you have set it by 30s, then the phone will remind you every 30s when you are covering.
  - Auto call Record: Set it as On or Off, If you choose On,when the phone coming call,this function start
  - **Answer mode:** Set the calls answer moder, set any key and auto answer when headset mode;
  - **Auto call record:** After open this function, when you

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make a call, the content of the talking will be auto recorded and you can find the file in File manager.

### 3.7 Messaging

#### 3.7.1 Write message

##### ■ Text message

If you need messaging service, please press the direction keys to select Messages and access the message menu.

The message of network serves allows you to send out the short news to the other phone which can receive the short news.

Be sure you have established the SMS center number of service before writing new messages (Please pay respect to 3.4.6 "SMS settings").

Get into the submenu and select Write message to write a message. You can also insert some other messages by pressing the Left soft key when you are in Write message.

- **Input method:** It can change the method of importing while editorializing.
- **Insert template:** Insert pro-established short language used often into this short news.
- **Advanced:**
  - ◇ **Insert number:** Choose the record that is kept in

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the telephone book, press Up/Down soft key to choose the number you need, then press the Dial key can insert immediately.

✧ Insert name: Choose the record that is kept in the telephone book, press Up/Down soft key to choose the name that you need, press the Left soft key can insert immediately.

✧ Insert bookmark: Choose the record that is kept in the telephone, choose the bookmark that you need, then press Left soft key can insert immediately.

➤ Save to Drafts: Save the current editing message to Drafts.

After writing you can press the Left soft key and access the submenu of Send to. You can send the message after adding the recipient, selecting Send and choosing the SIM card.

### 3.7.2 Inbox

Look into the text message or the multimedia information which have been received.

### 3.7.3 Drafts

It is used to keep the MMS which you don't want to send out immediately after editing.

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#### 3.7.4 Outbox

It is used to keep the text message or the multimedia message which has sent out unsuccessfully.

#### 3.7.5 Sent messages

It is used to keep the text message or the multimedia message which has sent out successfully and saved.

#### 3.7.6 Templates

You can define some template of SMS by yourself or operate the default template in the phone.

#### 3.7.7 Message settings

##### ■ Text message

Enter SIM1 message settings or SIM1 message settings, you can choose Voicemail server or Common settings.

- **Profile settings:** Set profile name, the number of service center, validity period and the message type; activate the profile which you choose.
- **Voicemail server:** You can set the name and the number of the voicemail or call voicemail.
- **Common settings:**
  - ✧ **Delivery report:** Enable or disable report. If report is enabled, you can receive a report when the

- 
- message is sent successfully.
- ✧ **Reply path:** Select and set replying path. After setting, you can send SMS to service center periodically to reply (The service center of all SMS isn't set like this).
  - ✧ **Save sent message:** Open or Close the function of saving the message which is sent out.
  - **Memory status:** Display the space of SIM card and mobile phone.
  - **Preferred storage SIM:** Save messages in SIM card or mobile phone.
  - **Preferred connection:** Select the preferred network mode;
  - **Multimedia message:** Set up the peremeters of sending out or receiving about the MMS.
    - **Profiles:** Select data accout which you need and you can activate it, edit it or delete it.
    - **Common settings:**
      - **Compose:**
        - ✧ **Slide timing:** You can choose interval time while previewing each page of the multimedia message.Its acquiesces is 5 seconds.
        - ✧ **Creation mode:** Set up whether the editing mode of the multimedia message is restricted or not.

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- ✧ **Picture resizing:** Reducing the picture which is input in the multimedia message to be the size that you need, or you can also close this function.
  - ✧ **Auto signature:** Open or close the function that whether increase a signature or not while sending out the multimedia message.
  - ✧ **Signature:** Edit the signature which can be added after MMS automatically when open the function of auto signature.
  - **Sending:**
    - ✧ **Validity period:** You can set up how long time the multimedia message can stay in the multimedia message center: 1 hour, 6 hours, 12 hours, 1day, 1 week or Maximum. Among them, the Maximum, how long the multimedia message can stay in the phone, is decided by the multimedia message center.
    - ✧ **Delivery report:** You can choose on or Off. If select on, the system will send out confirmation information after receiver receives a multimedia message if the network allows.
    - ✧ **Read report:** You can choose On or Off. If select On, the system will send out the confirmation information after receiver read a multimedia

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message if the network allows.

- ✧ **Priority:** If the network allows, you can choose the grade of the priority to send out the multimedia message: Medium, High or Low.
- ✧ **Delivery time:** If the network allows, you can set up the time of sending out mode as Immediate, 1 hour later, 12 hours or 24 hours later.
- ✧ **Send and save:** After set it On, the phone will save the sending MMS automatically when it is sent out successfully.
- **Retrieval:** At this descends you can choose the mode of receiving the multimedia message is Immediate, Rejected or Delay while choosing the main network and the roam network. You can choose Send, Never send or On request to manage the function of reading report.
- **Preferred storage:** Set the preferred storage as Phone or Memory card.
- **Memory statas:** Look into the capacity of the multimedia message.

### 3.8 Multimedia

#### 3.8.1 Image viewer

Enter it and select the picture you need, then press the

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Left soft key to choose Options, you can see the submenus as follows:

- View: View the picture you have chosen.
- Image information: View the picture detailed information.
- Browse style: Select List style or Matrix style as the Browse style.
- Send: Transmit the appointed documents via Bluetooth or in the way as multimedia message.
- Use as: Use the current photo as wallpaper, screen saver picture or power on/off display..
- Rename: Change the name of the selected picture.
- Delete: Delete this picture.
- Sort by: Sort these images by Name, Type, Time, Size or none.
- Delete all files: Delete all the pictures showed in the
  - Storage: Select the station of storing.

### 3.8.2 Video recorder

Select [Video recorder] to get into the interface of recording directly, and then press the OK key to start recording video.

Press the Right/Left key can adjust the brightness of recording; press the Up/Down key can adjust the focal



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distance of recording.

Get into the following menus by pressing Options:

- **Camera select:** You can choose the back or front camera
- **Camcorder settings:** Choosing this menu to set up some parameters which related to the camera, including white balance, EV, night mode and anti-flicker, etc.
- **Video settings:** Set up the quality parameter of the video.
- **White balance:** Select the effect of white balance.
- **Effect settings:** Change the effect of recording by selecting grayscale, sepia, sepia green, sepia blue and so on.
- **Storage:** Choose the storage place as phone or memory card.
- **Restore default:** Restore the parameters as default.

**Note: In the interface of recording video, press the corresponding numerical key can carry on setting up the corresponding effect of the video.**

### 3.8.3 Video player

Enter it and select the Video document you need, then press the Left soft key to choose Options, you can see the

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submenus as follows:

- **Play:** Broadcasting the document that you have chose at present.
- **Send:** Send the current document as multimedia message or via Bluetooth.
- **Rename:** Change the name of the document that you have chose at present.
- **Delete:** Delete the document that you have chose at present.
- **Delete all files:** Delete all the documents at present.
- **Sort by:** Sorting the order of the archives (you can according to the name, the type, the time, the size or nothing).
- **Storage:** Look into the storing of position of the document. You can store it to your phone or memory card.

#### 3.8.4 Audio player

Choose the music player can get into the interface of Audio broadcasting. Press the music shortcuts key again to enter: Each key's function is as follows:

- The Up key: Press it and the state of the song will change between Play and Pause.
- The Down key: Make the song to return to the

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beginning time and stop playing.

- The Left key: Press it and then it will change the song to the previous one.
- The Left key: Press it and then it will change the song to the latter one.

Enter the List under the broadcasting interface, you can view the list of all songs. Selecting one of them and accessing Options, you can see the submenus as follows:

- Play: Play this song.
- Details: View the size and the total play time about this song.
- Add to ringtones: Add the current song to the ringtones.
- Refresh list: Renew the list of songs.

Settings: Choose the Pre. Playlist; Open or close some function about the audio player, such as List auto gen., Repeat, Shuffle, Background play and so on. If the list of broadcasting is empty, you can only see Refresh list and Settings directly when enter List.

### 3.8.5 Sound recorder

If you choose it, you can get into the state of sound-recording; choose the following options to get into:

- **New record:** Record a new sound-recording.

- 
- **List:** Get into the list to see the recorder documents which have recorded and saved.

Select one and enter the Options, you can operate it as follows:

- ✧ **Play:** Telecast the current sound-recording that you have chosen.
- ✧ **Append:** Attach a new paragraph in the current sound-recording that you have chosen.
- ✧ **Rename:** Change the name of the current sound-recording.
- ✧ **Delete:** Delete the current documents of the current sound-recording.

#### 3.8.6 FM Radio

This cellular phone provides the function of the radio. If you want to open it, you should first pull out TV antenna. In the interface of the radio, press the Up key can open or close the function of searching automatically. After opening this function, press the Left/right key can carry on the forward searching or the backward searching automatically, until search a channel. When you close the function of searching automatically, you can carry on searching by yourself. Press the the Left/right key will increase/reduce 0.1 HZ.

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Press the Down key can start/close the broadcasting of the broadcast. Get into the interface of the radio; press [options] can carry on the following operations:

- **Channels list:** Getting into this menu, it will show all the detailed list of channels that have been edited and kept in your phone. You can also add one channel or edit the channels.

**Manual input:** You can input the broadcast frequency that you want to hear by hand, it will broadcast

### **3.9 Organizer**

#### **3.9.1 Torch**

#### **3.9.2 Calendar**

Enter submenu Calendar and press OK to display the date. Press the Left/right key to select date and month.

Press Options to access the submenu:

- **Jump to date:** Go to appointed date from the current date of schedule.
- **Go to today:** Go to the date of today and show it.
- **Go to weekly view:** View the calendar by week.

#### **3.9.3 Alarm**

You can customize five alarm clocks in this mobile

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phone. Select an alarm clock to edit.

### 3.10 Settings

#### 3.10.1 Phone settings

- **Time and date:** set time and date.
  - **Set home city:** Select a city for the time setting of the mobile phone.
  - **Set time/date:** Set current time and date.
  - **Set format:** Set the display format of time and date.
- **Schedule power on/off:** Set the time at which the mobile phone will power on/off.
- **Language:** Set the displaying language of mobile phone menus.
- **Light:** Set horse race lamp effects and control switch on or off.
- **Behind Belt Light Setting:** Set the behind scrolling on special effects and control switch on or off.
- **Middle Belt Light Setting:** Set the navigation keys scrolling around the special effects and control switch on or off.
- **Breathing Lamp Setting:** Set the breathing lamp effects and control switch on or off.
- **Pref. input method:** Select the preferential input method for writing message, editing the text content of

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MMS, searching the contacts and so on.

■ **Display :**

- **Wallpaper:** Select standby interface wallpaper.
- **Screen saver:** Choose a screen saver picture for main standby interface and set waiting time.
- **Show data and time:** Choose to open or close the time it shows on the screen when the cellphone is open.
- **Show owner number:** Choose to open or close the function of showing owner number.

■ **Flight mode:** Set the standby mode, select normal or flight mode.

**URAT setup:** Select the URAT from SIM1 or SIM 2

### 3.10.2 Dual SIM settings

Choose one of them: Double SIM open, Only SIM1 open, Only SIM2 open or Flight mode.

### 3.10.3 Network settings

This menu has connection with the network supplier, so please get in touch with them when you use this function. If you want to get into one network which doesn't have the roaming protocol with the original network you have been in.

**SIM1 network settings/SIM2 network settings:**

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■ **Network selection:**

- **New search:** Start to find the network again.
- **Select network:** Select the network which you prefer.
- **Selection mode:** Press the Left soft key to choose Done or press the Hung\_Up key to exit the submenu.

■ **Preferred networks:** Pre-store several networks you prefer.

3.10.4 Security settings

■ SIM1 security setup/SIM2 security setup:

➤ **SIM lock:**

You can set security options in this menu to avoid illegal operation of the mobile phone or SIM card

- ✧ **PIN code:** PIN code can prevent you SIM card from illegal operation.
- ✧ If the PIN code is disabled, choose Enable and you can start PIN code protection. The mobile phone will ask you to enter PIN code the next time you turn on the phone. If the PIN code is enabled, choose Disable and you can stop PIN code protection. Choose Change PIN code and you can set new PIN code. Please input old PIN code, new PIN code and repeat new PIN code according to the prompt.



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**Note: If you enter invalid PIN code for three times consecutively, the SIM card will be locked and you need PUK code to unlock the SIM card. The PIN code and PUK code may be provided together with SIM card. Please contact your network operator if not. The default PIN code is 1234. Please change it into your own private password as soon as possible.**

➤ **Change password:** Change password, including PIN and PIN2 password.

■ **Phone lock:**

The phone lock can prevent your mobile phone from illegal operation.

Select phone lock to enable the protection, then, you need to enter the password when you switch on the phone; press again to disable phone lock.

**Note: The default phone lock password is 1122. Please change into your own private password as soon as possible.**

■ **Auto keypad lock:** Set the waiting time of keypad lock. After setting, the keypad will be locked automatically if the mobile phone hasn't been used in specified time.

**Note: Certain functions need network support.**

■ **Change password:** Change password of the phone

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lock.

### **3.10.5.Connectivity**

#### 3.10.5.1 Bluetooth

- **Power:** Select the option to open or close the function of Bluetooth.
- **Visibility:** Set the visibility of your Bluetooth as On or Off. If you select On, then the other Bluetooth devices can not find your Bluetooth even you have open it.
- **My device:** Following this, you can search new Bluetooth devices.
- **Search audio device:** With this, you can search the new handfree of Bluetooth devices (Bluetooth must be opened).Then enter password (password: 0000) to pair up. When connection is succeed, the Bluetooth name of device will display in the list. The difference between My device and Search audio divice is: the handfree of Bluetooth devices can only receive data, such as Bluetooth earphone; My devices can receive and send data, such as Bluetooth cell phone.
- **My name:** View or edit the name of your Bluetooth.
- **Advanced:**
  - **Aduio path:** Select the Audio path as Leave in phone or Forward to Bluetooth headset.

- 
- **Storage:** Set the storage position for the receiving documents via Bluetooth. You can select Phone, Memory card or Always ask.
  - **Sharing permission:** Set the sharing permission about your Bluetooth as Full control or Read only.
  - **My address:** You can know the address about your own bluetooth.

■ 3.10.6. Battery information

- 3.10.7. Restore factory settings: The default password of Restore factory settings is 0000.

### 3.11 User profiles

The user can choose different scene mode and self-define the scene mode. The mobile phone provides six kinds of scene modes: General, Meeting, Outdoor, Indoor, Headset and Bluetooth. You can choose to activate one of them or set it personally.

- **Activate:** Press the Left soft key to activate the mode you have chosen.

- **Customize:** Choose it to enter and you can self-define the general modes.

- **Tone settings:** Include set the tone of Incoming call, Alarm, Power on, Power off, Message and Keypad tone.

- 
- **Volume:** Pressing the -/+ key to adjust the volume of the Ringtone and the Key tone.
  - **Alert type:** Pressing the Up/Down key to select Ring only, Vib. Only, Vib. and ring or Vib. then ring.
  - **Ring type:** Pressing the Up/Down key to choose Single, Repeat or Ascending.
  - **Extra tone:** Pressing the Up/Down key and press the Left soft key to open or close the function of Warning, Error, Camp on and Connect.
  - **Answer mode:** Pressing the Up/Down key to open or close the function of answering with any key.

**Notice:**

- **The Headset mode and the Bluetooth mode don't have the menu of Activate. The Headset mode will open automatically while inserting headphones or use; the Bluetooth mode will open automatically while the earphone of Bluetooth is opened.**
- Advise you to set the User profiles as Meeting mode or Indoor mode when you are in public place.

### **3.12 extras**

#### **3.12.1 Calculator**

Your cell phone provides the function including four types of calculation at your convenience to carry on basic

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calculation.

Choose to enter this function, and it will show you the operation interface. Press the number keys to input the value you want convert.

Press # to input the decimal point (.).

Press the Up/down key or the Left/right key to carry on calculation about +, -,  $\times$ ,  $\div$

Press the Right soft key and you can clear the latest result by digital (If there is no input value, you will exit the calculation operation.); press the OK key to get the result .

Attention: Since the accuracy is limited, there will be rounding errors, especially when the numbers can not be divided completely.

### **3.13 service**

3.13.1 Facebook

3.13.2 Ebuddy

3.13.3 Internet service

3.13.4 STK

### **3.14 Shortcuts**

You can add or delete function in shortcut list, add the function you want access speedly.

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## 4 Input Methods

This mobile phone supports the input methods of English and available input methods, such as ABC, FR, Arabic, Eersian,Urdu,Nuneric, Insert symbol and so on.

### 4.1 Key definitions

The general definition of keypad is as follow. Please refer to Chapter 4.2 “Text input” for the keypad definition in specific input method.

**Left soft key:** Press to confirm;

**Right soft key:** Press to clear a character;

**Symbol key:** Input symbols;

**Number keys (0-9):** Input the letters on each key in Pinyin or English method.

### 4.2 Text input

#### 4.2.1 English and number input methods

The specific definition of keypad in English and number input methods:

To input English letters:

- Each key allows you to input more than one character.

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Press the key repeatedly and quickly until needed character appears. Input next character when the cursor moves.

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## 5 About T-flash Card

This mobile phone supports T-flash card memory extension. The operations are as follows:

### 5.1 Installing and removing T-flash card

1. Switch off the phone.
2. Remove the battery and the SIM cards.
3. Insert the memory card into the slot.

Please switch off the mobile phone before removing the memory card from the slot.

Generally, the installation and removing of T-flash card are not recommended.

### 5.2 Using T-flash card

T-flash card is configured as the default memory device of mobile phone before delivery. You needn't to perform any setting.

Use T-flash card as the memory device of mobile phone: when insert the T-flash card for the first time, you need to set memory card as default storage device of Music player.



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## 6 Troubleshooting

Refer to the following table to eliminate faults.

<b>Problem</b>	<b>Reason</b>	<b>Solution</b>
Bad receiving	Use the mobile phone in bad receiving area, for example, near tall building or in basement, the radio waves can't reach these areas effectively.	Try to avoid.
	<b>Using your phone during the intensive time.</b>	Try to avoid.
	Relate to the distance of base station.	Ask the network operator for service area map.

<b>Problem</b>	<b>Reason</b>	<b>Solution</b>
The standby time is shorter	The standby time is related to the system settings of the network.	Please switch off your phone temporarily if you are in the area with bad receiving effect.
	Need to change battery.	Change a new battery
	If the phone can not receive signal, it will transmit continuously to search for base station, with which it will consume a lot of battery and shorten the standby time.	Please move to area with strong signals or switch off the mobile phone <b>temporarily</b> .
Can't switch on	Battery is depleted.	Check the power of your battery or charge it.

<b>Problem</b>	<b>Reason</b>	<b>Solution</b>
Echo or noise	Due to the regional problems because of the disconnection or bad connection about the network.	Hang up and redial, the trunk lines may be replaced with a better one.
	Some phone lines are poor in some areas.	
SIM card appears error	SIM card is damaged.	Please contact your network operator.
	The SIM card hasn't been installed properly.	Make sure the SIM card is installed properly.
	There is dirt on the metal surface of the SIM card	Wipe the metal contacts of SIM card with clean cloth.
PIN appears error	Input invalid PIN code for three times.	Please contact your network operator.

<b>Problem</b>	<b>Reason</b>	<b>Solution</b>
Can't connect to network	SIM card is invalid.	Please contact your network operator.
	Beyond GSM service area.	Ask network operator for service area.
	Weak signal.	Move to a place with strong signal and try again.
Can't charge	Battery or charger is damaged.	Change the battery or charger.
	Charge in the environment with extreme temperature.	Change it in the normal charging environment.
	Bad contact.	Check whether the plug is connected properly.
Can not set certain functions	Your network operator doesn't provide these services or you haven't applied.	Please contact your network operator.

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## 8. FCC Statement

1. 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.

2. Changes or modifications not expressly approved by the party responsible for compliance 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 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.

SAR Information Statement

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. 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 to assure the safety of all persons, regardless of age and health. 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

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1.6 W/kg. \* Tests for SAR are conducted 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 antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 1.19W/Kg and when worn on the body, as described in this user guide, is 1.24W/Kg (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID: [WA61603](#) Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>. \* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

#### Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 15mm must be maintained between the user's body and the handset, 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. Use only the supplied or an approved antenna.