

1. Safety and Précautions

- Switch off the phone in the vicinity of chemical plants, gas stations and other locations containing explosive objects.
- Keep the phone away from children.
- Please switch off your phone as instructed where notices are present.
- Switch off the phone before boarding on plane and don't switch on the phone during flight.
- Please strictly confirm to your local legal regulations during a drive. When hands free function is available, please use the hands free calling device to ensure safety. Please park the car at the roadside for communication only if in emergency.
- Take special care when using the mobile phone in the vicinity of such devices as pacemakers, hearing aids and electro-medical equipments, which may be interfered by the mobile phone. When the phone is switched on, a minimum distance of 6 inches (15cm) shall be kept between the phone and pacemaker. When using other medical equipments, please consult the vendors of these equipments or doctors for relevant information.
- Never attempt to disassemble the phone by unauthorized persons. Contact the authorized service center in your region in case of any trouble with your mobile phone.
- Recharging the phone without battery being installed is prohibited.
- Charge the phone in well-ventilated environment, and keep it away from inflammable and high explosive objects.
- To avoid demagnetization, keep the handset away from magnetic substances such as magnetic discs or credit cards.
- Ensure to keep the handset away from liquid. Take the battery off and contact the authorized service center if the handset gets soaked or erosion can happen.
- Avoid using the phone in too high or too low temperature environments. Never expose the phone directly under sunlight or in high humidity or dusty environment.
- Do not use liquids or damp cloth with strong detergents to clean the handset.
- Avoid dropping, crashing or excessively squeezing the phone, or it may be subject to damages of different degrees.
- The company will not take any responsibility in the case of noncompliance with the above advices or improper use of the phone.
- Please send used li-ion batteries to specified locations or return them to our company. Do not dispose the batteries into dustbins.

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Content

1. Safety and Precautions.....	1
2. Phone layout.....	2
3. Specifications list.....	2
4. Essential Topics.....	3
5. Getting started.....	4

6. Basic operations	5
7. Using the menu	6
Enter the menu.....	6
Menu option list	7
Contact.....	7
Messages	8
Settings.....	9
Call logs	11
Organizer.....	11
Games	12
8. Operations of input methods	13
Appendix I Common fault diagnoses	13
Appendix II Abbreviations and explanations	13

2. Phone layout



Note: The phone's schematic diagram will not be exactly the same as the real one, which shall prevail!

3. Specifications list

Phone Type	CM100
Specification	
Dimensions	106mm×44mm×13.5mm
Weight	Approx. 63g
Screen display resolution	128×128
Card type	UIM

Applicable system	CDMA1X 800MHz
Contact capacity	Depend on the type of UIM card and 500 sets in the phone
SMS capacity	50 pieces for inbox and 50 pieces for outbox in mobile phone(Not including the UIM card)
Preset short message	10 preset short messages
Call records	20 each for missed, answered and dialed calls
Receiving call vibration	Support
Preset ringing tone type	10 ringing tones
Preset SMS tone type	6 tones
Language	English
Call time	Support
Date and time display	Support
Alarm/Calculator	Support
FM	Support
Receiving/Sending short message	Support
Input methods	Support
Speed dial	Support
Games	Support
Caller number display*	Support
Divert Calls*	Support
Call Waiting*	Support
Tourchlight	Support

Note: Functions or services marked with "*" require network or UIM card support.

4. Essential Topics

Communication control keys

The 'Call control' key is used for making a call (after a number has been entered); or for viewing recent call records.

The 'on/off' key is used for ending a call (during dialing and communication state), or for exiting menu under menu state to return to standby menu. Pressing and holding this key may switch on or off the phone.

Functional keys and soft keys

Direction keys of up, down, left and right direction are used for browsing menus, lists, options or content compiled.

Under standby state, the up-direction key is used as shortcut key for organizer; the down-direction key is used as shortcut key for contacts; the left-direction key is used as shortcut key for messages; the right-direction key is used as shortcut key for settings. Under standby state, the left soft key is a shortcut key for accessing main menu and the right soft key is a shortcut key for Contact. The functions of the two soft keys under other states are closely related to the phone's current state.

Under standby state, you can press and hold the key '#' to switch between ringing tone and silence; press and hold the key '*' to lock keypad.

Standard keypad

Keys from '0' to '9', and key '*' and '#' are used for dialing, inputting password, English letters, symbols etc.

Note: After the phone's standby interface maintains for period of time (time length is set by the user), the phone will turn off the backlight of the screen for the purpose of power saving. If the backlight of the screen goes out, you can press any key on the phone's keypad to turn on the backlight immediately.

Display icons

Under standby state, common icons on the first row of the screen are as follows :



Signal strength received by the antenna



Alarm clock








There is (are) unread message(s).



Battery level indicator (This icon indicates full battery).



Roaming

	Vibrate icon
	Ring icon
	Vibrate first then ring
	Mute Icon
	Keypad locked

Language and input methods

Languages supported by this phone are listed under the path [Settings]->[Display Setup] ->[Language].

This handset provides input methods as Multitap, EzText, Numbers and accustomed symbols input. Under editing status, you can press the key '#' to switch between input methods and press the key '*' to switch to symbol input method. For detailed operations please refer to relevant chapters of "Operation of Input Methods".

Short message alert modes

Four modes of 'Ring, Vibrate, Vibrate then ring, Off' are available for your selection under the path [Settings]->[phone setup] -> [Profiles], and then choose one alert mode->[Customize]->[Message Alert].

Call alert modes

This handset has four alert modes of Ring, Vibrate, Vibrate First Then Ring, off for your selection under the path [Settings]->[phone setup] -> [Profiles], and then choose one alert mode->[Customize]->[call alert].

Find contacts

This handset provides a way to search for phone number by first letter of a name. Under the contact name list (press the right soft key under standby state or press the key under main menu to get in), after inputting the first letter of a name to be searched for correctly, the screen will display all the fit records.

Interrelated descriptions

(International long-distance call)

press and hold 'o' until '+' displays and then key in district code, area code and the phone number.

(ESN)

Electronic Serial Number: Switch off the phone and take off the battery, you can see the barcode label of this ESN printed at the back of the phone.

5. Getting started

What's UIM card?

When registering your mobile phone number, you will have a UIM card (User Identity Module) provided by the network provider.

With the UIM card, which stores many parameters required for communications, you can use the various functions of the phone and store personal information, including PIN (Personal Identification Number), phonebook, short messages and other additional system services. Please handle the UIM card with care, twisting or pressing it may cause damage. If it is lost, please contact your network operator immediately for help.

Installing your UIM card

Switch off your phone before installing the UIM card. To install the UIM card at the back of the phone, follow the steps below:

1. Turn the phone over to the back, open the back cover and remove the battery by pushing up the battery. With the metal contacts of the UIM card downward and the unfilled corner against the one within the groove, insert the card into the groove from top to bottom.
2. After the card is inserted into the groove, insert the bottom of the battery into the fastening groove of the phone, and push it down till the metal contacts of the battery completely meet with battery connector in the phone, then push the cover back.

PIN code

It is Personal Identification Number used to access the UIM card. If PIN code protection function has been enabled, the screen will indicate 'Enter PIN:' when switched on. You must input correct PIN code at this time prior to using the phone.

You can get the PIN code while obtaining the UIM card from your network operator. Usually the PIN code is 4 digits. During input the PIN code, the screen will display '*' to substitute the input content to ensure confidentiality.

<Warning>: If you input wrong PIN code for three consecutive times, the UIM card will be locked. Please contact the network operator immediately for assistance of decoding. Attempt to decode the card by yourself may possibly cause the UIM card to fail permanently.

Charging your battery

- The battery used in the phone is rechargeable. New battery must be fully charged before it is used for the first time. Only after several times of charging and discharging can the battery's efficiency made the best of.
- To ensure the battery in optimal state, we recommend you discharge the battery fully at least once every month by consuming the power until the phone is switched off automatically.
- During the course of charging, it is normal to find the battery and the phone slightly heat-up. The phone will automatically protect itself when battery temperature rises so as to control temperature variation.
- The handset will give off alert as the battery is running out. When the power has run out the handset will be switched off automatically.

Note: Actual time of usage of the battery varies according to different operation modes and settings of network base station. If you use the phone when battery is rather low, the phone may switch off automatically. Please recharge in time.

Procedure for battery charging

- Connect the charger to a main socket, and insert the charging plug into the jack of the phone.
- At this time phone starts charging. The battery symbol will be gradually lengthened from right to left.
- You may choose to charge the battery under power-off or standby state. If the phone is charged under power-off state with UIM card inserted, it will be started and display the text of 'Charging'.
- When the battery is fully charged, charging operation stops automatically. The battery symbol on the screen will maintain full-grid. At this time please unplug the charging plug.

Note: 1. To ensure safety, neither change the parts and fittings of the battery by yourself nor take off the battery outer case.

2. Please use charger of original make. Using charger of your choice may cause your phone to damage.

6. Basic operations

Switching on

Pressing and holding the 'on/off' key in the standby state may switch on the phone. It will automatically search the network if the UIM card and the phone have no password protection. After the phone is registered in CDMA network, signal will be displayed at the top left corner of the screen. The phone is now in the standby state and you can make or answer a call.

Your phone remains in a searching state if it fails to find the available network system.

If a password or PIN code for the phone is required after it is switched on, please input the correct one, and '*' will be displayed on the screen as the content during the entry, then press the right soft key for confirmation. After unlocking, the phone will display the signal strength.

Switching off

To switch off the phone, please press and hold the 'on/off' key for 2 seconds and more in the standby state. When the phone displays prompt 'power off', the phone will switch off.

Note: If you switch off the phone directly by taking off the battery, some information to be stored in the UIM card and phone may possibly get lost, which may cause inconvenience.

Making a call

Under standby state, input number directly via the keypad. In case of international number, press '0' until '+' displays and then input the number completely. Then press the 'Call control' key to make the call.

If you want to make a call to the fixed telephone in other cities, please input long-distance area code.

During dialing, you can hear a ringing tone from the other party and after the call is connected, you can see a call timer on the screen. If the call fails, possible reasons would be:

- 'Line Busy' means the called party is busy or there is no available line in the network.
- 'Rejected' means this call is barred, or you have enabled call barring. Please check your network setting.
- If the called party's phone is power-off or out of service range that is unreachable, the network system will inform you.
- If the called party is in a conversation, please press the 'on/off' key and redial after a while.

If the dialed number is stored in the phonebook, then the name of the called party will be displayed on the screen.

To end a call, you can press the 'on/off' key. When a call is ended, the call timer stops and the text 'Call ends' is displayed on the screen.

Saving a number by dialing

You may save the other party's number with phonebook, or by dialing under standby state. The number saving procedure of the former method is described in details in communication phonebook menu. Specific steps for saving a number by dialing under standby state

are as follows:

- Input the other party's phone number under standby state.
- Press the left soft key. You may save this number as 'New' (the number is saved in the phone), to 'Existing' (add this number to an existing contact), save this number in the UIM card, search, let operation pause .

Adjusting the volume of earpiece

During a conversation, you may press the up and down-direction key to adjust the volume of earpiece.

Answering a call

- When a call is incoming, the phone will prompt you according to the incoming call prompt mode you have set. To answer a call, press the 'Call control' key to answer the call directly or any key (if 'Any Key Answer' is set on) to answer. To reject a call, press the 'on/off' key and the other party will hear a busy tone.
- If you have enabled the automatic answer function and the earphone is connected with the phone when a call is incoming, the phone will answer the call automatically after a certain period of time if you don't reject the call.If you have subscribed to the caller number identity service, then during the conversation caller number will be displayed on the screen. If this number is already saved in the phonebook, then caller's name will also be displayed on the screen.
- To end a conversation, press the 'on/off' key.

Note: If you have subscribed to the call diverts services, incoming call may be diverted to the specified number automatically

Silent start

When a call is incoming, 'Silence' will be displayed at the bottom of the main screen and your phone will prompt according to incoming call prompt mode. When ringing tone or vibration is enabled and you press left soft key to select silence, the program will turn off the ringing tone or vibration function to protect you against the interference of ringing tone or vibration.

Recent call numbers

This handset can store 60 recent call numbers. On standby screen, press the 'Call control' key to display recent call numbers. You can press the up and down-direction key to view the called numbers and press the 'Call control' key to directly dial the selected number.

Besides, you may access the call record menu to view the recent dialed-out numbers.

Missed call

If there is (are) missed call (s), 'Missed N Call(s)' will be displayed on the main screen. You can access the call record menu to view the record of the calls missed.

7. Using the menu

Enter the menu

Under the standby state, press the left soft key to access the main menu of the phone. Under the main menu interface, press the key '1—6' to access the corresponding 'Menu option list'.

The main menu have total 6 options, all menus of the phone have the function of text prompt for corresponding function. Each set of menu is further divided into multi-item sub-menu. Menu functions may let you set, check or change the phone's various functional settings to meet your personal requirements. Please refer to the following 'Menu option list' for selection of the functions you require.

- Press the direction keys to select from the menu. Press OK key or left soft key to confirm to enter the sub-menu list of the selected menu. Then press up and down-direction key to select and press the left soft key to confirm or enter into the lower-level menu.
- Press the right soft key to return to higher-level menu. Press the 'on/off' key to exit the menu directly and return to the standby screen.
- In editing state, the right soft key has deleting function. Press it once to delete one character and hold it to delete all the input characters.
- In options, 'On' or 'Activate' is to enable corresponding function and 'Off' or 'Cancel' is to disable corresponding function.

Menu option list

Option	Functions description		
messages	Text messages	Write message	The new message can be started with templates or The Last Written
		Inbox	Up to 50 pieces of messages can be stored in the phone.
		UIM	The number of messages that stored in the UIM card depends on its type.
		Outbox	Up to 50 pieces of messages can be stored.
		Delete messages	delete outbox, delete inbox, delete UIM, all messages
		Message setting	Storage location, Delivery report, select priority
	Memory status	Check the memory status of UIM card and the phone.	
Voice mail	Voice mail number, Voice mail box, Erase voice mail counting		
Contact	Detail		
	Search		
	Grouping view	Others, VIP, family, colleagues, Friends, personal, business	
	Delete		
	Add new	Phone, UIM	
	Copy/Move		
	Copy all		
	Edit	Edit name, Add number, Add E-Mail, Add URL, Select groups, Add notes	
	Memory status		
	Setting	Save Mode, View Mode, Set Lock	
Speed dial	Once		
Organizer	Calculator		
	Alarm	Alarm clock 1 ~ 3	
	FM		
Settings	Display setup	Wallpaper, Banner, Backlight time, Brightness.	
	Phone setup	Auto key guard, Profiles, Version	
	Call setup	Call Diverts, Call waiting (This function is related with Network services) any key answer, auto answer.	
	Security Settings	Phone lock	Password Request (Initial password is 1234), Change password
		PIN setting	PIN check, Change PIN
Call barring	Restrict outgoing, Restrict incoming		
Factory reset			
Call logs	Missed calls	Up to 20 missed calls can be displayed.	
	Received calls	Up to 20 received calls can be displayed.	
	Dialed calls	Up to 20 dialed calls can be displayed.	
	All call record	All call records call be displayed	
	Call Timers	Received calls, Dialed calls, Total airtime	
	Delete all	Delete missed calls, Delete received calls, Delete dialed calls, Delete all calls	
Games	Russian Tetris		

Note: This menu structure only lists the main menu of this phone and for detailed parts please see the phone's software.

Contact

Under the standby state, press the right soft key to access the contact. After accessing the phonebook, press up and down-direction key to browse records. When the cursor stops at a certain record, press the left soft key to access the menu of various operations for this record.

Detail

This submenu displays such detail of this record as name, number etc.

Search

This handset provides a way to search for phone number by name. After correctly inputting the name to be searched, press the left soft key and the screen will display the record you are searching for.

Add new

After accessing the Add menu, you may select to add a record to your phone or the UIM card.

Input name and number after selecting storage location to add the record. If you need to add other information to the record, you can do this in 'Edit' menu.

Grouping view

You can view the records in the phonebook by group.

Delete

Delete a current record of phonebook.

Edit

(Edit name): Edit the name of current record.

(Add number): Input number of the record. You can classify numbers as follows: preference Number, generic number, work number, home number, mobile number and Fax number.

(Add E-Mail): Input the email address of this record.

(Add URL): Input the personal homepage corresponding to this record.

(Select groups): You may classify the record into group. The phone provides 6 groups: VIP group, home group, work group, friends group, personal group and business group.

(Add notes): Input remark for this record.

Note: Upwards record is stored in the phone. When record is stored in the UIM card, the menu is different.

Copy/Move

If the current record is stored in the phone, it may be copied to the UIM card, or moved to the UIM card. If the current record is stored in the UIM card, it may be copied to the phone, or moved to the phone.

Copy All

(Copy to UIM): Copy all the records in the phone to UIM card.

(Copy to phone): Copy all the records in the UIM card to phone.

Memory status

Display the memory status of the phonebook in UIM card and the phone.

Setting

(Save mode): You can save the contact to UIM or phone by selecting 'Phone', 'UIM' or 'Select When Save'.

(View mode): You can view the contact by selecting 'UIM and Phone', 'Phone' or 'UIM'; the contact will display the corresponding mode.

(Set lock): When 'Set Lock' is enabled, you are required to input the correct password before accessing 'Contact' menu. You can set the password what you like (the initial password is 1234).


Speed dial

(Once): If a number in the Contact is set for a certain single-key dialing, pressing and holding this key may call this number. You can set one dial key from '1' to '9'.

Messages

Message function is a network service. You may be required to subscribe to the service from your network operator prior to sending and receiving short messages. Under standby status, you can use the up-direction key to access the short message menu.

A message is sent to the messages center of the network, then to the targeted user by the network. If the targeted user does not switch on his phone, the network will store the message temporarily.

When the phone receives a new short message, you will be prompted according to setting and the icon  will appear at the top of the main screen to indicate unread short message.

Press the up and down-direction key in the message list interface to browse then press OK key. Press the up and down-direction key to scroll over pages.

Text Messages

Write Message

You can send the message to one or more users specified, as well as save it to outbox. This phone provides the following 3 short message editing modes:

- New: Select the input method you required to edit your short message.
- Templates: 10 commonly used short messages are available for selection.
- The Last written: Continue to edit the recently edited short message.

Inbox

It is used for reading short messages received. In the inbox, the phone can store up to 50 short messages. You may press up and down-direction key to browse the short message list. Press the left and right-direction key to scroll over the list. Under short message reading state the following options are available. You may perform different operations according to your own requirements.

- Delete: Delete the short message you are currently reading.
- Reply: Reply the short message you are currently reading.
- Forward: Forward the short message you are currently reading to others.
- Call Sender: Call the number of the short message.
- IP call: use the IP number to dial the parties' number.
- Move to UIM: move the message to UIM card.
- Save Number: Save the number of the short message to the phone or UIM.

UIM

It is used for storing the short message that received.

Outbox

It is used for storing the short messages you have saved or sent. It can store up to 50 short messages.

Clear Messages

- Clear outbox: Delete all short messages stored in the outbox.
- Clear Inbox: Delete all short messages in the inbox in the phone.
- Clear UIM: Delete all short messages in the UIM card.
- Clear all messages: Delete all short messages stored in the outbox, UIM card and inbox.

Message Settings

- Storage Location: Save the received short message to the phone or UIM card.
- Delivery ack: This is a message sending receipt. It's used for indicating whether the message is sent successfully or not.
- Priority: To set the message to be sent as urgent or normal.

Check Capacity

It is used for viewing the number of various kinds of existing messages in the phone and UIM card and the maximum number of storage.

Voice Messages

Call Voice Mailbox: Call the voicemail number that has been set.

Voice Mail Number: Display the voicemail number you have set. You may also modify this number.

Erase voicemail counting: Delete the voicemail messages that received.

Torchlight

Press and hold upper scroll key to activate and deactivate the torchlight function from the phone.

Settings

Display Setup

(Wallpaper): After starting up to idle, display this picture as background.

(Banner): After switching on, the phone will display this banner on the screen. You may input the greetings you like.

(Backlight Time): This option provides you different time periods for your selection as the backlight duration time. The screen closes the backlight automatically when time is out. The phone has 'Always on', '10 seconds', '30 seconds', '50 second' four choices.

(Brightness): You could choose different brightness type of the LCD backlight by pressing the direction key.

Phone Setup

(Auto Key Guard): Keypad can't be automatically locked if 'Off' is selected. Otherwise, after the time selected, for example 30 seconds, 2 minutes or 5 minutes as your option, keypad will be automatically locked without any key's operation. During the time of key guard, you can also answer the incoming call and the keypad will be locked till user press '123' successively.

(Profiles)

Here you can set different profiles according to your requirements. You have five choices: Normal, Silent, Meeting, Outdoor, In Car

- Activate: Set to be current active profile.
 - Customize: To edit sound properties of current profile.
 - Ring tone: the ring for the incoming call. 10 ring tone for choices
 - Message tone: the ring for the incoming messages. 6 ring tone for choices.
 - Alarm tone: 10 ring tone for choices when you set the alarm clock.
 - Call alert: set the prompt mode of coming call alert. Off, ring, vibrate, vibrate then ring.
 - Message alert: set the prompt mode of coming message alert. Off, ring, vibrate, vibrate then ring.
 - Missed call alert: set the prompt mode of miss call alert. Off, ring, vibrate, vibrate then ring.
 - 50 seconds alert: if you activate the function, during a conversation, it will give a "ting" tone when there are 10 seconds to one minute.
 - Volume: set the volumes of ring tone, voice, key tone.
 - Resume default: Resume default values to those sound properties of current profile.
- (Version): view the software's version.

Call Setup

- Call diverts: Divert Calls is an additional service of the network, which may divert incoming calls that meet requirements to other number specified. Users must subscribe to this service from your network operator prior to the following operations.
 - ◇ Immediately: when someone is calling you, it will divert to the number you have set before.
 - ◇ Busy: When somebody is calling you and you are in a conversation, it will divert.
 - ◇ No Answer: When someone is calling you and you did not answer the call, it will divert.
 - ◇ No answer or busy: when someone is calling you and you are busy or no answer, it will divert.
 - ◇ To voicemail immediately: when someone is calling you, it will divert to the voicemail immediately.
 - ◇ To voicemail when busy or no answer: when someone is calling you and you are busy or no answer, it will divert to the voicemail
- Call Waiting: If call waiting function is enabled, when someone is making a call to your phone and you are in a conversation, the third party will be kept hold.

Note: when you are having a conversation and if the other party is calling you, press 'call control' key to switch between the two parties for conversation.

Note: the functions of diverting calls and call waiting must supported by the local operator.

(Any Key Answer): If Any Key Answer is set 'On', when a call is incoming, user can press any key to answer the call.

(Auto Answer): You can set automatic answer 'Off', '5 Seconds' or '10 Seconds'. When a call is incoming and your phone is connected with the earphone and you did not perform any operations, the phone will answer the call automatically according to the time you set.

Security setup

You must input correct phone password before accessing Security setup menu. The initial password is 1234.

(Phone Lock)

- Password request: If 'Password request' is set on, from then on the system will prompt you to enter the phone's password when switched on and only when the password is correctly entered can you use the phone.
- Change Password: Change the phone's password via this option. Enter the same new password twice and press the left soft key to confirm. The new password will become effective. During this course you may press the right soft key to discard the change at any time and return to higher-level menu.

(PIN Setting)

PIN code is a security password to protect the UIM card, which is provided by the network operator. You must take good care of it and not disclose it. You may set the PIN code verification on to prevent illegal user to use your UIM card. You may also change the PIN code.

- PIN Check: If 'PIN Check' is set on, from then on the system will prompt you to enter the phone's password when switched on and only when the password is correctly entered can you use the phone.
- Change PIN: Change the phone's PIN code via this option. Enter the new PIN code twice and press the key left soft key to confirm. The new PIN code will become effective. During this course you may press the right soft key to discard the change at any time and return to higher-level menu.

Note: In order to protect your benefits, if the PIN code is entered incorrectly for three consecutive times, the UIM will be locked. At this time the card will not work normally. Only after the PUK code provided by the network provider entered can the PIN code decoded.

(Call Barrings)

You may restrict calling range via call barring function.

Restrict Outgoing: If the function is enabled, you will not be able to call the numbers in the user group you selected.

Restrict Incoming: If 'Restrict Incoming' is enabled, you will not be able to receive the numbers in the user group you selected.

(Factory reset)

This function is used for restoring to the default factory settings.

Call logs

Missed calls

If there is (are) missed call (s), a prompt 'Missed N Call(s)' will be displayed on the standby screen. At this time you can view the detailed information of the missed calls in the 'recent calls /missed calls' menu. Each record contains number or name (if number is already in the phonebook), date, time etc. Press the up and down-direction key to view the information of other missed calls. Press the 'Call control' key to dial out this number and press the right soft key to return to higher-level menu. Missed calls are divided into the following two situations:

1. If the number is not stored in the phone or UIM card, the phone number will be displayed in the missed call list. Select one of the numbers and press the left soft key to access the sub-menu of this missed call, which has the following 5 items:

- VoIP: use the VoIP number to dial the missed call.
- Save To New Location: Save this missed call number as a new record to the phone.
- Save To UIM: Save this missed call number to the UIM card.
- Save To Existing Location: Save this missed call number to an existing record.
- Send Message: Send short message to this missed call number.
- Delete: Delete this missed call number record.

2. If this number is already stored in the phone or UIM card, the caller's name will be displayed in the missed call list. Select one of the names and press the left soft key to access the sub-menu of this missed call, which has the following 3 functions: VoIP, Send message and Delete entry.

Received calls

Save 20 recent received calls automatically. Functional operation and display mode is the same as those of missed calls.

Dialed calls

Save 20 recent dialed calls automatically. Functional operation and display mode is the same as those of missed calls.

All call record

Save all recent records automatically. The capacity is 60 entries.

Call timers

(Received calls): Totalize all received calls time since the timer was reset last time.

(Dialed calls): Totalize all dialed calls time since the timer was reset last time.

(Total airtime): Totalize all dialed calls time since the timer was reset last time.

Delete all

(Delete missed records): Delete all records of missed calls.

(Delete received records): Delete all records of received calls.

(Delete dialed records): Delete all records of dialed calls.

(Delete all): Delete all records of recent calls.

Organizer

Alarm

You may set 3 alarm clocks as required.

Operation tips:

- Press the up and down-direction key in the tools main menu and select alarm. Press the left soft key to access the alarm list.
- Press the up and down-direction key to select one of the alarms and press the left soft key to access the alarm setting.
- Press the left and right-direction key in the alarm clock setting interface to select alarm clock setting content. You may set the alarm clock's State, Time, Mode and Prompt.
- When you have selected state, press the up and down-direction key to select 'open' or 'close'; when you have selected time, you can input the time directly; when you have selected mode, press the up and down-direction key to select the mode of the alarm.

Calculator

Calculator can perform four fundamental operations (plus, minus, multiply, divide). Use 0-9 keys to input a value. Press the key "*" to

input minus symbol. Press direction keys to select one of the four operations: plus, minus, multiply and divide. Press numeric keys or symbol keys to input the second operation value and then select equal mark or navigation key. The result will be displayed on the screen.

Radio FM

Auto tuning: Search the channel programs automatically. Press the left/right direction key to search, and it will stop tuning when the receiving channel been searched.

Channel list: Display the searching channels list or save the channels you have entered.

Manual tuning: Tuning the frequency yourself. Using left/right direction key for operations.

Radio off: Turn the radio on/off.

Set frequency: Enter the channel frequency yourself; it will be saved in channel list.

Switch to louder speaker/switch to headset: Switch the playing mode to speaker or using earphone.

Set volume: set the volume of FM radio. You can press up/down key to adjusting volume under the FM playing interface.

Games

This handset provides one ultra-large screen fully-graphical games: Russian Tetris. Here, you can enjoy a pleasant sensation brought by the games relaxed.

Select Games from the main menu or press left-direction key under the standby state and press the left soft key to access the game list. Press the left soft key to confirm. When the game interface and description of the selected game appear, press the left soft key again to start the game.

1. **Game rules:** It has 7 different squares. There are total 3 levels, 'Easy' 'Hard' 'Very hard', corresponding to different falling speeds. Default speed is 0, 500 score for speedup 1. When the speed is up to 8 or 16, you could choose to enter next difficult level.
2. **Help:** You can adjust the direction of falling square and move it to the right or to the left to put it in proper position. Key * to pause or to restore the game; Key up-direction or Key 2 to adjust the square direction; Key left-direction or 4 to move the square left; Key right-direction or 6 to move the square right; Key down-direction or 8 to accelerate the falling speed.

8. Operations of input methods

This handset supports full English. You can set the language under the path [Settings]->[Display Setup]->[Language]. Input methods can be applied to many text input areas such as short message input name in the phonebook, standby greetings etc. This handset provides the following input methods: EzText, Multitap and Numbers. Under editing status, press the key '#' to switch between these input methods, press the key '*' to enter into symbol input interface.

EzText input method

EzText input method is used for inputting English. The system will give the most possible word you require according to your key strokes, which is for your convenient use.

Application case:

If you want to input 'all', you only need to press the keys 2, 5, 5 in sequence and an 'all' with black background will appear on the screen. Then you can press the up/down direction key to choose other appropriate words. Press the key 'OK' to confirm you need.

Multitap input method

Multitap input method is to input letters by pressing corresponding keys with letters on the keypad. Normally it is used to input English. Wait a second after inputting a letter for the black strip on the letter to disappear and then you can continue to input the next letter. Press the right soft key once to delete the last letter and press and hold the right soft key to delete all input.

Each key corresponds to 3 to 4 letters and press the same key quickly for several times to switch between these letters.

Numbers input method

Numbers input method is used for inputting numbers. Press the '0'-'9' keys on the keypad to input any number you want.

Symbols input method

Symbols input method is used for inputting some special symbols and punctuations. Under text editing state, press the key '#' to enter into symbol input method. There are symbols on the screen for your selection. Press the numeric key before the symbol to select the symbol and return to text editing state. If the symbol you need is not displayed on the screen, please press the up and down-direction key on the keypad to scroll the page until you find the symbol you need.

Appendix I Common fault diagnoses

Trouble	Possible reasons
The phone cannot be switched on	1. Any power in battery? 2. Battery is installed properly?
Battery cannot be charged	1. Check if the charger is connected with the phone correctly. 2. Check if the charge is connected with the socket correctly. 3. Is the battery usable? The performance of the battery will degrade after using for several years.
Fail to link the network	1. The signal is too weak, or there may be some radio interference round. View the signal indicator on the screen to see whether it is empty.
Cannot make a call	1. Is the phone registered in the network? Check whether the screen displays signal indicator. 2. Is the 'bar outgoing' function enabled? 3. Calling prohibited due to call charges not paid?
Cannot answer a call	1. Is the phone registered in the network? 2. Incoming call prohibited due to call charges not paid? 3. Is the 'call diverting' function enabled? 4. Is the 'bar incoming' function enabled?
Unable to use some functions	Consult with network operator for whether it supports these functions and whether subscription is required.

Appendix II Abbreviations and explanations

SMS	Short Message Service
ESN	Electronic Serial Number
MCC	Mobile Country Code

MNC	Mobile Network Code. For example, China Unicom's MNC is '01'; China Mobile's MNC is '00'.
Call diverting	A service provided by the network, which allows you to divert an incoming call to a specified number in different circumstances. Normally it is divided into: divert all, divert if busy, divert if no answer and diver if not connected.
Divert all	All incoming calls will be diverted by the network unconditionally.
Divert if busy	Divert the incoming call while you are already on line.
Divert if no answer	The network will divert the incoming call if the phone rings or vibrates for a specific time and you haven't answered it.
Divert if not connected	The network will divert the incoming call when the network fails to find your phone (switched off or out of the service area).
Roaming	Refer to the phone not used in the range of its local registered network. It includes international and domestic roaming. In this manual it refers to international roaming only.