Thank you for choosing Amoi A90, the fashionable and elegant color screen mobile phone, especially for men. The A90 is the perfect integration of unparalleled contemporary design and consummate craftsmanship, bringing you easy communication, and entertainment, as well as highlighting your taste.

Key features:
Phonebook memory of 500 entries
Schedule and Person Information
PC Sync, Ebook, Voice memo
Games, Karaoke, Music player
40-polyphonic ringtone (26)
Internet access and surfing
Message box lock function
World time, Countdown
Intelligent speed dial
Vivid standby theme
Dancing-Phone
3 Alarm clocks

Specifications:

GSM900/1800/1900MHz	SMS
HR, FR and EFR voice codec	Size: 85x46x24 mm
GPRS class 10, WAP 1.2.1	Weight: 80 g with slim batter

The manufacturer may, at any time and without notice, make changes or improvements to the products offered, but will provide necessary corrigendum with this manual or release new version of this manual for the following lot. The Amoi logo and trademark are the property of the manufacturer. December 2003

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SAFETY PRECAUTIONS

Read these brief guidelines. Failure to comply with them
may be dangerous or illegal.

Road safety comes first
Do not use a hand-held mobile phone while driving; park the vehicle first. Remember that in some countries, it is illegal to use a mobile phone while driving.

Switch off on aircraft
Mobile phones can cause interference. Using them on aircraft is both illegal and dangerous. (Please also close the power-off alarm clock.)

Switch off near an explosion place
Do not use the phone near an area where explosives are detonated. May disturb the detonator remote control operation.
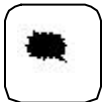
Switch off when refueling
Do not use the phone at a refueling point (service station) or near fuels or chemicals.

Switch off in hospital
Follow any regulations or rules. Switch phone off near medical equipment.

Interference
All wireless phones may be subject to radio interference, which may affect their performance.

Use only
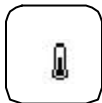
Accessories and batteries
approved accessories and batteries.

Use sensibly
Use only in the normal position (next to ear). Do not touch the antenna unnecessarily when the phone is switched on.

This device complies with the FCC OET 65 rf exposure requirements for general public uncontrolled environment.

Caution: Body-worn operations are restricted to belt-clips, holsters or similar accessories that have no metallic component in the assembly and which provide at least 1 cm separation between the device and the users body.

UNPACKING
You package contains the following items.

Full Package:

Phone

Slim/Standard Battery

Travel Charger

Desktop Charger

S
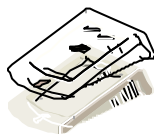
Phone

Slim Battery

Travel Charger

Earphone

Note: Please check with the local distributor for the package!

In addition, you can buy the following accessories for your phone
from your local dealer:

• Car charger
• Hands-free car kit
• Hand strap
• Leather case
• Standard/Slim Li-Ion batteries
• Data kit

YOUR PHONE

Phone Layout

The following illustrations show the main elements of your phone.

Open View

Earpiece

Display

OK Key

Record Key

Right Soft Key

Volume Keys

Navigation/Hot Key

Send Key

Power On/Off Key

1 2 3

4 5

Alphanumeric
Keys

8 9

0
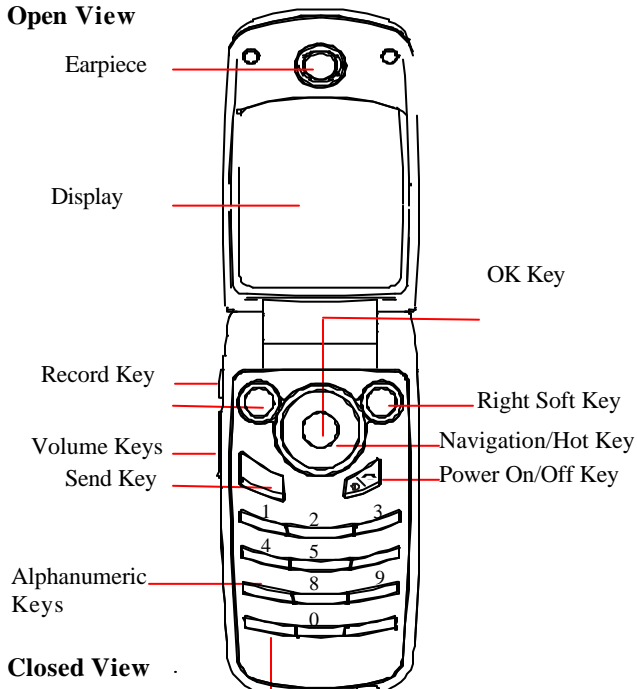
Closed View

Special Function Key

Antenna

Earpiece ────

External Display ─────────

Speaker ───────

Rear view

Hand Strap Hole

Battery Lock ────

Battery Terminals ─────

Metal Lock ──────
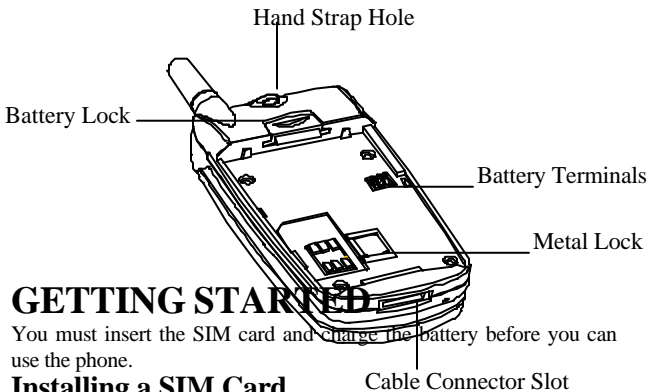
GETTING STARTED

You must insert the SIM card and charge the battery before you can use the phone.

Installing a SIM Card

Cable Connector Slot

Your network operator provides you with a plug-in SIM (Subscriber Identity Module) card loaded with your subscription details (PIN, Phone book information, and so on).

Note: The SIM card can be easily damaged by scratching or bending. You should be careful when handling, inserting or removing the card. Follow the instructions supplied with the SIM card. Keep all SIM cards out of the reach of small children.

1. Switch the phone off.
2. Remove the battery. To do so:
    1   Pull the battery lock above the battery toward the top of the phone and hold it in the position.
    2   Lift the battery away, as shown.
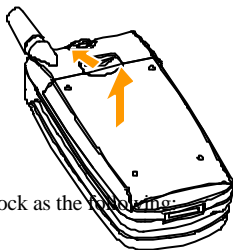
3. Slide the metal lock as the following.
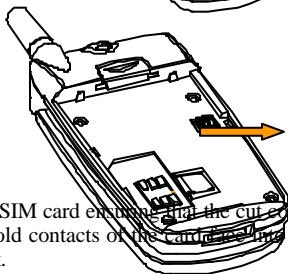
4. Insert the SIM card ensuring that the cut corner is at the top left and the gold contacts of the card facing the phone. Slide the metal lock.
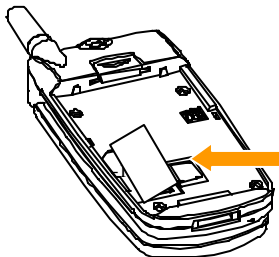
5.   Reinstall the battery. To do so:
    1   Place the battery so that the tabs align with the notches at the bottom of the phone.
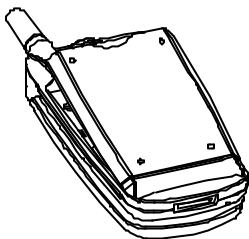
2 Push the battery down until it clicks into place. Make sure that the battery is properly installed before switching on the phone.
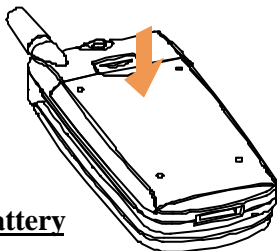
Charging a Battery

Your phone is powered by a rechargeable Li-ion battery.
You are provided with a travel charger when buying the phone. Use only approved batteries and chargers. Ask your local dealer for further details.

Note: You must fully charge the battery before using your phone for the first time. The phone can be used while the battery is charging.

Charging a battery with the desktop charger

1. Insert the battery alone into the slot making sure that the terminals on the battery contact to the terminals on the charger.

2. Push down the battery until you hear a click.
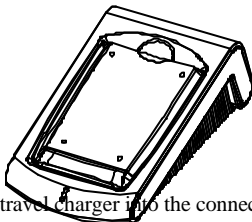
3. Insert the lead of the travel charger into the connector socket of the desktop charger.
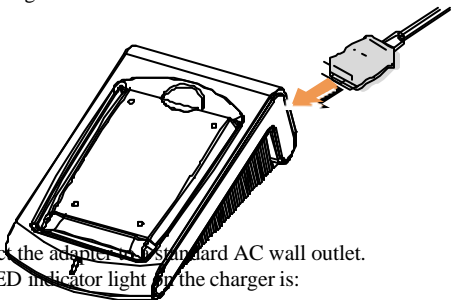
4.   Connect the adapter to a standard AC wall outlet.
5.   The LED indicator light on the charger is:

- Red: while charging
- Green: when fully charged

6. When charging is completed , unplug the power cord of the adapter from the AC outlet and remove the battery from the charger.

Note: When disconnect the lead of the adapter from the phone, you should press the buttons on both sides of it, otherwise it's easily damaged.

Using a travel charger

1. Place the battery on the back of the phone (see   reinstall the battery"), connect the lead from the travel adapter to the connector at the bottom of the phone.

2. Connect the adapter to a standard AC wall outlet.

3. When charging is finished (the full battery icon becomes solid), disconnect the adapter from the AC wall outlet, then from the phone.

Note: When disconnecting the adapter from the phone, press the buttons on both sides of the lead, otherwise the lead or the socket may get easily damaged.

Switching the Phone On/Off

1. Open the phone.
2. Press and hold the key ⌀\☎ until switch the phone on.
3. Enter your PIN , if you have one for your SIM card. (refer to Glossary/PIN)
4. Press the OK soft key, then your phone connects to the GSM network, and you'll see the following idle screens on the main and Sub LCD respectively.

```
┌─────────────────────────┐
│   ▬▬        ⊤⏚           │
│ Service Provider         │
│                          │
│ 07/20 FRI 08:00          │
│                          │
│ Menu    Phone            │
│                          │
└─────────────────────────┘
```

Note: If the network signal is very weak, 'No Service' appears in the display, and you cannot place and receive calls. Wait a little while for a better signal or move into an open area to regain the service.

5. To switch the phone off, hold down the ⌀\☎ key for more than two seconds.

WARNING!
Do not switch on the phone where mobile phone use is prohibited or when it may cause interference or danger.

Note: Do not touch the antenna on the phone unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Your Phone's Modes

Standby Mode

Standby is the basic mode of your phone. The phone goes into Standby mode soon after you turn it on, or whenever you briefly press the ⓪. When your phone is in Standby mode, you will typically see the current date and time. If you enter a phone number, you can press the key to dial it.

Press the ⓪ key at any time to return to Standby mode. Be careful; if you are on a call when you press the ⓪ key, you will return to Standby mode, and the call disconnected.

Talk Mode

You can place and answer calls only when your phone is turned on. During a call, the phone is in Talk mode. While you are in Talk mode, pressing the left soft key gives you a list of Options referred to as "Call Menu."

Phone Dancing Function

In standby mode, input *8888# to make your phone dance, and you can press the buttons on the left side of the phone to stop this function.

Keys Description

Key	Description
⊙ ⊙	Two soft keys perform the functions indicated by the text above them (in the bottom line of the display).

	Navigation Keys: Scroll through the menus In the standby mode press π to enter Amusement press to enter Names press to enter Call list, press to enter Message.
	OK key In the menu facility, confirms your selection or entry; Enter eZI Sub Menu in editing mode; Hold to go to WAP in standby mode.
	Send key: Makes or answers a call. In Standby mode, recalls the last number dialed.
	Power On/Off key Hold it to switch on/off the phone End a call In the menu facility, returns to the Standby mode and cancels your input.
	Enter numbers, letters and some special characters.
	Use these keys for various special functions.
	Record key When the phone is closed, press and hold it to refuse a call; In standby mode, press it to enter Voice Memo Menu; In standby or call mode, press and hold it to record a voice memo.
	Volumekeys During a call, adjusts the voice volume When the phone is closed, press it to display the current time.

Display
Display Layout
The display comprises three areas.

Area	Description
First line	Displays various icons

-19-

Middle lines	Displays messages, instructions and any information that you enter
Last line	Shows the functions currently assigned to the two soft keys.

Icons

Signal strength: Shows the received signal strength. The greater the number of bars, the better the signal strength.

Service: Appears when a call is in progress.

Roaming: Appears when you are outside of your operator's service and have registered with a different network.

New Message: Appears when a new message has been received; flashing indicates that your message box is full.

Ring Mode: Indicates that the phone will ring when a call is received.

Mute Mode: Appears when the vibrate mode is active.

Ring + Vibrate: Indicate that your phone will ring and vibrate when a call coming.

Log setting: Appears when you set a log.

Alarm Appears when the alarm is active. (If both alarm and countdown are set, this icon will not appear until the countdown alarm rings.)

Countdown Appears when the Countdown is set.

Battery status: Shows the level of your battery. The more black area you see, the more power you have left.

Backlight

The display and keypad are illuminated by a backlight. When you press any key, the backlight illuminates. It automatically turns off if no key is pressed within a given period of time, depending on the **Backlight** Option set in the **Phone setting** menu (refer to Settings/Mobile/Backlight).

External Display

Your phone has an external display on the cover, it indicates that you have an incoming call or message, and notifies you at the specified time when you set an alarm or a log, without having to open the phone.

CALL FUNCTIONS

<u>Making Calls</u>

Before you can make or receive a call, you must turn on the phone and be within range of a network.

1.   In Standby mode, enter the phone number. (If you make a mistake while dialing, use   or   key to move the cursor to the right of the digit, press the right soft key to erase it; Press and hold to erase the entire number.)

TIP: When inputting a number, you can insert a pause by holding the # key (for example: between the switchboard and the extension), the latter number will be dialed several seconds after the former one.

2. P ress the ☎ key to make the call.
3. When you finish talk ing, press ⌀ or close the phone to end the call.

TIP: When using the handsfreet kit, you can press the Send key on it to end the call.

Making a Call from the Phonebook

See "entering the phonebook" to search for a desired number, and press the ☎ key to dial.

Last number redialing

In standby mode, press ☎ once to access the list of the 20 numbers you last called; scroll to the number or name you want, and press ☎ to call the number.

Note: If you have set Auto Redial menu to On, if there is no answer or the line is busy, the phone automatically retries to make the call.

Making International Calls

1. Press and hold the "0" key until a "+" sign appears in the display.
2. Enter the country code, area code, and phone number, then press the ☎ key to begin dialing.

Receiving Calls

When a call is received, the phone alerts you by ringing and/or vibrating; the screen displays an incoming call message. If you have subscribed to the Line Identification Service (contact your service provider), the caller's phone number is displayed; if you have saved the number in your phone book, the name is displayed.

Three modes are provided for receiving a call. Refer to *Settings/ Mobile/Answer mode* for the details.

Note   If you receive a call while using the phone functions and menus, the current operation will be halted.

To answer a call

-Press

To reject a call

-Press

Missed Calls

When an incoming call is not answered, the Missed Call log is displayed on your screen.

-- To view the missed call immediately, press the left soft key, the number or the name is displayed, if available. Scroll through the missed calls, press ✆ to call the number.

-- Press the Option soft key, you'll enter the missed calls menu. The following options are available:

Call   To press OK soft key to call the number.
Detail   To view the details (name, number, time)
Add to PB   To store the number to the phonebook.(refer to *Storing a phone number in PB*)
Delete   To delete the number from the missed calls list.

Tip: You can press the ☎\ key at any time to exit the Missed Call menu. You can view the missed calls at any time . Refer to **Call list** *for details.*

Call Menu

Some of the features you can use during a call depends on whether your network provides these services.

During a call, press Option soft key to enter Call Menu. The options change in different conversation circumstance.

The followings are the possible options.

Mute: You can switch microphone off and the caller can't hear you.
Hold (current call): You can hold the current call.
Hold current call/Dial new number: You can hold the current call and dial new number.
Hold current call/ Answer new call: You can hold the current call and answer a new call.
Connect held call to conference call: You can connect the held call to a conference call.
End the current call: Select to end the current call.
End held call: Select to end the held call.
End current call/ Answer new call: You can end the current call and answer the new call.
End current call/ Answer held call: You can end the current call and answer the held call.
End all calls: Select to end all the calls.
Main menu: Select to enter the main menu and make the general operations.

Other Options in the Call Menu
You may also directly press the number-keys to choose the functions and press to make it.

Hold/ Switch
The 'Hold' function can switch the current call to a held one and recover the previous call.
When there is a held call and a current call:
Press 0 + to end the held call
Press 1 + to end the current call and recover the held call.
Press 2 + to switch the current call to a held one and switch the held one to the current call.

Call Waiting
If your network supports this function and you have activated the feature, the phone will remind you when there's a new incoming call during a call.

Call Hold

If your network supports this function you can dial another number while you have a call in progress.

Method 1: (1) Dial the required number or find the required number from telephone book and then press ✆ to make the second call.

(2) The first call will be put on hold automatically.

Method 2: (1) Press ✆ to hold the current call.

(2) Dial the second call. When the new call is connected, the previous one will be held automatically. These two calls can be switched freely. Please refer to Hold/ Switch function.

Conference Call

Conference Call is a network service. It allows up to six people to take part simultaneously in a call.

(1) Dial the first number.

(2) Dial the second number and the first number is held automatically after the first is connected.

(3) Press 3 + ✆ let the first number to participate in the conference.

(4) Repeat Step 2 and 3 to add more numbers to participate in the conference.

(5) Press ✆ and 3 + to allow the new number to participate in the conference, repeat the operation to have more numbers to the conference.

(6) Press 1 + x + ✆ to refuse one current number, repeat the operation to refuse more numbers (x means the number you choose to refuse).

(7) Press ☎ to end the whole conference call.

PHONEBOOK (NAMES)

You can store your phone numbers and names in SIM card or locally in your phone memory. Phone memory can store 500 entries at most; each entry may consist of a name, three phone numbers, two email addresses, one fax number and one remark. The number of the entries, which SIM can store, depends on the type of SIM; However SIM entries consist of a name and a number.

Phone Number: 20 digits at the most for memory storage; For SIM storage, it depends on the type of SIM.
Name: 16 characters at the most for memory storage; For SIM storage, it depends on the type of SIM.

Tip: If you change phones, any numbers stored in your SIM card will be accessible with the new phone.

Storing a Phone Number in PB

1. Key in the number to be stored.
2. Press the Store soft key.
3. Select Local PB or SIM PB then press OK soft key.

Adding to Local PB:
(1) Input name, press OK soft key.
(2) Enter up to three phone numbers in sequence (after inputing the first number, press Next soft key and then enter the second and the third numbers).
(3) Enter email address, fax number, remark separately (the same method as step 2).
(4) Press Ok soft key and "Create done" is displayed.

Adding to SIM:
(1) Input name, press OK soft key.
(2) Key in the numbers, press Store soft key.
(3) Press Ok soft key and "Create done" is displayed.

There are two ways to enter the phonebook in standby mode:
  ✧　　Press right soft key.
  ✧　　Enter the associated alphanumeric keys then press *. For example, enter 866* to search the name of Tom.

Tip: In standby mode, press right soft key to enter PB Menu.

PB Menu
In the PB (PhoneBook) Menu, the following options are available:

Smart Dial
This Option allows you to find an entry quickly in your PB.
1. When Smart Dial is highlighted, press Ok soft key to enter.
2. Input the correspondent numerical key of the desired name (see the second way to enter PB).
3. Press OK soft key. Scroll to your desired entry.
4. Press 📞 to dial it or press Select soft key to enter "Select operation" to display the following Options:

Edit:　Edit the details of the selected entry.
Copy:　Allows you to copy the selected entry from the phone memory to the SIM memory and vice versa.
Delete:　Press the OK key and phone will display " Delete?" Select "Yes" to delete this entry. Select "No" to reserve this entry.
Call: Press the OK key to dial this number.
Write SMS: Refer to Messages/Write .
Send number: Send all the numbers in this entry to the appointed number.

Search all

This Option allows you to find a Phonebook entry by searching from the list of all entries sorted by name.

(1) Press the or key until you find the desired entry from the list.
(2) Press the key to dial the number or press the OK soft key for more details.

Search name

Enter the character(s) of the desired name by pressing the associated alphanumeric key(s) and press the Search soft key to see the details in your phonebook.

Search number

Enter the desired number then press the Search soft key to see the details in your phonebook.

Note: While viewing details on the entry, press the OK soft key to enter "Select operation" (refer to **Smart Dial** *)*

Add

When Add contact is highlighted, press OK soft key. Choose the Local PB or SIM PB. (refer to *Storing a phone number in PB*)

Note: If the input position already exists, the phone will display "Message Full".

PhBook manager

Copy (Take "Local to SIM" for example)
(1) Copy one: Press or to view the phone number one by one and press left soft key to copy the desired one.
(2) Copy all: Copy all the numbers stored in phone to SIM card.
(3) Copy range: Input the start number and the end number, then press OK soft key to copy these entries you want to SIM card.

Local to SIM		Range: 1-500
1 Copy One		Start: ‖
1 Copy Range		End:
2 Copy All	-31-	
Ok Cancel		Ok Cancel
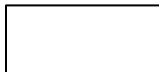
Note: If the entry already exists in target PB, the entry will not be copied.
If the space of target PB does not have enough memory for copying, only
the front phone numbers will be copied until the target PB is full.
If the permitted name length of target PB is less than that of original PB,
the exceeded part will lost.

Delete
Same as Copy, you can delete one, all or a specify range.
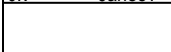
Memory
Check the total memory capacity and the amount used entries used for
SIM card and Local PB.

Info

Country codes
Select this function, the following content is displayed:

Country Code	
China	+86
Italy	+39
Germany	+49
Ok	Cancel
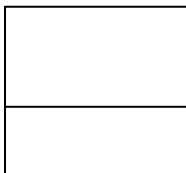
Press ___ and ___ to choose one country. And press Select soft key to
search according to a country name or a code number.

Own Number
Store the SIM card number of local phone for reference.

CALL LIST

In Standby mode, press the τ key to view the call list .
With this function, the phone can record automatically 20 missed, 20 received and 20 dialed phone numbers. The number and the name (if available) are displayed with the date and the time when the call is made.

Missed
Incoming
Outgoing

You can perform the following operations on each of the above call lists:
1. Scroll to one of these three items and press Select soft key, the calls list will be displayed.
2. Press πθkey to select the desired number.
3. Press   to dial it; Or press Options soft key to see the following options: **Call, Detail, Save , Delete** (refer to *Missed calls*)

ENTERING TEXT

When storing a name in the phonebook, creating your personal greetings or scheduling events in your calendar or write any other message, you will need to enter text.

You are provided with the following text input modes.

• Italian/ italian/ ITALIAN
• German/ german/ GERMAN
• English/english/ENGLISH
• French / french/ FRENCH
• Spanish / spanish/ SPANISH
• Abc/abc/ABC
• 123 (Numeric input mode)
• Symbol

TIP: The number on the top right is a word count of the message, it points out how many characters you can write in the edit zone.

Changing Text Input Mode

When in a text entry screen, press ✆ to change Text Input Mode or press the @ key to select one mode. You can see current text input mode indicator on the top left of the display:

• Italian/ italian/ ITALIAN
• German/ german/ GERMAN
• English/english/ENGLISH
• French / french/ FRENCH
• Spanish / spanish/ SPANISH
• Abc/abc/ABC
• 123 (Numeric input mode)

Note: The current input method will be the same as the one you last used before you quit the input mode.

eZi Italian Mode

Please refer to eZi English Mode.

eZi German Mode

Please refer to eZi English Mode.

eZi English Mode

This mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter – when you press once, J, K or L may be displayed. The English mode automatically compares your keystrokes with an internal linguistic dictionary to determine the correct word, thus requiring far fewer keystrokes than the ABC mode.For example: to enter 'hello', press the following keystrokes: 4, 3, 5, 5, 6.

If the word in the display is not the word that you desire, press the or key to display alternate word choices for the keys you have typed. (For example, 'of' and 'me' both shares the sequence 6, 3) The phone displays the most commonly used choice first.

To…   **Then…**

Choose a highlighted word   Press "0" key
Alternate among the following modes:
abc, Abc, ABC   Press the # key
Change the modes of a highlighted word: Press   or   key
Insert the symbols   Press 1 key, details as following
Insert the more symbols   Press *key, details as following
End the edition   Press left soft key
Exit   Press the   key   ⓪ ☏

Press the 1 key to insert the symbols
Choose Spanish Mode   Choose non-Spanish Mode

. , ¿ ? ¡ ! 1 : ; - (   ) ' « » @ €£ $
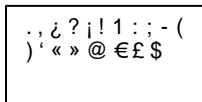
Press the or key to select the column which including the symbol mark you want to use.

Press the corresponding numeric key to insert the desired symbol mark.

```
        SYMBOL

# % & * + / < =
> [ \ ] ^ _ { |
} ã å æ ð õ ø þ
~ Ã Å Æ Ð Õ Ø Þ
1 2 3  4  5  6 7  8
                Back
```

eZi French Mode

Please refer to eZi English Mode.

eZi Spanish Mode

Please refer to eZi English Mode.

ABC Mode

This mode allows you to enter letters by pressing the key labeled with the required letter once, twice, three or four times until the letter is displayed. For example, you press the 2 key three times in succession to display the character "C", the 5 key two times quickly to display the character "K".

Press #   to alternative between Abc, abc and ABC.
Press *   to open symbol table directly

Note: When entering the same character twice (or a different character on the same key), just wait for a few seconds for the cursor to move to the right automatically, and then select the next character.

The definition of the keys is different according the language, refer to the following table:
<sp> means a space.

	Italian	German	English	French	Spanish
Key=0	<sp> 0 + <sp> 0 +	<sp> 0 + <sp> 0 +	<sp> 0 + <sp> 0 +	<sp> 0 + <sp> 0 +	<sp> 0 + <sp> 0 +
Key=1	. , ? ! 1 : ; - ( ) ' " @ € £ $	. , ? ! 1 : ; - ( ) ' " @ €£ $	. , ? ! 1 : ; - ( ) ' " @ €£ $	. , ? ! 1 : ; - ( ) ' " @ €£ $	. , ¿ ? ¡ ! 1 : ; - ( ) ' « » @ €£ $
Key=2	A B C À 2 (a b c 2 à)	A B C 2 Ä (a b c 2 ä)	A B C 2 (a b c 2)	A B C 2 À Â Æ Ç (a b c 2à â æ ç)	A B C 2À À Ç (a b c 2á à ç)
Key=3	D E F 3 È É (d e f 3 è é)	D E F 3 É È (d e f 3 é è)	D E F 3 (d e f 3)	D E F 3É È Ê (d e f 3é è ê)	D E F 3É È (d e f 3é è)
Key=4	G H I 4 Ì (g h i 4 ì)	G H I 4 (g h i 4)	G H I 4 (g h i 4)	G H I 4Î (g h i 4 î)	G H I 4Í (g h i 4í)
Key=5	J K L 5 (j k l 5)	J K L 5 (j k l 5)	J K L 5 (j k l 5)	J K L 5 (j k l 5)	J K L 5 (j k l 5)
Key=6	M N O 6 Ò (m n o 6 ò)	M N O 6 Ö (m n o 6 ö)	M N O 6 (m n o 6)	M N O 6 Ô Œ (m n o 6 ô œ)	M N O 6 N Ó Ò (m n o 6 ñ ó ò)
Key=7	P Q R S 7 (p q r s	P Q R S 7 ß (p q r s 7 ß)	P Q R S 7 (p q r s 7)	P Q R S 7 (p q r s	P Q R S 7 (p q r s 7)

	7)			7)	
Key=8	T U V 8 Ù (t u v 8 ù)	T U V 8 U (t u v 8 ü)	T U V 8 (t u v 8)	T U V 8Ù Û (t u v 8ù û)	T U V 8U Ü Ù (t u v 8ú ü ù)
Key=9	T U V 8 Ù (t u v 8 ù)	W X Y Z 9 (w x y z 9)	W X Y Z 9 (w x y z 9)	W X Y Z 9 (w x y z 9)	W X Y Z 9 (w x y z 9)

123 (Numeric)Mode

It enables you to enter numbers into a text message. Press keys corresponding to the desired digits, and manually switch back to the text entry mode of choice.

Using User's Dictionary

While entering a SMS message, you can use your own dictionary which allows you to add a new word. Words you add to the dictionary will have a high priority in eZi English mode.

Adding a Word to the Dictionary

1. In the text entry mode, press the @ key.
2. Press the   or   key to scroll to Dictionary and press the OK soft key.
3. Select New and input the word you want to add, then press the Options soft key.
4. Press the   or   key to scroll to Add to UPD and press the OK soft key to add the word.

The added word becomes the first candidate for the associated keypress. You can check the added words on the List Dictionary menu.

Deleting the Words from the Dictionary
1. In the screen of eZi text mode, press OK soft key.
2. Use the   or   key to scroll to List Dictionary and press OK soft key .You can see the list of the words you have added.
3. Use the   or   key to find the word you want to delete, and press the Options soft key.
4. Press the   key to scroll to Del from UPD then OK soft key to delete the selected word.

USING MENUS

The phone offers a range of functions that allows you to tailor the phone to your needs. These functions are arranged in menus and submenus.

<u>Accessing a menu function</u>
By scrolling
1. In Standby mode, press Menu soft key.
2. Scroll with   or   through the menu and select, for example, Settings by pressing Select soft key.
3. If the menu contains submenus, select the one you want, for example Call settings.
4. If the selected submenu contains further submenus, repeat step 3.
5. Select the setting of your choice.
6. Press Cancel key to return to the previous menu level, and   key to exit the menu without changing the menu settings.

By shortcut
The menus, submenus and setting options are numbered and you can access them by using their shortcut number.

1. In Standby mode, press the Menu soft key.
2. Within three seconds, key in the index number of the menu function you want to access.
   Example: Setting the **Clock** function **On**
   Press the Menu soft key, and key in **4**, **1**.

Notes: The numbers assigned to each menu function are indicated on the list on page xx. They may not match the menu number on the phone. It depends on the services supported by the SIM. For example, the STK menu will locate the first main menu and all the other menu functions backspace.

List of Menu Functions

The list shows the menu structure available and indicates the number assigned to each option.

1   Display

1-1   Menu ——————————— | 1-1-1   Menu style

| 1-1-2   Interface

1-2-1   Theme

1-2   Standby   1-2-2   Animation

1-2-3   Picture

1-2-4   Clock

1-2-5   Text

1-2-6   Calendar

1-2-7   Download

-40-   1-2-8   Wallpaper

1-3:Power Off ——————— | 1-3-1 Animation
| 1-3-2 Text

1-4:Power On ——————— | 1-4-1 Animation
| 1-4-2 Text

2   Internet

3   Audio profile

3-1:Tones ——————— | 3-1-1 Call
| 3-1-2 Welcome
| 3-1-3 Downloaded

3-2:Typical——| 3-2-1 Activate | 3-2-2-1 Call prompt
| 3-2-2 Adapt——| 3-2-2-2 Key sound
| 3-2-2-3 Volume
3-3:Silent | 3-2-2-4 Prompt sounds
3-4:Noise
3-5: Personal

4   Settings

4-1   Clock ——————— | 4-1-1 Set time
| 4-1-2 Set date
| 4-1-3 Time format
| 4-1-4 Date format

4-2   Mobile ——————— | 4-2-1 Language
| 4-2-2 Contrast
| 4-2-3 Backlight
| 4-2-4 Auto On/Off
| 4-2-5 Reset all

4-3　Call

4-3-1　Incoming filter
4-3-2　Volume
4-3-3　Answer mode
4-3-4　Auto redial
4-3-5　Send number
4-3-6: 1' Beep
4-3-7: Call waiting

```
4-4   Security

                                    4-4-7-1: All out
                                    4-4-7-2: Out intl
                                    4-4-7-3: Out intl roam
                                    4-4-7-4: All in
                                    4-4-7-5: In when roam
                                    4-4-7-6: Status
                                    4-4-7-7: Cancel all
4-5   Network —— 4-5-1: Mode —— 4-5-1-1   Auto
                 4-5-2: Search       4-5-1-2   Manual
                 4-5-3: Sequence
                 4-5-4: Band selection

                 4-6-1: Not reachable ——
                                          4-6-2-1   On
                 4-6-2: Not reply —— 4-6-2-2   Off
                                     4-6-3-1   On
4-6   Divert —— 4-6-3: All —— 4-6-3-2   Off
                                     4-6-4-1   On
                 4-6-4: Busy —— 4-6-4-2   Off
                                 4-6-5-1   Not reachable
                 4-6-5: Status —— 4-6-5-2   Not reply
                 4-6-6: Cancel all   4-6-5-3   All
                                     4-6-5-4   Busy
```

```
                              6-4-1   Incoming
                              6-4-2   Missed
                              6-4-3   Outgoing
6-4    Calls  ─────────────── 6-4-4   Last
                              6-4-5   Total
                              6-4-6   Charge info
7   Amusement                 6-4-7   Blacklist

                              7-1-2   Tetis
7-1    Games ──────────────── 7-1-3   Push box
                              7-1-4   Throw egg
7-2  Karaoke                  7-1-5   Snake
7-3: Music player
7-4: Ebook


8   SMS

                              8-1-1   Inbox
8-1    Read  ─────────────── 8-1-2   Outbox


                                              8-3-2-1  One by one
8-2  Write                8-3-1   Inbox ────── 8-3-2-2  Delete all
8-3  Delete ───┤
                          8-3-2   Outbox ───── 8-3-2-1  One by one
8-4  Memory                                    8-3-2-2  Delete all


                              8-5-1   Auto display
                              8-5-2   SMS center
                              8-5-3   Validity
8-5    Settings ───────────── 8-5-4   Status report
                              8-5-5   SMS PWD
                              8-5-6   SMS Tone
```

1.DISPLAYING

Using this menu, you can customize various settings for the display screen.

1-1. Menu

1-1-1.Menustyle
This option allows you to select the menu display style. You can choose between Bitmap and Animated.
1-1-2.Interface
There are two styles: Dream and Exquisite for your selection.

1-2. Standby
The phone offers you several types of display for the standby mode.

Theme: This type of display indicates all kinds of information in the standby mode with numbers of pictures and animations. Press the or   key to preview the pictures; press OK soft key to choose one.
(See the attachment for details)
Animation: Press the   or   key to preview the animation; press OK soft key to choose one.
Picture : Press the   or   key to preview the pictures; press OK soft key to choose one.
Clock: Displays the clock which indicates the current time.
Text: Displays your own greetings. Create your own message up to 19
          characters.
Calendar: Displays a calendar.
Download: You can download more pictures and animations byWAP.
Wallpaper: You can display or hide the name of softkey and network.

1-3. Power Off
You can select what will be displayed when the phone is switched off.
Choose between Animation and Text.
Picture: Use the   or   key to preview the pictures; press OK soft

key to choose one.

Text: Displays your own greetings. Create your own message up to 19 characters.

1-4. Power On

You can select what will be displayed when the phone is switched on. Choose between Animation and Text.(refer to *Power Off* on the last page)

2. INTERNET/WAP

WAP is a platform for combining wireless communication with internet. WAP allows you to access the internet and also provides some e-commerce applications by phone.

Note: To connect wap net, your network must provide the service and you should perform the dredging operation described in detail in **Settings/ WAP Settings.**

Select Internet from the Main Menu to connect WAP. You can also seclet *Go to URL* from *WAP Settings*, or select *Home* to connect to the homepage.

*Note: Press and hold the key * to enter the browser menu.*

The following options are available when using WAP.
Back: To return the previous window.
Home: Skip to the homepage.

Exit: Exit the browser window.

Marker site: Allow user to add a website to bookmark.

Bookmarks: Display the websites list you have added. Select one to visit the corresponding site.

Inbox: You can check what's in your inbox.

Save image: You can store your favorite pictures.

Reload: Exit browser menu, return to the page you just visited.

Settings: You can make modifications to the settings of homepage and proxy server.

About: You can look up some information about the browser.

Shortcut

In any WAP window, press and hold 1-9 key, to connect directly the corresponding website in your bookmark; hold 0 key to enter your Inbox; hold   to exit the browser.

3.AUDIO PROFILE

You can select from a number of pre-recorded tunes for your phones ring tone and set the different profiles.

3-1. Tones

3-1-1. Call
There are 26 tunes for you to choose from :
Press   key to scroll then Ok soft key to select.
3-1-2. Welcome
There are 26 tunes for you to choose from :
Press   key to scroll then Ok soft key to select.

Note: You can choose Off to switch off the music.

3-1-3.Download
You can perform the following operations on downloaded music.
✧   **Audition**
✧   **Add**
✧   **Delete**

   There are four profiles available: Typical, Silent, Noise, Personal.

3-2. Typical
In this profile, the phone rings if there is an incoming call. Key sound, info tone, SMS tone, service tones are all activated.

3-3. Silent
The phone vibrates if there is an incoming call. Key sound, SMS tone, service tone and info tones are deactivated.

3-4. Noise
The phone vibrates and rings if there is an incoming call. Key sound, info tone, SMS tone, service tones are all activated.

3-5. Personal
The phone rings if there is an incoming call. Key sound and SMS tones are activated. Info and service tones are deactivated.

The mode won't be valid unless you select Activate to start it. For each mode, you can select Adapt to make the following operations:

1.Call prompt
You can select Tone alert , Vibrator, Tone&vibrator,or No notify when there is an incoming call. Scroll to the option you want, press 'Ok' soft key to confirm.

2.Key sound
To adjust the Key sound, you can select 'DTMF Tone', or 'Silent'.

3.Volume
You can adjust the volume of ring. Press   key to increase volume and   key to decrease .

4.Prompt sounds
Info tones: They are tones that provide information about the phone. For example: tone for low battery. Select it and then press 'on' soft key. To cancel this feature, press 'off'.
SMS tone: If it is active, the phone will ring when receiving the SMS.
Service beep: The phone will send out the service tone when it connects to the network for the first tim e.

To activate the above tones, select and then press 'On' soft key to activate. To cancel this feature, press 'Off' soft key.

4. SETTINGS

You can customize various features of your phone.

4-1. Clock

This function allows you to change the current time and date displayed in standby state.

The following functions are available.

4-1-1. Time: Enter the time according to the preset Format.

4-1-2. Date: Enter the day, month and year according to the preset Format.

4-1-3.Time format: Choose between 24 hours mode and 12 hours mode.

4-1-3. Date format: Select the day format:

- dd/mm/yy
- mm/dd/yy
- yy/mm/dd

4-2. Mobile

4-2-1. Language:

- ✧ Italian: All the menus and information is displayed in Italian.
- ✧ German: All the menus and information is displayed in German.
- ✧ English: All the menus and information is displayed in English.
- ✧ French: All the menus and information is displayed in French.
- ✧ Spanish: All the menus and information is displayed in Spanish.

*Note: You can change the language setting by pressing   *99#'.*

4-2-2. Contrast

You can adjust the contrast of Main LCD (Internal) and Sub LCD (External) by pressing   or   keys.

4-2-3.Backlight

You can select whether or not to use the backlight of phone. The

backlight comes on when you open your phone and switches off if no key is pressed within the set time.

10 seconds/20 seconds/40 seconds
Always on: It is equal that the set time is 40 seconds.

Note: In stand-by mode, you can enter this menu by pressing ' 0 #'.*

4-2-4. Auto On/Off
The phone will switch on or off at the preset time.
Enable: Enable the automatic power on/off of the phone.
Set time: Enter the time when you want your phone to switch on/off.
4-2-5. Reset all
You can reset some settings to factory setting. You need to enter Password (PWD).

4-3. Call
4-3-1. Incoming filter: With this feature, you can put numbers into the Reject Number list whereby calls from numbers on this list will never get through to your phone; and put numbers into the Accept Number list so that any calls from this list can get through and the others can not.
4-3-1-1. Call reject The phone will refuse calls from the numbers in the "Reject Number"; you can get the prompt information in the standby mode when someone calls you with these numbers; you can also check all the record of rejected calls in the "Reject list".
4-3-1-2. Call accept Your phone can be reached only from the numbers you put into the Accept number. When receiving a call from a number not in the Call accept list, your phone displays "this number is rejected". You can also check all the Accept calls in the "Accept list".

Note: This function is available only when your SIM card gets the Caller Line Identification Service. Or not, the phone will be available for all calls from any numbers.

4-3-2. Volume: Adjust volume of talk by pressing the   or   key or via side keys during a call.

4-3-3. Answer mode: There are three methods to answer a call.
Call Key Answer: Press   to answer a call.
Open Answer: Open the phone to answer a call.
Auto Answer: If you insert your phone into a Car Kit, the phone will automatically answer after 3 seconds. Before the auto answer, you can also press   to answer it.
4-3-4. Auto redial: If auto redial is activated, the phone will display "Auto redial" after an unsuccessful call. Press   to redial.
4-3-5. Send number: This function must be supported by network.
Net set: Your phone number will be hidden or displayed according to the network when making a call
On: Your phone number will be displayed to receiver.
Off: Your phone number will not be displayed to the receiver.
4-3-6. 1' Beep: Activate hear an elapsed time reminder in the 45th second of every minute during your calls.
4-3-7. Call waiting: Your phone supports the function of 'call wait' and 'call hold' features of GSM network. If you select this function, the network will tell you if there is a new call while you are on another call. You can receive the new call by putting the current call on hold.
Active: The Call-Wait Tone will be heard when there is a new incoming. If the new incoming call is from a domestic fixed line phone, its city name will be displayed, otherwise 'Incoming' will be displayed.
Cancel: Call waiting is deactivated.
Status: Show the status of network call waiting function will be displayed: 'Active' or 'Off'.

4-4. Security
4-4-1. SIM lock:
If enabled, your phone will work only with the current SIM card. When you switch to a different SIM card, the phone will ask for the

phone code.

4-4-2. Check PIN:

Press the "Select" left soft key to enter this function.

    1. Press the "On" left soft key.

    2. Input the PIN code and start up the function of PIN check by press Ok left soft key.

Note: If you have started up the function of the PIN check function, you have to input the PIN code every time when you switch on your mobile phone. If you input the wrong number for three times in succession, the SIM card will be locked.

    3. Press Off right soft key to cancel this function.

4-4-3. PIN Change :

To select the " PIN Change" by the   or   keys.

    1. Press the " select" soft key.

    2. Input the old PIN code and press the " Ok" key.

    3. Input the new PIN code (four to eight digit) and press the "Ok" left soft key.

    4. Input the new PIN code again and press the "Ok" left soft key.

    5. LCD will indicate "PIN changed".

Note: Only the first start up PIN code can alter the PIN code.

4-4-4. PIN2 change:

The process is the same as "PIN changed"

PIN code is provided with SIM card, which is used for special service such as "call charge" function etc. To find out whether your SIM card support s these functions, please contact your network operator.

4-4-5. PWD change:

1. To press select left soft key and input the old password, then press the "Ok".

2. Input the new password and press Ok left soft key.

3. Input the new phone password again and press the Ok left soft key.

4. The screen will indicate " phone password changed'.

4-4-6. Fixed numbers:

If the network service can support and your SIM card has this function, you can limit the out going telephone numbers to which calls could be made.

When this function is "On", your mobile phone can only call the number in the fixed telephone number list. If you dial any other number (except the emergency number), the phone will display "Forbidden number". You will need to input PIN2 code to activate this function.

4-4-7. Bar calls

The call limitation function can help you to limit the incoming and outgoing calls. However this service may not be available on all networks.

The following operations are available:

. **All out:** Selecting this option, to bar dialing any calls (except the emergency calls)

. **Out intl** : Selecting this option, to bar dialing the international calls.

. **Out intl roam:** Selecting this option, to bar dialing the international calls except to your home country.

. **ALL in:** Selecting this option, to bar all incoming calls.

  In when roam: Selecting this option, to bar all incoming calls when roaming.

. **Status** : Allows you to query the current Bar calls setting.

. **Cancel all:** Selecting this option, the phone will allow dialing and answering all calls.

Note: You need to input the PIN2 code to set above functions.

4-5. Network

When you use the phone, the phone will auto select the Internet service. When the phone is beyond the service area when roaming, you can select the appropriate Internet service manually.

4-5-1. Mode: Switch between these two modes.

  . Auto searching
  . Manual searching

4-5-2. Search: The LCD will display " searching …..". After locating a service, the GSM will auto display the network. If there are two available

networks, you can use the   or   to select. Those marked with "*" are not available to your phone.

4-5-3. Sequence:

This function allows you to list the Internet services you can use when your roaming. If the listed networks can be used, your phone will select the network from the prior list. Three operations are available.

. Move: To press the key   or   to your desired internet service.

. Add: You can add the new Internet. Input the country code and the Internet code then press the "confirm" button.

. Delete: You can cancel the chosen network.

4-5-3. Band: The phone operates at PCS1900. To remain compliant with FCC requirements, this is the only operating band for this phone

4-6. Divert

This network service enables the incoming calls to be transferred to another number that you specify. For example: You maybe want to transfer your business calls to a colleague while on holiday.

Not reachable: Calls are transferred if you are not in an area covered by your service provider.

Not reply: Calls are transferred if you do not answer the call.

All : All calls are transferred.

Busy: Calls are transferred if your phone is engaged.

Status: Allows you to query the network about the current status of Call Transfer function.

Cancel all: All Call Transfer functions are cancelled.

To activate a call transfer function:

1. Scroll to the desired item then press OK soft key.
2. Select 'Divert On' and press OK soft key (If you want to cancel this operation, select 'Divert Off')
3. Input the number you want to divert to, press OK soft key.
4. 'after15 sec' is displayed, press Ok.
5. The information is displayed to indicate if you've succeeded to activate a call transfer function or not.

4-7. WAP

WAP Settings are used for access to WAP.

4-7-1. Connection

You can choose from the preset options or configure according to your preferences.

For example: If you choose Telcom

Change : To select one site.

Name: Set your favorite names such as Tim GRPS.

Homepage: You can set homepage, such as http://wap.organge.com.

Security: You can set it as On or set it as Off.

Name	Homepage	Security
Timj GPRS	http://wap.organge.com	✓ On 1
		Off 2
Ok Cancel	Ok Cancel	Ok Cancel

P   hor   le:
172.016.126.070

Bearer: Set the types of data service, choose from GPRS and Data.

AP Name: Input AP name, such as ORANGEWAP.COM.DO.

Bearer	AP Name
1. GPRS	ORANGEWAP.COM.DO
2. Data	
Ok Cancel	Ok Cancel

User   me for WAP, f

Pass   d for WAP.

4-7-2. Color select

Red, green, blue are available, you can choose one background color.

4-7-3. Bookmarks

Save bookmark: You can add a URL which you visit frequently to your Bookmarks and name it so that you can visit it easily.

Go to bookmark: Enter the Bookmarks, select one URL title and link to the correspondent homepage.

4-7-4. Homepage

By selecting this item, your handset will open to the homepage of your choice.

4-7-5. Go to URL

Enter an URL and press the ok key, to connect to the page. When your handset can not connect to the URL, it will connect to the homepage automatically .

4-7-6. Response time
Set linger time with the unit of second. If your handset can not link to WAP, it will give up automatically.

4-7-7. Reset
Reset all of the settings of WAP.

5.TOOLBOX

5-1. Alarm
There are three alarm clocks to be used. For every alarm, you can make the following settings:

On: To start up this alarm so that you can continue its settings.

Set time: Set the time when the alarm is to start.

Mode: There are three modes.

1. Daily: The alarm works at a set time every day.
2. Workday: The alarm works at the set time from Monday to Friday.
3. Profile: You can choose one or several days of the week for the alarm to work.

Tone: Select the ringing type of the alarm.

Cancel all: Close all alarms.

Note: To stop the alarm, press any key except ☎ or ✆ ; otherwise, it continues to ring for one minute. The alarm will still work when the phone is turned off.

5-2. Voice memo

You can record up to 2 voice memos (including conversations) of up to 30 seconds in length.

Notes: 1. Recording a voice conversations is illegal in some countries. Make sure the other party has consented to being recorded.
2. Hold down @ key to record a conversation during a call.

5-2-1. Record
1. Scroll to Record, press OK soft key.
2. Record the voice memo by speaking into the microphone.

Note: When recoding, press Pause soft key to have a pause then Record key to continue; A timer displays to show you the elapsed time. When recording time limit is reached, the phone will automatically stop recording and save the recorded.

3. When recording is completed, press the End soft key.

5-2-2. Playback
1. Scroll to Playback, press the OK soft key and then the Play soft key, the latest memo displays.
2. Press the ▲ or ▼ key to scroll to the desired memo and press **Ok** soft key to play it back.

Note: While in playback, press the End soft key to stop playing and exit the playback mode.

5-2-3. Label
You can make a label for your voice memo using this function.

```
   Voice Memo              <1/2>
1 Record              07/23  09:41
2 Playback            7sec Noplay
2 Label               Label :
Ok        Cancel      Ok        Cancel
                      Ok        Back
```
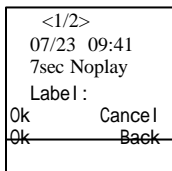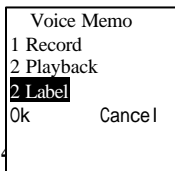
5-2-4.

Use the or key to select the one you want to delete, press Erase soft key to delete it.

5-2-5. Erase all
1. Press the or key to select *Delete all*, and press OK soft key .
2. When 'Delete all memos?' appears, press the Yes soft key to delete all memos or No soft key to cancel deleting.

5-3. PC sync
With this function, your PC can communication with your phone through "PC Sync Program", such as read and edit phonebook; read, edit and send a message; download ring tones, pictures, e-book and so on.

To use this function, you should enter the "PC Sync" window to switch off AT and activate PC Sync.

In the course of communication, don't exit this window and make sure that the data line is well connected. You can press   to exit.

Note: An incoming call maybe break PC Sync data transferring.
   Please refer to Help Menu of "PC Sync" for more detail operations.

5-4. Calculator
Allows you to use the phone as a calculator. The calculator provides the basic arithmetic functions: addition, subtraction, multiplication and division.

Performing a Calculation
1. Enter the first number using the numeric keys.
2. Press   to set the operator for your calculation referring to the screen: + (add), - (subtract), x (multiply), / (divide).
3. Enter the second number.
4. To calculate the result, press the OK soft key.
5. Repeat steps 1 to 4 as many times as required.

Each time you change the operator without pressing OK soft key, the previous calculation is performed and the result is displayed as the top number in the display.

Notes: 1) To erase any mistakes and clear the display, press the Clear soft key. You can reset the calculator by pressing the Reset soft key.
2) Use the OK or * key to enter a decimal point and the # key to change the sign of a number to a negative (-).

5-5. Countdown

By setting the Countdown, the phone will alert when the time is reached.

Enable: Set Time and Start the countdown.

> When the countdown starts, you can enter "Enable" menu to look over the time; press Stop soft key to cancel this countdown

5-6. World time

The display shows:
• City name
• Current date and time according to the time format setting (12/24 Hours)

| To…	Then…
Select the time zone	Press or
Select the city in the	Press or
same time zone.	
Make some settings (Set	Press Ok soft key,
as local, Enable DS,	Scroll to desired one
Disable DS)	

6.PRIVATE INFO

The Private menu allows you to maintain various private information and activate the password to keep the phone from being used by unauthorized persons.

6-1. Enable PWD

Using this menu, you can activate use of password for the Personal menu.

1. Scroll to Enable PWD, press the Ok soft key. You'll see:

```
┌─────────────────────────────┐
│                             │
│   Input PWD: |              │
│                             │
│              Cancel         │
│                             │
│                             │
└─────────────────────────────┘
```
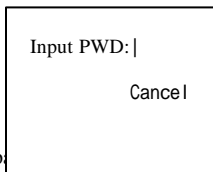
2. Enter the 4-digit p_____ s factory set to 0000 and
   you can not change it, press Ok. The password is enabled.
   Repeat the step 1, 2 to disable password.

*Note: When the password is enabled, you'll have to input the password
every time when you enter the Private info Menu.*

6-2.Calendar
When you enter this menu, a calendar is displayed with the current
date indicated by a point.

Scrolling through the Calendar
1. You can move the underscore to Year, Month and Day fields by
   pressing   or .
2. When the desired field is underlined, press the   or   to move up or
   down the date.
   You can also enter the desired date using the number keypad.

Enter the Calendar Menu
Highlight a desired date in calendar, press OK. The following
operations are available in this section.
1.   **Set**
To create a new log, you should:
(1) Select one at schedule:
• **Memo**: Make a note of general schedule, i.e. appointments or
           meetings.
• **Call**: Schedule a call.
• **Anniversary**: Select to make note of anniversaries.
(2) Enter a subject of your schedule up to 25 characters and press the

-65-

OK soft key. If you are scheduling a call, enter a phone number.
(3) Select the date and time when the scheduler alarms you the
    scheduled event.

*Note: At the specified time on the scheduled day, the alarm will sound
and the note will display. If you schedule a call, the phone will dial
    automatically.*

Log Set		abc @ 50	
1 Log Label		Jan. 18-Ran's	
2 Call		birthday	
2 Anniversary			
Ok	Cancel	Ok	Back

Input time		Ahead Of Time	
24 hour mode		1 On Time	
07:00		2. An Hour	
		3 One Day	
Ok	Back	Ok	Cancel

For example   as the above   nd the
phone will   18 is Ran's   Jan 17.

2.   Searc
(1) View the schedules you've set, press   or   to scroll through these
    notes.
(2) Select desired one, press Option soft key.
Change: Make some modifications to this note.
Delete: Delete this note.

3.   **Tone:** Select the type of alarm ringing.
4.   **Delete:** Delete the schedules.
●   One by one
●   All
●   Expired

6-3. Notes

You can store 10 notes in this box, up to 30 characters for each note.

6-4. Calls

This menu allows you to view the timers for calls made and received.
The following timers are available:
Incoming
Missed
Outgoing
The operations of the above three items you can refer to *Call list*.

Last: You can see the duration of the last call.
Total: You can see the duration of your total calls (incoming and
       outgoing).

For these two items, press the Reset soft key to reset the call timer as
zero or Cancel key to exit.

Charge info
Total charge: The total calls fee will be displayed and it also
       can be reset to zero with the Reset soft key. You must input
         PIN2 code when select Reset.
Max charge: Input a sum as max charge that can be used for
      making calls. When your call charge exceeds this limit, no
        more calls could be made (except free calls) unless you
        reset the sum. You must input PIN2 code when make
        modification.
Unit price: You can inquire and modify the unit price through
    this function. Input PIN2 code when making a modification.
Blacklist: The number in the blacklist could not be redial
        automatically. While redialing automatically, the phone
        judge automatically whether to continue redialing on the
        basis of the number of redialings and the failure cause. If
        the phone judge that the number should not be redialed, it
        will be stored in Blacklist.

7.AMUSEMENT

7-1.Games

7-1-1.Space arena
Start Game: Start a new game or continue the previous memory.
Game Setting : Configure your phone for the chosen game (backlight, sound and so on)
Instructions: Describes the rules of the game.
Scores: Enables you to view the scores recorded. You can also clear the scores.

Tip: Use the navigation keys to control the directions, left soft key to have a pause and right soft key to exit.

7-1-2. Tetris
Primary: With a slow descending speed.
Middle: With a medium descending speed.
Senior: With a high descending speed.
Beep: Switch on/off the sound.
Help: Describes the rules in the game.

7-1-3. Push box
Start: To start a new game.

Instructions: Describes the rules of the game.
Beep: Switch on/off the sound.

7-1-4.Throw egg
New game: To start a new game.
Continue: Enables you to continue the previous game.
Instructions: Describes the rules in the game.
Beep: Switch on/off the sound.

7-1-5.Snake
New game: To start a new game.
Game Setting : Configure your phone for the chosen game (level, sound)
Scores: Enables you to view the scores recorded. You can also clear the scores.
Help: Describes the rules in the game.

Tip: In the above games, You can also use the keys on the left side of the phone to adjust the tone.

7-2.Karaoke

You can enjoy music with words and flash animation through this music player. There're five songs stored in this player. Press   or   to scroll to your desired song.

To…	Then press…
Play/pause the song	Ok soft key
Repeat	Left soft key
Advance or back	or
Adjust the music scale	or
Exit	Right soft key

Download: You can download some songs then there are two operations available: Audition and Delete.

7-3.Music player

26 pieces titles are stored in this music box. Press   or   to scroll to the desired music.

To…	Then…
Play	Press
Stop	Press
Skip to the next	Press
Skip to the previous	Press

Press Option soft key for settings:
Open: Select it to play the music.
Loop: To play the music continuously.

7-4. Ebook
You can download up to 10 e-books to read through this function.
Please refer to RAF about how to download e-book.

Note: The content of every book can be up to 100k.

After a download, the following operations are available.
♦   Read Book:

To…	Then…
Browse on the same page	Press or
Turn on pages	Press or
Make a mark at the point where you stop reading	Press Bookmark soft key.
Exit	Press Cancel soft key

Delete: To delete any book you've downloaded.
Set color: Choose one color as the background color of your book.

8. SMS

The SMS (Short Message Service) function is a network service and may not be supported by your network. Message can be sent by text, fax, E-mail and paging messaging systems, to send text messages by phone, you must obtain the number of the SMS center from your service provider. This number may be automatically available from your SIM.

Two message boxes are available: Personal SM and Broadcasting SM.

Personal SM: It is the message which the mobile users uses to transmit information.

Broadcast SM: If you select this option, you can receive public information from Network Operators such as Weather Broadcasting and so on.

SM Indicator: When you receive a new message,　　 and ⊠ will appear respectively in the　　　　 internal and external screen. If the message memory is full,　　　　 is displayed　　　 and you cannot receive or save any new messages. Use the 'Delete' menu to delete obsolete messages.

Note: In standby mode ,use ☏ or after entering Main menu to select Message, both can enter Message option. But if your SIM card has the function of STK, you can only use the former.

8-1. Read

8-1-1. Inbox

Inbox stores the messages that you have received, the one with '*' is new message.

1. Press ▲ ▼ key to choose the desired message.
2. Press Ok soft key to view details of message.
3. Press 'Option' left soft key and you can operate as follows:

Reply: Reply to the sender. You can write a new message and then choose 'Send', 'Store & Send', 'Store' or 'Multiple Send'.

Forward: Send the received message to others. You can edit the message and then choose 'Send', 'Store & Send', 'Store' or 'Mul Send'

Extract number: you can extract numbers from this message.

Delete: Delete this message.

8-1-2.Outbox

Outbox stores the messages that you have already sent or are waiting to be sent. A message with '*' is unsent message.

1. Press ▲ ▼ key to choose the desired message.
2. Press Ok soft key to view details of message.
3. Press 'Option' soft key and you can operate as follows:

Write: You can write a piece of new message or edit the message and then choose 'Send', 'Store & Send', 'Store' or 'Mul Send'to do with the Message.

Extract number: you can extract numbers from this message.

Delete: Delete this message.

8-2. Write

The text message can be made up of 160 characters at the most. After inputting the text message, press Ok soft key and you have the following options:

Send: send the message.

Send /Store: Allow you to save and send the message. The message is stored in the outbox even if it fails to be transmitted.

Save: Allows you to save the message so that it can be send later.

Multiple send: Allow you to send the message to multi receivers. You can send the message to less than 5 phone numbers.

Finally, press Ok soft key. The number you last send a message to is displayed.

To…	Then…
Send this message to this number	Press OK soft key
Input a new number	Hold Delete soft key to erase then input new number
Search a number from PB	Hold Delete soft key to erase then press Search soft key

8-3. Delete
You can delete the messages in Inbox or Outbox.

For example: Press 'Select' left soft key to select 'Inbox', select 'One By One', press ▲ ▼ keys to select the message you want and then press 'Delete' left soft key to delete it. You can also select 'Delete All' to delete all messages in the inbox.

8-4. Memory
You can select the menu to check total space and space and available space.

8-5. Settings
Auto display: Select this function and press 'Ok' soft key. When you receive a new message, it can display automatically. You can select 'Cancel' to cancel this function.

SMS center: Allows you to store or change the number for your SMS center for sending messages. You can obtain this number from your service provider.

Validity: Allow you to set the length of time for which your text messages will be stored at the message center while

attempts are made to deliver them to you. 1 hour, 6 hours, 12 hours, 1 day, 2 days, 1 week, and Max are available.

Status report: You can select 'On' to require the SMS center to notify whether your message has been sent or not.

SMS PWD: You can select '**On'** to require SIM Lock Code when the user wants to read inbox and outbox.

SMS tone: You can choose the tunes for alerting an new message.

8-6. Broadcast

You can receive broadcast messages such as weather or traffic reports via this network service.

Read: You can view the up to date broadcast message .

Auto display: If you set this function '**on'**, messages are displayed immediately when they are received.

Filter: Help you choose the channels you like to receive broadcast messages from.

Languages: Helps you select the language you prefer in which the broadcast message is displayed.

Note:
 Language support depends on the Network operator.

8-7. Voice Mail

This menu provides you with a quick way of accessing your voice mail (if provided by your network):

Number: Allow you to input the mailbox number obtained from your service provider.

Call: press the 'Send' soft key to listen to your messages.

8-8. Templates

Several customs short message have been stored which you can edit and/ or send conveniently.

REFERENCE INFORMATION

Access Codes

There are several access codes that are used by your phone and its SIM card. These codes help you protect the phone against unauthorized use.

Phone Password

The security code can be used to avoid unauthorized use of your phone. The security code is set at 0000 at the factory.

Change the security code before you start using your phone. Keep the new code secret and in a safe place, which is separate from the phone.

PIN Code

The PIN (Personal Identification Number) code protects your SIM card against unauthorized use. The PIN code is usually supplied with the SIM card. When the PIN code request is enabled, the code is asked for when the phone is switched on.

If you key in an incorrect PIN code three times in succession, the SIM card will be locked. To unlock the SIM card, you'd key in the PUK code see below and press the **OK** soft key, and key in a new PIN code twice.

PIN2 code

The PIN2 code, supplied with some SIM cards, is required to access some of the functions, such as charging unit counters. These functions are only available if supported by your SIM card.

If you key in an incorrect PIN2 code three times in succession, the PIN2 will be locked. To unlock the PIN2, you'd key in the PUK2 code and press the **OK** soft key (or **OK** key), and key in a new PIN2 code twice.

PUK code
The PUK (Personal Unblocking Key) code is required to change a blocked PIN code. The PUK code may be supplied with the SIM card. If not, contact your local service provider for the code.

If you key in an incorrect PUK code ten times in succession, the SIM card cannot be used anymore. Contact your service provider for a new card.

You cannot change the PUK code. If you lose the code, contact your service provider.

PUK2 code
The PUK2 code, supplied with some SIM cards, is required to change a blocked PIN2 code.

If you key in an incorrect PUK2 code ten times in succession, you cannot use the functions requiring the PIN2 code. Contact your service provider for a new card.

You cannot change the PUK2 code. If you lose the code, contact your service provider.

Using the Batteries

A rechargeable Li-ion standard battery powers your phone. The following batteries are also available (ask your local dealer for further details):

Type	Capacity	Talk Time	Standby Time
Li-ion Slim	550mAh	3~6hrs	50~100hrs
Li-ion Standard	950mAh	4~8hrs	90~150hrs

Precautions When Using Batteries

You should fully charge the battery before using it for the first time, (over 10 hours for the first several times), then recharge it for the following time when the phone indicates 'Battery low'. The battery will be activated to the optimal status if you charge it in this way for several times; there will be not the above limitation in the following usage, but you'd better charge the battery for 2-4 hours to fully charge it.

Never use any charger or battery that is damaged in any way.

Use the battery only for its intended purpose.

If you use the phone near the network's base station, it uses less

power; talk and standby times are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.

Battery charging times depend on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.

If left unused, a fully charged battery will discharge itself over time.

Use only approved batteries; and recharge your battery only with approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.

Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first. Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C.

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the back of the battery), for example when you carry a spare battery in a pocket

or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuit.

Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you to fulfill any warranty obligations and allow you to enjoy this product for many years. When using your phone, battery, charger, or any accessory:

Keep it and all its parts and accessories out of small children's reach.

Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.

Do not use or store it in dusty, dirty areas as its moving parts can be damaged.

Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.

Do not store it in cold areas. When the phone warms up (to its normal operating temperature), moisture can form inside the phone, which may damage the phone's electronic circuit boards.

Do not drop, knock or shake it. Rough handling can break internal circuit boards.

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Do not paint it. Paint can clog the device's moving parts and prevent proper operation.

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications of attachments could damage the phone and may violate regulations governing radio devices.

If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility.

This phone features large inner & outer display screens, which are damageable. Please be most careful to avoid dropping or knocking it or scratch it with a sharp object.

GLOSSARY

Antenna

A device for transmitting or receiving signals. The size and shape of antennas is determined, in part, by the frequency of the signal they receive. Wireless phones and the base station must have antennas.

ALS (Alternate Line Service)

ALS provides the capability of associating two alternate lines with one SIM card. You can make and receive calls on either line as desired with this service.

Call Barring

Ability to restrict outgoing and incoming calls.

Call Diverting

Ability to reroute calls to another mobile or fixed line.

Call Holding

Ability to put one call on standby while answering or making another call; you can then switch between the two calls, as required.

Call Waiting

Ability to inform users that they have an incoming call when engaged on another call.

Conference Calling

Ability to establish a conference call involving up to five additional parties.

DTMF (Dual-Tone Modulated Frequency)

You send DTMF signals when you enter numbers by pressing the digit keys.

Hands-Free

A feature that permits a driver to use a wireless phone without lifting or holding the handset - an important safety feature for automobiles, tractors and most other motorized vehicles.

GSM (Global System for Mobile communication)

International standard for cellular communication, guaranteeing compatibility between the various network operators. GSM covers most European countries and many other parts of the world.

LCD (Liquid Crystal Display)

Commonly used to refer to the screen display on the wireless phone.

LED (Light Emitting Diode)

Commonly used to refer to a small light on the wireless phone or on the Desktop Charger. The LED lights on the phone to indicate an incoming call. The lights on the charger indicate that battery charging is taking place.

Line Identification Services

Service allowing subscribers to view or block the telephone numbers of callers.

PIN (Personal Identification Number)

Security code that protects the phone against unauthorised use. The PIN is supplied by the service provider with the SIM card. It may be a four to eight-digit number and can be changed, as required.

PUK (PIN Unlocking Key)

Security code used to unlock the phone when an incorrect PIN has been entered three times in succession. The eight-digit number is supplied by the service provider with the SIM card.

Roaming

Use of your phone when you are outside your home area (when

traveling for example).

SIM (Subscriber Identification Module)
Card containing a chip with all the information required to operate the phone (network and memory information, as well as the subscriber's personal data). The SIM card fits into a small slot on the back of the phone and is protected by the battery.

SMS (Short Message Service)
Network service sending and receiving messages to and from another subscriber without having to speak to the correspondent. The message created or received (up to 160 characters long) can be displayed, received, edited or sent.

Soft Keys
Keys marked • and **o** on the phone, the purpose of which:
• Varies according to the function that you are currently using
• Is indicated on the bottom line of the display just above the corresponding key

Voice Mail
Computerized answering service that automatically answers your calls when you are not available, plays a greeting (Optionally in your own voice) or records a message.

TROUBLESHOOTING

If the phone does not works properly, please check the following troubleshooting tips and find a solution. If you can't solve the problems, please contact your local dealer for helps.

Problem	Solution
Cannot make or receive calls.	Check whether the phone is turnedon . Check whether the battery is changed . Check whether the field signal strength is adequate. Check the Call Barring, SDN or the other options in Call Set menu. Check the Call Divert Status . Check whether the SIM card is placed properly.
Conversation volume is low.	Check the Voice Volume too low.
Does not ring when an incoming calls comes in.	Check whether the Silent or Vibrator modes have been selected. Check whether the ring volume is set too low. Check whether the surrounding noise is too loud. Check the Call Divert is on.
LCD is not clear.	Check whether the LCD Contrast is set too low.
The keypad does not work	Check whether the keypad is locked or not.
The other part cannot hear you.	Check whether the Mute option is on. Speak closer to the microphone.