

X100SA Phone

Owner's Manual

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Safety Precautions

Read these simple guidelines. Failure to comply with them may be dangerous or illegal. For more detailed safety information, see "Reference Information" on page 142.

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 when refueling

Do not use the phone at a refueling point (service station) or near fuels or chemicals.

Switch off on aircraft

Mobile phones can cause interference. Using them on aircraft is both illegal and dangerous.

Switch off in hospital

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

Respect special regulations

Follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

Interference

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

Use qualified service

Only qualified service personnel must repair equipment.

Use sensibly

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

Accessories and batteries

Use only approved accessories and batteries.

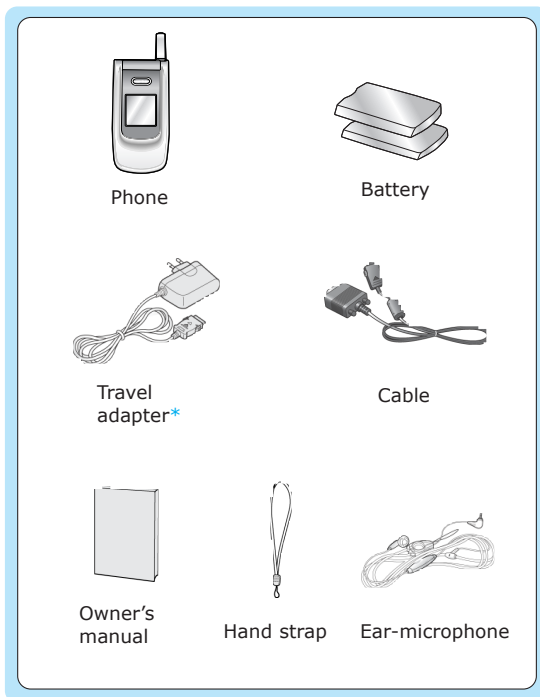
Radio frequency exposure information

In August 1996, the Federal Communications Commission (FCC) of the U.S. adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. These guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 15 mm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

Unpacking

Your package contains the following items:



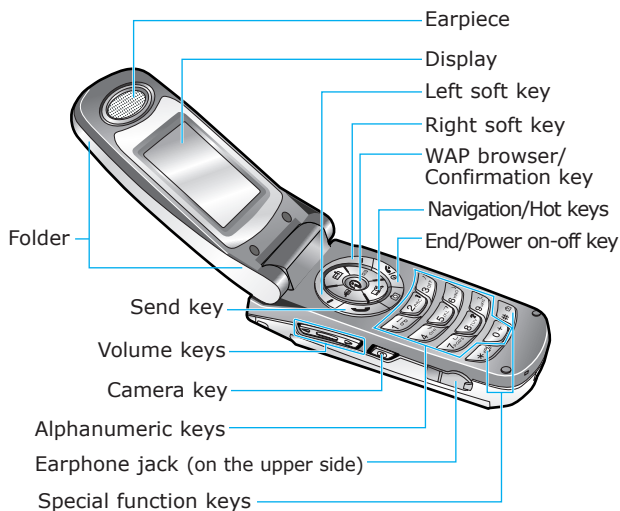
* The shape of the plug varies according to each country's specification.

Your Phone

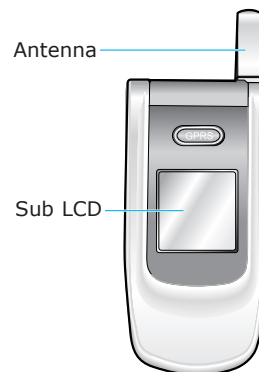
Your Phone's parts

The following illustrations show the main elements of your phone:

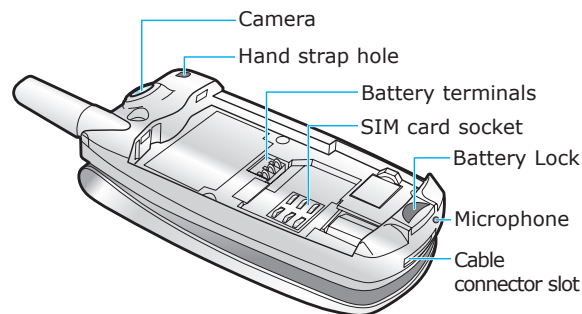
Open View



Closed View



Rear view



Key(s)

Description



Performs the functions indicated by the text above them, on the bottom line of the display.



In Standby Mode, this key can be used to access the Internet browser. In some features, this key also can be used as a confirmation key or a soft key.



In Menu Mode, scrolls through the menu options.
In Standby Mode, accesses the following menus:

- ▲ (): GAME
- ▼ (): CALL RECORD
- ◀ (): FAVORITE
- ▶ (): MESSAGES



Makes or answers a call.
In Standby Mode, recalls the last dialed number.



Ends a call. Also switches the phone on and off when pressed and held.
In Menu Mode, cancels your input and returns to Standby Mode.



Enters into the Camera mode. Press the Camera key on the center of keypad to directly access the shot mode. Press the Camera key short to display the option menu.



Enters numbers, letters and some special characters.
In Standby Mode, the **1** key immediately connects you to the Voice Mail server.



Use these keys for various special functions.



Key(s)

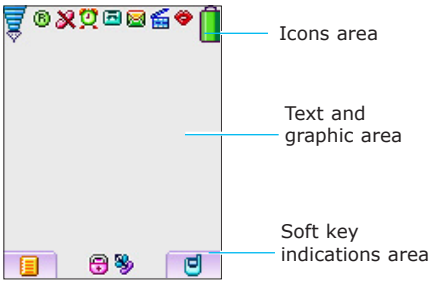
Description



(on the side of the phone)
During a call, adjusts the voice volume.
In Standby Mode, adjusts the key tone volume.












Display







The display has three areas.



Area	Description
Icons area	Displays various icons (see page 14).
Text and graphic area	Displays messages, instructions and any information that you enter (number to be dialed, for example)
Soft key indications area	Shows the functions currently assigned to two soft keys.

Icons

- 1  **Signal Strength:** Shows the received signal strength. The greater the number of bars, the stronger the signal.
- 2  **No Service:** Appears when you are outside a service area. When it is displayed, you cannot make or receive calls.
- 3  **Service:** Appears when a call is in progress.
- 4  **Roaming:** Appears when you are out of your home area and have registered onto a different network; for example, when traveling in other countries.
- 5  **New Text Message:** Indicates that there is a new message waiting to be checked.
- 6  **New MMS Icon:** Indicates that there is a new MMS message waiting to be checked.
- 7  **New Voice Mail:** Indicates that there is a new voice mail waiting to be checked.
- 8  **Alarm:** Appears when you set an alarm.
- 9  **Key Lock:** Indicates that the phone's keys are locked.
- 10  **Battery Status:** Shows the level of your battery. The more black area you see, the more power you have left.
- 11  **GPRS:** shows the status that data can be received and sent using the packet.

- 12  **Manner:** Indicates that all tones are off.
- 13  **Ring:** The phone is set to ring when a call comes in.
- 14  **Vibrator:** The phone is set to vibrate when a call comes in.
- 15  **Vib+Ring:** The phone is set to ring and vibrate when a call comes in.
- 16  **Silent:** The phone is set to blink LED when a call comes in.
- 17  **Call Divert:** The call divert for calls is set by user.

Sub LCD

Your phone has an external LCD screen on the folder. When the folder is closed, it indicates that you have an incoming call or message. It also alerts you when you have set an alarm at the specified time by flashing its backlight and showing the corresponding icon on it.

Keypad Backlight

The backlight illuminates the display and keypad. When you press a key or open the folder, the backlight turns on. The keypad turns off if no key is pressed within a given period of time, depending on the **Key Back Light** menu option under the **PHONE SET** menu.

To specify the length of time the phone waits before the key backlight turns off, set the **Key Back Light** menu option (**Menu 3-4**); see page 95 for further details.

Color LED

Your phone has a unique color LED on the folder. It flashes to indicate various phone's status. The LED blinks in the following colors depending on the status:

When you connect the adapter to charge the phone, the LED grows on red while it is charged, and grows on blue once it is fully charged. When you do not charge your phone, the LED blinks red once every 8 seconds if it is in Net-work No Service status, and blinks blue if it is in Network Service status. The LED blinks violet once every 5 seconds if there is a missed call as you missed an incoming call.

It also blinks for a few seconds when you turn the phone on or off.

You can specify if you want to use this LED or not via the **LED Color** menu (**Menu 3-6**). You can also change the color or pattern of lighting in the menu. See page 95 for further details.




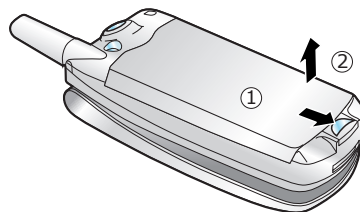
Getting Started

Installing a SIM Card

When you subscribe to a mobile network, you are provided with a plug-in SIM card loaded with your subscription details, such as PIN, optional services available and so on.

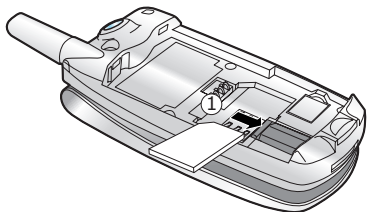
Note: The plug-in SIM card and its contacts can be easily damaged by scratches or bending, so be careful when handling, inserting or removing the card. Follow the instructions supplied with the SIM card. Keep all SIM cards out of the reach of small children.

1. If necessary, switch the phone off by pressing and holding the  key.
2. Remove the battery. To do so:
 - ① Pull the battery lock above the battery toward the bottom of the phone and hold it.
 - ② Lift the battery away, as shown.



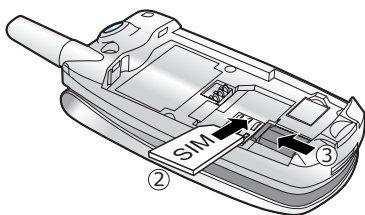
3. Install a SIM card. To do so:

- ① Slide the metal lock as shown.



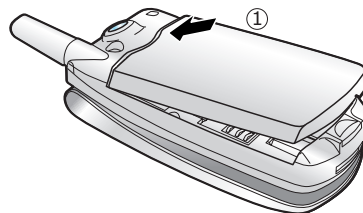
- ② Insert the SIM card into the SIM card socket. Make sure that the notched corner is at the top right and the golden contact area on the card is facing downwards.

- ③ Replace the metal lock so that it locks the card.

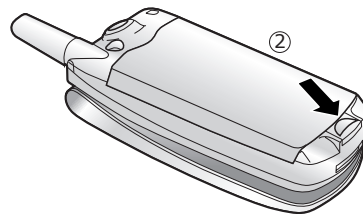


4. Reinstall the battery. To do so:

- ① Place the battery so that the tabs on its end align to the slots at the top of the phone.



- ② Press the battery until it clicks into place. Make sure that the battery is properly installed before switching the phone on.



Charging the Battery

Your phone is powered by a rechargeable Li-ion battery.

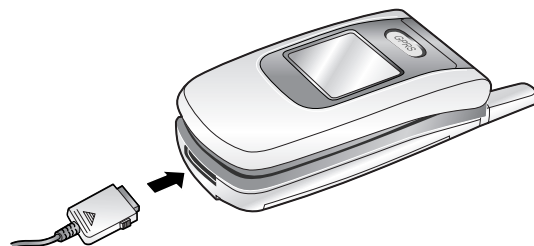
A travel adapter comes with your phone. Use only approved batteries and chargers. Ask your local dealer for further details.

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

Charging the Battery with the Travel Adapter

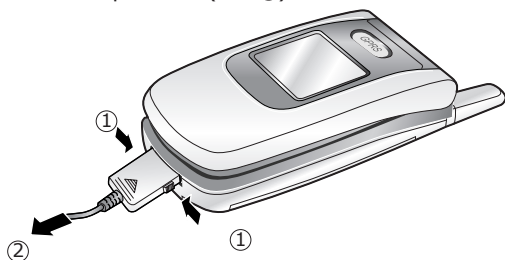
You can use the phone while charging the battery attached to the phone.

1. With the battery in position on the phone, plug the connector of the travel adapter into the connector slot at the bottom of the phone.




2. Plug the adapter into a standard AC wall outlet.

- When charging is finished the LED turns to blue unplug the adapter from the AC wall outlet and from the phone. To remove the adapter from the phone, press the buttons on both sides of the connector (see ①) and pull the adapter out (see ②).




Low Battery Indicator


When the battery charge level is low, a text message and an empty battery status icon  appears at the top right of the display.

When the battery level gets too low, the phone turns off automatically. Unfortunately, if this happens, you lose whatever you are doing and your phone call cuts off. Watch the battery status icon and make sure your battery is adequately charged.

Switching the Phone On or Off


- Open the folder.
- Press and hold the  key for more than one second to switch the phone on.

If you switch the phone on without a SIM card, the phone prompts you to insert the card. You can only make emergency calls by pressing the  soft key.

- When the PIN code of your SIM card is enabled, your phone asks you to enter the PIN (see page 143). Enter the code, and press the  soft key. Then your phone connects to the GSM network.

The color LED on the folder of the phone flashes and an alert sounds. When your phone locates services, you can see the idle screens on both the main and sub LCD.

If the phone is out of the service area, **No Service** appears on 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 service.

4. When you wish to switch the phone off, hold the  key for more than two seconds.




WARNING!





Do not switch the phone on when 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 the 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 most basic state of your phone. The phone goes into Standby Mode after you turn it on, or whenever you briefly press the  key. 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, or press the  soft key to save it in the internal Phonebook.



Press the  key at any time to return to Standby Mode. Be careful; if you are on a call when you press the  key, your phone disconnects the call and returns to Standby Mode. Press the  or  soft key several times or hold it down to return to Standby Mode without ending the call.


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 the talk mode, pressing the  soft key gives you a list of options. See page 37 for details.

Locking the Keys



Use the Key Lock feature to make sure that the keys are not pressed accidentally, such as when the phone slips around inside a briefcase.

In Standby Mode, press and hold the  key. "Key Locked" appears on the display and the keys are immediately locked. Note that you can switch the phone off then on by pressing and holding the  key.

Once the keys are locked, the Key Lock icon  appears on the bottom of the screen.

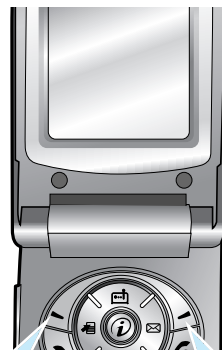
To unlock the keys, press and hold the  key again. "Key Unlocked" appears on the display.

Using the Soft Keys

Your phone offers a set of functions that allows you to customize it. These functions are arranged in menus and sub-menus, accessed via the two soft keys ( and ). Each menu and sub-menu allows you to view and alter the settings of a particular function.































The roles of the soft keys vary according to the current context; the label on the bottom line of the display just above each key indicates its current role.

Example:







Press the left soft key to enter Menu Mode.

Press the right soft key to enter the Phonebook feature.





	Menu	PBook	
	OK	Back	
	Yes	No	
	Reject	Accept	
	Read	Exit	
	Play	Stop	
	Up/down	Up/down, right/left	
	Confirm	Shoot	
	Save	Option	
	OFF	Search	
	List	Add	
	Clear	Delete	
	Reset	Right/Left	
	Edit	Unit	
	Send	SOS	

To view the various functions/options available and select the one required:

1. Press the appropriate soft key.

2. To	Press the
select the: • function displayed or • option highlighted	 soft key or the  key.
move up or down in the structure	▲ or ▼ key.
move right or left in the structure	◀ or ▶ key
move back up one level in the structure	 soft key.
exit the structure without changing the settings	 key.


Example: Setting the Display Language


- 1. When the idle screen displays, press the  soft key to enter Menu Mode.
- 2. Scroll through the menus until you reach the **PHONE SET** menu, by pressing the ▲ or ▼ key repeatedly.
- 3. To enter the **PHONE SET** menu, press the  soft key.
- 4. Scroll through the sub-menus until you reach the **Language** sub-menu, by pressing ▲ or ▼ key.
- 5. To view the languages available, press the  soft key. The display shows the current setting.
- 6. Find the appropriate language by pressing the ▲ or ▼ key.
- 7. Press the  soft key to confirm your selection. The phone returns to Standby Mode.

Call Functions

Making a Call




- To make a call:
- 1. In Standby Mode, enter the area code and phone number.

Note: While entering the number, pressing and holding down the  key inserts a pause, indicated by "P." The number after a pause is sent a few seconds after dialing the first number.


- 2. Press the  key. The phone places the call to the entered number.

Note:: If you set the **Auto Redial** menu (**Menu 4-6-3**) to **On**, the phone automatically retries to make the call when no one answers or the line is busy. For further details, see page 106.


Correcting the Number

To clear	Press
the last digit displayed	the  soft key
any other digit in the number	the ◀ or ▶ key until the cursor is to the right of the digit to be cleared. Press the  soft key. You can also insert a missing digit in the cursor position simply by pressing the appropriate key.
the whole display	and hold down the  soft key for more than one second.

Ending a Call

If you want to end a call, press the  key. Or, simply close the folder to end a call.


Making an International Call

1. Press and hold the **0** key for the international prefix.
The **+** appears on the display.
2. Enter the country code, area code, and phone number, then press the  key to begin dialing.

Making a Call from Phonebook

You can store the phone numbers that you use regularly in called Phonebook. Simply select a name to recall the associated number to dial. For further details about the Phonebook features, see page 43.

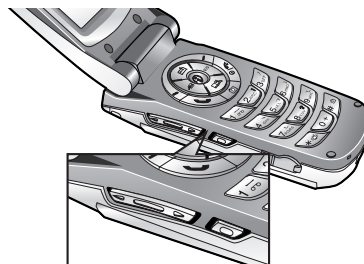
Redialing the Last Number

To redial the last number you dialed, press the  key twice in Standby Mode.

Your phone stores up to 30 of the last numbers you dialed in Call Records. To recall any of these numbers, refer to “Dialed Numbers” on page 53.

Adjusting the Volume

During a call, if you want to adjust the voice volume, use the volume keys on the left side of the phone.





In Standby Mode, you can adjust the key tone volume using the volume keys.



Answering a Call

When someone calls you, the phone alerts you by ringing, blinking the color LED and displaying the call alert screen.


If you are subscribed to the Caller Line Identification service and the caller can be identified, the caller's phone number or name and image if stored in your Phonebook, displays. Contact your service provider for availability.

You can reject the call by pressing and holding the volume keys before opening the folder.

1. If the **Answer Key** menu (**Menu 4-6-1**) is set to **Any Key**, open the folder or press any key except the  key and the  soft key to answer the call.

If the menu is set to **Send Key**, you must press the  key or the  soft key to answer the call.

To reject the call, press the  key or the  soft key.

2. You may end the call by closing the folder or pressing the  key.

Note:


1. You can answer a call while using the Phonebook or Menu features. The current operation stops.
2. You can see the name and image (if exist in your phonebook) when incoming/outgoing call animation started.

Viewing Missed Calls





If you are unable to answer a call for any reason, you can find out who is calling you, if this service is available so that you can call the person back. Contact your service provider for availability.

The number of missed calls displays on the idle screen immediately after the call was missed.


To view the missed call immediately:

1. If the folder is	Then
closed	look at the sub LCD screen.
open	press the  soft key.


The number corresponding to the most recent missed call displays, if available.

2. To	Press the
scroll through the missed calls	 or  key.
call the number displayed	 key.
save or delete a missed call number	 soft key.

Quickly Switching to Manner Mode

You can quickly switch your phone to Manner Mode with a touch of the  key. In the manner mode, all of the sounds of your phone are deactivated and the phone alerts you to incoming calls by vibrating the phone instead of ringing. This feature is convenient when you are in a hurry to mute the phone sounds as when in a theater, for example.

Press and hold the  key until the Manner icon  appears on the bottom of the display. Your phone goes to the manner mode immediately.

To return to the normal mode, press and hold the  key again.


Options During a Call

Your phone provides a number of functions that you can use during a call. As many of the functions are network services, you may not be able to use all of them at all times.


Putting a Call on Hold

You can place the current call on hold whenever you want. By doing this, you can make or receive another call while you have a call in progress if your network supports this service.

To make a call while you have a call in progress:

1. During a call, press the  key.








Or, press the  soft key and press the  soft key when **Hold** highlights.

2. The current call is put on hold.
3. If there is a waiting call, press the  key to answer the call.

If you want to make a call, dial the number in the normal way.

Disconnecting the Calls

When you have an active call and the call on hold, you can disconnect both calls at one time.





1. Press the  soft key to enter In-call Options.
2. Press the  or  key to scroll to **Disconnect** and press the  soft key.
3. Press the  or  key to scroll to call you want to disconnect.
4. Press the  soft key.

Muting the Microphone





You can temporarily switch your phone's microphone off so that the other person cannot hear you.

Example: You wish to say something to another person in the room but do not want the other person to hear you.

To switch the microphone off temporarily:


1. During a call, press the  soft key to enter In-call Options.
2. Press the  or  key to scroll to **Mute On**.
3. Press the  soft key.
The other person can no longer hear you.

To switch the microphone back on:

1. Press the  soft key to enter In-call Options.
2. Press the  or  key to scroll to **Mute Off**.
3. Press the  soft key.
The other person can hear you again.

Using the Scratch Pad





Your phone has a convenient feature for entering a phone number while you are on a call as if it were a note pad:

1. During a call, just key in a phone number
The phone number displays as you enter it.
2. Press the  soft key to save the entered number.
3. When the call ends, you can check the saved number via the **Scratch Pad** option in **PB Manage** of the Phonebook menus. See page 52.





Sending DTMF Tones

Each time you press the keys, your phone sends out DTMF (Dual Tone Multi-Frequency) which are set at the factory. DTMF tones are required to use electronic phone services, such as bank-by-phone or voicemail.

If you do not want to annoy the other person by DTMF tones when pressing the keys during a call, take the following steps to mute them:



1. During a call, press the  soft key.
2. Press the  or  key to scroll to **DTMF Off**.
3. Press the  soft key.

To reactivate your DTMF tones:

1. During a call, press the  soft key.
2. Press the  or  key to scroll to **DTMF On**.
3. Press the  soft key.

Using the Message Service

Your phone receives an incoming message during a call. You can read it immediately without disconnecting the call. You can also send a message during a call.

1. During a call, press the  soft key.
2. Select the **Message** option and press the  soft key.

The phone enters the **Message** menu. For details about using the message service, see page 56.

Using the Ear-microphone

Using the ear-microphone supplied with your phone, you can answer an incoming call without holding the phone.

Connect the ear-microphone to the jack on the top of the phone.



When the phone rings, press and hold the button on the ear-microphone for more than 1 second to answer the call.

To end the call, press and hold the button for more than 1 second.



Note: If you receive a second call during a call, pressing and holding the button for more than 1 second will put the first call on hold and answer the second call.

Phonebook

You can store phone numbers and their corresponding names in the phone memory. You can store up to 250 entries in the phone memory, called Phonebook.

The phone number will be saved in the phone's memory rather than SIM.

When you buy this phone and access the Phonebook menu for the first time, it will pop up the message asking you whether you want to copy all the phone numbers in the SIM to your phone.

Select the  soft key if you want to copy all, and select the  soft key if you don't want to copy all. When you select to copy all, an image will appear, showing that all phone numbers are copied to the phone. If there is a same phone number in the phone memory, it will not be copied to the phone.

When the phone finishes copying, it will display the results of copy and access to the Phonebook menu. The phone number of SIM will be saved in the lowest(first) level number among the Multi-Address of the phone.

When you insert other SIM, it will operate in the way same as indicated above.

That is, when the SIM is changed, it will ask whether to copy the phone numbers in the SIM to the phone's memory.







If the SIM is not changed, it will not ask whether to copy.

You cannot save e-mail address only without entering the phone number.

Storing a Phone Number in Phonebook



You can store a phone number in the internal Phonebook in two different ways.

To store a phone number in Standby Mode without accessing the Phonebook menu:



1. Enter the number you want to store.
2. Press the  soft key to go to the Add Entry of the Phonebook directly.
3. Press the ◀ or ▶ key to change to the image you want.
4. Press the ▲ or ▼ key to move to the fields you want such as Name field, Phone Number field and E-mail Field.
To enter the name for the phone number you entered, press the ▼ key to go to the Name field.
Press the  key to activate this field.
Enter the name and press the  soft key.
For information about how to Enter the name you want to store, see page 73.
5. Press the ▼ key to move to the next field.
3 Phone Number fields and 1 E-mail field are available. Press the  key to activate the field. Press the  soft key to delete the number one by one and press the  soft key to save.



Press the ▼ key to go to the next Phone Number field.


Repeat the steps shown above to save other phone numbers including home phone, office phone or mobile phone number.





6. Press the ▼ key to go to the E-mail field.
Press the  key to activate the field and enter the e-mail address.
7. Press the  soft key. The Save popup window appears and the number is auto-matically saved in the first available location in the phone, The phone automatically returns to Standby mode.




To store a phone number by using the Phonebook menu:

1. In Standby Mode, press the  soft key. The PHONEBOOK options display.
2. Press the ▲ or ▼ key to scroll to **Add Entry** and press the  soft key.
3. Press the ◀ or ▶ key to change to the image you want.
4. Press the ▲ or ▼ key to move to the fields you want such as Name field, Phone Number field and E-mail Field.
To enter the name for the phone number you entered, press the ▼ key to go to the Name field.

Press the  key to activate this field. Enter the name and press the  soft key.
For information about how to enter text, see page 73.

5. Press the  key to move to the next field. 3 Phone Number fields and 1 E-mail field are available.



Press the  key to activate the field.
Press the  soft key to delete the number one by one and press the  soft key to save.
Press the  key to go to the next Phone Number field.
Repeat the steps shown above to save other phone numbers including home phone, office phone or mobile phone number.

6. Press the  key to go to the E-mail field.
Press the  key to activate the field and enter the e-mail address.
For more information about how to enter e-mail address, see page 73.
7. Press the  soft key. The Save popup window appears and the number is automatically saved in the first available location in the phone.

SIM Manage:

This option allows you to copy, copy all, delete, or delete all the entries in the sim.

When you select the SIM Manager, the list of phone number will appear.

Press the  or  to select the phone number you want to manage.

You can copy the phone number saved in the SIM to phone memory or delete it from the SIM.

You can also copy all phone numbers saved in the sim to phone memory or delete all from the SIM.








The phone number is saved in the multi-address when it is saved in the phone, and only one number can be saved in the SIM. When you copy the number saved in the phone to the SIM, you can copy only one phone number saved in the lowest level number among the Multi-Address saved in the phone. It will search the phone number from the first level and go to the next level if there is no number in the first level, and will save the phone number found first.

When you copy the phone numbers saved in the phone to the SIM, they will be copied to the SIM. If there is a same phone number in SIM, it will not be copied to the SIM.






Using Speed Dials

Once you have created Phonebook entries, you can assign a speed dial number in a selected Phonebook entry. Then, you can speed-dial the Phonebook entry with one key press. You can assign up to 8 speed dials.

To assign a speed dial number:

1. In Standby Mode, press the  soft key.
The PHONEBOOK options display.
2. Press the  or  key to scroll to **Speed Dials** and press the  soft key.
The Speed Dials list displays.
3. Press the  or  key to select an empty location from 2 to 9 and press the  soft key.













Note: Speed Dial location 1 is reserved for your Voice Center number.

4. Search the phonebook entry by entering the first few letters of the name and press the  soft key. For information on how to enter the name, see page 73.
The list of the names beginning with the characters you entered displays.
5. Press the  or  key to scroll through the names on the list.
6. When you find the name, press the  soft key.
The name displays on the Speed Dials list.
7. To return to Standby Mode, press the  key.

To speed-dial a number:

1. In Standby Mode, press and hold the speed dial number from **2** to **9** for about 2 seconds.
2. The phone number that was stored in the speed dial location dials.

To change or delete the speed dial assignment:

1. In Standby Mode, press the  soft key.
The PHONEBOOK options display.
2. Press the  or  key to scroll to **Speed Dials** and press the  soft key. The Speed Dials list displays.
3. Press the  or  key to select the speed dial location and press the  soft key.
4. If there is no entry in the location you selected, Name Search screen will appear. Enter the name to search for the names on the list containing the character you entered. Scan through the list and select the entry you want. If there is an entry in the location you selected, the phone shows the name and phone number stored in the location. Press the  soft key.
5. Press the  or  key to select the option and press the  soft key.
6. To return to Standby Mode, press the  key.






Using Caller Groups

You can use caller groups to add Phonebook entries to a caller group so that the phone alerts you in a particular ring when the person in the group calls you.
You can create up to 10 caller groups and add up to 10 Phonebook entries to one group.

Searching for a Number in Phonebook





After storing numbers in Phonebook, you can search for them in two ways; searching by name and searching by number.

Searching by Name

1. In Standby Mode, press the  soft key. The PHONEBOOK options display.
2. Press the  or  key to scroll to **Name Search** and press the  soft key.
3. Enter the name and press the  soft key.

Note: For information on how to enter text, see page 73.

4. The phone searches for the names on the list containing that character(s), and then displays the first name in that section of the list.

5. If you want another entry, press the  or  key to scan through the list.
6. Press the  key to dial the number of the entry.
If you press the  soft key when you select a Phonebook entry, you can use the following options - Details, Change, Copy, Copy All, Delete, Delete All.








Searching for DDD Numbers

This menu allows you to find a DDD number (Direct Distance Dialing) before dialing.

Managing Phonebook

The **PB Manage** option in the **Phonebook** menu allows you to manage your phonebook.

To access the PB Manage option:

1. In Standby Mode, press the  soft key. The PHONEBOOK options display.
2. Press the  or  key to scroll to **PB Manage** and press the  soft key.
3. Press the  or  key to select an option and press the  soft key.

You can use the following PB Manage options:


Own Number

This option allows you to:

- store your own phone numbers with a name
- edit the names and number.

Once you store the numbers, you can see the number list when you access the **Own Number** menu.

Scratch Pad

This option allows you to view the number saved using the Scratch Pad feature during a call. For details about using the Scratch Pad, see page 39. To save the displayed number, press the  soft key. You can make a call directly using this function directly.

Memory Status

This option allows you to check how many entries are currently stored in Phonebook; SIM card and Phone memories. You can also see the capacity of both memories.

Call Record








Your phone keeps track of calls made from your phone, received calls and missed calls. When you access the **CALL RECORD** menu, you can view the list of calls.

The numbers are continually updated as new numbers are added to the beginning of the list and the oldest entries are removed from the bottom of the list.

Viewing Dialed Numbers

You can view the last 30 numbers that you dialed, whether or not they connected successfully.


To view the dialed numbers:

1. Press the  key in Standby Mode. The CALL RECORD options display.
2. With the **Dialed No.** option selected, press the  soft key. The Dialed Number list displays.
3. Press the  or  key to scroll to the number you want to view on the list.
4. When the number displays, press the  key to dial the number.
Press the  soft key for the following options.
5. To exit the call record, press the  key.

Viewing Received Numbers

You can view the last 30 numbers of the calls you received. Your phone records these numbers only when you are subscribed to the Caller Line Identification service.


To view the received numbers:

1. Press the ▼ key in Standby Mode. The CALL RECORD options display.
2. With the **Received No.** option selected, press the ✓ soft key.
The Received Number list displays.
3. Press the ▲ or ▼ key to scroll to the number you want to view on the list.
4. When the number displays, press the  key to dial the number.
Press the ✓ soft key for the following options.

Viewing Missed Numbers

You can view the last 30 numbers of the calls you received, but did not answer. Your phone records these numbers only when you are subscribed to the Caller Line Identification service.

To view the missed numbers:

1. Press the ▼ key in Standby Mode. The CALL RECORD options display.
2. With the **Missed No.** option selected press the ✓ soft key.
The Missed Number list displays.
3. Press the ▲ or ▼ key to scroll to the number you want to view on the list.
4. When the number displays, press the  key to dial the number.
Press the ✓ soft key for the following options.


Messages


The Messages option is a network service and may not be supported by your network. You can send a message by a text messaging system, provided that the service is supported by your network. To send messages by your phone, you must obtain the number of the SMS center from your local service provider.

The memory capacity for incoming and outgoing messages depends on your SIM card. If the memory is full, an error message displays and you cannot receive or save any new messages. Delete obsolete messages.

Text Message

Viewing an Incoming Message

Upon receiving a new text message, the New Text Message icon  appears on the display.

To read the message immediately press the  soft key and use the ▲ or ▼ key to scroll through the contents, when the folder is opened.

Your phone stores the received messages in the **Inbox** on your phone. In Standby Mode, you can access the received messages any time by using the **Inbox**.

Inbox

In this menu, you can view the messages you received and reply, forward or delete them.

Status Report: allows you to activate or deactivate the status report function. When this function is activated, the network informs you whether or not your message has been delivered. You can set the status report On(automatic), Off, On Send(request the user when sending). This option may be unavailable according to your network.

When you receive a status report message, your phone sounds an alert.

Viewing an Outgoing Message


You can view the messages you sent.

To view the messages:

1. To access the **MESSAGES** menu, and text message menu press the ► Key in Standby Mode.


2. Select the **Text Message** and press the ▲ or ▼ key to scroll to the **Outbox** and press the ✓ soft key.

The list of the sent messages displays.
The screen shows the:

- sender's phone number.
- icon on the left of each message to show whether or not it is saved;  (Sent).

3. Scroll to a message by pressing the ▲ or ▼ key and press the ✓ soft key.
4. Use the ▲ or ▼ key to scroll through the contents.

Press the ✓ soft key to edit the message text or use the options.



5. To view the previous or next message, press the ◀ or ▶ key.
6. To return to Standby Mode, press the  key.

Outbox

In this menu, you can send and delete the messages saved in the outbox.

Creating and Sending a New Message

You can write and send a text message of up to 300 alphanumeric characters or up to 130 characters in Spanish.

1. To access the **Message** menu, and text message menu press the ► Key in Standby Mode.
2. Select the **Text Message** and press the ▲ or ▼ key to scroll to **Write Message**. Press the ✓ soft key.
3. Enter a message. For further details about how to enter text, see page 73.
4. When you press the  key, popup message "Save Message?" will be displayed select the ✓ soft key to save the message you currently write in the Unsent Box.
5. When you finish entering the message, press the ✓ soft key.
6. Enter the recipient's phone number and send the message. If you want to recall the number from your phonebook, press the  soft key and search for the number to which you want to send the message.

Write Message

In this menu, you can write and send a text message.

Unsent

If you do not send the message after writing one in editor, unsent message is saved in this Unsent.

You can use this option to send or delete such unsent message.

Setting:

You can set several features for the message service on your phone

To customize your phone for the message service:


1. To access the **MESSAGES** menu, and text message menu press the ► Key in Standby Mode.
2. Select the **Text Message** and press the ▲ or ▼ key to scroll to **Setting**, and press the ✓ soft key.
3. Press the ▲ or ▼ key to scroll to the option you want to use and press the ✓ soft key.

The following options are available:

SMS Center: allows you to store or change the number of your SMS center required when sending and receiving messages. You must obtain this number from your service provider.

Validity Period: allows 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. The times available are **1 hour, 2 hours, 4 hours, 8 hours, 12 hours, 24 hours, 48 hours**, and **Maximum**.


Template

In this menu, you can preset messages that you use most frequently. Scroll through the template list using the ▲ or ▼ keys. When the message template you want to edit highlights, press the  soft key.


Multimedia Message

Multimedia message (Multimedia Message Service(MMS)) is a message service similar to text message(Short Message Service(SMS) and delivers multimedia messages from phone to phone. Multimedia message can contain image and sound. You can send or receive a multimedia messages using this function. This function is available only if it is supported by your local service provider and your phone offers multimedia message function.

Viewing a Incoming Message




Upon receiving a new multimedia message, the New Multimedia Message icon () appears on the display.

To view the messages you received:

1. To access the **MESSAGES** menu, press the ► Key in Standby Mode.
2. Select the **Multimedia Message**.
3. Scroll to **Inbox** and press the  soft key.

The list of the received messages displays.

The screen shows the:

- sender's phone number.
 - icon on the left of each multimedia message to show whether or not you read it;  (Read) or  (Unread).
4. Scroll to a multimedia message you want to view by pressing the ▲ or ▼ key and press the  soft key.
 5. Use the ▲ or ▼ key to scroll through the contents.

You can also use the volume keys on the left side of the phone to scroll up or down one line of the message.

Press the  soft key to use the options.

6. To return to Standby Mode, press the  key.

Creating and Sending a New Multimedia Message

You can write and send a multimedia message using the New Multimedia Message option.

1. To access the **Message** menu, press the ► Key in Standby Mode.
2. Select the **Multimedia Message** and press the ▲ or ▼ key to scroll to **Create Multimedia Message** and press the ✓ soft key.
3. A window with To, Cc, and Subject, Option and Edit Content is displayed. Fill in the message properties, select the Edit Content and press the ✓ soft key.
4. When layout type is displayed, select the Single layout, Split layout and press the ✓ soft key. Single layout allows you to insert image or text, and Split layout allows you to insert image and text.
If you select the Single layout, press the ✓ soft key to select the Option menu. This Option menu provides the following options: Send, Save, Save as Template, Preview Multimedia, and Back.
5. When the Add Media Object" is displayed, select the text and press the ✓ soft key.
6. A menu with available media object is displayed. Select one of the images and press the ✓ soft key.

7. When the slide with the selected image is displayed, select the ✓ soft key.
8. When a menu with available action is displayed, select the Send and press the ✓ soft key.
9. The multimedia message is sent and Inbox is displayed.

Caution: You can not send MMS attaching the image you took and saved in the phonebook.

Inbox

In this menu, you can view the messages you received and reply, forward or delete them. While viewing a multimedia message, press the option menu. Or, access the Multimedia Message and select the Inbox. Inbox list will appear. You can choose the following options.

Outbox

In this menu, you can view the messages you tried to send.


Draft

In this menu, you can view the message you saved.

Sent

In this menu, you can view the messages successfully sent when Auto Save set ON.




Templates

In this menu, you can preset messages that you use most frequently. Scroll through the template list using the ▲ or ▼ keys. When the message template you want to edit highlights, press the  soft key.

Settings

You can set several features for the message service on your phone

To customize your phone for the message service:

1. To access the MESSAGES menu, press the  Key in Standby Mode.
2. Select the Multimedia Message and press the ▲ or ▼ key to scroll to the Setting, and press the  softkey.
3. Press the ▲ or ▼ key to scroll to the option you want to use and press the  soft key.

The following options are available:

Sending: allows you to set the Validity Period, Read Status, Delivery Status, Priority and Auto Save. For Validity Period, 1 Hour, 12 Hour, 1 Day, 1 Week and MAX are available. For Read Status, you can set it to Off/On. For Delivery Status, you can set it to Off/On. For Priority, you can set it to Low, Normal or High. For Auto Save, you can set it to Off or On.

Retrieval Mode: allows you to set it to Delayed / Immediate. If it is set to Delayed, the message is not downloaded, but notification is displayed in the Inbox.

Filters: allows you to set the Immediate Server, Immediate Limit, Treat as Delayed, Max Retrieval Size, Anonymous Senders, Personal Messages, Advertisement Messages, Informational messages, Auto Messages and String Messages. In Immediate Limit, you can set the maximum size of the message indicated in the notification when using Immediate retrieval. You can set whether the big messages should be treated as delayed or whether they should be rejected in case of immediate retrieval in Treat as Delayed. You can set the maximum size of a retrieved messages regardless of the retrieval mode in Max Retrieval Size. You can set Anonymous Senders, Personal Messages, Informational Messages, Auto Messages and String Messages to Reject or Allow.

Network: allows you to set the Network Account, MMSC, WAP Gateway, Login, Password, Realm, Secure Port, and HTTP Port. You can set the value of Network Account in the Network Account of Phone Set menu to use GPRS. You can set MMSC version to MMS version 1.0 or 1.1. WAP Gateway allows you to set the address of WAP gateway. You can set the log in name in Login option, and the password for the login name in Password. Secure Port is to set the port number to use the secure connection. 0 is used as default port.

Info Message

Info Message is text messages broadcasted by the network. It was called Cell Broadcast in the previous model. It provides general information, such as weather reports, traffic news, and stock market prices. Each type of information has an associated information type number.

When you receive a broadcast message, it automatically displays on the screen. If the message is too long to display all on a screen, scroll through it by pressing the ▲ or ▼ key.

Your phone stores it until a new message comes in.

To access the Info Message option:

1. To access the **MESSAGES** menu, press the ► key in Standby Mode.
2. Press the ▲ or ▼ key to scroll to **Info Message**, and press the ✓ soft key.

The following options are available:

Read: lets you view the last received messages.

Topic: allows you to receive broadcast messages from a particular topic by adding the info message category in the phone or SIM memory.

The following options are available:

Manual: use to manually enter the ID and title for a new topic. You can select **Add** to add a new topic to the list and **Delete** to remove a topic from the list.

All Channel: allows you to receive all broadcast messages. You can use this option to declare automatically enter the ID and title for a new channel.

Off: use to reject the reception of broadcast messages.


Languages: allows you to select your preferred languages to display Info Message messages.

Alert : allows you to select whether you are notified when you receive the broadcast messages.

Call Voicemail


Voicemail is a network feature. If the voicemail is provided by your network, you can access the voicemail box with one key press.

Before activating this feature on your phone, you must enter the voice center number obtained from your service provider.


When you receive a new voice message, the New Voice Mail icon () appears on the display.

Voice Call

Access the Voice Call to listen to the voice message:

1. Access the **MESSAGES** menu, scroll to **Call Voicemail** and press the  soft key.
2. Select the Voice Call to automatically dial the voice center number.

When the center answers, follow the voice prompts to listen to the message.

Note: When you use this feature, if the voicemail center number is not currently stored in your phone, the phone alerts you that the center number is not stored and asks you to enter the number now. To enter the number, press the  soft key and enter the number.

For further details about the voicemail feature, please contact your service provider.

Set Voice Center

Allows you to store or change the number of your voice message center required when listening to your voice messages. You must obtain this number from your service provider.



Setting


In this setting, you can set the Message Alert to select a ringer that your phone sounds when a message comes in.

Favorite

You can store your most frequently used menus in the **Favorite** list. By doing this, you can access the favorite menus quickly without scrolling through the menus.

To add a menu to the Favorite list:



1. Select the menu you want to add. Make sure the Favorite icon (🍷) is on the left of the menu.
2. Press and hold the  key.
3. When Favorite add? message pops up press the  soft key to save the menu to the Favorite list.

When the menu is saved, the Favorite icon is changed to .





If you want to cancel, press the  soft key.

4. To add more favorite items, repeat Steps 1 through 3.





You can store up to 10 menus.

5. When you finish adding the menus, press the  soft key two times or  key to return to Standby Mode.

To access **Favorite** menu quickly:

1. In Standby Mode, press the  key to access the Favorite list.
2. Press the  or  key to scroll to the menu and press the  soft key.

To delete a Favorite item:

1. Press the  key to access the favorite list.
2. Press the  or  key to scroll to the menu and press the  soft key.


Entering Text

At many times when using your phone, you will need to enter text, such as when storing a name in Phonebook, creating a greeting note, writing a text message or scheduling events on your calendar.

The following text input modes are available:

- **eZi Spanish** : allows you to enter spanish letters by pressing each key once for each character.
- **eZi English**: allows you to enter English letters by pressing each key once for each character.



Note: eZi text input method allows you to enter text easily and quickly. Simply pressing each key once for each character, you can get the words you want. Furthermore, the candidate is predicted along with other candidates that fit the letters typed thus far. You do not need to input entire characters to make a word.

- **Spanish ABC** : allows you to enter letters by pressing the key labeled with the letter you want to once, twice or three times until the letter appears on the display.
- **ABC** : allows you to enter letters by pressing the key labeled with the letter you want once, twice, or three times until the letter appears on the display.
- **Digit** : allows you to enter the digits, 0-9.
- **All Mode** : allows you to use all of the text input modes by pressing the  key one or more times until you find the mode.
- **Edit Symbol** : allows you to enter the symbols or punctuation marks.

Changing the Text Input Mode

When you are in a field that allows characters entry, you should notice the text input mode indicator on the display.

To change to another text input mode:

1. Press the  key to access the eZi Sub Menu screen.
2. Press the ▲ or ▼ key until you find the input mode you want from the list.
3. Press the  soft key.

You will see the text input mode indicator on the top line of the display. Directions for using each of the text input modes appear later in this chapter.

eZi Spanish Mode

Please refer to the directions for eZi English Mode.

eZi English Mode

This mode allows you to enter English words with only one keypress per letter. Each key on a keypad has more than one letter - a single press on the **5** key could be J, K, or L. The eZi English mode automatically compares your key presses to an internal linguistic database to determine the correct word.

This mode requires far fewer keystrokes than the traditional multi-tap method, the ABC mode.

Typing English Words

To type a word, press the keys corresponding to the letters you need. Remember the following as you are typing:

1. Press keys on the phone just once per one letter. For example, to enter "hello", press the following keystrokes: **4, 3, 5, 5, 6**.
2. The word you are typing appears in the display. It may change with each key you press.
3. If the word that appears on the display is not the word that you desire, press the ◀ or ▶ key one or more times to display alternative word choices for the keys you pressed. For example, "of" and "me" shares the sequence of **6** and **3**. The phone displays the most commonly used choice first.
4. Press 0 key to select the word choice that appear on the display.

Note: The phone displays all of the words containing the letters you have entered. The eZi mode allows you to enter text quickly using fewer keypresses.


Shifting the Case

To change the case of the word, press the ▲ or ▼ key repeatedly when the word highlights. Lower Case, Capital Lock and Initial Capital are available. You can also insert periods between letters for abbreviations.



Scrolling

- The ◀ or ▶ key scrolls to the alternative characters corresponding to the keypress.
- To move the cursor left or right through your text message, press the ◀ or ▶ key. Note that pressing the ▶ key without completing a word displays an alternative word. You can complete the word by pressing the 0 key.
- To scroll up or down one line of your text, press the ▲ and ▼ key.

Clearing Characters

Press the  soft key one or more times to remove characters from the Text Area.

Quickly Switching to Another Mode

- In english mode, you can quickly switch to the ABC mode and then to digit mode by pressing the  key.
- When you press the  key, you can access the symbol mode.

ALPHABET Mode

When typing in the ABC mode, press the key labeled with a character:

- Once for the first character
- Twice for the second character
- and so on.











This method is called Multi-tap Typing.

For example, you press the **2** key three times quickly to display the character "C", the **5** key two times quickly to display the character "K".

The cursor moves to the right when you press a different key. 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.


Refer to the table below for the list of characters assigned to each key.

List of characters available:

Key	Characters in the Order Displayed					
	.	,	?	!	1	/ : ' @
	A	B	C	2		
	D	E	F	3		
	G	H	I	4		
	J	K	L	5		
	M	N	O	6		
	P	Q	R	S	7	
	T	U	V	8		
	W	X	Y	Z	9	
	Space	0				

(Caps Lock mode)

Shifting the Case


To change the case of words, press the  key. There are two cases:

Lower Case is indicated by **abc** on the display, and Capitals Lock is indicated by **ABC**.



Scrolling

- To move the cursor to the left or right through your text, press the ◀ or ▶ key.
- To scroll up or down one line of your text, press the ▲ and ▼ key.

Clearing Characters

Press the  soft key one or more times to remove characters from the Text Area.


Quickly Switching to the Symbol Mode

- In ALPHABET mode, you can quickly switch to digit mode by pressing the  key.
- When you press the  key, you can access the symbol mode.


Symbol Mode

The symbol mode enables you to enter symbols into your text.

Press the  key to enter into the symbol mode.

1. Press the ▲ and ▼ keys to scroll through the symbols.
2. When you find the symbol you want to insert, Press the Number key corresponding to the symbol you want.
3. After the symbol is inserted, press the  soft key to switch back to the text entry mode used just prior to selecting the symbol mode.

All Mode

When typing in this mode, you can switch to any other text input mode by pressing the  key one or more times until you find the mode you want.

For further details about each mode, refer to the description of the corresponding mode in the previous sections.




Note: The eZi English mode is set by default when you select this mode.

Using the Menus


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

The menus and submenus can be accessed by scrolling or by using the shortcuts.



Accessing a Menu Function by Scrolling

1. In Standby Mode, press the  soft key to access Menu Mode. Scroll with the navigation keys to reach the main menu, **SOUND**. Press the  soft key to enter the menu.
2. If the menu contains any submenus; for example, **Call Alert**, find the one you want by scrolling using the ▲ and ▼ keys. Press the  soft key to enter the submenu.

If the menu you have selected contains submenus, repeat this step.

3. Scroll with the navigation keys to find the setting of your choice. Press the  soft key to confirm the chosen setting.


Notes:

- When you use the navigation keys for setting options, refer to the direction of the triangle at the bottom of the display.
- You can return to the previous menu level by pressing the  soft key.
- You can exit the menu without changing the menu settings by pressing the  key.

Accessing a Menu Function by Using Its Shortcut

The menu items, menu, submenus and setting options are numbered and can be accessed quickly by using their shortcut numbers. The shortcut number is shown in front of each menu item.


Note: The numbers assigned to each menu function are indicated on the list on page 78. They may not match the menu number on the phone, depending on the services supported by your SIM.

1. In Standby Mode, press the  soft key.
2. Enter the first digit of the shortcut number. Repeat this for each digit of the shortcut number.

Example: Setting the **Auto Redial** function to **On**

Press the  soft key, and key in **4, 6, 3**.

Menu enters the menu, **4** selects **CALL SET**, **6** selects the **Setting** menu, and **3** selects the **Auto Redial** menu function.

3. Press the **▲** or **▼** key to highlight **On** and press the  soft key.

List of Menu Functions

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

Note: If you use a SIM Tool Kit card that provides additional services, the SIM Tool Kit menu appears instead of **9. Internet Menu**. The other menus do not change. If it does not provide SIM Tool Kit card, **9. Internet Menu** appears.

For details on the SIMToolKit menu, refer to your SIM card instructions.

1. DISPLAY

- ➔ **1-1:** Still Image
- ➔ **1-2:** Animation
- ➔ **1-3:** Clock
- ➔ **1-4:** Calendar
- ➔ **1-5:** User Text
- ➔ **1-6:** Sub LCD
- ➔ **1-7:** PcSync Data

2. SOUND

- ➔ **2-1:** Ring Volume
- ➔ **2-2:** Mode
 - ➔ **2-2-1:** Call
 - ➔ **2-2-2:** Alarm
- ➔ **2-3:** Call Alert
- ➔ **2-4:** Alarm Alert
- ➔ **2-5:** Connect Alert
- ➔ **2-6:** Key Tone
- ➔ **2-7:** Voice Dial Tone
- ➔ **2-8:** Folder Tone

3. PHONE SET

- **3-1:** Time Set
- **3-2:** Date Set
- **3-3:** Alarm Set
 - **3-3-1:** Set Alarm
 - **3-3-2:** Delete All
 - **3-3-3:** Poweroff Alarm
- **3-4:** Key Back Light
- **3-5:** Language
- **3-6:** LED Color
- **3-7:** SubLCD Contrast
- **3-8:** Screen Saver
- **3-9:** Factory Set
- **3-10:** File Manager
- **3-11:** Network Account

4. CALL SET

- **4-1:** Call Divert
 - **4-1-1:** If No Reach
 - **4-1-2:** If Busy
 - **4-1-3:** If No Reply
 - **4-1-4:** All Calls
 - **4-1-5:** Cancel All
- **4-2:** Call barring
- **4-3:** Call Waiting
 - **4-3-1:** Check Status
 - **4-3-2:** Activate
 - **4-3-3:** Deactivate

4. CALL SET (continued)

- **4-4:** Send My Caller ID
- **4-5:** Network Select
- **4-6:** Setting
 - **4-6-1:** Answer Key
 - **4-6-2:** Auto Answer
 - **4-6-3:** Auto Redial
 - **4-6-4:** Min Minder
 - **4-6-5:** Call Mode

5. APPLICATION

- **5-1:** Scheduler
- **5-2:** Calculator
- **5-3:** Unit Converter
 - **5-3-1:** Length
 - **5-3-2:** Weight
 - **5-3-3:** Volumes
 - **5-3-4:** Surface
 - **5-3-5:** User Define
- **5-4:** World Time
- **5-5:** Bio Rhythm
 - **5-5-1:** My Rhythm
 - **5-5-2:** Special Day
 - **5-5-3:** Setup
- **5-6:** Melody Composer
 - **5-6-1:** Compose
 - **5-6-2:** Melody List
 - **5-6-3:** Delete All
 - **5-6-4:** Volume

6. PERSONAL

- ➔ **6-1:** My Memo
- ➔ **6-2:** Call Time
 - ➔ **6-2-1:** Last Incoming
 - ➔ **6-2-2:** Last Outgoing
 - ➔ **6-2-3:** Total Incoming
 - ➔ **6-2-4:** Total Outgoing
 - ➔ **6-2-5:** Reset
- ➔ **6-3:** GPRS Counter
 - ➔ **6-3-1:** Last Recieved
 - ➔ **6-3-2:** Last Sent
 - ➔ **6-3-3:** Total Recieved
 - ➔ **6-3-4:** Total Sent
 - ➔ **6-3-5:** Reset
- ➔ **6-4:** PIN
 - ➔ **6-4-1:** Enable PIN
 - ➔ **6-4-2:** Disable PIN
 - ➔ **6-4-3:** Change PIN
- ➔ **6-5:** Password
 - ➔ **6-5-1:** Phone Lock
 - ➔ **6-5-2:** Change Password

7. GAME

- ➔ **7-1:** Fish Ball
- ➔ **7-2:** Solitaire
- ➔ **7-3:** Survivor

8. Camera

- ➔ **8-1:** Shooting
- ➔ **8-2:** Album
- ➔ **8-3:** Shutter
- ➔ **8-4:** Album Lock

9. Internet

- ➔ **9-1:** Home
- ➔ **9-2:** Bookmarks
- ➔ **9-3:** Recent Pages
- ➔ **9-4:** Enter Address
- ➔ **9-5:** Resume
- ➔ **9-6:** Settings

Display

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


Still Image

Menu 1-1

This menu provides you with a variety of still images.

You can select the still image as a thumbnail or full image.

Select an image from the category.

Press the  key to toggle between thumbnail and full image.

Animation

Menu 1-2

You can select one of the animated images.

Clock

Menu 1-3

You can select the clock type from **Analog**, **Digital** and **Dual**.

If you select **Dual**, you can set a time zone from the world map. Then, you will see two digital clocks showing the time in the city selected in the **World Time** menu (see page 116) and the time in the city selected in the **Dual** option.

Calendar

Menu 1-4

If you select this menu option, the phone displays a calendar. You can select a **Monthly** or **Weekly** calendar.

User Text

Menu 1-5

You can display your own greetings in Standby Mode. Create your own message of up to 40 English or 20 Spanish characters. For further details on how to enter text, see page 73.

Sub LCD

Menu 1-6

You can set an image to be displayed on the front LCD in Standby Mode.

PcSync

Menu 1-7

You can select one of the images that downloaded from PC.

Sound

You can customize various sound settings.

Ring Volume

Menu 2-1

You can adjust the volume level of the ring volume.

Mode

Menu 2-2

You can set the alert type for incoming calls and alarm settings.

Call

Menu 2-2-1

You can select an alert mode for incoming calls. Press the ▲ or ▼ key to scroll through the available mode.

Call Alert

Menu 2-3

This menu allows you to select the melody to be played when a call comes in.

Press the ▲ or ▼ key to select a melody category and the ▲ or ▼ key to scroll through the available melodies. From the melody list, you can select another melody category by pressing ◀ or ▶ key.

You can adjust the volume level by pressing the side volume key. While you select and listen to the melody.

Alarm Alert

Menu 2-4

This menu allows you to select the melody to be played when the alarm time expires.

Press the ▲ or ▼ key to select a melody category and the ▲ or ▼ key to scroll through the available melodies. From the melody list, you can select another melody category by pressing ◀ or ▶ key.

You can adjust the volume level by pressing the side volume key while you select and listen to the melody.

Connect Alert

Menu 2-5

The phone sounds a connect tone when your call is connected to the system.

Key Tone

Menu 2-6

This menu allows you to select the keypad sound each time you press a key.

Voice Dial Tone

Menu 2-7

When this menu is set to **On**, the numeric keys, from 1 to 9, sound a voice tone corresponding to the digits when they are pressed in Standby Mode.

Folder Tone

Menu 2-8

This menu menu allows you to select the folder tone that sounds when you open and close the folder.

Phone Set

Many different features of your phone can be customized to suit your preferences.

Time Set

Menu 3-1

This option enables you to set the current time in the format you prefer.

When you select the Time Set, two fields are displayed. First, you can select the time format of 24 hours or 12 hours

Use the ◀ or ▶ key to toggle between 24 hours and 12 hours for time format.

If you select 24 hour format, go to the next field to enter the number for the time you want directly. Use the ▲ or ▼ key to move between the fields.

If you select 12 hour format, field for Am and Pm will be added and a total of 3 fields will be displayed.

Select the Am or Pm and go to the next field to enter the number for the time you want directly.

Date Set

Menu 3-2


This option enables you to set the current date in the format you prefer in one screen.

The following options are available:

Date Format: Select a date format. The following formats are available:

- YYYY/MM/DD (year/month/day)
- DD/MM/YYYY (day/month/year)
- MM/DD/YYYY (month/day/year)

Select a date format in the upper bar and enter the date in the low bar. press the ▲ and ▼ key to move between the field.

Set Date: You can use the ◀ and ▶ key to move the cursor to the digit. Enter the date using the number keypad and press the  soft key.

Alarm Set

Menu 3-3




This feature allows you to:


- set the alarm to ring at a specific time.
- set the phone to ring the alarm at the specified time even while the phone is switched off (**Poweroff Alarm** is enabled).


Set Alarm

Menu 3-3-1

To set an alarm:

1. Press the  soft key when **Set Alarm** is highlighted.
2. Select one of Alarm 1 through 3 and press the  soft key. If you selected 24 hour mode in Time Set, 2 fields are displayed: upper field is to enter alarm time and the lower field is to select frequency option.
If you selected 12 hour mode in Time Set, 3 fields are displayed: the first field is to select AM/PM, the second field is to enter alarm time, and the third field is to select frequency option.
3. Choose the AM/PM using the ◀ or ▶ keys.
4. Enter the required time using the number keypad.
5. Choose an alarm frequency option using the ◀ or ▶ keys.
 - **One Time:** the alarm rings only once and is then deactivated.
 - **Daily:** the alarm rings every day at the specified time.
 - **Morning Call:** the alarm rings from monday to friday at the specified time.
 - **Delete:** Delete the alarm.
6. Press the  soft key to save the setting.


An alarm check mark  displays on the right of the alarm you set among Alarm 1/Alarm 2/Alarm 3 once you finish setting the alarm.

To stop the alarm when it rings, open the folder and press the  soft key.

Delete All

Menu 3-3-2



To delete the alarm setting:

1. From the **Alarm Set** menu, press the ▲ or ▼ key to scroll to **Delete All**.
2. Press the v soft key and the message "Are you sure?" will be displayed.
Press  soft key and all currently activated alarm will be deactivated.

Power off Alarm

Menu 3-3-3

To set the alarm to ring when the phone is off:

1. From the **Alarm Set** menu, press the ▲ or ▼ key to scroll to **Poweroff Alarm**, and press the  soft key.
2. If necessary, press the ▲ or ▼ key to select **On**.
If you want to cancel setting a poweroff alarm, select **Off**.
3. Press the  soft key to save the setting.

If the phone is turned off at the specified alarm time, it automatically turns on and sounds the alarm alert. You can stop the alarm when it rings by pressing the volume key. Then, the phone turns off automatically.

Key Back Light

Menu 3-4

When the phone is attached to the optional Hands-Free Car Kit, the backlight remains on while the phone is on. At other times, you can set how long the backlight of the keypad remains on after the last key is pressed. Backlight uses your battery faster.

Language

Menu 3-5

You can set the display language.

The available languages are **English** and **Spanish**.

Note: This setting does not affect the Web Browser.

LED Color

Menu 3-6

Using this menu, you can set the color or lighting pattern of the color LED on the folder.

Sub LCD Contrast

Menu 3-7

Your Sub LCDs have contrast settings that can help you see the screen better in different lighting conditions.

Screen Saver

Menu 3-8



The Screen Saver feature allows you to conserve your battery power by turning off the LCD screens when you do not use the phone.

- Notes:**
- When you press a key or receive a call or message, the screen automatically turns on.
 - When you press and hold the lower volume key with the folder closed, the sub LCD screen turns on.
 - The screen saver will not work when you use the camera function.

Factory Set

Menu 3-9

This menu allows you to reset the phone. Resetting the phone restores the default value of all of the menu settings.

When you select the factory set, the message "Are You Sure?" will be displayed select  soft key and your phone will ask you to enter the password. Enter the 4-digit password and press the  soft key. The default value is set.

The default phone password is "0000." For further details about the password, see page 126.

File Manager

Menu 3-10

File Memory Status

Menu 3-10-1

You can display the total size, used size and remaining size.

File List

Menu 3-10-2

You can manage and view the size of image and sound used in the phone.

Network Account

Menu 3-11

In Network Account, you can set which network account to use for your phone.

If you select the Network Account, Profile List will be displayed.

In the Profile List, you can set the Profile Name and the Bearer Type.

CSD and GPRS are available for the Bearer Type.

If you select CSD, you can set the Dial-up No, and Call Type.

If you select GPRS, you can set the APN, User Name and Password.

Call Set

Some of the following menu functions are network services. Please contact your service provider to check their availability and subscribe to them, if you wish.

Call Divert

Menu 4-1

This network service enables incoming calls to be rerouted to the number that you specify. This feature may be unavailable depending on the network.

Call diverting can be set up in the following ways:

If No Reach: Calls are diverted if you are not in an area covered by our service provider.

If Busy: Calls are diverted if you are already on another line.

If No Reply: Calls are diverted if you do not answer the phone.

All Calls: all calls are diverted.

Cancel All: all call diverting options are cancelled.

For each of the above options, you can set the separate options for each of the above options such as Voice, Fax and Data.


Example: You can:

- divert fax calls to your office fax machine.
- divert voice calls to your colleague if you are already using the phone.


To set your call diverting options:

1. Select the situation when you want to divert a call.

You can select among If No Reach, If Busy, If No Reply, All Calls and Cancel All.


2. Select the type of calls to be diverted by pressing the ▲ or ▼ key and then press the  soft key.

Voice, Fax and Data are available.

3. Select the type of call diverting required by pressing the ▲ or ▼ key and then press the  soft key.

Check Status, Set Divert and Cancel Divert are displayed.

4. To	Select the
display current status	Check Status
activate call diverting	Set Divert
deactivate call diverting	Cancel Divert

5. Enter the number to which the calls are to be diverted and press the  soft key.

To enter an international code, press the **0** key until the **+** sign displays.

6. The phone sends your settings to the network and the network's acknowledgement displays.

You can deactivate all call diverting settings by selecting the **Cancel All** option.

Call Barring

Menu 4-2

The call barring network service allows you to restrict your calls.

When you select this option, you are prompted to enter a password.

Following options are displayed.

Outgoing: calls cannot be made.

International Calls: international calls cannot be made.

International exc. Home: when abroad, calls can be made only to numbers within the current country and to your home country, which is the country where your home network provider is located.


Incoming Calls: calls cannot be received.

Incoming When Roam: calls cannot be received when you are using your phone outside of your home service area.

For each of the above options, you can check the status, set barring and cancel barring.

Cancel All: all call barring settings are deactivated; calls can be made and received normally.

To set your call barring options:

1. Select the Call Barring, and you will be requested to enter current barring password. Outgoing, International Calls, International Exc.Home, Incoming Call, Incoming When Roam, Cancel All Bars and Change Password will appear.
2. Select the type of calls to be barred by pressing the ▲ or ▼ key and then press the  soft key. Check Status, Set Barring and Cancel Barring will appear.
3. To activate the call barring, select the Set Barring.
4. To deactivate the call barring, select the Cancel Barring.
The phone sends your setting to the network and the network's acknowledgement displays.

You can also deactivate all call barring settings by selecting the **Cancel All Bars** option.

You can set and change the call barring password obtained from your service provider by using the **Change password** option. You must enter the current password before you can specify a new one. Once you have entered a new password, you are asked to confirm it by entering it again.


Call Waiting

Menu 4-3

This network service enables you to be informed when someone is trying to reach you during another call.

You can specify the call waiting option for voice calls only.

To set your call waiting options:

1. Select the **Call Waiting** option in the **Call Set** menu and press the  soft key.

The screen shows check status, activate and deactivate.
2. You can activate or deactivate the call waiting feature as necessary using the **Activate** or **Deactivate** soft key respectively.

Send My Caller ID

Menu 4-4

When this menu is set to **On**, you can send your phone number to the designated phone when making a call so that the recipient can see your phone number.

Note: Some networks do not allow the user to change this setting.

Upon accessing this menu:

Network Default: the setting is determined by your network.

On: your number displays on the other person's phone.

Off: your number does not appear on the other person's phone.

Network Select

Menu 4-5

The Network Selection feature enables you to automatically or manually select the network used when roaming outside of your home area.

Note: You can select a network other than your home network only if it has a valid roaming agreement with your home network.

To automatically or manually select the network when roaming:

1. Press the ▲ or ▼ key until the appropriate option highlights and then press the ✓ soft key.

If you select **Automatic**, you are connected to the first available network on the preferred list when roaming.

If you select **Manual**, the phone scans for the available networks. Go to Step 2.

2. Press the ▲ or ▼ key until the preferred network highlights and then press the ✓ soft key.

You are connected to that network.

Setting

Menu 4-6

In this menu, you can customize the settings for making and answering a call.

Answer Key

Menu 4-6-1

This menu allows you to select how you answer when an incoming call comes in. Your phone is preset to answer when you press the ☎ key or ☺ soft key.

Auto Answer

Menu 4-6-2

You can set the phone to answer an incoming call. When this menu option is activated, the phone automatically answers calls after a predefined time.

Auto Redial

Menu 4-6-3

When the Auto Redial function is **On**, the phone makes up to ten attempts to redial the phone number after an unsuccessful call.

Note: The interval between two call attempts varies.

Minute Minder

Menu 4-6-4

This menu allows you to specify whether or not the phone beeps during an outgoing call to keep you informed of the length of your call.

Call Mode

Menu 4-6-5

Your phone is capable of sending and receiving digital data and fax call when connected to a computing device, such as a laptop, desktop, handheld, or palmtop running Windows NT, Windows 95 or later versions. The phone functions just like a typical modem on your PC, enabling you to use wireless data involving a wide variety of Windows software applications.

To use digital data or fax services with your phone, you need a digital data/fax kit. This kit contains the necessary cables and software required for you to connect and use your phone with your computing device.

Note: The phone must be on a digital network to receive or send fax and data.

In the **Call Mode** menu, you can set up the call mode to use data or fax calls as well as normal voice calls.

The following options are available:

(Single No.) Voice : Your phone sends or receives the voice call, if your SIM card allows this option.

(Single No.) Fax : Your phone sends or receives the Fax call, if your SIM card allows this option.

(Single No.) Data : Your phone receives the Data call, if your SIM card allows this option.

Using a Data or Fax Call

To be able to use data or fax services, you need application software such as a data or a fax program. Before using these functions, you need to connect your phone to the computer and make sure that your phone is registered as a modem in your system.

Making a Data or Fax Call

Using a Data Call

1. Choose "(Single No.) Data" item in phone menu.
1. Connect the phone to your computer with the cable.
2. After starting the software for network connecting (built in Windows System), make the data service using the browser of Windows System.

* After using the Data Call, set the mode to "(Single No.) Voice"

Usage:

Prior to using Data Call, you must first set your phone as a modem in the Windows system(Start > Settings > Control Panel > Modem or Telephone/Modem Option). Register your phone as a "standard 19200 bps modem" and set the COM port number to which the cable is connected. (Set the port 115200 bit/sec)

- Data Call

You set the software using the Widows system (Start > Settings > network connect), and use the data service (this service is related to network services. for more information, please contact your service provider)

Using a Fax Call

1. Choose "(Single No.) Fax" item in phone menu.
2. Connect the phone to your computer with the cable.
3. After starting the software for Fax, and use the Fax services.

* After using the Fax Call, set the mode to "(Single No.) Voice"

Example:

- Fax Call

1. Connect the phone to the computer using the cable.
2. Open WinFax 10.0 in Windows
3. Check that configuration is set to 19200 bps modem with the compatible COM port.
4. Set the Receive Mode to AUTO RECEIVE. Otherwise, set MANUAL RECEIVE when the incoming animation plays.

Application

This menu allows you to use your phone as your assistant providing you with various convenient features, such as Scheduler and Calculator.

Scheduler

Menu 5-1

When you enter this menu, the calendar displays with today's date highlighted. A rectangle on a particular date means that there is a scheduled event on that day. You can be alerted by this function before an event commences.







Scrolling through the Calendar

The current date with the associated date of the lunar calendar appears on the top line of the display. Enter the date using the number keypad.

Or, you can move the cursor to select the Year, Month and Day fields by pressing the ◀ or ▶ key. When the field is selected, press the ▲ or ▼ key, or the volume keys on the left side of the phone to move up or down by increment of 1.











Scheduling a New Event

You can schedule up to 50 events for one day.

1. Highlight a date on the calendar referring to "Scrolling through the Calendar" above.
2. Press the  soft key to access the Scheduler options.
3. Press the  or  key to highlight **Make** and press the  soft key.
4. Press the  or  key to select **am** or **pm** and enter the time.



To make an All Day event, select **All Day**.


Note: When you schedule an All Day event, you can't set the event time and alarm.

5. Press the  key and press the  or  key to choose the type of event.
6. Press the  key and press the  or  key to select a repeating option.
7. Press the  key and press the  or  key to select an alarm option. Press the  soft key.







Once you have scheduled the events, the icons corresponding to the event types appear on the top line of the calendar when you move to the scheduled day.

Viewing Schedule on a Particular Day

1. Highlight a date on the calendar, referring to "Scrolling through the Calendar" on page 109.
2. Press the  soft key to access the Scheduler options. Press the  soft key when **View Day** highlights.

You can also press the  key to view the schedule of the day.













The list of the events displays.

3. Press the  or  key to scroll through the events.
4. When the event you want to view displays, press the  soft key to access the following options:
 - **Preview:** allows you to preview the scheduled event.
3. Press the  or  key to scroll through the events.
4. When the event you want to view displays, press the  soft key to access the following options:





- **Preview:** allows you to preview the scheduled event.
- **Delete:** deletes the selected event.
- **Edit:** allows you to change the event settings.













Viewing Specific Events

You can find an event using its date, type and note.

1. On the calendar, press the  soft key.
2. Press the  or  key to select **Find** and press the  soft key.
3. Enter the period using the number keypad.
You can move the cursor through the date input fields by using the navigation keys.
4. Select an event type by using the  or  key.
5. Press the  key and press the  soft key.
6. Enter the first few letters of the note and press the  soft key.
7. Press the  soft key.
The display shows the first event corresponding to your input.
8. Press the  or  soft key to view other events.

Deleting Events

1. Highlight a date on the calendar, referring to “Scrolling through the Calendar” on page 109.
2. Press the  soft key to access the Scheduler options.
3. Press the  or  key to highlight **Delete** and press the  soft key.

4. Press the  or  key to one of the following options and press the  soft key.
 - **Of Chosen Day:** deletes all notes on the selected day.
 - **All Days:** deletes all of the notes in your Scheduler.
 - **Old Events:** deletes the schedule before the selected date.
5. Press the  or  key to select an event type and press the  soft key.
6. Select **One by One** or **All** and press the  soft key.
When you select **One by One**, go to the next step.
When you select **All**, a confirming message appears. Press the  soft key to delete the event(s) or the  soft key to cancel.
7. When the first event displays, press the  or  key to scroll to the event you want to delete.
8. Press the  soft key to delete the event.

Viewing the Calendar in Another Format

The calendar is in monthly format by default. You can change the calendar to weekly format for the current view.

1. On the calendar, press the  soft key to access the Scheduler options.


- Press the ▲ or ▼ key to highlight **View Weekly** and press the ✓ soft key.

Notes:

- The calendar is automatically changed to monthly format the next time you access it.
- You can change the default format using the **Setup** option. See below.

To return to the monthly calendar, select **View Monthly** from the Scheduler options.

Changing the Calendar Settings

- On the calendar, press the  soft key to access the Scheduler options.
- Press the ▲ or ▼ key to highlight **Setup** and press the ✓ soft key.
- Select an option by pressing the ▲ or ▼ key and change the setting by pressing the ◀▲ or ▶ key.

The following options are available:

- First Screen:** allows you to change the default format of the calendar.
 - Auto Delete:** allows you to set how long your events are stored in the Scheduler.
- Press the ✓ soft key.

Calculator




Menu 5-2


You can use your phone as a calculator, which provides the basic arithmetic functions; addition, subtraction, multiplication and division.

Performing a Calculation

- Enter the first number using the numeric keys. The number displays in the upper box.

Notes:

- To clear the last entry, press the  soft key. Press and hold the key to clear all of the entries from the display.
- To enter a decimal point, press the  soft key.
- To enter a '+' or '-' in front of a number, press the  key after you enter a number.

- Press the navigation key to set the operation for your calculation referring to the screen; + (add), - (subtract), x (multiply), ÷ (divide).
- Enter the second number.
- To calculate the result, press the = soft key.
- To reset the calculator, press and hold the  soft key.

Unit Converter



Menu 5-3

This menu allows you to convert a unit into another unit, such as inches to centimeters.

To use the unit converter:

- Press the ▲ or ▼ key to scroll to the unit category. **Length, Weight, Volumes, Surface, and User Define** are available. The **User Define** option allows you to set the specified rate as required.
- Press the ✓ soft key.

3. Enter the value to be converted using the number keypad. The number appears in the **In** box.

If necessary, press the  soft key to clear the last entry.
4. Press the ▼ key to move down to the first unit box. Press the ◀ or ▶ key to select the original unit.
5. Press the ▼ key to move down to the second unit box. Press the ◀ or ▶ key to select the required unit to convert the value with.
6. The converted value automatically displays in the **Out** box.
7. To reset the converter, move up to the **In** box and press and hold the  soft key.

World Time

Menu 5-4

This feature allows you to check the current time for 59 major cities around the world. You can also set your time zone for displaying the date and time in Standby Mode.


When you access the **World Time** menu, the display shows the:

- current date and time
- city name

To select your time zone:

1. Select the city corresponding to your time zone by pressing the ◀ or ▶ key one or more times. The local date and time display.

If you want to know other cities in the time zone, press the ▲ or ▼ key one or more times.

2. When you find your time zone, press the  soft key.

Bio Rhythm

Menu 5-5

You can check the physical, emotional, or intellectual rhythm of your body for today or a specified day. To check the biorhythm, you must enter your birthday in the **Setup** menu first.

My Rhythm


Menu 5-5-1

This shows today's biorhythm. You can view the biorhythm indexes display in graph format and numbers. Press the ▲ or ▼ key. You can view the other day's biorhythm by pressing the ◀ or ▶ key.

Special Day

Menu 5-5-2

This shows a specified day's bio rhythm.

1. Select **Solar** or **Lunar** using the ◀ or ▶ key.
2. Press the ▼ key and enter the date you want to check and press the  soft key.
3. Refer to **My Rhythm** above for details about viewing your biorhythm.

Setup

Menu 5-5-3

This allows you to set your birthday.

1. Select **Solar** or **Lunar** using the ◀ or ▶ key.
2. Press the ▼ key and enter the date of your birthday.
3. Press the ✓ soft key to save the date.

Melody Composer

Menu 5-6

Compose

Menu 5-6-1

This option allows you to compose your own melody and set it as a call alert. You can compose up to 3 melodies.

To compose a melody:

1. In the Application menu, select the Melody Composer.
2. Scroll to the Compose and press the ✓ soft key.
3. Use the following keys to compose your melody.

To	Press the
enter a note between C and B(Do and Ti)	1 to 7 key respectively
enter a rest	8 key
change the length of the selected note or rest	key. The length changes each time you press the key
move the selected note up or down once octave	0 key
make the selected note sharp	key
move the cursor between the staff, tempo and channel field	▲ or ▼ key
move the cursor in the staff	◀ or ▶ key
change the tempo, instrument and channel	◀ or ▶ key
insert a note or rest in the middle cursor of the staff	9 key. Default note "Do" is inserted in the position each time you press the 9 key.
listen to your melody	Call key

Note: You can store up to 4 channels for each melody and select a different instrument for each channel.

4. When you are satisfied with your melody, press the ✓ soft key.
5. Enter a title for the melody and then press the ✓ soft key. The display returns to the **Melody Composer** menu.


Melody List

Menu 5-6-2

The composed melody is saved in the melody list. To listen to the melody or to set it as a call alert, access the Melody List menu shown below.

You can also find the composed melody in the call alert when you access the Sound menu.

To play, edit or use the melody:

1. In the Melody Composer menu, select the Melody List.
2. The names of the melodies you created are displayed. Select the melody and then press the  soft key.
3. You can use the following options:
 - **Play:** allows you to play the selected melody
 - **Edit:** allows you to edit the melody
 - **Rename:** allows you to rename the melody
 - **Delete:** allows you to delete the selected melody
 - **To Music Bell 1/2:** allows you to save the melody as Music Bell 1 or Music Bell 2 so that you can select it in the Call Alert .

Note: If you stored several channels in a melody, they sound at the same time when you play the melody.

Delete All

Menu 5-6-3

In the Melody Composer menu, select the Delete All to delete all of the melodies.

Volume

Menu 5-6-4

In the Melody Composer menu, select the Volume to adjust the volume of the melody. You can adjust the volume of the melody when you play it back.

Personal

The **PERSONAL** menu allows you to maintain various kinds of personal information and to activate the password to keep the phone from being used by unauthorized people.

My Memo

Menu 6-1

You can store your personal memos, up to 10 items, in the phone's memory.

1. Press the ▲ or ▼ key to select an empty location, and press the ✓ soft key.
2. Enter the contents of the memo, and press the ✓ soft key.

When you want to view the stored information, select an item by pressing the ▲ or ▼ key, and press the ✓ soft key.

While viewing information, press the ☰ soft key. The following options are available:

Edit: allows you to change the title and contents of the memo.

Delete: deletes the memo.

Delete All: deletes all the memo.

Call Time

Menu 6-2

This menu allows you to view the timers for calls that you made and received.

The following timers are available:

Last Incoming: shows the time of the last incoming call

Last Outgoing: shows the time of the last outgoing call

Total Incoming: shows the time of all incoming calls

Total Outgoing: shows the time of all outgoing calls

You can use the **Reset** option to reset the call timers; when the phone prompts you to confirm, press the ✓ soft key. The timers are reset.

Note: The actual time invoiced for calls by your service provider may vary, depending on network features, rounding-off for billing purposes, etc.

GPRS Counter

Menu 6-3

Using this menu, you can check the volume of packets sent or received.

Access the Personal menu, and select the GPRS Counter.


Following options are available:

Last Received: shows the volume of data received last.

Last Sent: shows the volume of data sent last.

Total Received: shows the total volume of data received.

Total Sent: shows the total volume of data sent

You can use the Reset option to reset the GPRS counter; when the phone prompts you to confirm, press the  soft key. The GPRS Counter is reset.

Note: GPRS is the abbreviation of General Packet Radio Service, and enables to connect to the data network and to use information and multimedia service. In GPRS technology, the data is sent in 'packets' and is well suited to the sporadic nature of data application. The counter unit is byte.


PIN

Menu 6-4

Using this menu, you can activate the use of the PIN (Personal Identification Number) code provided by your SIM card and change the code if possible.

Enable PIN

Menu 6-4-1

When this option is selected, you must enter your PIN code each time you switch the phone on. Consequently, any person who does not have your PIN code cannot use your phone features without your approval, except to make emergency calls by pressing the  soft key.

Disable PIN



Menu 6-4-2



When the option is selected, you don't have to enter your PIN code when you switch the phone on. Your phone connects directly to the network when you switch it on.

Change PIN

Menu 6-4-3

This option allows you to change your current PIN to a new one, provided that the Enable PIN feature is enabled.

1. Enter the current PIN and press the  soft key.
2. Enter a new PIN and press the  soft key.

To clear the last entry, if necessary, press the  soft key. Press and hold the  soft key to clear all entries.

Password

Menu 6-5

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

Phone Lock

Menu 6-5-1

Using this menu, you can lock your phone to keep it from being used by unauthorized people. When the phone is locked, you cannot use any function. You are prompted to enter the password when you try to enter the menu or make a call after turning the phone on. The password is preset to "0000." To change the password, refer to "Change Password" on the next page.

The following options are available:

Enable: you are asked to enter the 4-digit password. The phone locks next when you enter the menu or make a call after turning the phone on.



You are required to enter the password each time you enter the menu and make a call after turning the phone on until the Phone Lock feature is disabled.



Disable: you are asked to enter the 4-digit password. The phone lock feature is canceled.

Change Password

Menu 6-5-2

The Change Password feature allows you to change your current phone password to a new one.

1. Enter the current password and press the  soft key.
2. Enter a new password and press the  soft key.

To clear the last entry, if necessary, press the  soft key. Press and hold the  soft key to clear all entries.

Game



You can enjoy 3 games, Fish Ball(**Menu 7-1**), Solitaire(**Menu 7-2**) and Survivor(**Menu 7-3**) on your phone.

To stop playing a game, press the  key.

Camera







In this menu, you can take a photo, save it as an image photo or PBook photo.



You can access the camera menu by 3 ways:

- 1) Press the  key on the keypad;
- 2) Press the  key on the side;
- 3) Select the Camera menu.

- 1) Using the  key

Pressing this main camera button, you can take a photo in the main LCD.
Following options are available

- Zoom: use the  or  key to adjust the zoom from 1 to 5 level.
- Contrast: use the  or  key to adjust the contrast from 1 to 8 level.
- Shoot: press the  key or  key.

After shooting the image press the  soft key to enter into the Save Mode.
Press the  soft key in this shooting mode to go to Camera option menu.

Sticker, Couple, Effect, Set Size, Go to Menu, Sub LCD, Set Name and Full View will appear.

-If you select Sticker or Couple, you can take picture with sticker frame or couple frame, respectively.

-If you select Effect, you can give various effects to the image.

-If you select Set Size, you can define the size of the image.

-If you select Go to Menu, you can go back to Camera menu.


-If you select Sub LCD, you can take a photo in the sub LCD.




-If you select Set Name, you can define the name of the photo to be saved.




-If you select Full View, you can see the preview image in full main LCD.

2) Using the key


- With Folder Closed

Press the  key long to take a photo in sub LCD. Following options are available:







- Zoom: use the Volume  or  key to adjust the zoom from 1 to 5 level.
- Shoot: press the  key to shoot.


Press the Volume  key to save the image photo, or the Volume  key to cancel the captured photo. With the folder closed, only Image Photo can be saved. press  key long to exit the camera menu. Open the folder to take a photo in main LCD.


- With Folder Opened

Press the  key short to access the camera menu.

Following options are available:

- Zoom: use the  or  key to adjust the zoom from 1 to 5 level.
- Contrast: use the  or  key to adjust the contrast from 1 to 8 level.
- Shoot: press the  key, or  key.

After shooting the image, press the  soft key to save the image.

Press the  soft key in this shooting mode to go to Camera option menu.


3) Using the Camera menu.

In the Standby mode, select the Camera menu.

Shooting, Album Shutter and Album Lock will be displayed.

Shooting



Menu 8-1



It has the same function as the  key explained above.


Album

Menu 8-2

Select Album to display the image photo saves.

Press the  or  key to view the Image Photo that you want.

Press the  or  key to set the back color for idle display.

Press the  soft key to display Album Mode. Sticker, Stamp, Set Wallpaper, Rename, Photo Lock and Delete will appear.

If you select Sticker or Stamp, you can insert sticker frame or stamp image to the stored photo, respectively.

Select whether to display it in the idle status, or to delete it. If you select Set Wallpaper, the image selected will be displayed as a Wallpaper. Select the Rename to change the file name. If you select Photo Lock, it will lock designated photos only. If you select Photo Unlock for the locked photo, lock will be released. You can delete the designated photo by selecting the Delete.

If you select Photo Lock, it will lock designated photos only. If you select Photo Unlock for the locked photo, lock will be released. You can delete the designated photo by selecting the Delete.

Note: You may not set the image as wallpaper if file memory is full.

Shutter

Menu 8-3

You can select Shutter sound.

Album Lock

Menu 8-4

Enable: Ask you to enter the password when you try to access the Album. You are allowed to access the Album and view the photos only when the password is correct.

Disable: Do not ask you to enter the password, but allow you to access the Album and view the photos when you try to access the Album.

Note: You can save up to 20 image photos and PBook photos, but the number of photos that can be saved may reduce depending on the photo and memory status.

Internet


Your phone comes equipped with a WAP (Wireless Application Protocol) Browser, making it possible for you to access the Wireless Web. Note that this feature may be unavailable or vary depending on your network.

The WAP Browser allows you to access up-to-the-minute information via your phone and view specially designed text versions of popular Internet sites, including Yahoo!®, CNN MobileSM and the Weather Channel®.

Browsing the Wireless Web using your phone is unlike using your computer, in that site providers select only the critical aspects of their sites for wireless phone users and remove most graphics.

Each time you start the WAP Browser, the phone connects to the Wireless Web. You are billed, after you are connected to the Wireless Web.

The WAP Browser ends the network connection after a certain period of inactivity and automatically reconnects as necessary. For this reason, you may find that you are billed for several network connections within a single session. This is normal and is designed to minimize your bill.


To quickly access the **Internet** menu from Standby Mode, press the  key.

Home




Menu 9-1

This menu connects your phone to the Internet. A connection is established with your service provider and the corresponding homepage displays.


The content of the WAP browser’s startup homepage depends on your Wireless Web service provider. To scroll through the screen, use the ▲ and ▼ keys.

Note: To access the startup homepage from any other screen in the WAP Browser, use the  key.

Navigating the WAP Browser

To	Press the
scroll through and select browser items	▲ or ▼ key until the item is indicated by the cursor, and then press the  key to confirm the selection.
select a numbered item	corresponding numeric key.
return to the previous page	 soft key.
return to the startup homepage	 soft key, and then select Home .

Exiting the WAP Browser




To exit the browser, press the  key at any time.


Bookmarks

Menu 9-2







You can set a bookmark for most pages so that they can then be accessed directly from any web page. Bookmarks save you time by reducing the number of steps required to access a given page.

Adding a Bookmark

1. On the Bookmarks list, press the ▲ or ▼ key to highlight **Add Bookmark** and press the  soft key.
2. Select a URL prefix and press the  soft key.
3. Enter the URL address of the web page and press the  soft key.






For further details on how to enter text, see page 73.
4. Enter a name for the bookmark and press the  soft key.
5. To add more bookmarks, repeat Steps 1 through 4 as needed.

Viewing and Managing a Bookmark

1. Press the  key to access the Internet menu and press the  soft key to select the Bookmarks.
2. On the Bookmarks menu, select the Bookmark list to display the bookmark pages. Press the  or  key until you go to the bookmark page you want. Press the  soft key to select it. Your phone will be connected to the bookmark site.
3. Go to the Manage Bookmarks and select the options you want:
 - **Edit:** allows you edit the **Title** and **URL** of the current selected bookmark page.
 - **Delete:** deletes the selected bookmark from the list.
4. To exit the Bookmark or Manage Bookmark menu, press the  soft key.

Recent Pages







Menu 9-3

1. Press the  key to access the Internet menu and press the  soft key to select the Recent Pages.
2. In the Recent Pages menu, select the recent pages and press the  or  key until you go to the recent page you want. Press the  soft key to select it. Your phone will be connected to the recent site.

Enter Address

Menu 9-4

In this menu, you can manually enter the address of a web page and go there immediately.

1. Press the  key to access the Internet menu and press the  soft key to select the Enter Address.
2. Press the  or  key to select a URL prefix, and press the  soft key.
3. Enter the address of the web page. For details on how to enter text, see page 73.
4. Press the  soft key to go to the page.

Resume





Menu 9-5

In this menu, you can resume the previous browsing session by loading the page last visited. Note that the Back option will be available for pages visited during this session.

Setting

Menu 9-6

In this menu, you can configure the browser with different connection type, proxy address and browser options.

1. Press the  key to access the Internet menu and press the  soft key to select the Settings.
2. Press the  or  key to select one of the following options.

Edit Homepage:

Menu 9-6-1

In this menu, you can edit the homepage.

Select Profile:

Menu 9-6-2

In this menu, you can select profile for WAP browser. You should select the profile first before starting browsing. If you try to change any setting or to load a page without selecting a profile first, an alarm dialogue is displayed, informing that you should select a profile first.

Connection:

Menu 9-6-3

In this menu, you can set the connection.

You should select a profile before using this function.

Following options are available.

- **Data Account:** enables you to specify parameters such as data bearer you can set the value in network account of phone set menu.
- **Timeout:** enables you to set the timeout value for BRS to wait for a response in the number of seconds.

- **Proxy Address:** enables you to specify a proxy gateway to be used for connecting.
- **Proxy Port:** enables you to specify proxy port number.
- **Proxy Secure Port:** enables you to change the port number.
- **Proxy Username:** enables you to specify a username for connection.
- **Proxy Password:** enables you to specify a password to enter for connection.

Browser Options:

Menu 9-6-4

In this menu, you can set the browser options.

Following options are available

- **Enable CSS:** allows you to enable CSS(Cascading Style Sheet). Enabling CSS option will improve the time of download and render, but decrease the visibility. Set it On or Off.
- **Enable Refresh:** allows you to enable Refresh. Set it On or Off.
- **Show Images:** allows you to set whether to show image or not. You can select the Always, Ask or Never; If it is set to Always, image is shown always; If it is set to Ask, you are prompted to confirm whether to show image; If it is set to Never, image is never shown.

- **Show Movies:** allows you to set whether to show movie or not. You can select the Always, Ask or Never; If it is set to Always, movie is shown always; If it is set to Ask, you are prompted to confirm whether to show movie; If it is set to Never, movie is never shown.
- **Play Sounds:** allows you to set whether to play sounds or not. You can select the Always, Ask or Never; If it is set to Always, sounds are played always; If it is set to Ask, you are prompted to confirm whether to play sounds; If it is set to Never, sound are never played.
- **Load Objects with no MIME:** allows you to load the objects with no MIME. You can select the Always, Ask or Never; If it is set to Always, objects with no MIME are loaded always; If it is set to Ask, you are prompted to confirm whether to load objects with no MIME; If it is set to Never, objects with no MIME are never loaded.
- **History Size:** allows you to set the history size.

Rename Profile

Menu 9-6-5

In this menu, you can change the name of profile currently selected.

Clear Recent Page

Menu 9-6-6

In this menu, you can clear the recent page saved in your browser.

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.




Note: The PIN2, PUK, and PUK2 codes may be unavailable depending on the network.

Phone Password

The phone password can be used to avoid unauthorized use of your phone. The password "0000" is usually supplied with the phone. Change the password before you start using your phone. Keep the new password 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 (**Menu 6-4**), the code is asked each time the phone is switched on.

If you key in an incorrect PIN code three times in succession, key in the PUK code and press the  soft key. Key in a new PIN code and press the  soft key. Key in the new code again and press the  soft key.

PUK code

The PUK (PIN 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.

Barring Password

The 4-digit barring password is required when you use the Call Barring function. You can obtain the password from your service provider when you subscribe to this function. See page 101 for further details.

Using the Batteries

Your phone is powered by a rechargeable Li-ion standard battery.

The following batteries are also available (ask your local dealer for further details):

- Slim battery
- Standard battery

Precautions When Using Batteries

- 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 life-time 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 (32 °F).
- 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.

Safety Information

Traffic Safety

Do not use a hand-held mobile phone while driving a vehicle. If using a hand-held phone, park the vehicle before conversing. Always secure the phone in its holder, do not place the phone on the passenger seat or where it can break loose in a collision or sudden stop.

The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.

Remember, road safety always comes first!

Operating Environment

Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference of danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your mobile phone.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (20 cm) be maintained between a hand-held mobile phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should always keep the phone more than 6 inches (15 cm) from their pacemaker when the phone is switched on;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the pacemaker to minimize the potential for interference.

If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing Aids

Some digital mobile phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider.

Other Medical Devices

Operation of any radio transmitting equipment, including cellular phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions. Switch off your phone in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles (for example, electronic fuel injection systems, electronic anti-skid (anti-lock) braking systems, electronic speed control systems, air bag systems).

Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your phone off in any facility where posted notices so require.

Potentially Explosive Atmospheres

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch off the phone while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats; chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Vehicles

Only qualified personnel should service the phone, or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty which may apply to the unit.

Check regularly that all mobile phone equipment on your vehicle is mounted and operating properly.

Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Switch off your phone before boarding an aircraft. The use of mobile phones in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network and may be illegal.

Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Radio Frequency (RF) Signals

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95.1-1992
- National Council on Radiation Protection and Measurement (NCRP). Report 86
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996
- Ministry of Health (Canada), Safety Code 6.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.

Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operation can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 15 mm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

For additional information concerning exposure to radio frequency signals, see the following websites:

Federal Communications Commission (FCC)
RF Safety program (select "Information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters"):
<http://www.fcc.gov/oet/rfsafety>

World Health Organization (WHO)
International Commission on Non-Ionizing Radiation Protection (select Qs & As):
<http://www.who.int/emf>

United Kingdom, National Radiological Protection Board: <http://www.nrpb.org.uk>

Cellular Telecommunications Industry Association (CTIA): <http://www.wow-com.com>

U.S. Food and Drug Administration (FDA)
Center for Devices and Radiological Health:
<http://www.fda.gov/cdrh/consumer/>

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:

- 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. The personnel there will assist you, and if necessary, arrange for service.

Glossary

Airtime

Actual time spent talking on the wireless phone. Most carriers bill customers based on how many minutes of airtime they use each month.

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.

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 Multi 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.

PIN (Personal Identification Number)

Security code that protects the phone against unauthorized 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 Unblocking 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 travelling for example).

SDN (Service Dialing Numbers)

Telephone numbers supplied by your network provider, giving access to special services, such as voice mail, directory inquiries, customer support and emergency services.



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 English or 70 Spanish characters long) can be displayed, received, edited or sent.

Soft Keys

The  and  keys on the phone are the soft keys. The key function:

- 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) and records a message.

Wireless

Radio-based Systems that allow transmission of telephone or data signals through the air without a physical connection, such as a metal wire (copper) or fiber optic cable.