LG

Digitally yours

G4010
User Guide

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Unpacking

Check to make sure that you have all the parts shown below

Handset

Standard Battery

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User Guide

For Your Safety

Important Information

This user guide contains important information on the use and operation of this phone. Please read all the information carefully for optimal performance and to prevent any damage to, or misuse of, the phone. Any changes or modifications not expressly approved in this user guide could void your warranty for this equipment.

Before You Start

Safety Instructions

WARNING! To reduce the possibility of electric shock, do not expose your phone to high humidity areas, such as the bathroom, swimming pool, etc.

Always store your phone away from heat. Never store your phone in settings that may expose it to temperatures less than 32 F or greater than 104 F, such as outside during a snowstorm or in your car on a hot day. Exposure to excessive cold or heat will result in malfunction, damage and/or catastrophic failure.

Be careful when using your phone near other electronic devices. RF emissions from your mobile phone may affect nearby inadequately shielded electronic equipment. You should consult with manufacturers of any personal medical devices such as pacemakers and hearing aides to determine if they are susceptible to interference from your mobile phone. Turn off your phone in a medical facility or at a gas station.
Never place your phone in a microwave oven as this will cause the battery to explode.

IMPORTANT! Please read the TIA SAFETY INFORMATION on page 87 before using your phone.

Safety Information

Please read and observe the following information for the safe and proper use of your phone and to prevent any unanticipated damage. Also, keep the user's manual in an accessible place at all times after reading it.

Unplug the power cord and charger during a lightning storm to avoid electric shock or fire.

Do not use your phone in high explosive areas as the phone may generate sparks.

Do not put your phone in a place subject to excessive dust, and keep the minimum required distance between the power cord and heat sources.

Unplug the power cord prior to cleaning your phone, and clean the power plug pin when it is dirty.

Do not damage the power cord by bending, twisting, pulling, or subjecting it to heat. Do not use the plug if it is loose as it may cause fire or electric shock.

Hold the power cord plug firmly to plug and unplug the power cord. Ensure the plug is firmly connected. If it is not firmly connected, it may cause excessive heat or fire.

Do not place a heavy item on the power cord. Do not allow the power cord to be crimped as it may cause fire or electric shock.

Be careful not to let the battery contact metal conductors such as a necklace or coins. When shorted, it may cause an explosion.

Do not disassemble or impact the battery as it may cause electric shock, short-circuit, and fire. Store the battery in a place out of reach of children.

Using a damaged battery or placing a battery in your mouth may cause serious injury.

Do not place items containing magnetic components such as a credit card, phone card, bank book or a subway ticket, near your phone. The magnetic strip can be damaged by the phone.

Do not hold or let the antenna come in contact with your body during a call.

Talking on your phone for a long period of time may reduce the call quality due to heat generated during the use of the phone.

Do not allow excessive vibration or impact to the phone.

When you do not plan to use the phone for a long period of time, store it in a safe area with the power cord unplugged.

FCC RF Exposure Information

WARNING! Read this information before operating the phone.

In August 1996, the Federal Communications (FCC) of the United States, with its action in Report and Order FCC 96-326, adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those 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.

CAUTION

Use only the supplied and approved antenna. Use of unauthorized antennas or modifications could impair call quality, damage the phone, void your warranty and/or result in violation of FCC regulations.
Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with skin, a minor burn may result. Contact your local dealer for a replacement antenna.

Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 0.59 inches (1.5 cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.59 inches (1.5 cm) must be maintained between the user's body and the back of the phone. Third-party belt-clips, holsters, and similar accessories containing metallic components should not be used. Body-worn accessories that cannot maintain 0.59 inches (1.5 cm) separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

Vehicle Mounted External Antenna (optional, if available)

A minimum separation distance of 8 inches (20 cm) must be maintained between the user/bystander and the vehicle mounted external antenna to satisfy FCC RF exposure requirements.

For more information about RF exposure, visit the FCC website at www.fcc.gov

FCC Part 15 Class B Compliance

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

Cautions for Battery

Do not disassemble.

Do not short-circuit.

Do not expose to high temperature: 60   (140   ).

Do not incinerate.

Battery Disposal

Please dispose of your battery properly or bring to your local wireless carrier for recycling.

Do not dispose in fire or with hazardous or flammable materials.

Adapter (Charger) Cautions

Using the wrong battery charger could damage your phone and void your warranty.

The adapter or battery charger is intended for indoor use only.

Do not expose the adapter or battery charger to direct sunlight or use it in places with high humidity, such as the bathroom.

Your Phone

Phone Components

1. Earpiece

8. Active flip

9. Display screen

10. Navigation key

11. Confirmation key

2. Left soft key

12. Right soft key

3. Side keys

13. Massage key

14. End / Power key

4. Vibration key

5. Send key

6. Alpha numeric keys

7. Microphone

Your Phone's Features

1. Earpiece

2,12. Left soft key / Right soft key: Each of these keys perform the functions indicated by the text on the display immediately above them.

3. Side keys: These keys are used to control the volume of key tone in standby mode and speaker volume during a call.

4. Vibration key: Use to set the Manner Mode by pressing and holding the left navigation key for about 3 seconds while in standby mode.

5. Send key: You can dial a phone number and answer incoming calls. Press this key in standby mode to quickly access the most recent incoming, outgoing and missed calls.

6. Alphanumeric keys: These keys are used to dial a number in standby mode and to enter number or characters in edit mode.

7. Microphone: Can be muted during a call for privacy.

8. Active flip: Open the flip to answer an incoming call and close to end the call.

9. Display screen: Displays phone status icons, menu items, Web information, pictures and more in full color.

10. Navigation key: Use for quick access to phone functions.

11. Confirmation key: Long press will launch the WAP browser. Allows you to select and confirm menu options.

13. Message key: Use to retrieve or send voice and text messages.

14. End/Power key: Allows you to power the phone on or off, end calls, or return to Standby Mode.

Antenna

Handstrap Hole

Battery Lock

SIM Card
Socket

Battery
Terminals

Battery

Cable Connector/
Battery Charging Connector
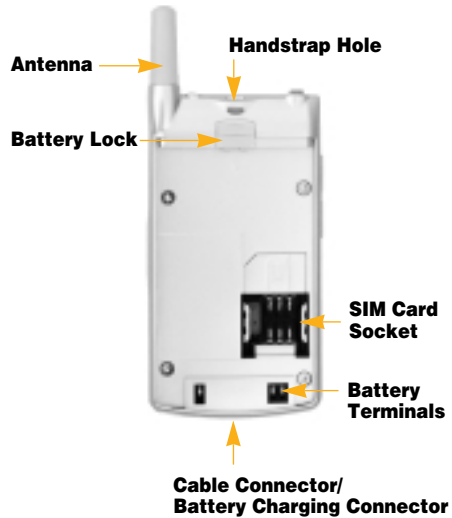
Display Information

The table below describes various display indicators or icons that appear on the phone's display screen.

On-Screen Icons

Icon	Description
	Indicates the strength of the network signal.
	Indicates a call is in progress.
	Indicates that you are roaming off the network.
	Indicates that GPRS service is available.
	Indicates the alarm has been set and is on.
	Indicates the status of the battery charge.
	Indicates the receipt of a text message.
	Indicates the receipt of a voice message.
	Indicates that the vibration ringer has been set.
	Indicates the receipt of an e-mail message.
	Indicates the Loud menu in Profiles.
	Indicates the Quiet menu in Profiles.
	Indicates the Headset menu in Profiles.
	Indicates the Car menu in Profiles.
	Indicates the General menu in Profiles.
	Indicates that you can use the push message service.
	Indicates the Schedule function.

Getting Started

Using the Battery, Charger and SIM Card

Installing and Removing the Battery

To install, insert the battery into the opening on the back of the phone and gently press down until the latch snaps into place.

To remove, first make sure the power is off. Press the battery release latch up and remove the battery from the phone at a 45-degree angle.

Installing the Battery

To install the battery, insert the bottom of the battery into the opening on the back of the phone. Then push the battery down until the latch clicks.

Removing the Battery

Turn the power off. (If power is left on, there is a chance you could lose the stored telephone numbers and messages.)

Pressing the release latch upwards will detach the battery from the phone.
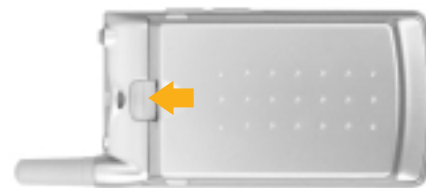
Charging the Battery

Use of unauthorized accessories could damage your phone and invalidate your warranty.
To use the travel adapter provided with your phone:

1. With the battery in position on the phone, connect the lead from the travel adapter to the bottom of the phone. Check that the arrow on the lead connector is facing towards the front of the phone.

2. Connect the adapter to a standard AC wall outlet. Only use the travel adapter that comes included with the package.

⚠ Warning Do not force the connector as this may damage the phone and/or the travel adapter.

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Disconnecting the charger

When charging is finished, disconnect the adapter from the power outlet and from the phone by pressing on the gray tabs on both sides of the connector while pulling the connector out.

⚠ **Notice**

The battery delivered with your phone has to be fully charged before using it.

Do not remove the battery or the SIM card while charging.

If your phone is powered on while charging, you'll see the bars in the battery indicator icon cycle.
When the battery is fully charged, the bars in the battery indicator icon will flash on and off

If your phone is powered off, the display will show the charging status. "**Charging**" or "**Full**" will be displayed.

Charging	FUII
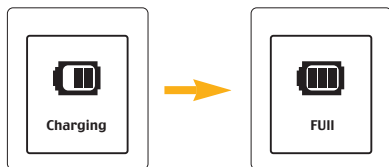
If the battery fails to charge completely:

After turning the phone on and off, please attempt to recharge the battery.

After detaching and reattaching the battery, please attempt to recharge the battery.

Installing the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details (PIN, optional services available and so on).
Locate the SIM card socket in the back of the phone. Follow the steps below to install the SIM card.

1. Remove the battery if attached.
2. Slide the SIM card into the SIM card holder so that the holder locks the card in position.

⚠ **Notice** When you need to remove the SIM card, slide it towards the top of the phone and take it out of the holder.

⚠ **Notice**

Before installing always make sure that the phone is switched off and remove the battery.

The metal contact of the SIM card can be easily damaged by scratches. Pay special attention to the SIM card while handling and installing. Follow the instructions supplied with the SIM card.

Turning Your Phone On and Off

Turning Your Phone On

1. Install a charged battery pack or connect the phone to an external power source such as the vehicle power adapter or car kit.

2. Press 🔘 for more than five seconds.

3. Depending on the status of the PIN code Request setting you may or may not need to enter it.

⚠ **Notice** Like any other radio device, avoid any unnecessary contact with the antenna while your phone is on.

Turning Your Phone Off

1. Press 🔘 for a few seconds.

Access Codes

You can use the access codes described in this section to avoid unauthorized use of your phone. The access codes (except PUK and PUK2 codes) can be changed by using the **Change codes** feature [Menu 4-5-4].

PIN code (4 to 8 digits)

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 set to Enable, your phone will request the PIN code every time it is switched on. When the **PIN Code Request** is set to **Disable**, your phone connects to the network directly without the PIN code.

PIN2 code (4 to 8 digits)

The PIN2 code, supplied with some SIM cards, is required to access functions such as Advice of Call Charge and Fixed Dial Number. These functions are only available if supported by your SIM card.

PUK code (4 to 8 digits)

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 lose the code, contact your service provider.

PUK2 code (4 to 8 digits)

The PUK2 code, supplied with some SIM cards, is required to change a blocked PIN2 code. If you lose the code, contact your service provider.

Security code (4 to 8 digits)

The security code protects the unauthorized use of your phone. The default security code is set to **"0000"** and the security code is required to delete all phone entries and to activate the Restore Factory Settings menu. The security code default setting can be modified from the Security Settings menu.

Barring Password

The barring password is required when you use the Call Barring function. The password is obtained from the service provider when you subscribe to this function. See page 65 for further details.

General Functions

Making and Answering Calls

Making a Call

1. Make sure your phone is powered on.

2. Enter a phone number including the area code. To edit a number on the display screen, press the right/left navigation keys to move the cursor to desired position or simply press the right/left navigation keys to erase one digit at a time.

  Press and hold the right soft key[**Clear**] to erase the entire number.

3. Press 🔽 to call the number.

4. When finished, press 🔘.

Making a Call by Send Key

1. Press 🔽, and the most recent incoming, outgoing and missed phone numbers will be displayed.

2. Select the desired number by using the navigation key.

3. Press 🔽.

Making International Calls

1. Press and hold the ⓪⁺ key for the international prefix. The "+" character can be replaced with the international access code.

2. Enter the country code, area code, and the phone number.

3. Press 🔽 .

Ending a Call

When you have finished a call, press the 🔘 key.

Making a Call From the Phonebook

You can store names and phone numbers dialed frequently in the SIM card as well as the phone memory known as the Phonebook.

You can dial a number by simply looking up a name in the phonebook. For more details on the Phonebook feature, please refer to page 68.

Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the side keys of the phone.
In idle mode with the flip cover open, you can adjust the key volume using the side keys.

Answering a Call

When you receive a call, the phone rings and the flashing phone icon appears on the screen. If the caller can be identified, the caller's phone number(or name if stored in your phonebook) is displayed.

1. Open the flip and press the 🔽 key or the left soft key to answer an incoming call. If the **Any key** menu option(Menu 4.4.2) has been set to 🔘 , any key press will answer a call except for the 🔘 key or the right soft key.

  ⓘ **Notice**

  To reject an incoming call, press and hold the side keys on the left side of the phone without opening the flip.

  If the **Flip open** menu option(Menu 4.4.2) is set to 🔘 , you do not need to press any key. You can answer the call simply by opening the flip.

2. End the call by closing the phone or pressing the 🔘 key.

  ⓘ **Notice** You can answer a call while using the phonebook or other menu features.

Manner Mode (Quick)

When the flip is closed, Manner Mode can be activated by pressing and hold down Side keys.

Signal Strength

Since the antenna is fixed, it does not extend. If you are inside a building, being near a window may give you better reception. You can see the strength of your signal by the signal indicator (📶) on your phone's display screen.

Entering Text

You can enter alphanumeric characters by using the phone's keypad. For example, storing names in the phonebook, writing a message, creating a personal greeting or scheduling events in the calendar all require entering text.

Following text input methods are available in the phone.

T9 Mode

This mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter. The T9 mode automatically compares your keystrokes with an internal linguistic dictionary to determine the correct word, thus requiring far fewer keystrokes than the traditional ABC mode.

ABC Mode

This mode allows you to enter letters by pressing the key labeled with the required letter once, twice, three or four times until the letter is displayed.

123 Mode (Numbers Mode)

Type numbers using one keystroke per number. To change to 123 mode in a text entry field, press ⌗ key until 123 mode is displayed.

Symbolic Mode

This mode allows you to enter special characters.

⚠ **Notice** You can select a different T9 language from the menu option. The default setting on the phone is T9 enabled mode. To turn it off, select the T9 Off option from the menu.

Changing the Text Input Mode

1. When you are in a field that allows characters to be entered, you will notice the text input mode indicator in the upper right corner of the display.

```
┌─────────────────────┐
│ Write message       │
│                     │
│ 918      ⒶⒷ En T9  │
│ _                   │
│                     │
│                     │
│                     │
│                     │
│ Options      Back   │
└─────────────────────┘
```
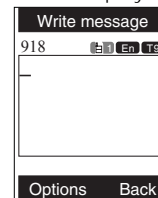
2. If you want to change modes, press the ⌗ key. The available modes are displayed.

Using the T9 Mode

The T9 predictive text input mode allows you to enter words easily with a minimum number of key presses. As you press each key, the phone begins to display the characters that it thinks you are typing based on a built-in dictionary. As new letters are added, the word changes to reflect the most likely candidate from the dictionary.

1. When you are in the T9 predictive text input mode, start entering a word by pressing keys ②ᴬᴮᶜ to ⑨ᵂˣʸᶻ. Press one key per letter.

The word changes as letters are typed - ignore what's on the screen until the word is typed completely.

If the word is still incorrect after typing completely, press the down navigation key once or more to cycle through the other word options.

Example: Press 4ᴳᴴᴵ 6ᴹᴺᴼ 6ᴹᴺᴼ 3ᴰᴱᶠ to type **Good**

Press 4ᴳᴴᴵ 6ᴹᴺᴼ 6ᴹᴺᴼ 3ᴰᴱᶠ [down navigation key] to type **Home**

If the desired word is missing from the word choices list, add it by using the ABC mode.

2. Enter the whole word before editing or deleting any keystrokes.

3. Complete each word with a space by pressing the 0+ key.

To delete letters, press right soft key[**Clear**]. Press and hold down right soft key[**Clear**] to erase entire words.

⊕ **Notice**   To exit the text input mode without saving your input, press 🔚 . The phone returns to the previous menu level.

Using the ABC Mode

Use the 2ᴬᴮᶜ to 9ᵂˣʸᶻ keys to enter your text.

1.Press the key labeled with the required letter:

Once for the first letter
Twice for the second letter
And so on

2.To insert a space, press the 0+ key once. To delete letters, press the right soft key[**Clear**]. Press and hold down the right soft key[**Clear**] to clear the display.

⊕ **Notice**   Refer to the table below for more information on the characters available using the keys.

Key	Characters in the Order Display	
	Upper Case	Lower Case
1	**. , - ¿ ? i ! @ 1**	**. , - ¿ ? i ! @ 1**
2	**A B C Á Ã Ç 2**	**a b c á ã ç 2**
3	**D E F É 3**	**d e f é 3**
4	**G H I Í 4**	**g h i í 4**
5	**J K L 5**	**j k l 5**
6	**M N O Ó Ñ 6**	**m n o ó ñ 6**
7	**P Q R S 7**	**p q r s 7**
8	**T U V Ú Ü 8**	**t u v ú ü 8**
9	**W X Y Z 9**	**w x y z 9**
0	**Space Key**	**Space Key**

Using the 123 (Numbers) Mode

The 123 Mode enables you to enter numbers in a text message (a telephone number, for example).

Press the keys corresponding to the required digits before manually switching back to the appropriate text entry mode.

Using the Symbol Mode

The Symbol Mode enables you to enter various symbols or special characters.

To enter a symbol, press the * key. Use the navigation keys to select the desired symbol and press the [**OK**] key.

Phonebook

You can store phone numbers and their corresponding names in the memory of your SIM card.

In addition, you can store up to 255 numbers and names in the phone memory.

The SIM card and phone memory, although physically separate, are utilized like a single entity known as the Phonebook. (See page 67 for details)

In-Call Menu

Your phone provides a number of control functions that you can use during a call. To access these functions during a call, press the left soft key [**Options**].

During a Call

The menu displayed on the handset screen during a call is different than the default main menu displayed when in idle screen, and the options are described below.

Making a Second Call

You can get a number you wish to dial from the phonebook to make a second call. Press the right soft key then select Search. To save the dialed number into the phonebook during a call, press the right soft key then select **Add New**.

Swapping Between Two Calls

To switch between two calls, press the left soft key, and then select Swap.

Answering an Incoming Call

To answer an incoming call when the handset is ringing, simply press the ⌇ key. The handset is also able to warn you of an incoming call while you are already on a call. A tone sounds in the earpiece, and the display will show that a second call is waiting. This feature, known as **Call Waiting**, is only available if your network supports it. For details of how to activate and deactivate it see **Call Waiting** [Menu 4-4-4].

If Call Waiting is on, you can put the first call on hold and answer the second, by pressing ⌇ or by pressing the left soft key, and then selecting the Hold & Answer. You can end the current call and answer the waiting call by pressing the left soft key and then selecting End & Answer.

Rejecting an Incoming Call

You can reject an incoming call without answering by simply pressing the ⌾ key.

During a call, you can reject an incoming call by pressing the left soft key, which is the [**Menu**] key and selecting the **Conference/Reject** or by pressing the ⌾ key.

Muting the Microphone

You can mute the microphone during a call by pressing the [**Menu**] key then selecting **Mute on**. The handset can be unmuted by pressing the **Mute off** menu. When the handset is muted, the caller cannot hear you, but you can still hear them.

Switching DTMF Tones on During a Call

To turn DTMF tones on during a call, press the left soft key, and then select **DTMF on**. DTMF tones can be turned off the same way. DTMF tones allow your phone to make use of an automated switchboard.

Multiparty or Conference Calls

The multiparty or conference service provides you with the ability to have a simultaneous conversation with more than one caller, if your network service provider supports this feature. A multiparty call can only be set up when you have one active call and one call on hold, both calls having been answered. Once a multiparty call is set up, calls may be added, disconnected or separated (that is, removed from the multiparty call but still connected to you) by the person who set up the multiparty call. These options are all available from the In-Call menu. The maximum callers in a multiparty call are five. Once started, you are in control of the multiparty call, and only you can add calls to the multiparty call.

Making a Second Call

You can make a second call while currently on a call. Enter the second number and press the ⦽ . When the second call is connected, the first call is automatically placed on hold. You can swap between calls, by selecting the left soft key and then selecting Swap.

Setting Up a Conference Call

To set up a conference call, place one call on hold and while the active call is on, press the left soft key and then select the Conference/Join all.

Putting a Conference Call on Hold

To put a conference call on hold, press the left soft key, and then select the Conference/Hold all.

Activate the Conference Call on Hold

To activate a conference call on hold, press the left soft key, and then select the Conference/Join all.

Adding Calls to the Conference Call

To add a call to an existing conference call, press the left soft key, and then select the Conference/Join all.

Displaying Callers in a Conference Call

To scroll through the numbers of the callers who make up a conference call on the handset screen, press the up/down navigation keys.

Private Call in a Conference Call

To have a private call with one caller from a conference call, display the number of the caller you wish to talk to on the screen, then press the left soft key. Select the Conference/Private to put all the other callers on hold.

Ending a Conference Call

Currently displayed caller from a conference call can be disconnected by pressing the 📵 key. To end a conference call, press the left soft key, and then select the Conference/End multiparty. Selecting the left soft key then Conference/End all, will end all the active and on-hold calls.

Menu Tree

The following illustration shows the available menu structure and indicates the:

Number assigned to each menu option.
Page where you can find the feature description.

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1.1.6 Delete

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2.8.1 WAP information
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*: Shown only if supported by CPHS(Common PCS Handset Specification)

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- **4.7 GPRS settings**
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- **5.3 Phonebook**
  - 5.3.1 Search
  - 5.3.2 Add new
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- **6.1 Game**
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*: Shown only if supported by CPHS(Common PCS Handset Specification)

Selecting Functions and Options

Your phone offers a set of functions that allow you to customize the phone. These functions are arranged in menus and sub-menus, accessed via the two soft keys marked ⬩ 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.

Press the left soft key to access the available menu.

Press the right soft key to access the available names.

Messages

Text Messages   Menu 1.1

Your phone receives voice mail notification messages and Short Message Service (SMS) messages.
Voice mail and SMS are network services. Please contact your service provider for more information.
When the ⬩ icon appears, you have received a new voice mail. When the ✉ icon appears, you have received a new text message. If the message memory is full, an error message is displayed, the ✉ icon flashes and you cannot receive any new messages. Use the **Delete** option in the **Inbox** (Menu 1.1.2) to delete obsolete messages. Once there is space in the memory any undelivered SMS messages will be received (provided sufficient space is available).

Write Message   (Menu 1.1.1)

You can write and edit text messages of up to 918 characters.

1. Type in a message using key presses. For details on how to enter text, refer to page 26 (**Entering Text**).

2. After completing the message select the required option by pressing the left soft key [**Options**].

The following options are available.

Send to number: Enter the phone number or select the number from the phone book.

✱ **Send to email:** Enter the email or select the email from the phone book.

Save to draft: Save the message so that it can be sent later.

Attach:

• **Symbol:** Attach special characters.

• **Picture:** Send and receive text messages that contain pictures, known as "picture messages". Several preset pictures are available in the phone and they can be replaced with new ones received from other sources.

✱: Shown only if supported by SIM card

• **Animation:** Attaching an animation in a message can be done through EMS(Enhanced Messaging Service).

• **Sound:** Attach sounds that are available for short message.

• **Text template:** Use the text templates already set in the phone.

• **Phone number:** Attach a phone number.

• **Name card:** Attach your name card.

T9 languages: Choose between English or Spanish T9 language. For details on how to enter text, refer to page 27 (**Using the T9 Mode**).

Clear text: Deletes the written message.

Exit: Exit the text editor.

Inbox
(Menu 1.1.2)

Received text messages, page messages, and email lists may be searched and the contents may be viewed.
Received messages are displayed from newest to oldest.

1. Press the left soft key [**Menu**].
2. Press ⌨ ⌨ .
3. Select ⌨ .

Icon directive

[ ] Read SIM email   [ ] Unread SIM message
[ ] Unread SIM email   [ ] Read message
[ ] Read email   [ ] Unread message
[ ] Unread email   [ ] Read delivery report
[ ] Read SIM message   [ ] Unread delivery report

The following options are available.

Reply: Replies to the received message.

Forward: Forwards a received message to other recipients. After recipients are entered, the message can be forwarded.

Return call: Call back the sender.

Extract: Extract picture, sound, text webpage and email address from the message. They will be saved in My Folder, phonebook or bookmarks.

Delete: Deletes the selected message from the Inbox.

Outbox
(Menu 1.1.3)

View lists and contents of sent messages in this menu and also verify if transmission was successful.

The following options are available.

Forward: Forwards the current message to other recipients.

Delete: Deletes the selected message from the Outbox.

Icon directive

[ ] Sent SIM email   [ ] Sent SIM message
[ ] Sent email   [ ] Sent message

Draft
(Menu 1.1.4)

This menu option shows the preset message list. Scroll through the list using the up/down navigation keys.

The following options are available.

Send: Sends the current message to other recipients.

Delete: Deletes the selected preset message.

Settings
(Menu 1.1.5)

This menu allows you to set up default SMS information.

* **Message types:** Allows you to set the default message type (Text, Voice, Fax, Paging, X.400, E-mail, ERMES). The network can convert the messages into the selected format. The type of message you desire can be set to Text Type.

* **Valid period:** Allows you to set the length of time for which your text messages will be stored at the SMS center while attempts are made to deliver them to the recipient. Possible values are Maximum, 30minutes, 1hour, 6hours, 1day and 1week which can be authorized by your service provider.

* **Delivery reports:** Allows you to activate or deactivate the report function. When this function is activated, the network informs you whether or not your message has been delivered.

* **Reply with same service:** Allows the recipient of your SMS message to send you a reply via your message center, if the service is provided by the network.

  Message center number: Allows you to store or change the number of your email gateway required when sending text messages. You must obtain this number from your service provider.

* **Email gateway:** Allows you to store or change the number of your email gateway required when sending text messages.

* **Subject:** If you set it to on, allows you to enter the subject.

* **Bearer setting:** You can select Dual, GPRS or GSM. Contact your network operator or service provider for information related to setting a selected bearer, pricing and connection speed.
  GSM Only/GPRS Only

Delete
(Menu 1.1.6)

Allows you to delete read and all messages.
Read messages/All messages

✳: Shown only if supported by SIM card

✳ Voice Messages
Menu 1.2

This menu provides you with a quick way of accessing your voice mailbox (if provided by your network).
Before using this feature, you must enter the voice server number obtained from your service provider.

When new voicemail is received, the symbol will be displayed on the screen. Please check with your network service provider for details of their service in order to configure the handset accordingly.

Listen to Voice Messages
(Menu 1.2.1)

Once this option has been selected, simply press the left soft key [**OK**] to listen to voicemail messages. You may also hold down the ⌣ key in standby mode to listen to voicemail messages.

Voice Mailbox Number
(Menu 1.2.2)

You can input and set the number of voice mail.

✳ Info Service
Menu 1.3

Info service messages are text messages sent by the network to GSM phone users. They provide general information such as weather reports, traffic news, taxis, pharmacies, and stock prices. Each type of information is associated with a number, which can be obtained from the service provider. When you receive an info service message, a popup message will indicate a new message receipt or the info service message will be displayed directly. In standby mode, the following options are available when viewing the info service message.

Receive
(Menu 1.3.1)

Ability to enable or disable the reception of broadcast messages.

Inbox
(Menu 1.3.2)

The list of received broadcast messages can be searched and the contents viewed.

Topics
(Menu 1.3.3)

To create new topics, press the left soft key[**OK**] and then select the new topics menu by pressing the left soft key [**Options**]. You can **Deactivate**, **Edit**, **Delete** and **Add new** topics by pressing the left soft key [**OK**].

Alert
(Menu 1.3.4)

Ability to select the alert type for a new message.

Auto Display
(Menu 1.3.5)

This option will automatically display all broadcast messages received. Scroll through the messages using the up/down navigation keys.

Languages
(Menu 1.3.6)

This option allows you to select the language preferred. The cell broadcast message will be displayed in the language selected. If you use all languages supported by phone, select "**Automatic**" at the bottom of the list.

Templates
Menu 1.4

There are 10 predefined messages in the list. You can view and edit the template messages or create new messages.

• **Please call me back**
• **I'm late. I will be there at**
• **Where are you now?**
• **I'm on the way.**
• **Top urgent. Please contact.**
• **I love you**

The following options are available.

Edit: Allows you to write a new message or edit the selected template message.

Delete: Allows you to delete the selected template message.

Send via text message: Sends the selected template message by SMS.

Add new: Allows you to create new messages.

Name Card   *Menu 1.5*

This option allows you to make your own name card. Key in the Name, Mobile number, Office number,Fax number and E-mail address.

Edit: Allows you to write a new message or edit the selected name card.

Delete: Allows you to delete the selected name card.

Send via text message: Sends the selected name card by SMS.

Check Memory   *Menu 1.6*

You can check how many free locations are in the phonebook (card and phone memories).

Call Register

You can check the record of missed, received, and dialed calls only if the network supports the Calling Line Identification (CLI) within the service area.

The number and name (if available) are displayed together with the date and time at which the call was made. You can also view call times and costs.

Missed Calls   *Menu 2.1*

This option lets you view the last 10 unanswered calls. You can also:

• View the number if available and call it, or save it in the phonebook

• Enter a new name for the number and save both in the phonebook

• Send a message by this number

• Delete the call from the list

• Delete all missed calls from the list

Received Calls   *Menu 2.2*

This option lets you view the last 10 incoming calls. You can also:

• View the number if available and call it, or save it in the phonebook

• Enter a new name for the number and save both in the phonebook

• Send a message by this number

• Delete the call from the list

• Delete all incoming calls from the list

Dialed Calls   *Menu 2.3*

This option lets you view the last 10 outgoing calls(called or attempted). You can also:

• View the number if available and call it or save it in the phonebook

• Enter new name for the number and save both in the phonebook

• Send a message by this number

• Delete the call from the list

• Delete all incoming calls from the list

Delete Recent Calls   *Menu 2.4*

Allows you to delete **Missed**, **Received** and **Dialed call** lists. You can delete all call lists at one time.

Call Durations   *Menu 2.5*

Allows you to view the duration of your incoming and outgoing calls. You can also reset the call times.
The following timers are available:

Last Call   *(Menu 2.5.1)*

Length of the last call.

Received Calls   *(Menu 2.5.2)*

Length of the incoming calls.

Dialed Calls   *(Menu 2.5.3)*

Length of the outgoing calls.

All Calls   *(Menu 2.5.4)*

Total length of all calls made and incoming calls since the timer was last reset.

Notice   The actual time invoiced for calls by your service provider may vary, depending upon network features, rounding-off for billing, and so forth.

*Call Costs   *Menu 2.6*

Call costs allows you to check the cost of the last call or all calls. The call costs are displayed separately for each SIM card. To reset the cost, you need the PIN2 code.

The following options are available:

Last Call's Cost   *(Menu 2.6.1)*

Cost of the last call made.

All Calls' Cost   *(Menu 2.6.2)*

Total cost of all calls made since the cost counter was last reset. If the total cost exceeds the maximum cost set, you will no longer be able to make any calls, except calls to the emergency services, until you reset the counter.

Notice   The actual cost invoiced for calls by your service provider may vary, depending upon network features, rounding-off for billing, tax, and so forth.

*: Shown only if supported by SIM card

✳ Cost Settings   *Menu 2.7*

Call Cost's Limit   *(Menu 2.7.1)*

This network service allows you to limit the cost of your calls by selected charging units. If you select **Read**, the number of remaining unit is shown. If you select **Change**, you can change your charge limit.

Set Tariff   *(Menu 2.7.2)*

You can set the currency type and the unit price. Contact your service providers to obtain charging unit prices. To select the **Currency** or **1 Unit** in this menu, you need the PIN2 code.

⚠ **Note**   When all units have been used, no calls can be made except emergency calls. Depending on the SIM card, you need the PIN2 code to set a call cost limit.

Auto Display   *(Menu 2.7.3)*

This network service allows you to see automatically the cost of your last calls. If you select **On** in **Auto display** menu, you can see the cost of the last call when the call is released.

GPRS Information   *Menu 2.8*

You can check the amount of data transferred over the network through the GPRS information option. In addition, you can also view how much time you are online.

⚠ **Notice**   **GPRS** General Packet Radio Service

WAP Information   *(Menu 2.8.1)*

You can check the data volume and the duration through WAP.

External Device   *(Menu 2.8.2)*

You can check the data volume and the duration through GPRS by using an external device such as a serial port.

Total Data   *(Menu 2.8.3)*

You can check the total amount of data through WAP and an external device.

Profiles

In Profiles, you can adjust and customize the phone tones for different events, environments, or caller groups.
There are six preset profiles: **Vibrate only**, **Silent**, **General**, **Loud**, **Headset** and **Car**. Silent, General and Loud profiles can be customized to meet your needs.

Changing the profile

1. A list of profiles opens.
2. In the Profiles list, scroll to a desired profile and select "**Activate**".

Customizing profiles (Personalize)

1. To modify a profile, scroll to the desired profile in the Profiles list and select "**Personalize**". A list of profile settings opens.

2. Scroll to the setting you want to change and press the up/down navigation keys to open the following choices:

• **Incoming call alert:** To set the alert type for incoming call.

• **Ringing tone:** To set the ringing tone for voice calls, choose one from the list. Scroll through the list and listen to the desired tone prior to making a selection. Press any key to stop the sound.

• **Ringing volume:** To set the volume level for the ringing tones.

• **Message alert type:** To set the alert type for messages.

• **Message alert tone:** To set the alert tone for messages.

• **Key volume:** To set the volume level for keypad tones.

Customizing profiles (Rename)

1. To modify a profile, scroll to the desired profile in the Profiles list and select "**Rename**".

2. You can rename a profile and give it any name you want. The **Vibrate only, Headset** and **Car** profiles cannot be renamed.

Settings

Alarm Clock   *Menu 4.1*

Set the alarm to ring at a specific time. In the **Alarm Clock** menu, the following options are available.
On: Set the time(hour and minute) for activating the alarm.

1. Enter the menu.
2. Select [**On**] by pressing the right/left navigation keys.
3. If you want to set the time for activating the alarm, press the down navigation key.

4. Enter the required time, press the down navigation key.

5. The following options are available.

• **Once:** The alarm rings only once and is then deactivated.

• **Daily:** The alarm rings every day at the same time.

• **Weekly:** The alarm rings every week on the same day and at the same time.

• **Monthly:** The alarm rings every month on the same day and at the same time.

6. Allows you to select the alarm melody by using the right/left navigation keys.

7. Press the left soft key [**Set**].

Off: Cancel the alarm.

⚠ **Notice**   If this option is set to **On**, the alarm will ring at the specified time, even when the phone is switched off. To stop the alarm when it rings, open the phone and press the right soft key[**Quit**].

Date & Time Settings   *Menu 4.2*

Date & Time   *(Menu 4.2.1)*

This option allows you to change the current time and date displayed.

The following options are available:

Set Date: Allows you to enter the day, month and year. You can change the date format via the Date Format menu option.

Format : Allows you to change the time and date formats.

Date Format

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

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

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

Set Time: Allows you to enter the current time. You can choose the time format via the Time Format menu option.

Time Format

24 hours/12 hours

Auto Update   *(Menu 4.2.2)*

Select **On** to set the phone to automatically update the time and date according to the current time zone.

Phone Settings *Menu 4.3*

Many different features of your phone can be customized to suit your preferences. All of these features are accessed via the **Phone settings** menu.

Display Settings *(Menu 4.3.1)*

Wallpaper: You can set up the screen displayed on the LCD screen in the standby mode.

Backlight: You can select whether or not the phone uses the backlight. A marginal increase in the standby/talk time can be achieved by turning the backlight off.

- **Off** means that the backlight is never on.

- **10 seconds** turns the backlight off 10 seconds after the last key was pressed.

- **30 seconds** turns the backlight off 30 seconds after the last key was pressed.

- **60 seconds** turns the backlight off 60 seconds after the last key was pressed.

- **Always on** turns the backlight always on while flip is opened.

Contrast: This option allows you to adjust the contrast of the LCD screen by pressing the navigation key.

✳ Language *(Menu 4.3.2)*

You can select the display language. When the language option is set to Automatic, the language is automatically selected according to the language of the SIM card used. English will be set if the language on the SIM card is not supported in the phone.

LED indicator *(Menu 4.3.3)*

This option allows you to select whether or not the service light on the top of the phone is used.

The following options are available.

Enable: The service light flashes when the phone is ready for use.

Disable: The service light is not used

Call Settings *Menu 4.4*

To change the settings for call diverting:

✳ Call Divert *(Menu 4.4.1)*

When this network service is activated, you can direct your incoming calls to another number, for example, to your voice mailbox number. For details, contact your service provider. Select one of the divert options, for example, select **If busy** to divert voice calls when your number is busy or when you reject incoming calls.

The following options are available:

All voice calls: Diverts voice calls unconditionally.

If busy: Diverts voice calls when the phone is in use.

If no reply: Diverts voice calls which you do not answer.

If out of reach: Diverts voice calls when the phone is switched off or out of coverage.

All data calls: Diverts to a number with a PC connection unconditionally.

All fax calls: Diverts to a number with a fax connection unconditionally.

• **Activate:** Activates the corresponding service.

 - **To voice mail:** Forwards to voice mail center. This function does not include All data calls and All fax calls menus.

 - **To other number:** Inputs the number for diverting.

• **Cancel:** Cancels the corresponding service.

• **View status:** Checking the status of the service.

Cancel all: Cancels all call divert service.

Answer Mode   (Menu 4.4.2)

Allows you to determine when to answer the phone.

Flip open: This option allows you to answer a call simply by opening the flip.

Any key: You can answer an incoming call by pressing any key, except the ⬚ key.

Only send key: You can answer an incoming call by only pressing the ⬚ key.

✳ Send My Number   (Menu 4.4.3)

This network service allows you to set your phone number to be displayed (**On**) or hidden (**Off**) from the person to whom you are calling. Select **Set by network** to reset the phone to the setting that you have agreed upon with your service provider.

✳ Call Waiting   (Menu 4.4.4)

The network will notify you of a new incoming call while you have a call in progress. Select **Activate** to request the network to activate call waiting, **Cancel** to request the network to deactivate call waiting, or **View status**, to check if the function is active or not.

Minute Minder   (Menu 4.4.5)

This option allows you to specify whether the phone must beep every minute during an outgoing call to keep you informed of the length of the call.

Auto Redial   (Menu 4.4.6)

Select **On**, and your phone will make a maximum of three attempts to connect the call after an unsuccessful call attempt.

✳ Closed User Group   (Menu 4.4.7)

Closed user group is a network service that specifies the group of people whom you can call and who can call you. For more information contact your network operator or service provider. If a group index is specified, it is used for all outgoing calls. If no group index is specified, the network will use the preferential index (a specific index that is stored in the network).

Preset: Setting the selected CUG Index.

On: Activating and editing the CUG Index.

Off: Deleting the selected CUG.

Select Line   (Menu 4.4.8)

This setting is shown only if the SIM card supports two subscriber numbers, that is, two phone lines. Select which phone line **(Line 1** or **Line 2)** you want to use for making calls and sending short messages. Calls on both lines can be answered irrespective of the selected line.

⚠ **Note**   You will not be able to make calls if you select **Line 2** and have not sbscribed to this network service.

Security Settings
Menu 4.5

Various codes and passwords are used to protect the features of your phone. They are described in the following sections (see pages 22 ~ 23)

PIN Code Request
(Menu 4.5.1)

When the PIN code request feature is enabled, you must enter your PIN each time you switch the phone on. Consequently, any person who does not have your PIN cannot use your phone without your approval.

Note Before disabling the PIN code request feature, you must enter your PIN

The following options are available:

• **Enable:** You must enter the PIN each time the phone is switched on.

• **Disable:** The phone connects directly to the network when you switch it on.

✽ Call barring service
(Menu 4.5.2)

Call barring allows you to restrict from making and receiving calls with your phone. For this function, you need the barring password, which you can obtain from your service provider.

The following options are available:

All outgoing: Calls cannot be made.

Outgoing international: International calls cannot be made.

Outgoing international except home country: When abroad, calls can be made only to numbers within the current country and to your home country, which is where your home network provider is located.

All incoming: Calls cannot be received.

Incoming when abroad: Calls cannot be received when you are using your phone outside your home service area.

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

Change password: You can set and change the call barring password obtained from your service provider using this 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.

Note To use Call Barring service, you must input the network password. When calls are barred, calls may be possible to certain emergency numbers in some networks.

Fixed Dial Number(FDN)
(Menu 4.5.3)

Allows you to restrict your outgoing calls to selected phone numbers, if this function is supported by your SIM card. The PIN2 code is required.

The following options are available:

Enable: You can only call phone numbers stored in the phonebook. You must enter your PIN2.

Disable: You can call any number.

Number list: You can view the number list saved as fixed dial number.

Note Not all SIM cards have a PIN2. If your SIM card does not, this menu option is not displayed.

Change Codes
(Menu 4.5.4)

The Change codes feature allows you to change your current password to a new one. You must enter the current password before you can specify a new one.

You can change the access codes: **Security code, PIN1 code, PIN2 code**

Note **PIN**: Personal Identification Number.

✽: Shown only if supported by SIM card

* Network settings

Menu 4.6

The Network Settings feature enables you to indicate whether the network used when roaming(outside your home area) is selected **Automatic**, **Manual**, and **Preferred**.

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

Automatic

(Menu 4.6.1)

Allows you to set the phone to automatically search for and select one of the cellular networks available in your area.
The phone will be set to **Automatic** even though the power is off and on.

Manual

(Menu 4.6.2)

Allows you to select the desired network manually from a list of networks. If the connection to the manually selected network is lost, the phone will sound an error tone and ask you to select a network again. The selected network must have a roaming agreement with your home network, that is, the operator whose SIM card is in your phone. The phone lets you select another network if the phone fails to access the selected network. If you switch off the phone, the phone will be reset to **Automatic**.

Preferred

(Menu 4.6.3)

You can set a list of preferred networks the handset should attempt to register with first, before attempting to register to any other networks. This list is created from the handset's predefined list of known networks.

✽: Shown only if supported by SIM card

GPRS Settings

Menu 4.7

GPRS (General Packet Radio Service) is a technology that allows mobile phones to be used for sending and receiving data over the mobile network. GPRS is a data bearer that enables wireless access to data network such as the Internet.
The applications which use GPRS are WAP, MMS and SMS messages.

Before you can use GPRS technology:

• You need to subscribe to the GPRS service. For availability and subscription to GPRS service, contact your network operator or service provider.

• You need to save the GPRS settings for the applications used over GPRS.

Fees for GPRS and applications
Both the active GPRS connection and the applications used over GPRS, for example WAP service, sending and receiving data and SMS messages, require a fee. For more detailed information on fees, contact your network operator or service provider.

External Device

When you use Internet via GPRS by using an external device, you can set the following six profiles: **Rename**, **APN**, **IP address**, **DNS**, **User ID**, and **Password**.

Reset Settings

You can easily reset your phone to its default configuration. To do so, proceed, as follows.

1. Select the Reset Settings menu option.

2. Enter the 4-digit phone password.

⊘ Note   The password is preset to **0000**.

Organizer

Schedule

When you enter this menu a calendar will be displayed. Top of the screen indicates sections for date. Square cursor is used to locate a particular day. The under bar on the calendar indicates a schedule or memo on that day. This function helps to remind you of the schedule and memo. The phone will sound an alarm tone if it has been set for a specific note.

For changing the day, month, and year.

Key	Description
up/down navigation key	Weekly
left/right navigation key	Daily

⊘ Note   Your phone should be switched on to use this function.

• View

Press [**Options**] to delete or edit the note you selected.

• Edit

Allows you to edit the schedule.

• Delete

Allows you to delete the schedule.

• Add new

You can edit maximum of 30 characters and create up to 30 notes.

• Calendar

Allows you to consult the calender.

• **Scheduler tone**

The phone can sound an alarm tone when the scheduled date for an event has been reached with this option.

• **View all schedules**

Shows the notes that are set for all days. Use the up/down navigation keys to browse through the note lists. You can use the menu by press the left soft key [**Options**].

• **Go to date**

Allows you to jump to a specific date.

• **Delete past**

Delete past schedule event that has already been notified.

• **Delete all**

Delete all schedules. You are asked to confirm your action.

⚠ **Note**   You can see Edit, Delete,View all schedules, Delete past, and Delete all menus dependent on setting of the schedule.

Memo   *Menu 5.2*

To write, edit and delete a memo on a specific date, proceed as follows.

1. Scroll to highlight Memo.
2. Press the left soft key [**Add**].
3. Input the memo and press the left soft key [**Options**].

The following options are available.

Save: Allows you to save the memo.

T9 languages: Allows you to select the T9 language to use in memo.

Exit editor: Allows you to exit in memo editor.

Or

1. Select a Memo.
2. Press the left soft key [**Select**].
3. Press the left soft key [**Options**].

The following options are available.

Edit: If you select a memo that already exists, you can press the left soft key [**Options   Edit**] to edit the memo displayed.

Delete: Allows you to delete the memo. You can press the left soft key [**Options   Delete**] to edit the memo displayed.

Add new: Add a new memo, up to 20 memos and 40 characters per each memo.

Delete all: Allows you to delete all memos. You are asked to confirm your action.

Phonebook
Menu 5.3

You can store phone numbers and their corresponding names in the memory of your SIM card. In addition, you can store up to 255 numbers and names in the phone memory. The SIM card and phone memories, although physically separate, are used as if they were a single entity, called the phonebook.

1. To use the **Phonebook**, press the right soft key [**Names**] in the standby mode.

2. To use the **Phonebook**, press the left soft key [**Menu**] in the standby mode and select the **Organizer.**

⚠ **Note** To use the Phonebook, press the right soft key [Names] in standby mode or press the left soft key [Menu], $\boxed{5^{\text{JKL}}}$, $\boxed{3^{\text{DEF}}}$.

Search
(Menu 5.3.1)

1. When the idle screen is displayed, press the right soft key [**Names**]. You are asked to enter a name.

2. Enter the start of the name that you wish to find and press the left soft key [**Search**].

⚠ **Note** You can also scroll through the phonebook from the beginning, by pressing the left soft key [Search] directly.

3. If you want to edit, delete, copy an entry, or to add the voice to one, select [**Options**].

4. Once you have found the required entry, press the 📞 to dial the number.

• **View detail:** To view in detail the selected name.

• **Edit:** You can edit the name, number, E-mail group and memo by press the left soft key [**OK**].

• **Delete:** You can delete an entry.

• **Write text message:** You can write text a message. For further details, see page 39.

• **Copy:** You can copy an entry from SIM to phone or from phone to SIM.

Add New
(Menu 5.3.2)

You can add a phonebook entry by using this function. Phone memory capacity is 255 entries. SIM card memory capacity depends on the cellular service provider. You can also save 20 characters of name in the phone memory, and save characters in the SIM card. The number of characters is dependent on the SIM.

1. Open the phonebook first by pressing the right soft key [**Names**] in standby mode.

2. Scroll to highlight **Add New**, and press the left soft key [**OK**].

3. Enter a name and then press the down navigation key.

4. Enter a number and then press the down navigation key.

5. You can set a group for the entry by pressing the right/left navigation key.

6. Press left soft key [**Save**].

You should say the words within 2 seconds, and the phone asks you to say it again to ensure the accuracy of voice recognition.

⚠ **Note** The voice can only be attached to the main number which you set. For example, if you change the main number, voice will be automatically attached to the changed number. This means that you cannot attach voice to mobile, office and home numbers simultaneously. You can add a voice tag to a phone number in the SIM card. The voice tag can be erased if you remove or change the SIM card.

Speed Dials   *(Menu 5.3.3)*

You can assign any of the keys, ⨀ to ⨀ with a name list entry.
You can call directly by pressing this key for 2-3 seconds.

1. Open the phonebook first by pressing the right soft key [**Names**]
in a standby mode.

2. Scroll to **Speed Dials**, then press the left soft key [**OK**].

3. If you want to add a number to speed dial, select <**Empty**>.
Then, you can search the name from the phonebook.

4. Select the name from the speed dial. You can change and delete
the name. In addition, you can call by this number, write text
message, and multimedia message.

Caller Groups   *(Menu 5.3.4)*

There are 7 predefined groups as well as one additional group
labeled Others where you can create your own lists.

1. You can set the phone to ring in a specific way and display a
preselected graphic icon when a particular person calls you.

2. Scroll to **Caller Groups** then press the left soft key [**OK**] to enter
this menu.

3. Every Group list will be displayed : **Family**, **VIP**, **Friends**,
Colleague, **Group 1**, **Group 2**, **Others**.

4. Select the Group name that you want to manage by pressing
the left soft key [**Options**].

5. You will see the following submenus under the predefined groups
except for the **Others** group.

• **Member list:** Allows you to see the member list in the group.

• **Group ring tone:** Allows you to select the ring tone to be used
when you receive a voice phone call from a person in the group.

• **Group icon:** Allows you to select the graphic icon to be
displayed when you receive a call from a person in the group.

• **Add member:** Allows you to add the member to the group.

• **Delete member:** Allows you to delete the member in the
group.

• **Rename:** Allows you to assign a name to the group.

Copy All   *(Menu 5.3.5)*

You can copy or move entries from the SIM card memory to the
phone memory and vice versa.

SIM to Phone: You can copy the entry from the SIM card to
phone memory.

Phone to SIM: You can copy the entry from the phone
memory to the SIM card.

The following options are available:

• **Keep original:** When copying, Original Dial Number is kept.

• **Delete original:** When copying, Original Dial Number will
be erased.

Delete All   *(Menu 5.3.6)*

You can delete all entries in the **SIM**, and **Phone** . This function
requires the security code except for Voice.

Press the ⊙ key to return to the standby mode.

Settings

(Menu 5.3.7)

1. Set memory: Scroll to highlight the **Set memory** option, then press the left soft key [**OK**].

 • If you select **Variable** when adding entry, the phone will ask where to store.

 • If you select **SIM** or **Phone**, the phone will store an entry to the SIM or the phone.

2. Search by: Scroll to highlight the **Search by** option, then press the left soft key [**OK**].

 • If you select **Variable**, the phone will ask how to search.
 • If you select **Name** or **Number**, the phone will search an entry by Name or the Number.

3. Set View Detail:

 • If you select **On**, you can view the information of each member in details. (Menu 5.3.4)

 • If you select **Off**, you can view only name of each member. (Menu 5.3.4)

Information

(Menu 5.3.8)

✱ **Service dial number:** You can view the list of Service Dialing Numbers (SDN) assigned by your network provider(If supported by the SIM card). Such numbers include the emergency, directory assistance and voice mail numbers.

1. Select the Service dial number option.
2. The names of the available services will be shown.
3. Use the up/down navigation keys to select a service. Press the ⟲ key

 Check memory: You can check how many names and numbers are stored in the phonebook (SIM card and phone memories).

 Own number: Allows you to display your phone number in the SIM card.

✱: Shown only if supported by SIM card

Fun & Tools

Game

Menu 6.1

When you select this game, the following options are available.

 Note The control keys are different depending on the game. Each game includes an introduction on the main control keys. The common keys are listed below.

[Common Key Function]

left/right soft keys : Game menu
ⓚ : Game start

New game: Allows you to start a game.

High score: Enables you to view the highest score recorded for the selected game.

Instruction: Help text on how to play the game.

Key info: Describes the buttons used by the game.

Continue: Allows you to continue playing the game.

My Folder
Menu 6.2

Enables you to download pictures or sounds which can be used as wallpaper or ringtone. You can view, listen, delete or rename downloaded data.

In the My folder menu, the following options are available:

Pictures
(Menu 6.2.1)

1. Edit title
2. Delete
3. Delete all

Animation
(Menu 6.2.2)

1. Edit title
2. Delete
3. Delete all

Sound
(Menu 6.2.3)

1. Edit title
2. Delete
3. Delete all

Edit title: You can edit the title for each downloaded content.

Delete: You can delete each downloaded content.

Delete all: You can delete all downloaded content.

Unit Converter
Menu 6.3

This converts any measurement into a unit you want.
There are 4 types that can be converted into units: **Length**, **Surface**, **Weight**, and **Volume**.

1. You can select one of four unit types by pressing the left soft key [**Unit**].

2. Select the standard value by using the left/right navigation keys.

3. Select the unit you want to convert by pressing the up/down navigation keys.

4. You can check the converted value for the unit you want. Also, you can input a decimal number by pressing the ⌨# key.

Calculator
Menu 6.4

Using this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions: addition, subtraction, multiplication and division(Can enter numbers up to the second decimal place).

Using the Calculator

1. Enter the first number using the numeric keys.

2. Use the navigation keys to select a sign for calculation.

> ⚠ **Note** To include a decimal point, press the ⌨# key.

3. To calculate the result, press the left soft key [**Result**]or 🔘 key.

World Time   Menu 6.5

Allows you to check the current Greenwich Mean Time(GMT) and 51 major cities around the world, using the left/right navigation keys.

The screen shows the city name, current date and time.

To select the time zone in which you are located, proceed as follows:

1. Select the city corresponding to your time zone by pressing the left/right navigation keys one or more times. The local date and time are displayed.

2. Press the left soft key [**Options**].

3. If you want to set, press ⊂ key.

4. If you want to set Summer time, press the 2ᵃᵇᶜ ⊂ key in Options menu.

Internet

You can access various WAP(Wireless Application Protocol) services such as banking, news, weather reports, and flight information. These services are specially designed for mobile phones and they are maintained by the WAP service providers.

Check the availability of WAP services, pricing and tariffs with your network operator and/or the service provider whose service you wish to use. Service providers will also give you instructions on how to use their services.

Please contact your service provider to open an Internet account. To use the Web Browser, you must indicate your phone number via the **Own number** menu option (See page 78 for further details.)

To launch the browser in standby mode, press and hold down the ⒢ key.

Once connected, the homepage is displayed. The content depends on the service provider.

You can open any WWW page by entering its URL address. To exit the browser at any time, press the ⌕ key. The idle screen is displayed.

Navigating with the WAP Browser

You can surf the Internet using either the phone keys or the WAP Browser menu.

Using the Phone Keys

When surfing the Internet, the phone keys function differently from the phone mode.

Key	Description
up/down navigation key	Scroll each line of the content area
left navigation key	Return to the previous page
⒢	Return to the startup homepage

Using the WAP Browser Menu

There are various menu options available when surfing the Wireless Web.

⚠ **Note** The WAP Browser menus may vary, depending on your version of the browser.

Home: Connect the homepage which was set in active profile.

Reload: Connect the server again and then bring back the page.

Bookmarks: Set the current homepage as a new bookmark or move the established bookmark.

Set as bookmarks: Save the current URL as a bookmark. You can also edit the bookmark title.

Message: Write and save the short message.

Push message: Save the push message.

Go to URL: Connect to the specific URL after editing.

Go to e-Mail server: Connect the current URL as an E-mail server.

Set as e-Mail server: Save the current URL as an E-mail server.

Clear cache: Remove the contents of cache memory .

Home   *Menu 7.1*

Connect to a homepage. The homepage may be the site which is defined in the activated profile. It will be defined by the Service Provider if you have not defined it in the activated profile.

Push Messages   *Menu 7.2*

Inbox   *(Menu 7.2.1)*

You can order Push messages from WAP service providers. Push messages are notifications of, for example, news headlines and they may contain a text message or address of a WAP service. For availability and subscription, contact your WAP service provider.
Service providers can update an existing push message every time a new push message is received. Messages can be updated even if you have moved them to another folder. Push messages expire and they are deleted automatically.

• **Information:** Shows the information of received push messages.

• **Load:** Allows you to connect to a specific site using the information in the received push message.

• **Delete:** Delete the selected push message.

Receive   *(Menu 7.2.2)*

You can set the option whether you will receive the message or not.

Profiles *Menu 7.3*

Profile is the network information to connect the Internet. Cingular supports Telcel and GPRS telcel. This information of each profile depends on the network. If you connect through GPRS, you activate Cingular menu. In addition, in case of connecting network through CSD (Circuit Switched Data) by Telcel, you can activate home. If not, roam will be activated.

Express	**Home**	**Roam**
1. Activate	**1**. Activate	**1**. Activate
2. Settings	**2**. Settings	**2**. Settings
3. Rename	**3**. Rename	**3**. Rename

Each profile has submenus as follows:

Activate: Connect the network by value which is in profile.

Settings: Edit the setting of value.

Rename: Revise the name of profile.

E-mail server

• **Connect:** Connect to the E-mail server that you configured.

• **Edit address:** Edit the E-mail address.

Cache Settings *Menu 7.4*

The information or services you have accessed are stored in the cache memory of the phone.

Clear Cache *(Menu 7.4.1)*

The contents of cache memory will be removed.

Cache Check *(Menu 7.4.2)*

You can change the cache mode.

Always: The cache is always checked whenever URL loading or navigating.

Start only: The cache is only checked when the WAP is started.

Off: The cache is never checked.

❶ **Note** A cache is a buffer memory, which is used to store data temporarily.

WAP Information *Menu 7.5*

The WAP Browser version is displayed.

Reset Profiles *Menu 7.6*

You can reset profiles to return to original settings.

Q&A

Please check to see if any problems you have encountered with the phone are described in this section before taking the phone in for a service or calling a service engineer.

Q How do I view the list of outgoing calls, incoming calls and missed calls?

A Press the ⟲ key.

Q How do I clear all call history?

A Press the left soft key[Menu] and then the 2ABC 4GHI 4GHI key.

Q How do I view all numbers stored in memory?

A Press right soft key[Names] and then 1∞ .

Q Why does 📞 not disappear from the screen?

A Check whether or not you are in a service area, and if you continue to see 📞 please turn off the power and wait for approximately 2 minutes to turn it back on. If there is no change, check again after relocating to another area.

Q Why is the connection abrupt or not audible in certain areas?

A When frequency environment is unstable in a certain area, connection may be abrupt and not audible. Relocate to another area and try again.

Q Why is the connection not consistent or abrupt even when established?

A When frequency is unstable or weak or if there are too many users, connection may be cut off even after it was established. Please try again later or attempt after relocating to other areas.

Q Why does the LCD not turn on?

A Remove the battery and turn on the power after placing it back on. If there is no change, fully charge the battery and try again.

Q Why is there an echo when a connection is made with certain telephones in a certain area?

A This is called the "Echo Phenomenon", where it occurs if connection volume is too high or caused by special properties (semi electronic telephone exchange) of the equipment on the other end.

Q Why does the phone heat up?

A The phone may get hot when there is a very long call duration or when games are played or even when surfing the Internet for a long time. This has no effect upon the life of the product or performance.

Q Why is there no ring tone, but only a blinking LCD screen?

A Phone may be set to "Vibrate" or in "Silent" mode. In the Profiles menu, please select "General" or "Loud".

Q Why does the battery life get shorter in standby mode?

A The battery is worn out. As time passes, the battery life gradually becomes shorter. If the battery lasts about half the amount of time as when first purchased, it's time to purchase a new battery.

Q Why does the battery run out so quickly during normal use?

A It is due to the user environment or a large number of calls or weak signal.

Q Why is no number dialed when you recall a phonebook entry?

A Check that the number has been stored correctly, by using the Phone book Search feature. Re-store them, if necessary.

Q Why can't my correspondent reach me?

A Is you phone switched on (🔘 pressed for more than three seconds)? Are you accessing the right cellular network? Or, you may have set an incoming call barring option.

Q I cannot find the lock, PIN, or PUK code. What is my password?

A The default lock code is "0000". If you forget or lose the lock code, contact your phone dealer. If you forget or lose a PIN or PUK code, or if you have not received such a code, contact your network service provider

Accessories

There are a variety of accessories available for your mobile phone. You can select these options according to your personal communication requirements. Consult your local dealer for availability.

Travel Adapter

This adapter, allows you to charge the battery.
It supports standard U.S. 120 Volt 60Hz outlets.
It takes 5 hours to charge a completely discharged battery.

Battery

Standard battery is available.

Vehicle Power Adapter

You can operate the phone and trickle charge the phone battery from your vehicle by using the vehicle power adapter.
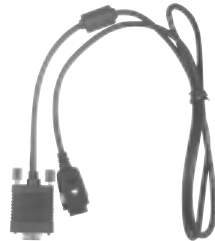It takes 5 hours to charge a completely discharged battery.

Headset

Connects to your phone, allowing hands-free operation. Includes earpiece, microphone, and integrated call answer/termination button.

Data Cable Kit

Connects your phone to a PC.

Safety Guidelines

TIA Safety Information

Provided herein is the complete TIA Safety Information for Wireless Handheld phones. Inclusion of the text covering Pacemakers, Hearing Aids, and Other Medical Devices is required in the owner's manual for CTIA Certification. Use of the remaining TIA language is encouraged when appropriate.

Exposure to Radio Frequency Signal

Your wireless handheld portable telephone is a low-power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August, 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

ANSI C95.1 (1992) *

NCRP Report 86 (1986)

ICNIRP (1996)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

*American National Standards Institute; National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection

The design of your phone complies with the FCC guidelines (and those standards).

Antenna Care

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

Phone Operation

NORMAL POSITION: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

Tips on Efficient Operation

For your phone to operate most efficiently:

Antenna is fixed and does not extend. This line is not necessary.

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

Driving

Check the laws and regulations on the use of wireless phones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

Give full attention to driving — driving safely is your first responsibility;

Use hands-free operation, if available;

Pull off the road and park before making or answering a call if driving conditions so require.

Electronic Devices

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless 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 six inches from their pacemaker when the phone is turned 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, turn your phone OFF immediately.

Hearing Aids

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

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF 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. 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

Turn your phone OFF in any facility where posted notices so require.

Aircraft

FCC regulations prohibit using your phone while in the air. Turn your phone OFF before boarding an aircraft.

Blasting Areas

To avoid interfering with blasting operations, turn your phone OFF when in a "blasting area" or in areas posted: "Turn off two-way radio". Obey all signs and instructions.

Potentially Explosive Atmosphere

Turn your phone OFF 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.

Areas with a potentially explosive atmosphere are often, but not always, marked clearly. Potential areas may include: fueling areas (such as gasoline stations); below deck on boats; fuel or 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.

For Vehicles Equipped with an Air Bag

An air bag inflates with great force. DO NOT place objects, including either 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.

FDA Consumer Update

The U.S. Food and Drug Administration's Center for Devices and Radiological Health Consumer Update on Mobile Phones.

1.Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radiofrequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the standby mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

2.What is the FDA's role concerning the safety of wireless phones?

Under the law, the FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radiofrequency energy (RF) at a level that is hazardous to the user. In such a case, the FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace, or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the wireless phone industry to take a number of steps, including the following:

Support needed research into possible biological effects of RF of the type emitted by wireless phones;

Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and

Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

The FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

o National Institute for Occupational Safety and Health

o Environmental Protection Agency

o Occupational Safety and Health Administration

o National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

The FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. The FCC relies on the FDA and other health agencies for safety questions about wireless phones.

The FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

3.What kinds of phones are the subject of this update?

The term "wireless phone" refers here to handheld wireless phones with built-in antennas, often called "cell", "mobile", or "PCS" phones. These types of wireless phones can expose the user to measurable radiofrequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by FCC safety guidelines that were developed with the advice of the FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits.

4.What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health. Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any

possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

5. What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop — if they do — may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

6. What is the FDA doing to find out more about the possible health effects of wireless phone RF?

The FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF).

The FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The project has also helped develop a series of public information documents on EMF issues.
The FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. The FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts with independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

7. How can I find out how much radio frequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radio frequency energy (RF) exposures. The FCC established these guidelines in consultation with the FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects. Manufacturers of wireless phones must report the RF exposure level for each

model of phone to the FCC. The FCC website (http://www.fcc.gov/oet/ rfsafety) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

8. What has the FDA done to measure the radio frequency energy coming from wireless phones?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radio frequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, "Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques," sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

9. What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?

If there is a risk from these products — and at this point we do not know that there is — it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

10. What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

11. What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, the FDA helped develop a detailed test method to measure electromagnetic

interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by the FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.
The FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a "compatible" phone and a "compatible" hearing aid at the same time. This standard was approved by the IEEE in 2000.
The FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, the FDA will conduct testing to assess the interference and work to resolve the problem.

12.Where can I find additional information?

For additional information, please refer to the following resources:
FDA web page on wireless phones
(http://www.fda.gov/cdrh/phones/index.html)
Federal Communications Commission (FCC) RF Safety Program
(http://www.fcc.gov/oet/rfsafety)
International Commission on Non-Ionizing Radiation Protection
(http://www.icnirp.de)
World Health Organization (WHO) International EMF Project
(http://www.who.int/emf)
National Radiological Protection Board (UK)
(http://www.nrpb.org.uk/)

Consumer Information on SAR
(Specific Absorption Rate)

This Model Phone Meets the Government's Requirements for Exposure to Radio Waves.

Your wireless 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 (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 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 SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. Because the phone is designed to operate at multiple power levels to use only the power required to reach the network, in general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 0.714 W/kg and when worn on the body, as

described in this user's manual, is 0.482 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements.) While there may be differences between SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID BEJG4010.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) website at http://www.wow-com.com

*In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Glossary

To help you understand the main technical terms and abbreviations used in this booklet and take full advantage of the feature on your mobile phone, here are a few definitions.

Call Barring

Ability to restrict outgoing and incoming calls.

Call Diverting

Ability to reroute calls to another number.

Call waiting

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

GPRS (General Packet Radio Service)

GPRS guaranties continuous connection to the Internet for mobile phone and computer users. It is based on the Global System for Mobile Communication(GSM) circuit-switched cellular phone connections and the Short Message Service(SMS).

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.

Line Identification Services (Caller ID)

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

Multiparty Calls

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

Phone Password

Security code used to unlock the phone when you have selected the option to lock it automatically each time it switches on.

PIN (Personal Identification Number)

Security code that protects the phone/SIM card 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 traveling for example).

SDN (Service Dial Number)

Telephone numbers supplied by your network provider and 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 characters long) can be displayed, received, edited or sent.

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Patent Information

This product was manufactured under one or more of the following U.S. patents: 5276765 5749067 6061647

## Quick Reference Card

Access the Menu Function

1. Press the left soft key [**Menu**]

2. Scroll with the up/down navigation keys through the list of menus until you reach the required menu.

3. Press the left soft key [**OK**]

4. Scroll with the up/down navigation keys through the list of options until the required one is selected.

5. Press the left soft key [**OK**] to confirm.

Power on/off	Press and hold 🔘 .
Making a Call	**1**. Key in the number. **2**. Press the ⌒ key.
End a Call	Briefly press the 🔘 key.
Answer a Call	Open the flip and press the ⌒ key.
Adjust the Volume **(During a call)**	Press the Side keys of the phone.

Store numbers in the Phonebook	**1**. Key in the number **2**. Press the left soft key [**Options**] **3**. Press the left soft key [**OK**] **4**. Enter the name. **5**. Press the left soft key [**Save**]
Choose the **Alert Type**	**1**. In standby mode, press left navigation key **2**. Select an option: **Vibrate only, Silent, General, Loud.** **3**. Press the left/right navigation keys. **4**. Press the 🔘 key.
Search	**1**. Press the right soft key [**Names**] **2**. Press the left soft key [**OK**] **3**. Press the left soft key [**Search**]