

Alguna de los contenidos de este manual puede tener variaciones con el teléfono dependiendo del software o de proveedor de servicio.

## | LG410G | Guía del usuario



| LG410G | User Guide

P/N:



## | LG410G | User Guide

Some of the content in this manual may differ from your phone depending on the software of the phone or your service provider.

# LIMITED WARRANTY STATEMENT

## 1. WHAT THIS WARRANTY COVERS:

LG offers you a limited warranty that the enclosed subscriber unit and its enclosed accessories will be free from defects in material and workmanship, according to the following terms and conditions:

1. The limited warranty for the product extends for TWELVE (12) MONTHS beginning on the date of purchase of the product with valid proof of purchase, or absent valid proof of purchase, FIFTEEN (15) MONTHS from date of manufacture as determined by the unit's manufacture date code.
2. The limited warranty extends only to the original purchaser of the product and is not assignable or transferable to any subsequent purchaser/end user.
3. This warranty is good only to the original purchaser of the product during the warranty period as long as it is in the U.S, including Alaska, Hawaii and U.S. Territories.
4. The external housing and cosmetic parts shall be free of defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.

## 2. WHAT THIS WARRANTY DOES NOT COVER:

1. Defects or damages resulting from use of the product in other than its normal and customary manner.
2. Defects or damages from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of LG, including damage caused by shipping, blown fuses, spills of food or liquid.
3. Breakage or damage to antennas unless caused directly by defects in material or workmanship.
4. That the Customer Service Department at LG was not notified by consumer of the alleged defect or malfunction of the product during the applicable limited warranty period.
5. Products which have had the serial number removed or made illegible.

6. This limited warranty is in lieu of all other warranties, express or implied either in fact or by operations of law, statutory or otherwise, including, but not limited to any implied warranty of marketability or fitness for a particular use.
7. Damage resulting from use of non-LG approved accessories.
8. All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal customer use.
9. Products operated outside published maximum ratings.
10. Products used or obtained in a rental program.
11. Consumables (such as fuses).

### **3. STATE LAW RIGHTS:**

No other express warranty is applicable to this product. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN. LG INFOCOMM INC. SHALL NOT BE LIABLE FOR THE LOSS OF THE USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF, OR INABILITY TO USE, THIS PRODUCT OR FOR ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY APPLICABLE TO THIS PRODUCT.

Some states do not allow the exclusive of limitation of incidental or consequential damages or limitations on how long an implied warranty lasts; so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

### **4. HOW TO GET WARRANTY SERVICE:**

"IN THE EVENT YOU REQUIRE WARRANTY SERVICE DO NOT RETURN YOUR PRODUCT DIRECTLY TO LG.

For warranty service information, please contact TracFone/NET-10 at the following telephone number from anywhere in the continental United States: Tracfone 1-800-867-7183 / NET-10 1-877-TEN-CENT"



**| LG410G User Guide |**  
**- ENGLISH**



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# 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 extreme weather conditions 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 76 before using your phone.

# For Your Safety

## Safety Information

Read these simple guidelines. Breaking the rules may be dangerous or illegal. Further detailed information is given in this user guide.

- ▶ Never use an unapproved battery since this could damage the phone and/or battery and could cause the battery to explode.
- ▶ Never place your phone in a microwave oven as it will cause the battery to explode.
- ▶ Do not dispose of your battery by fire or with hazardous or flammable materials.
- ▶ Make sure that no sharp-edged items come into contact with the battery. There is a risk of this causing a fire.
- ▶ Store the battery in a place out of reach of children.
- ▶ Be careful that children do not swallow any parts such as rubber plugs (earphone, connection parts of the phone, etc.). This could cause asphyxiation or suffocation.
- ▶ Unplug the power cord and charger during lightning storms to avoid electric shock or fire.
- ▶ When riding in a car, do not leave your phone or set up the hands-free kit near to the air bag. If wireless equipment is improperly installed and the air bag is activated, you may be seriously injured.
- ▶ Do not use a hand-held phone while driving.
- ▶ Do not use the phone in areas where its use is prohibited. (For example: aircraft).
- ▶ Do not expose the battery charger or adapter to direct sunlight or use it in places with high humidity, such as a bathroom.

## For Your Safety

- ▶ Never store your phone in temperatures less than- 4°F or greater than 122°F.
- ▶ Do not use harsh chemicals(such as alcohol, benzene, thinners, etc.) or detergents to clean your phone. There is a risk of this causing a fire.
- ▶ Do not drop, strike, or shake your phone severely. Such actions may harm the internal circuit boards of the phone.
- ▶ Do not use your phone in high explosive areas as the phone may generate sparks.
- ▶ Do not damage the power cord by bending, twisting, pulling, or heating. Do not use the plug if it is loose as it may cause a fire or electric shock.
- ▶ Do not place any heavy items on the power cord. Do not allow the power cord to be crimped as it may cause fire or electric shock.
- ▶ Do not handle the phone with wet hands while it is being charged. It may cause an electric shock o seriously damage your phone.
- ▶ Do not disassemble the phone.
- ▶ Do not place or answer calls while charging the phone as it may short-circuit the phone and/or cause electric shock or fire.
- ▶ Only use the batteries, antennas, and chargers provided by LG. The warranty will not be applied to products provided by other suppliers.
- ▶ Only authorized personnel should service the phone and its accessories. Faulty installation or service may result in accidents and consequently invalidate the warranty.
- ▶ Do not hold or let the antenna come in contact with your body during a call.

# For Your Safety

- ▶ An emergency call can be made only within a service area. For an emergency call, make sure that you are within a service area and that the phone is turned on.

## 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 0.6 inches (1.5cm) between the user's body and the back of the phone. To comply with FCC RF exposure requirements, a minimum separation distance of 0.6 inches (1.5cm) must be maintained between the user's body and the back of the phone. Third-party belt-clips, holsters, and similar accessories

# For Your Safety

containing metallic components should not be used. Body-worn accessories that cannot maintain 0.6 inches (1.5cm) 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 (20cm) 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](http://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°C (140°F).]
- ▶ Do not incinerate.

# For Your Safety

## 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



## Your Phone's Features

- 1. **Earpiece:** Lets you hear the caller.
- 2,10. **Left soft key/Right soft key:** Each of these keys performs the functions indicated by the text on the display immediately above them.
- 3. **Send key:** Use to place or answer incoming calls. Press this key in standby mode to quickly access the most recent incoming, outgoing and missed calls.
- 4. **Alphanumeric keys:** Use to enter numbers or characters and select menu items.
- 5. **Vibrate mode key:** Vibrate Mode can be activated by pressing and holding down the  [Star] key.
- 6. **Microphone:** Use Left Soft Key to mute during a call for privacy.
- 7. **Display Screen:** Displays messages and indicator icons. When the phone is turned on,

Power Save mode automatically dims the screen and then darkens when no keys are pressed.

- 8. **Navigation Key:** Use for quick access to Favorite Menu, My Stuff, Contact List and Tools.
- 9. **Confirmation key:** Short press will launch the WAP browser. Allows you to select and confirm menu options.
- 11. **End/Power Key:** Use to power the phone on/off, end calls or return to the main menu display screen.
- 12. **Clear or 'C' Key:** Use to delete single spaces or characters with a quick press, but press and hold to delete entire words. Will also back you out of menus, one level at a time.
- 13. **Voice record key:** Press and hold down the # key Record voice can be activated by pressing and holding down the  key.

# Your Phone

## 14. LED

Status	Color	Function	
Incoming Calls	Green	Blinks in case of incoming call.	
New Message (SMS)	Green	Blinks for 5 secs after you have received a message.	
Alarm/Schedule Alert	Green	Blinks for 5 secs after Alarm or Alert starts.	
Roaming Calls	Green	Blinks during the roaming call.	
Charging	In Charging	Red	The light is on.
	Charging Complete	Green	The light is on.
	Error	Red	Blinks if the phone is not charging properly.



### Speakey key

You can use the speakerphone during a call by pressing the  [speakerphone] key located on the top of the phone. The loudspeaker is automatically deactivated when you end the call.

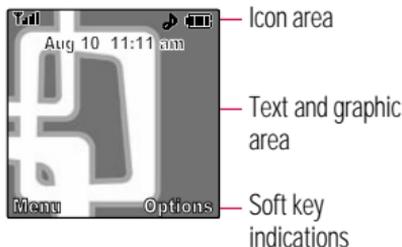
### Volume keys

These keys are used to control the volume of ringtone in standby mode and speaker volume during a call.



### Battery Charging Connector

## Display Information



Area	Description
<b>First line (Icon area)</b>	Displays various icons. See opposite side of page for icon and description.
<b>Middle lines (Text and graphic area)</b>	Display messages, instructions and any information that you enter, such as number to be dialed.
<b>Last line (Soft key indications)</b>	Shows the functions currently assigned to the two soft keys.

## On-Screen Icons

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

Icon	Description
	Indicates the strength of the network signal.
	Indicates the battery charge level.
	Indicates a call is in progress.
	Indicates the alarm has been set and is on.
	Indicates the Schedule function.
	Indicates the receipt of a message.
	Indicates the receipt of a voicemail.
	Indicates Ring has been set for alert.
	Indicates Vibration has been set for alert.
	Indicates the speakerphone has been activated.
	Indicates the TTY has been set and is on.

# Getting Started

## Installing the SIM

When you subscribe to a cellular network, you are provided with a plug-in SIM loaded with your subscription details, such as your PIN, any optional services available and many others.

### Important!

The plug-in SIM and its contacts can be easily damaged by scratching or bending the card, so be careful when handling, inserting or removing it. Keep all SIM out of the reach of small children.

1. If necessary, switch off the phone by holding down the  [End/Power] key until the power-off image displays.
2. Remove the battery. To do so: Turn the phone over and detach the the back cover by sliding it downwards. Move the battery latch down and lift the battery from the battery compartment.



3. Slide the SIM into the SIM socket so that it locks the card into place. Make sure that the notched corner is top left and the gold contacts of the card face into the phone.



# Getting Started

## Note

When you need to remove the SIM, slide it, as shown, and take it out of the socket.



4. To insert the battery, align the golden contacts of the battery with the corresponding connectors on the battery compartment. Press down on the opposite end of the battery until it snaps into place.



5. Attach the back cover by sliding up into position until it clicks.



## Charging the Battery

The use of unauthorized accessories could damage your phone and void your warranty.

To use the travel charger provided with your phone:

1. With the battery in position on the phone, connect the lead from the travel charger to right side of the phone. Check that the arrow on the lead connector is facing towards the front of the phone.
2. Connect the travel charger to a standard AC wall outlet. Only use the travel charger that was provided with the phone.

# Getting Started



## Warning

The travel charger must be unplugged before you remove the battery, otherwise, the phone could be damaged.

3. When a phone has been charged fully, disconnect the travel charger from the phone by pulling the connector out.



## Notice

**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.

## Turning Your Phone On and Off

1. To turn your phone on, hold down the  [End/Power] key for 3 seconds.
2. If the phone asks for a PIN, enter the PIN and the  [Left soft key].

The phone will search for your network. When it has successfully found your network, it will go to the idle screen as illustrated below. From the idle screen, you can make or receive a call.

# Getting Started



## Note

The display language is preset to Automatic at the factory. To change the language, use the Languages menu option (Menu 9.2.4).

3. To turn your phone off, hold down the  [End/Power] key for 3 seconds.

## Access Codes

You can use the access codes described in this section to avoid unauthorized use of your phone. The access codes can be changed by using the **Change Codes** feature (Menu 9.5.4).

## Security code (4 digits)

The security code protects your phone from unauthorized use. 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.

# General Functions

## 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, simply press the  [clear/ C] key to erase one digit at a time.
  - ▶ Press and hold the  [clear/ C] key to erase the entire number and return to the idle screen.
3. Press the  [SEND] key or left soft  key to call the number.
4. When finished, press the  [End/Power] key.

## Making a Call by Send Key

1. Press the  [SEND] key, and the most recent incoming, outgoing and missed phone numbers will be displayed.
2. Use ,  to highlight a number.

3. Press  [SEND] key to call the highlighted number.

## Making International Calls

1. Press and hold the  key and the international access character '+' will appear.
2. Enter the country code, area code, and the phone number.
3. Press the  [SEND] key.

## Ending a Call

When you have finished a call, press the  [End/Power] key.

## Making a Call From the Contact List

You can store names and phone numbers in the SIM, as well as in the phone memory from the Contacts menu. (Menu 8.1)

You can dial a number by simply selecting a name in the contacts and pressing the  [SEND] key.

# General Functions

## Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the up/down navigation key of the phone.

## Answering a Call

When you receive a call, the phone rings or vibrates, and the LED blinks until the call is answered. If the caller can be identified, the caller's phone number (or name if stored in your Contacts) is displayed on the screen.

1. Press the  [SEND] key or the Left Soft Key **Accept** to answer an incoming call. If the answer mode has been set to Any Key (Menu 9.4.4), any key press will answer a call except for the  [End/Power] Key or the Right Soft Key **Silent**.
2. End the call by closing the phone or pressing the  [End/Power] key.

### Notice

You can answer a call while using the Contacts or other menu features.

## Vibrate Mode (Quick)

Vibrate Mode can be activated by pressing and holding down the  [Star] key.

## Signal Strength

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 Address Book, writing a message, or creating scheduling events in the Calendar all require entering text.

# General Functions

The 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. You can set T9 input mode to On or Off by selecting Right Soft Key **Options**, then Text Entry Settings from the text message window screen.

## 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.

## Symbol Mode

This mode allows you to enter special characters. Press  [Star] Key to access Symbols.

## Changing the Text Input Mode

Change the text input mode by pressing . You can check the current text input mode in the upper right corner of the screen.

## 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.

# General Functions

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  to .

- ▶ 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 it completely, press the ,  keys to cycle through the other word options.

**Example:** To type the word "Cook", press 2, 6, 6, 5.

Press ,  until the word "Cook" is displayed.

- ▶ 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  key or the right navigation  key.

To delete letters, press the  [Clear] key. Press and hold down the  [Clear] key to erase the letters continuously.

To switch between English and Spanish while in T9 Mode, hold down the  [Star] Key for 2 seconds until the Text Entry Language menu opens.

## Using the ABC Mode

Use the alphanumeric keypad 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  key once. To delete letters, press the  [Clear] key. Press and hold down the  [Clear] key to erase the letters continuously.

# General Functions

## Notice

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

Key	Characters in Display Order	
	Upper Case	Lower Case
1	.,'*@?!-:/1	.,'*@?!-:/1
2	A B C 2	a b c 2
3	D E F 3	d e f 3
4	G H I 4	g h i 4
5	J K L 5	j k l 5
6	M N O 6	m n o 6
7	P Q R S 7	p q r s 7
8	T U V 8	t u v 8
9	W X Y Z 9	w x y z 9
0	Space Key, 0 (Long press)	Space Key, 0 (Long press)

## Using the 123 (Numbers) Mode

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

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. Enter the number corresponding to symbol you would like to use and press Left Soft Key OK.

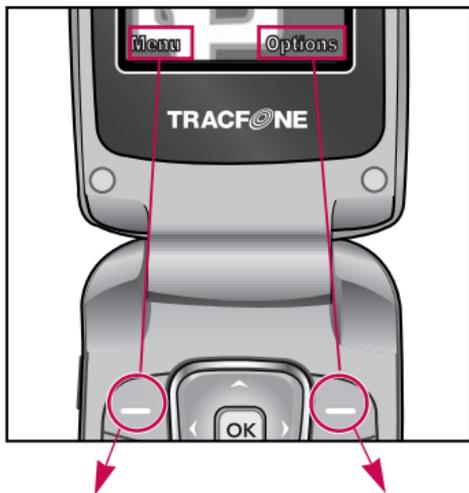
## T9 dictionary

The T9 dictionary is a feature that allows the user to add any unique feature or personal words to the T9 language database. The T9 dictionary function can be selected from the Text Entry Settings sub menu under the Options soft key menu. Within the T9 dictionary function the user can add, modify, delete or reset the personal words.

# 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 the left soft  $\leftarrow$  key and the right soft  $\rightarrow$  key. Each menu and sub-menu allows you to view and alter the settings of a particular function.

The soft key functions vary depending on the mode of the phone. The label on the bottom of the display screen immediately above the soft keys indicates the current function.



Press the left soft key to access the available Menu.

Press the right soft key to access the available Messages.

# 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 right soft key [**Options**].

## During a Call

The menu displayed on the phone's 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 select a number you wish to dial from the Contacts to make a second call. Press the right soft key [Options], Address book then select **Contact List**.

Use ,  to highlight the contact you wish to call, then press .

### Swapping Between Two Calls

To switch between two calls, press the  [SEND] key.

### Answering an Incoming Call

To answer an incoming call when the phone is ringing, simply press the  [SEND] key. The phone 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.

If Call Waiting is on, you can put the first call on hold and answer the second call, by pressing the  [SEND] key.

### Rejecting an Incoming Call

You can reject an incoming call by pressing , or by pressing  **Silent**, then  **Reject**.

During a call, you can reject an incoming call by pressing , or  **Reject**.

# In-Call Menu

## Muting the Microphone

You can mute the microphone during a call by pressing the left soft key **[Mute]**. The phone can be unmuted by pressing the left soft key **[Unmute]**. When the phone is muted, the caller cannot hear you, but you can still hear the caller.

## Using the Speakerphone

You can use the integrated Speakerphone during a call by pressing the right soft key [Options] then select Speaker On. The speakerphone indicator [🔊] will display on the display screen. The loudspeaker is automatically deactivated when you end the call.

### Warning

Because of the higher volume level, don't place the phone too close your ear while the speakerphone is enabled.

## Conference Calls

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

# In-Call Menu

## Making a Second Call

You can make a second call while currently on a call simply by entering the second number and pressing the  [SEND] key. When the second call is connected, the first call is automatically placed on hold. You can swap between calls, by pressing the  [SEND] key.

## Setting Up a Conference Call

To set up a conference call, place one call on hold, conference in the second active call by pressing the right soft key and select the Join Calls sub menu option from the Conference Call menu.

## Activate the Conference Call on Hold

To activate a conference call on hold, press the  [SEND] key.

## Adding Calls to the Conference Call

To add a call to an existing conference call, press the right soft key, and then select the Join Calls sub menu from the Conference Call option.

## Private Call in a Conference Call

To have a private call with one caller from a conference call, press the right soft key and select the Private Call option from the Conference Call option. When the numbers of the callers are displayed, select the one you wish to speak in private.

## Ending a Conference Call

Currently active conference call can be disconnected by pressing the  [End/Power] key.

# 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.

1. Prepaid	2. Contacts
1.1 Add Airtime	2.1 Contact List
1.2 Buy Airtime	2.2 New Contact
1.3 My Phone Number	2.3 Caller Groups
1.4 Airtime Info.	2.4 Speed Dial List
1.5 Airtime Display	2.5 Copy All Contacts
1.6 Serial Number	2.6 Delete All Contacts
1.7 SIM Number	2.7 My Business Card
1.8 Code Entry Mode	2.8 View Options
	2.9 My Numbers

# Menu Tree

<b>3. Messages</b>
3.1 New Message
3.2 Inbox
3.3 Drafts
3.4 Outbox
3.5 Sent
3.6 Voicemail
3.7 Templates
3.8 Message Settings
<b>4. Recent Calls</b>
4.1 Missed Calls
4.2 Dialed Calls
4.3 Received Calls
4.4 All Calls
4.5 Call Duration
4.6 Data Counter

<b>5. Tools</b>
5.1 Alarm Clock
5.2 Calendar
5.3 Notepad
5.4 Calculator
5.5 Tip Calculator
5.6 World Clock
5.7 Tasks
5.8 Stop Watch
5.9 Unit Converter
<b>6. Game</b>

# Menu Tree

## 7. My Stuff

- 7.1 Game
- 7.2 Audio & Ringtones
- 7.3 Graphics
- 7.4 Record Voice
- 7.5 Other Files

## 8. Web Access

- 8.1 Home
- 8.2 Bookmarks
- 8.3 Saved Pages
- 8.4 Enter URL
- 8.5 Recent Pages
- 8.6 Browser Settings

## 9. Settings

- 9.1 Audio & Ringtones
- 9.2 Display
- 9.3 Date & Time
- 9.4 Call
- 9.5 Security
- 9.6 Power Save
- 9.7 Connection
- 9.8 Flight Mode
- 9.9 Check Memory
- 9.0 Handset Information
- 9.\* Reset Settings

# Prepaid

With prepaid service, you buy wireless network services in advance. Your phone works the same way it did before, with some additional features. You can check your prepaid balance, add money to your account, and call customer service.

Prepaid service may not be available from your wireless service provider. Contact your service provider for availability and more information.

In the Prepaid menu, you can activate and deactivate prepaid service, replenish your prepaid credits, and provide other information requested by the prepaid service provider.

## **Add Airtime** Menu 1.1

Add Airtime allows you to start an over-the-air request for additional airtime.

## **Buy Airtime** Menu 1.2

Buy Airtime allows you to start an over-the-air request to purchase additional airtime.

## **My Phone Number** Menu 1.3

My Phone Number displays the SIM's own number.

## **Airtime Info.** Menu 1.4

Airtime Info displays the amount of airtime currently available on your phone, and the due date of your next payment.

## **Airtime Display** Menu 1.5

Airtime Display allows your phone to display your airtime information on the idle screen. This feature can be turned on or off.

## **Serial Number** **Menu 1.6**

Serial Number displays the Phone's Serial Number.

## **SIM Number** **Menu 1.7**

SIM Number displays the SIM Card's Serial Number.

## **Code Entry Mode** **Menu 1.8**

Code Entry Mode will allow the phone to accept Service Provider - Related codes in order to add airtime, modify specific data, and troubleshoot any issues with the phone. While using Code Entry Mode, you cannot receive incoming calls or use event alerts.

# Contacts

## Contact List

Menu 2.1

This menu allows you to save and manage contact address information. The Contact List functions allow you to add a new address or search saved contact addresses by name.

## New Contact

Menu 2.2

This menu allows you to add a new contact address. You can input contact address information including name, phone numbers, email addresses, group information items, and memos.

## Caller Groups

Menu 2.3

1. Select the Group name that you want to manage by pressing the right soft key [Options].
2. You will see the following submenus under the predefined groups except for the **No Group** group.
  - **Group Ringtone:** Allows you to select the ringtone 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 on the group of Group List.
  - **Add Member:** Allows you to add the member to the group.
  - **Remove Member:** Allows you to delete the member in the group.
  - **Remove All Member:** Allows you to delete all members in the group.

# Contacts

- **Rename:** Allows you to assign a name to the group.
- **Reset All:** Allows you to reset the member in the group.

## Speed Dial List Menu 2.4

This menu allows you to configure the speed dial numbers. You can select a number as a speed dial from 2 to 9. You can configure speed dial numbers for any of the 8 numbers for a specific contact address.

## Copy All Contacts Menu 2.5

This menu allows you to copy all of the information from your SIM (e.g. name, phone number, etc.) to your phone, and vice versa. If a name is duplicated during the copying process, the information is also duplicated.

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

- ▶ **Phone to SIM:** You can copy the entry from the phone memory to the SIM card (not all the data will be copied).

## Delete All Contacts Menu 2.6

You can delete all entries in the **SIM** and the **Phone**.

## My Business Card Menu 2.7

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

# Contacts

## **View Options**

**Menu 2.8**

You can select different options by which to display names in your address book: Phone & SIM, Phone Only or SIM Only.

## **My Numbers**

**Menu 2.9**

This displays your phone numbers stored in the SmartChip.

# Messages

## New Message

### Menu 3.1

You can write and edit text messages of up to 913 characters.

1. Type in a message using key presses. For details on how to enter text, refer to page 19 (**Entering Text**).
2. After completing the message select the desired option by pressing the right soft key [**Options**].

The following options are available.

#### ▶ **Insert**

- **Symbol:** You can insert symbols ranging from sentence notes to emoticons. Use the navigation keys to highlight a symbol, then press OK or the left soft key **OK**.
- **Text Template:** You can easily insert frequently used sentences in the text message.

- **Contact:** You can browse one of your contacts and place their information within the body of the text message.

- **My Business Card:** Input your own business card created in (Menu 5.7.2). For further details, see page 40.

- ▶ **Text Entry Mode:** Sets the text input mode. For more details, refer to Entering Text (page 21).

- ▶ **Text Entry Settings:** Text Entry Language allows you to set the text entry language to English, Spanish or French. T9 Next Word Prediction is available when it is set to On. Use T9 Dictionary to add words.

- ▶ **Cancel:** Allows you to exit the text input mode without saving your input message.

3. **Left Soft Key**  **Send To:** Enter the recipient's phone number or select the number from your contact list.

# Messages

## Inbox

### Menu 3.2

You will be alerted when you receive a message. They will be stored in the Inbox.

In the Inbox, you can identify each message by icons.

1. Press **Options**. Choose from the following options:

- ▶ **Reply:** Allows you to reply to the sender of the selected message.
- ▶ **Save Contact Info:** You can save the sender's phone number in the Contact List.
- ▶ **Delete:** You can delete the current message.
- ▶ **Forward:** You can forward the selected message to another party.
- ▶ **Information:** You can view information about received messages.
- ▶ **Multi Delete:** Deletes a number of messages you have selected from the folder.

▶ **Delete All Read Messages:** You can delete all read messages.

▶ **Delete All:** You can delete all messages.

2. **Left Soft Key View:** You can view the received messages.

Press the left soft key **Reply**:

Allows you to reply to the sender of the selected message.

## Drafts

### Menu 3.3

You can view the messages you have saved as drafts. The draft messages are listed with the dates and times of when they were saved.

1. Press **Options**. Choose from the following options:

- ▶ **Edit:** Edits the highlighted message.
- ▶ **Delete:** Deletes the highlighted message.
- ▶ **Information:** Allows you to view the information on the message.

# Messages

- ▶ **Multi Delete:** Allows you to delete multiple messages you select from the folder.
  - ▶ **Delete All:** Deletes all messages in the folder.
2. Press  **View**. While viewing the message, press  **Edit** to edit the message.

When you are finished editing the message, press  **Send** to send the message to a recipient.

## Outbox

### Menu 3.4

Outbox is a temporary storage place for messages waiting to be sent.

When you press the  [SEND] key, you can make a call to the number of the recipient number of the selected message.

If the message is not sent from the Outbox, you will receive a sound alert along with a Message Sending Fail notice on the screen.

Another attempt will be made to send the failed message and after two unsuccessful attempts, the message will no longer be sent automatically. In order to send the message that has failed, you must press the left soft key **Resend** to resend the message.

After the maximum number of **Send** attempts has been reached the Send function has failed.

If you were trying to send a text message, open the message and check that the Sending options are correct.

When the message Send has failed, the following [Options] are available.

- ▶ **Delete:** Deletes the selected message which has failed.
- ▶ **Edit:** Allows you to edit the selected message.
- ▶ **Information:** Allows you to view the information on the message.

# Messages

- ▶ **Multi Delete:** Deletes a number of messages you have selected from the folder.
- ▶ **Delete All:** Deletes all messages in the folder.

## Sent

Menu 3.5

This is where you can view the list and contents of sent messages and also verify if transmission was successful.

The following [Options] are available.

- ▶ **Forward:** Forwards the selected message from the Sent list.
- ▶ **Delete:** Deletes the selected message from the Sent list.
- ▶ **Information:** Allows you to view information on the message.
- ▶ **Multi Delete:** Deletes a number of messages you have selected from the folder.
- ▶ **Delete All:** Deletes all messages in the folder.

## Voicemail

Menu 3.6

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.

This may already be available; to check the voicemail, press and hold the  key.

When new voicemail is received, the symbol  will be displayed on the screen.

### Note

Please check with your network service provider for details of their service in order to configure the phone accordingly.

## Templates

Menu 3.7

There are 6 predefined messages in the list. You can view and edit the template messages or create new messages.

1. Press  **Options**. Choose from the following options:
  - ▶ **New**: Use this to create a new template.
  - ▶ **Send via Text Message**: Allows you to send the selected template message via SMS.
  - ▶ **Delete**: Allows you to delete the selected template message.
  - ▶ **Edit**: Allows you to write a new message or edit the selected template message.
  - ▶ **Delete All**: Deletes all messages in the folder.
2. **Left Soft Key**  **View**: Allows you to view the the selected template message.

## Message Settings

Menu 3.8

### Text Message (Menu 3.8.1)

- ▶ **Message Center Number**: If you want to send a text message, you can receive the address of the SMS center through this menu.
- ▶ **Email Gateway**: You can send the text message to an Email Address via this gateway.
- ▶ **Message Subject**: You can enter the SMS Subject when this menu is on.

### Voicemail (Menu 3.8.2)

This menu allows you to set the voicemail center number if this feature is supported by the network service provider. Please check with your network service provider for details of their service in order to configure the handset accordingly.

# Messages

## **Service Message** (Menu 3.8.3)

- ▶ **Receive:** You can set the Service option to determine whether you will receive the service messages or not.
- ▶ **Auto Download:** You can set the Auto Download option to determine whether you will automatically connect to the service or not.

# Recent Calls

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 of the call. You can also view call times.

## Missed Calls Menu 4.1

- View the number, if available, and call it or save it in the Contacts
- Enter a new name for the number and save both in the Contacts
- Send a message to this number
- Delete the call from the list

## Dialed Calls Menu 4.2

- View the number, if available, and call it or save it in the Contacts
- Enter new name for the number and save both in the Contacts

- Send a message to this number
- Delete the call from the list

## Received Calls Menu 4.3

- View the number, if available, and call it or save it in the Contacts
- Enter a new name for the number and save both in the Contacts
- Send a message to this number
- Delete the call from the list

## All Calls Menu 4.4

Allows you to view all of missed, received, and dialed call records.

## Call Duration Menu 4.5

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

# Recent Calls

## **Last Call** (Menu 4.5.1)

Duration of the last call.

## **Dialed Calls** (Menu 4.5.2)

Duration of the outgoing calls.

## **Received Calls** (Menu 4.5.3)

Duration of the incoming calls.

## **All Calls** (Menu 4.5.4)

Total duration of all incoming and outgoing calls since the timer was last reset.

## **Data Counter** Menu 4.6

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

## **Web Data** (Menu 4.6.1)

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

## **Data Call** (Menu 4.6.2)

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

## **Total Data** (Menu 4.6.3)

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

# Tools

## Alarm Clock

Menu 5.1

The alarm function allows you to set up multiple separate alarms. You can also set the time, repetition interval and alarm sound.

Select your desired alarm setting to configure from the alarm list. If there is no alarm setting, press the left soft key [New] to add a new alarm.

- ▶ **Time:** Select the desired set time mode using the navigation key. Input your desired alarm time by specifying the hour and minute. If the time is in 12 hour clock format, you have to select either am' or pm' using the center soft key.
- ▶ **Repeat:** Select the desired repeat mode using the navigation key.
- ▶ **Alarm Tone:** Select the alarm sound to use for the alarm using the  key.
- ▶ **Memo:** Input alarm name. Press the left soft key to save.

## Calendar

Menu 5.2

When you enter this menu a calendar will be displayed. The square cursor is used to locate a particular day. An orange colored date indicates schedule entries for that day. This function helps remind you of entries you have input in the calendar. The phone will sound an alarm tone if it has been set for a specific schedule item.

For changing the day, month, and year.

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

- ▶ **Left Soft Key  View:** Allows you to view the selected schedule.

# Tools

- ▶ **New Schedule:** You can create a new schedule.
- ▶ **Search:** Allows you to search the saved schedule(s).
- ▶ **Set Holiday:** Allows you to set your personal holiday for the selected date.
- ▶ **Scheduler Tone:** The phone can sound an alarm tone when the scheduled date for an event has been reached.
- ▶ **View All:** Allows you to view all saved schedules.
- ▶ **Go to Date:** Allows you to jump to a specific date.
- ▶ **Delete Schedules:** Deletes the defined schedules such as Old Schedules or All Schedules.

## Notepad

Menu 5.3

You can create up to a maximum of 30 memos.

1. Select a memo pad to edit.
2. Press the left soft key [New] to create a new memo.
3. Input the memo and press the left soft key [Save] to save.

## Calculator

Menu 5.4

Using this feature, you can use the phone as a calculator.

### 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 input a decimal point, press the  key.

3. To calculate the result, press **OK** [Confirmation] key.
4. To erase your calculation, press **Clear**.

## Tip Calculator Menu 5.5

Allows you to quickly and easily estimate the tip and total amount of a bill by inputting the bill amount before tip, the tip percentage, and dividing it by the number of people paying.

## World Clock Menu 5.6

The World clock function provides time information on major cities worldwide.

1. You can select a desired city as a base using the left soft key [Map].
2. You can view the time of desired city using the right soft key [Options] - [Change City].

## Tasks Menu 5.7

This feature allows you to save and manage a task.

1. To add a new To do item, select the left soft key [New] in the Task enquiry screen.
2. Input due date, notes, priority and status for the new Task.
3. Press the left soft key [Save] to save the Task item.

The following [Options] are available in the Task list.

- ▶ **New task:** You can create a new task.
- ▶ **Status:** Allows you to change the status of the selected task as In Progress or Completed.
- ▶ **Delete:** Deletes the selected task.
- ▶ **Send Via Message:** Enables the selected task to be sent via Message.
- ▶ **Edit:** Allows you to edit a saved task.

# Tools

- ▶ **View Calendar:** The calendar pop-up window is displayed.
- ▶ **Multi Delete:** You can delete several files at once.
- ▶ **Delete Tasks:** Deletes All Completed, All Past Tasks or All Tasks.

## Stop Watch

Menu 5.8

1. Press [**Start**] to start the timer, and record lap times by pressing [**Lap**].
2. Press [**Stop**] to ascertain the record of lap time.
3. Press [**Reset**] to set the timer back to 0.

## Unit Converter

Menu 5.9

This feature allows you to convert units of measurement.

There are 7 types of units of measurement that can be converted:

**Currency, Area, Length, Weight, Temperature, Volume and Velocity.**

1. Select the standard value by using the left/right navigation keys.
2. Select the unit you want to convert by pressing the up/down navigation keys.
3. You can check the converted value for the unit you want. Also, you can input a decimal number by pressing the  key.

# Game

You can play the games that are pre-installed on the phone.

# My Stuff

## Game

Menu 7.1

You can play the games that are pre-installed on the phone.

## Audio & Ringtones

Menu 7.2

- ▶ **Record Voice:** You can record your own audio by pressing the **OK** [Confirmation] key.
- ▶ **Files:** You can view the audio files in the list.

## Graphics

Menu 7.3

- ▶ **Files:** You can view the graphic files in the list.

## Record Voice

Menu 7.4

You can record an audio clip in this menu. The recorded audio file is saved automatically in the Audio & Ringtones menu (Menu 7.2).

## Other Files

Menu 7.5

When you receive files of an undefined format (such as .vcs, .vcf, etc.), the files are saved in this folder.

The following [Options] are available.

- ▶ **Delete:** You can delete the selected file.
- ▶ **Rename:** You can edit the name of the selected file.
- ▶ **Multi Delete:** You can delete several files at once.
- ▶ **New Folder:** You can create a new folder.
- ▶ **Sort By:** You can sort the folders by name, date and type.
- ▶ **Delete All:** You can delete all files.
- ▶ **Information:** You can view information about the selected folder.

# Web Access

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

## Note

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 launch the browser in standby mode, press the **OK** key.

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

To exit the browser at any time, press the **END** key. The idle screen is displayed.

## Menus for the Browser

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

## Using the Navigation Keys

When surfing the Internet, the keys function differently than when in the phone mode.

Key	Description
up/down navigation key	Scroll each line of the content area

## Using the WAP Browser Menu

There are various menus available when surfing the Internet.

### Home

### Menu 8.1

The homepage is defined in the activated account and cannot be changed.

# Web Access

## Bookmarks

Menu 8.2

This function allows you to store and edit frequently accessed sites. The following [Options] are available.

### Note

Your phone may have some pre-installed bookmarks for sites not affiliated with LG. LG does not warrant or endorse these sites. If you choose to access them, you should take the same precautions for security or content as you would with any site.

## To Set Up Bookmarks

- **View:** Display the bookmark title and URL. Press the left soft key for this function.
- **New Bookmark:** Add a new bookmark manually.
- **New Folder:** Add a new folder manually.

- **Send URL Via:** Allows the bookmark information to be sent via SMS to another person.
- **Delete All:** Allows you to erase all bookmarks.

## Saved Pages

Menu 8.3

This saves the page on display as an off-line file. A maximum of 20 pages can be saved.

## Enter URL

Menu 8.4

Input the URL manually to connect to the Internet site.

## Recent Pages

Menu 8.5

You can manage the list of the Internet pages you visited.

## Browser Settings Menu 8.6

### Rendering Mode (Menu 8.6.1)

You can adjust the size of URL page when the page is larger than phone screen.

### Cache Settings (Menu 8.6.2)

The web pages you have accessed are stored in the memory of the phone.

- ▶ **Clear Cache:** Remove all cached data in the memory.
- ▶ **Allow Cache:** Set a value to determine whether a connection attempt is made through the cache or not.

#### Note

A cache is a buffer memory, which is used to store data temporarily, especially when it is online.

### Cookie Settings (Menu 8.6.3)

The information or services you have accessed are stored in the cookie.

- ▶ **Delete Cookies:** Remove all cookies.
- ▶ **Allow Cookies:** This allows you to use cookie when browsing.

### Security (Menu 8.6.4)

A list of the available certificates is shown.

- ▶ **Certificates:** You can see the list of certificates and view them in detail.
- ▶ **Clear Session:** Removes the secure session.

### Show Image (Menu 8.6.5)

This allows you to view pictures when browsing.

### JavaScript (Menu 8.6.6)

Select whether to turn Java script On or Off.

# Settings

## Audio & Ringtones Menu 9.1

Pressing and holding  while on the idle screen will switch between General mode and Vibrate mode.

### Ringtones (Menu 9.1.1)

Shows and plays ringtones.

### Volume (Menu 9.1.2)

This menu controls Ringtone, Call, Multimedia and Key Tone.

### Message Alert Tones (Menu 9.1.3)

Allows you to select an alert tone which is played when a message is received.

### Alert Type (Menu 9.1.4)

► **Ringtones:** Supports 3 ring alert types. Ring, Ring and Vibration, and Ring after Vibration.

► **Message Alert Tones:** Supports six types of message alerts.

- Ring Once, Ring Every 2 Min., Ring Every 15 Min., Ring and Vibration, Vibrate, Silent

► **Other Alert Tones:** You can select Ring or Silent.

### Increasing Ringtone (Menu 9.1.5)

Allows you to set an Increasing Ringtone which will play when receiving an incoming call. You can set this feature to On or Off.

### Power On/Off Tones (Menu 9.1.6)

Allows you to set a Power On/Off tone. You can set this feature to On or Off.

## Display

### Menu 9.2

#### Wallpaper (Menu 9.2.1)

This option allows you to change the background image (wallpaper) to be displayed in idle mode.

1. Scroll through the list by pressing the navigation keys.

You have various preset images available. You can also select any images downloaded from the Internet.

2. Press the left soft key [**View**] when the desired image is highlighted.
3. Press the left soft key [**Set**], then the selected image will be displayed in idle mode.

#### Backlight Timer (Menu 9.2.2)

This option allows you to set the duration of the Display and Keypad backlighting.

#### Brightness (Menu 9.2.3)

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

#### Languages (Menu 9.2.4)

This option allows you to change the display text language on your phone. You can also change the Input Language.

#### Dialing Fonts (Menu 9.2.5)

You can configure the font size and color of the numbers which appear in the home screen when you make a call.

# Settings

## Date & Time

Menu 9.3

### Set Date (Menu 9.3.1)

This allows you to enter the day, month and year. You can change the date format via the **Date Format** menu option.

### Date Format (Menu 9.3.2)

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

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

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

### Set Time (Menu 9.3.3)

This allows you to enter the current time. You can choose the time format via the Time Format menu option.

### Time Format (Menu 9.3.4)

24 Hours/12 Hours

## Auto Update (Menu 9.3.5)

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

## Call

Menu 9.4

### Call Forwarding (Menu 9.4.1)

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.

# Settings

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 Answer:** Diverts voice calls which you do not answer.
- ▶ **If Out Of Reach:** Divert voice calls when the phone is turned off or out of the coverage area.
- ▶ **All Data Calls:** Diverts to a number with a PC connection unconditionally.
- ▶ **All Fax Calls:** Diverts to a number with a fax connection unconditionally.

## **Send My Number** (Menu 9.4.2)

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. You can select **Set by Network** if you prefer to have different settings for different service provider.

## **Auto Redial** (Menu 9.4.3)

When set to On, your phone redials the number you are trying to call up to 10 times after you hear a quick busy signal. Press  [End/Power] key to stop the call attempts.

This feature attempts to redial numbers that are busy due to the wireless network. It does not redial numbers to a busy party.

# Settings

## **Answer Mode** (Menu 9.4.4)

This allows you to determine how you would like to answer your phone.

- ▶ **Any Key:** You can answer an incoming call by pressing any key, except the  [End/Power] key or the right soft key **Silent/Reject**.
- ▶ **Send Key Only:** You can only answer an incoming call by pressing the  [SEND] key.
- ▶ **Flip Open:** When the phone rings, you can answer a call simply by opening the flip.

## **Minute Minder** (Menu 9.4.5)

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.

## **Call Waiting** (Menu 9.4.6)

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, **Deactivate** to request the network to deactivate call waiting, or **View Status**, to check if the function is active or not.

## **TTY** (Menu 9.4.7)

Allows you to attach a TTY device enabling you to communicate with parties also using a TTY device. A phone with TTY support is able to translate typed characters to voice. Voice can also be translated into characters and then displayed on the TTY.

# Settings

## **Send DTMF Tones** (Menu 9.4.8)

You can send the DTMF (dual tone multi-frequency) tones of the number on the display during a call.

This option is helpful for entering a password or account number when you call an automated system, like a banking service.

## **Hearing Aid** (Menu 9.4.9)

If you select On, users having hearing aid with T-Coil will have better quality of sound. This TCoil mode will remain On for all calls.

## **Security**

**Menu 9.5**

Various codes and passwords are used to protect the features of your phone. They are described in the following sections (see page 19)

### **Lock Handset** (Menu 9.5.1)

You can use a security code to avoid unauthorized use of the phone.

If you set your phone in the Lock When Power is On mode, the phone will request a security code whenever you switch the phone on. If you set the phone lock to When SmartChip Changed, your phone will request a security code only when you change your SmartChip. If you set the phone lock to Immediately, your phone will lock immediately.

# Settings

## **PIN Code Request** (Menu 9.5.2)

When the PIN code request feature is set to 'Enable', 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:

- ▶ **On:** You must enter the PIN each time the phone is switched on.
- ▶ **Off:** The phone connects directly to the network when you switch it on.

## **Fixed Dial Number** (Menu 9.5.3)

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:

### ▶ **FDN On/Off**

- **On:** You can only call phone numbers stored in the phonebook. You must enter your PIN2.
- **Off:** You can call any number.

- ▶ **FDN 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 9.5.4)

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 for: **Security Code, PIN1, PIN2.**

### Note

**PIN:** Personal Identification Number.

## Power Save (Menu 9.6)

You can save the power when you don't use the phone.

## Connection (Menu 9.7)

### Network Profiles (Menu 9.7.1)

This feature sets the Profile during the WAP and MMS connections. The Profile menu under the Access Point Editor options, but the reason why Activate option is not available is because there is no way of knowing whether WAP or MMS will be used to activate the content.

### GPRS Attach (Menu 9.7.2)

If you select **Power On** and you are in a network that supports packet data, the phone registers to the GPRS network and sending short messages will be done via GPRS. Also, starting an active packet data connection, for example, to send and receive e-mail, is quicker. If you select **When Needed**, the phone will use a packet data connection only if you start an application or action that needs it.

# Settings

The GPRS connection is closed after it is not used by any application.

## Note

If there is no GPRS coverage and you have chosen **Power on**, the phone will periodically try to establish a packet data connection.

## Flight Mode

Menu 9.8

This allows you to use only the phone's features that do not require the use of the wireless network when you are in an airplane or in places where the wireless network is prevented.

If you set the flight mode on, the  icon will be displayed on the screen instead of the network signal icon.

► **On:** You cannot make (or receive) any calls, including emergency calls, or use other features that require network coverage.

► **Off:** You can deactivate the flight mode and restart your handset to access the network.

## Check Memory

Menu 9.9

### Common (Menu 9.9.1)

This function shows the status of the user memory of the handset.

### Reserved (Menu 9.9.2)

This function shows the status of the reserved memory for the user (Text Message, Contacts, Calendar, Note).

### SmartChip (Menu 9.9.3)

This function shows the status of the SmartChip card user memory.

## Handset Information **Menu 9.0**

This menu is used to view My Numbers, Manufacturer and Model Name information etc.

## Reset Settings **Menu 9.\***

You can easily reset your phone to its default configuration. To do so:

1. Select the Reset Settings menu option.
2. Enter the 8-digit phone password.

### Note

The password is preset to **00000000**.

# 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 service or calling a service engineer.

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

**A** Press the  [SEND] key.

**Q** How do I view all numbers stored in memory?

**A** Press the down navigation key.

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

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

**Q** Why is the connection not consistent and abruptly disconnects, 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", which occurs if connection volume is too high, or 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 for a long time. This has no effect upon the life of the product or performance.

**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's environment, a large number of calls, or a weak signal.

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

**A** Check that the number has been stored correctly by using the Contact List feature. Re-store them, if necessary.

**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.

# 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 lowpower 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).

# Safety Guidelines

## 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:

- ▶ 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.

# Safety Guidelines

## 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.

## Health Care Facilities

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 use equipment that could be sensitive to external RF energy.

# Safety Guidelines

## 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 areas 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.

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## 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.

## Safety Information

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

- ▶ Do not disassemble or open crush, bend or deform, puncture or shred.
- ▶ Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard.

- ▶ Only use the battery for the system for which it is specified.
- ▶ Only use the battery with a charging system that has been qualified with the system per IEEE-Std- 1725-2006. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- ▶ Do not short circuit a battery or allow metallic conductive objects to contact battery terminals.
- ▶ Replace the battery only with another battery that has been qualified with the system per this standard, IEEEStd-1725-2006. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazard.
- ▶ Promptly dispose of used batteries in accordance with local regulations.
- ▶ Battery usage by children should be supervised.

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- ▶ Avoid dropping the phone or battery. If the phone or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- ▶ Improper battery use may result in a fire, explosion or other hazard.
- ▶ The phone shall only be connected to USB products that bear.
- ▶ The USB-IF logo or have completed the USB-IF compliance program.
- ▶ Use only LG-approved chargers specific to your phone model since they are designed to maximize battery life.
- ▶ 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.
- ▶ Keep the battery's metal contacts clean.
- ▶ Replace the battery when it no longer provides acceptable performance. The battery can be recharged several hundred times before replacement.

## Charger and Adapter Safety

- ▶ The charger and adapter are intended for indoor use only.

## Battery Information and Care

- ▶ Please dispose of your battery properly or take it to your local wireless carrier for recycling.
- ▶ The battery does not need to be fully discharged before recharging.
- ▶ Recharge the battery after long periods of non-use to maximize battery life.
- ▶ Battery life will vary due to usage patterns and environmental conditions.

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- ▶ Use of extended backlighting, MEdia Net Browsing, and data connectivity kits affect battery life and talk/standby times.
- ▶ The self-protection function of the battery cuts the power of the phone when its operation is in an abnormal state. In this case, remove the battery from the phone, reinstall it, and turn the phone on.
- ▶ If you put your phone in a pocket or bag without covering the receptacle of the phone (power plug pin), metallic articles (such as a coin, paperclip or pen) may short-circuit the phone. Always cover the receptacle when not in use.
- ▶ Do not short-circuit the battery. Metallic articles such as a coin, paperclip or pen in your pocket or bag may short-circuit the + and – terminals of the battery (metal strips on the battery) upon moving. Short-circuit of the terminal may damage the battery and cause an explosion.

## Explosion, Shock, and Fire Hazards

- ▶ 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.
- ▶ When using the power plug, ensure that it is firmly connected. If it is not, it may cause excessive heat or fire.

## General Notice

- ▶ 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 subway ticket near your phone.

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The magnetism of the phone may damage the data stored in the magnetic strip.

- ▶ Talking on your phone for a long period of time may reduce call quality due to heat generated during use.
- ▶ When the phone is not used for a long period time, store it in a safe place with the power cord unplugged.
- ▶ Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference to the phone.
- ▶ Do not use the phone if the antenna is damaged. If a damaged antenna contacts skin, it may cause a slight burn. Please contact an LG Authorized Service Center to replace the damaged antenna.
- ▶ Do not immerse your phone in water. If this happens, turn it off immediately and remove the battery. If the phone does not work, take it to an LG Authorized Service Center.
- ▶ Do not paint your phone.
- ▶ The data saved in your phone might be deleted due to careless use, repair of the phone, or upgrade of the software. Please backup your important phone numbers. (Ring tones, text messages, voice messages, pictures, and videos could also be deleted.) The manufacturer is not liable for damage due to the loss of data.
- ▶ When you use the phone in public places, set the ring tone to vibration so as not to disturb others.
- ▶ Do not turn your phone on or off when putting it in your ear.

# Safety Guidelines

## FDA Consumer Update

The U.S. Food and Drug Administration 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

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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:

- ▶ National Institute for Occupational Safety and Health
- ▶ Environmental Protection Agency
- ▶ Occupational Safety and Health Administration (Administración de la seguridad y salud laborales)
- ▶ Occupational Safety and Health Administration
- ▶ National Telecommunications and Information Administration

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

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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,

# Safety Guidelines

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

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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

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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

# Safety Guidelines

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 tissuesimulating model of the human head.

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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.

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## 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

# Safety Guidelines

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/>)

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## 10 Driver Safety Tips

Your wireless phone gives you the powerful ability to communicate by voice almost anywhere, anytime. An important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When operating a car, driving is your first responsibility.

When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.
2. When available, use a hands-free device. A number of hands-free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.
3. Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can reach it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voicemail answer it for you.
4. Suspend conversations during hazardous driving conditions or situations. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first

## Safety Guidelines

- responsibility is to pay attention to the road.
5. Do not take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a “to-do” list while driving a car, you are not watching where you are going. It is common sense. Don’t get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.
  6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip: dial only a few numbers, check the road and your mirrors, then continue.
  7. Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix; they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.
  8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations - with your phone at your side, help is only three numbers away. Dial 911 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!

# Safety Guidelines

9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a “Good Samaritan” in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 911 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special wireless non-emergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you can still use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle.

you know to be stolen, call roadside assistance or other special non-emergency wireless number.

For more information, please call to 888-901-SAFE, or visit our website [www.wow-com.com](http://www.wow-com.com)

## 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

## Safety Guidelines

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 1.180 W/kg and when worn on the body, as described in this user's manual, is 0.666 W/kg. (Body-worn measurements differ among phones models, depending upon available accessories and FCC requirements.) While there may be differences between SAR levels of various phones and at various

# Safety Guidelines

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 BEJLG410G.

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 Divert**

Ability to reroute calls to another number.

## **Call Waiting**

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

## **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.

## **Roaming**

Use of your phone when you are outside your home area (when traveling for example).

# Glossary

## **SDN (Service Dial Number)**

Telephone numbers supplied by your network provider and giving access to special services, such as voicemail, 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.