

Important Safety Precautions

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

WARNING! *Violation of the instructions may cause serious injury or death.*



1. Never use an unapproved battery since this could damage the phone and/or battery and could cause the battery to explode.



2. Never place your phone in a microwave oven as it will cause the battery to explode.
3. Never store your phone in temperatures less than -4°F or greater than 122°F.
4. Do not dispose of your battery by fire or with hazardous or flammable materials.



5. 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 deployed, you may be seriously injured.



6. Do not use a hand-held phone while driving.
7. Do not use the phone in areas where its use is prohibited. (For example: aircraft)

Important Safety Precautions



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



2. Do not use harsh chemicals (such as alcohol, benzene, thinners, etc.) or detergents to clean your phone. This could cause a fire.



3. Do not drop, strike, or shake your phone severely. It may harm the internal circuit boards of the phone.



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



5. 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.



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



7. Do not handle the phone with wet hands while it is being charged. It may cause an electric shock or seriously damage your phone.

8. Do not disassemble the phone.



1. Do not place or answer calls while charging the phone as it may short-circuit the phone and/or cause electric shock or fire.
2. Do not hold or let the antenna come in contact with your body during a call.



3. Make sure that no sharp-edged items such as animal's teeth or nails, come into contact with the battery. This could cause a fire.



4. Store the battery out of reach of children.
5. 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 resulting in serious injury or death.



6. Unplug the power cord and charger during lightning storms to avoid electric shock or fire.



7. Only use the batteries and chargers provided by LG. The warranty will not be applied to products provided by other suppliers.
8. Only authorized personnel should service the phone and its accessories. Faulty installation or service may result in accidents and consequently invalidate the warranty.



9. Your service provider programs one or more emergency phone numbers, such as 911, that you can call under any circumstances, even when your phone is locked. Your phone's preprogrammed emergency number(s) may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.

Table of Contents

Important Safety Precautions

1

Table of Contents

4

Welcome

8

Technical Details

9

Phone Overview

12

Menu Tree

14

Getting Started with Your Phone

16

Installing the Battery

16

Removing the Battery

16

Charging the Battery

16

Charging with USB

17

Battery Temperature Protection

17

Battery Charge Level

18

Signal Strength

18

Turning the Phone On and Off

18

Making Calls

19

Redialing Calls

19

Receiving Calls

20

Screen Icons

20

Quick Access to Convenient Features

21

Vibrate Mode

21

Sounds Off

21

Mute Function

21

Volume Quick Adjustment

21

Call Waiting

22

Caller ID

22

Voice Commands

22

Entering and Editing Information

23

Contacts in Your Phone's Memory

24

Storing Basics

24

Customizing Individual Entries

24

Speed Dial

25

Storing a Number with Pauses

26

Adding Another Phone Number

27

Changing the Default Number	29	My Pictures	44
Deleting	29	Default	45
Speed Dialing	30	Get New Pictures	45
My Account	32	4. Audio	45
Call History	33	Messaging	46
1. Missed Calls	33	1. Text Message	46
2. Received Calls	33	2. Picture Message	46
3. Dialed Calls	34	3. Inbox	49
4. All Calls	34	4. Sent	50
5. Call Timer	35	5. Drafts	52
Bluetooth	36	6. Messenger	52
1. Paired Devices	37	7. Mobile email	53
2. Power	40	8. Communities	53
3. Auto Pair Handsfree	40	9. Voicemail	53
4. My Visibility	41	0. Web Alerts	54
5. My Bluetooth Name	41	*. Templates	54
6. My Bluetooth Info	41	#. Settings	54
Multimedia	42	Tools	56
1. Take Photo	42	1. Voice Command	56
2. Record Voice	43	1.1 Start Command	56
3. Pictures	43	1.2 Command Mode	57
		1.3 Announce Alert	58
		1.4 Train Word	58

Table of Contents

1.5 Best Match	58	1. Sound	68
2. Alarm Clock	58	1.1 Ringers	68
3. Calendar	59	1.2 Volume	68
4. Ez Tip Calc	60	1.3 Message Alerts	68
5. Notepad	61	1.4 Alert Type	69
6. Calculator	61	1.5 Service Alerts	69
7. World Clock	61	1.6 Power On/Off Tone	69
8. Stopwatch	62	1.7 Flip Tone	70
9. Unit Converter	62	2. Display	70
0. Update Phone	62	2.1 Wallpaper	70
My Stuff	63	2.2 Banner	71
1. Games	63	2.3 Backlight	71
2. Applications	63	2.4 Menu Style	72
3. Memory	63	2.5 Languages	72
Contacts	64	2.6 Set Shortcut	73
1. New Contact	64	2.7 Clocks & Calendar	73
2. Contact List	64	2.8 Font Settings	74
3. Groups	65	2.9 Time Format	74
4. Speed Dials	66	3. Security	74
5. Services	67	4. Call Settings	77
6. My Name Card	67	4.1 Answer Options	77
Settings	68	4.2 Auto Retry	77
		4.3 One Touch Dial	78

4.4 Voice Clarity	78
4.5 Airplane Mode	78
4.6 TTY Mode	79
4.7 Auto Prepend	81
5. System	81
6. Roaming	82
7. Phone Info	82
7.1 My Number	82
7.2 ESN/MEID	82
7.3 Icon Glossary	82
7.4 Version	83
Safety	84
TIA Safety Information	84
Safety Information	89
Warning! Important safety information	93
FDA Consumer Update	95
10 Driver Safety Tips	106
Consumer Information on SAR	109

Accessories	113
--------------------	------------

Limited Warranty Statement	114
-----------------------------------	------------

Welcome

Thank you for choosing the LG230 cellular. Along with the many advanced features of the CDMA system, such as greatly enhanced voice clarity, this compact phone offers:

- Slim and sleek design with internal antenna (Internal antenna described as antenna throughout this user guide).
- Easy-to-read, backlit LCD with status icons.
- Messaging, voice mail, and caller ID capabilities.
- 24-key keypad
- Speakerphone feature

- Menu-driven interface with prompts for easy operation and configuration.
- Any Key answer, Auto Answer, Auto Retry, One-Touch and Speed Dialing (with 99 memory locations).
- Bilingual (English and Français) Capability
- Bluetooth® wireless technology (for certain profiles)

Note

The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by LG Electronics is under license. Other trademarks and trade names are those of their respective owners.

Technical Details

Important Information

This user's guide provides important information on the use and operation of your phone. Please read all the information carefully prior to using the phone for the best performance and to prevent any damage to or misuse of the phone. Any unapproved changes or modifications will void your warranty.

FCC Part 15 Class B Compliance

This device and its accessories comply with part 15 of FCC rules and ICES-003 Class B Compliance. 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 causes undesired operation.

Industry Canada Compliance

This phone complies with Industry Canada RSS 133. This phone complies with the Class B limits for radio noise emissions as set out in the interference causing standard entitled "Digital Apparatus" (ICES-003) of Industry Canada.

FCC RF Exposure Information

WARNING! Read this information before operating the phone.

In August 1996, the Federal Communications Commission (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

Technical Details

U.S. and international standards bodies.

The design of this phone complies with the FCC guidelines and these international standards.

Bodily Contact During Operation

This device was tested for typical use with the back of the phone kept 0.79 inches (2.0 cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.79 inches (2.0 cm) must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. Third-party belt-clips, holsters and similar accessories containing metallic components should not be used. Avoid the use of accessories that cannot maintain 0.79 inches (2.0 cm) distance between the user's body and the back of the phone and have not

been tested for compliance with FCC RF exposure limits.

Vehicle-Mounted External Antenna

(Optional, if available.)

A minimum separation distance of 8 inches (20 cm) must be maintained between the user/bystander and the vehicle-mounted external antenna to satisfy FCC RF exposure requirements. For more information about RF exposure, visit the FCC website at www.fcc.gov.

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 and IC regulations.

Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin a minor burn may result. Contact your local dealer for a replacement antenna.

Part 15.21 statement

Change or Modifications that are not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Part 15.105 statement



This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules and and ICES-003 Class B Compliance. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate

radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. if this equipment does cause harmful interference or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Phone Overview



1. **Earpiece** Lets you hear the caller and automated prompts.
2. **Main LCD** Screen Displays messages and indicator icons.
3. **Left Soft Key** Use to access Web.
4. **Speakerphone Key** Use to change to speakerphone mode.
5. **SEND Key** Use to make and answer calls.
6. **Alphanumeric Keypad** Use to enter numbers and characters and select menu items.
7. **Vibrate Mode Key** Use to set Vibrate mode (from standby mode press and hold for about 3 seconds).
8. **Directional Key** Use the Directional Key  to scroll through the menu items and highlight a specific field or object by moving up, down, left or right.
9. **Right Soft Key** Use to access Contact List.
10. **OK Key** Use  to select the function displayed at the bottom of the LCD between the Left and Right Soft Key functions.
11. **Voice Commands Key** Use for quick access to Voice Commands.
12. **PWR / END Key** Use to turn the power on/off and to end a call. Also returns to standby mode.
13. **CLR Key** Deletes single spaces or characters with a quick press, but press and hold to delete entire words. Also backs out of menus, one level at a time.
14. **Lock Mode Key** Use to lock the phone from standby mode, press and hold for about 2 seconds.



1. **2.5 mm Headset Jack** Allows you to plug in an optional headset for convenient, hands-free conversations.
2. **Side Keys / Volume Keys** Up/Down Use to adjust the Master Volume in standby mode* and the Earpiece Volume during a call.
3. **Accessory Charger Port** Connects the phone to the battery charger, or other compatible accessory.
4. **Camera Key** Use for quick access to Camera function. Press the camera key turns the handset in to camera mode to take pictures.
5. **Camera Lens** Used to take a photo. Keep it clean for optimal photo quality.
6. **Front LCD Screen** Display digital clock and phone status.

* Standby mode is when the phone is waiting for input from you. No menu is displayed and the phone isn't performing any action. It's the starting point for all of the instruction steps.

Menu Tree

My Account

1. My Account
-

Call History

1. Missed Calls
 2. Received Calls
 3. Dialed Calls
 4. All Calls
 5. Call Timer
-

Bluetooth

1. Paired Devices
 2. Power
 3. Auto Pair Handsfree
 4. My Visibility
 5. My Bluetooth Name
 6. My Bluetooth Info
-

Multimedia

1. Take Photo
 2. Record Voice
 3. Pictures
 4. Audio
-

Messaging

1. Text Message
 2. Picture Message
 3. Inbox
 4. Sent
 5. Drafts
 6. Messenger
 7. Mobile email
 8. Communities
 9. Voicemail
 0. Web Alerts
 - *. Templates
 - #.Settings
-

Tools

1. Voice Command
 2. Alarm Clock
 3. Calendar
 4. Ez Tip Calc
 5. Notepad
 6. Calculator
 7. World Clock
 8. Stopwatch
 9. Unit Converter
 0. Update Phone
-

My Stuff

1. Games
 2. Applications
 3. Memory
-

Contacts

1. New Contact
2. Contact List
3. Groups
4. Speed Dials
5. Services
6. My Name Card

Settings

1. Sound
 1. Ringers
 2. Volume
 3. Message Alerts
 4. Alert Type
 5. Service Alerts
 6. Power On/Off Tone
 7. Flip Tone
2. Display
 1. Wallpaper
 2. Banner
 3. Backlight
 4. Menu Style
 5. Languages

6. Set Shortcut
7. Clocks & Calendar
8. Font Settings
9. Time Format
3. Security
 1. Lock Phone
 2. Restrictions
 3. Change Lock Code
 4. Master Reset
4. Call Settings
 1. Answer Options
 2. Auto Retry
 3. One Touch Dial
 4. Voice Clarity
 5. Airplane Mode
 6. TTY Mode
 7. Auto Prepend
5. System
 1. Network
 2. Location

6. Roaming
7. Phone Info
 1. My Number
 2. ESN/MEID
 3. Icon Glossary
 4. Version

Some content in this user guide may differ from your phone depending on the phone software. Features and specifications are subject to change without prior notice.

Getting Started with Your Phone

Installing the Battery

Remove the battery cover by sliding it downward followed by the arrow indicator. Align the battery with the terminals near the top of the phone. Align the battery cover then slide it to the right side until it clicks into place.



Charging the Battery

To use the charger provided with your phone:

Notice

Please use only an approved charging accessory to charge your LG phone. Improper handling of the charging port, as well as the use of an incompatible charger, may cause damage to your phone and void the warranty.

1. Plug the end of the AC adapter into the phone's charger port and the other end into an electrical outlet.

Removing the Battery

Turn the phone off. Slide the battery cover to left side and remove it. Use the opening near the top of the battery to lift the battery out.

**Notice**

Please make sure that the LG logo faces down before inserting a charger or data cable into the charger port of your phone.

2. The charge time varies depending upon the battery level.

Charging with USB

You can use your computer to charge your phone. Connect one end of the USB cable to the charging accessory port on your phone and the other end to a highpower USB port on your PC.

Note


Low power USB port is not supported, such as the USB port on your keyboard or bus-powered USB hub. USB driver should be installed before charging with USB.

Battery Temperature Protection


If the battery gets overheated, the phone will automatically turn off. When you turn the phone back on, a message pops up alerting you that the phone was powered off for your safety.

Getting Started with Your Phone

Battery Charge Level



You can find the battery charge level  at the top right of the LCD screen. When the charge level becomes low, the battery sensor sounds a warning tone, blinks the battery icon, and displays a warning message. As the charge level approaches empty, the phone automatically switches off without saving.

Signal Strength


Call quality depends on the signal strength in your area. You can tell how much signal strength you have by the number of bars next to the signal strength icon:  the more bars, the stronger the signal. If you're having problems with signal quality, move to an open area or, when inside a building, try moving near a window.

Turning the Phone On and Off




Turning the Phone On

1. Install a charged battery or connect the phone to an external power source.
2. With the flip open, press  (located above the  key on the keypad) until the LCD screen lights up.

Turning the Phone Off

With the flip open, press and hold  until the display turns off.


Making Calls

1. Make sure the phone is turned on.
If not, open the flip and press  for about three seconds.
If necessary, enter the lock code.
2. Enter the phone number.
3. Press .
4. Press  to end the call.


Note

Your phone has a Voice Commands feature that also lets you make calls by saying a phone number, name, or location.

Correcting Dialing Mistakes

With the flip open, press  once to erase the last digit entered, or hold it down for at least two seconds to delete all the digits.

Redialing Calls

With the flip open, press  twice to redial the last number dialed.



Getting Started with Your Phone


Receiving Calls

1. When the phone rings or vibrates, you can answer the call by simply opening the flip.

Note

If the Answer Options setting is set to Any Key, you can:

- Open the flip and press the Left Soft Key  [Quiet] to mute the ringing or vibration for that call.
- Open the flip and press the Right Soft Key  [Ignore] to end the call or send it directly to Voicemail.

2. Press  to end the call, or simply close the flip.




Screen Icons

When the phone is on, the top line of the LCD screen displays phone status icons.

To see the icon glossary, with the flip open, go to **MENU -> Settings -> Phone Info -> Icon Glossary** on your phone.

Quick Access to Convenient Features

Vibrate Mode



Sets the phone to vibrate instead of ring ( is displayed). To set Vibrate Mode, with the flip open, press and hold . To return to Normal Mode, press and hold .

Sounds Off


Quickly deactivate your phone's sounds when you're in a place where phone sounds would be disruptive.

From standby mode with the flip open, press and hold the lower side volume key for 3 seconds. To return to normal sounds mode, press and hold the upper side key.

Mute Function

The Mute Function prevents the transmission of your voice to the caller. To quickly activate Mute while in a call, press the Left Soft Key  [Mute], then to unmute press the Left Soft Key  [Unmute].

Volume Quick Adjustment

Quickly adjust ringer and earpiece volumes by pressing the upper side volume key  on the left side of the phone to increase and lower volume side key to decrease.



Note

The earpiece volume can only be adjusted during a call and Key Beep volume can only be adjusted through the Menu.

Quick Access to Convenient Features

Call Waiting


During a call, one beep indicates another incoming call.

Press  to answer it and put the first call on hold. Press  again to return to the first call.

Caller ID

Caller ID displays the number and/or name and/or picture if applicable of the person calling when your phone rings.

Voice Commands

Voice Commands allow you to do things by verbal command. With the flip open, press the Voice Commands Key  and follow the prompts.

Note

Voice Commands can also be started with the designated key on your Bluetooth® device. Please check the manual of the Bluetooth® device for further instructions.

Entering and Editing Information

Text Input

The following key functions are available to help with text entry:



Left Soft Key: Press to change text input mode.



Shift: Press to change capitalization (initial cap, caps lock, lowercase).



Next: Press to display other matching words in the database in Word mode.



Space: Press to complete a word and insert a space.




Clear: Press to delete a single space or character. Hold to delete words.



Punctuation: Press to insert punctuation.










Text Input Modes

In a text field, press the Left Soft Key  to display text modes.







T9Word / Abc / 123 / Symbols

Contacts in Your Phone's Memory

Storing Basics












1. With the flip open, enter a number (max. 48 digits), then press the Left Soft Key  [Save].
2. Use the Directional Key  to highlight **Save New/Update Existing**, then press .
3. Use the Directional Key  to highlight **Mobile 1/ Home/ Work/ Mobile 2/ Fax**, then press .
4. Enter a name (max. 22 characters), then press .
5. Press  to exit,  to call, or the Right Soft Key  [Options].
Search/ Wait/ Pause/ Send Message

Customizing Individual Entries

1. With the flip open, press the Right Soft Key  [Contacts], then use the Directional Key  to highlight an entry.
2. Press  **View** and the Left Soft Key  [Edit].
3. Use the Directional Key  to highlight the information to customize.
4. Change the entry information as you want, then press  to save your changes.


Speed Dial





Allows you to set up your Speed Dials.

1. With the flip open, press the Right Soft Key  [Contacts], then use the Directional Key  to highlight an entry.
2. Press  View and the Left Soft Key  [Edit].
3. Use the Directional Key  to highlight a phone number, then press the Right Soft Key  [Options].
4. Use the Directional Key  to highlight **Set Speed Dial**, then press .
5. Enter a Speed Dial digit.
 - Use the keypad, then press .
 - Use the Directional Key  to highlight the Speed Dial digit, then press .

Contacts in Your Phone's Memory








Storing a Number with Pauses

Pauses allow you to enter additional series of numbers to access automated systems such as Voicemail or credit billing numbers. Pause types are: **Pause (P)** The phone stops dialing until you press the Left Soft Key  **[Release]** to advance to the next number. **Wait (W)** The phone waits two seconds before sending the next string of digits.







1. With the flip open, enter the number, then press the Right Soft Key  **[Options]**.
2. Use the Directional Key  to highlight **Pause** or **Wait**, then press .
3. Enter additional number(s).
4. Press the Left Soft Key  **[Save]**.
5. Choose **Save New/ Update Existing**.
6. Choose **Mobile 1/ Home/ Work/ Mobile 2/ Fax**.
7. Continue entering information for the Contact entry as necessary.

Adding Another Phone Number

From standby mode

1. With the flip open, enter a phone number, then press the Left Soft Key  [Save].
2. Use the Directional Key  to highlight **Update Existing**, then press .
3. Use the Directional Key  to highlight an existing entry, then press .
4. Use the Directional Key  to highlight **Mobile 1 / Home / Work / Mobile 2 / Fax**, then press  to save.







From the Contact List Screen

1. With the flip open, press the Right Soft Key  [Contacts].
2. Use the Directional Key  to highlight an entry, then Press  **View** and the Left Soft Key  [Edit].
3. Use the Directional Key  to highlight the phone number field to add, then enter the number and press  to save.










Contacts in Your Phone's Memory

Changing Saved Information

To edit any information you stored, access the Edit Contacts screen:









1. With the flip open, press the Right Soft Key  [Contacts].
2. Use the Directional Key  to highlight a Contact entry, then Press  View and the Left Soft Key  [Edit].
3. Use the Directional Key  to highlight the field you want to change.
4. Make the changes, then press .



Adding a Pause to a Contact Entry

1. With the flip open, press the Right Soft Key  [Contacts].
2. Use the Directional Key  to highlight a Contact entry, and press , then press the Left Soft Key  [Edit].
3. Use the Directional Key  to highlight the number, then press the Right Soft Key  [Options].
4. Press  Wait or  Pause.
5. Enter additional number(s), then press .

Changing the Default Number






The Default Number is the phone number you entered when you created the Contact. Another number can be saved as the Default Number.

1. With the flip open, press the Right Soft Key  [Contacts].
2. Use the Directional Key  to highlight an entry.
3. Press  View and the Left Soft Key  [Edit].
4. Use the Directional Key  to highlight a phone number, then press the Right Soft Key  [Options].
5. Use the Directional Key  to highlight **Set As Default**, then press .

6. Press  Yes to set the new number as the default.
A confirmation message is displayed.
7. Press  again to save.









Deleting

Deleting a Contact Entry

1. With the flip open, press the Right Soft Key  [Contacts].
2. Use the Directional Key  to highlight an entry.
3. Press the Right Soft Key  [Options].
4. Press  Delete.
5. Press  Yes to confirm.

Contacts in Your Phone's Memory

Deleting a Speed Dial

1. With the flip open, press the Right Soft Key  [Contacts].
2. Use the Directional Key  to highlight a Contact entry to edit and press  [View].
3. Select the phone number with the Speed Dial, then press  [Edit].
4. Press the Right Soft Key  [Options].
5. Press  Remove Speed Dial.
6. Press  Yes to confirm.
7. Press  again to save.

Speed Dialing

Allows you to make phone calls quickly and easily to numbers stored in Contacts.



Note

Speed Dial 1 is for Voicemail.
Speed Dial 411 is for Directory Assistance.


Single Digit Speed Dials

Press and hold the Speed Dial digit. Your phone recalls the phone number from your Contacts, displays it, and dials it for you.

Multiple Digit Speed Dials

When you press and hold a number key, it signals the phone to attempt a Speed Dial transmission. To dial Speed Dials with multiple digits, press the first digit(s) as necessary, then press and hold the last digit. For example, to Speed Dial 25, press , then press and hold .



Note

You can also enter the Speed Dial digit(s), then press .

Using Phone Menus

My Account

The My Account menu allows you to manage your Virgin Mobile services. Check your balance and top up here.

1. Open the flip and press  [MENU].
2. Press  My Account.







Call History



Call History

The Contacts Menu allows you to store names, phone numbers and other information in your phone's memory.

1. Missed Calls







Allows you to view the list of missed calls up to 40 entries.

1. With the flip open, press  [MENU].
2. Press  Call History.
3. Press  Missed Calls.
4. Use the Navigation Key  to scroll to an entry, then
 - Press  to view the entry.
 - Press  key to place a call to the number.



- Press the Right Soft Key  [Options] to select:
Save / Delete / Call /
Delete All / Call Timer /
Dial 1 + Number
- Press the Left Soft Key  [MSG] to send a message.

2. Received Calls

Allows you to view the list of incoming calls up to 40 entries.






1. With the flip open, press  [MENU].
2. Press  Call History.
3. Press  Received Calls.
4. Use the Navigation Key  to scroll to an entry, then
 - Press  to view the entry.
 - Press  key to place a call to the number.




Call History

- Press the Right Soft Key  [Options] to select:
Save / Delete / Call /
Delete All / Call Timer /
Dial 1 + Number
- Press the Left Soft Key  [MSG] to send a message.

3. Dialed Calls




Allows you to view the list of outgoing calls up to 40 entries.


1. With the flip open, press  [MENU].
2. Press  Call History.
3. Press  Dialed Calls.
4. Use the Navigation Key  to scroll to an entry, then
 - Press  to view the entry.





- Press the  key to place a call to the number.
- Press the Right Soft Key  [Options] to select:
Save / Delete / Call /
Delete All / Call Timer /
Dial 1 + Number
- Press the Left Soft Key  [MSG] to Send a message.

4. All Calls

Allows you to view the list of all calls up to 120 entries.





1. With the flip open, press  [MENU].
2. Press  Call History.
3. Press  All Calls.

4. Use the Navigation Key  to scroll to an entry, then

- Press  to view the entry.
- Press  key to place a call to the number.
- Press the Right Soft Key  [Options] to select: Save / Delete / Call / Delete All / Call Timer / Dial 1 + Number
- Press the Left Soft Key  [MSG] to send a message.

5. Call Timer

Allows you to view the duration of selected calls.

1. With the flip open, press  [MENU].
2. Press  Call History.
3. Press  Call Timer.
4. Use the Navigation Key  to scroll to a call list.
Last Call/ Home Calls/ Roam Calls/ All Calls

Bluetooth

Bluetooth

The LG230 is compatible with devices that support the Headset, Handsfree, Phonebook Access and Object Push for vCard & vCal.

You may create and store 20 pairings within the LG230 and connect to one device.

The approximate communication range for Bluetooth® wireless technology is up to 30 feet (10 meters).

Bluetooth® QD ID B015489

Note

Read the user guide of each Bluetooth® accessory that you are trying to pair with your phone because the instructions may be different.

Tips

- **Headset:** Supports use of a compatible bluetooth headset for mono voice.
- **Handsfree:** Supports Bluetooth headsets, and may also support other installed compatible Bluetooth devices with speakerphone capabilities, such as car kits or a conference room device.
- **Phonebook Access:** Allows sharing of your name card, phonebook entries, and call history with a compatible Bluetooth device.






Tips

- **Basic Printing:** Allows Printing of JPEG files to a Bluetooth enabled printer.
- **Object Push:** Allows sending and receiving of contact name cards, calendar events, between devices.
- **File Transfer:** Allows a compatible Bluetooth device to view a list of files and transfer non-protected files in either direction.





1. Paired Devices

Pairing is the process that allows the handset to locate, establish, and register 1-to-1 connection with the target device.

For pairing with a new Bluetooth® device

1. Open the flip and press  [MENU].
2. Press  Bluetooth.
3. Press  Paired Devices.
4. If Bluetooth® power is set to off, you will be prompted to turn power on. Select Yes and press  then press  again.







Bluetooth

5. The device will appear in Add New Device menu once it has been located. Highlight the device and press .
6. The handset will prompt you for the passcode.
instructions for the appropriate passcode (typically "0000" - 4 zeroes). Enter the passcode and press .
7. Once pairing is successful, select either Always Ask or Always Connect and press . (except audio devices)
8. Once connected, you will see the device listed in the Bluetooth® Menu and the Bluetooth® device connected icon  will show up on your enunciator when connected to the Bluetooth® device.







Icon Reference in Adding New Device

When the Bluetooth® wireless connection is built and paired devices are found, the following icons are displayed.

- Icon References When a Bluetooth® Wireless Connection is Searched (neither connected nor paired).

	When an audio device is searched by your LG230 device
	When a PC is searched by your LG230 device
	When a PDA is searched by your LG230 device
	When another phone device is searched by your LG230 device
	When a printer is found by your LG230 device
	When other undefined devices are found by your LG230 device




- Icon References When Successfully Connected

	When an audio device is paired by your LG230 device.
	When a PC is paired by your LG230 device.
	When a PDA is paired by your LG230 device.
	When another phone device is paired by your LG230 device.
	When a printer is paired by your LG230 device.
	When other undefined devices are paired by your LG230 device.


Bluetooth




2. Power

Allows you to set the Bluetooth power On/Off.

1. Open the flip and press  [MENU].
2. Press  Bluetooth.
3. Press  Power.
On/ Off




3. Auto Pair Handsfree

If you attempt to pair a device that is part of the handsfree/headset profile, the “PAIR”/  is selected. Your device will automatically attempt to pair using a “0000” passcode.

1. Open the flip and press  [MENU].
2. Press  Bluetooth.
3. Press  Auto Pair
Handsfree.
On/ Off




4. My Visibility

Allows you to manage your phone's availability to other Bluetooth devices.




1. Open the flip and press  [MENU].
2. Press  Bluetooth.
3. Press  My Visibility.

Visible/ Hidden/ Visible for 3 mins

5. My Bluetooth Name

1. Open the flip and press  [MENU].
2. Press  Bluetooth.
3. Press  My Bluetooth Name.

6. My Bluetooth Info

1. Open the flip and press  [MENU].
2. Press  Bluetooth.
3. Press  My Bluetooth Info.

Multimedia





Multimedia



1. Take Photo

Take pictures straight from your phone.

Tips

- To take a clear picture, set the proper brightness level and zoom before taking the picture.
- Avoid jolting the camera.
- Wipe the camera lens with a soft cloth.

1. Open the flip and press  [MENU].
2. Press  Multimedia.
3. Press  Take Photo.
4. Set the brightness by pressing the Directional Key left and right , zoom by pressing

the Directional Key up and down , and press the Right Soft Key  [Options] to change other settings.

Note

Zoom is not available on the highest resolution(640X480).

- Select the option(s) to customize.

View Mode Fit to Screen/
Landscape

Resolution 640x480 /
320x240/ 176x144/
160x120

Quality Fine/ Normal/
Economy

Zoom

Brightness

Night Mode On/ Off

Self Timer Off/ 3 Seconds/
5 Seconds/ 10 Seconds

White Balance Auto/ Sunny/
Cloudy/ Tungsten/
Fluorescent



Color Effects Color/ Sepia/
Mono/ Negative

Template On/ Off

Shutter Sound None/
Sound1/ Sound2/ Sound3

Multishot Off/ 3 shots/
6 shots

Auto-Save Enable/ Disable




6. Take a picture by pressing  [Take].
7. Press the Left Soft Key  [Save]. The picture is stored in My Pictures.

Note

Taking pictures with the flip closed. Press and hold the side camera key on the right side of the phone. And then press the side volume keys on the left side of the phone.

2. Record Voice





Allows you to record short verbal reminders.

1. Open the flip and press  [MENU].
2. Press  Multimedia.
3. Press  Record Voice.

3. Pictures



View, take, and trade your digital pictures and right from your wireless phone.

Multimedia

1. Open the flip and press  [MENU].
2. Press  **Multimedia**.
3. Press  **Pictures**.
4. Select a submenu and press .

My Pictures

Allows you to view photos stored in the phone.

1. Open the flip and press  [MENU].
2. Press  **Multimedia**.
3. Press  **Pictures**.
4. Press  **My Pictures**.
5. Select your desired picture with  and press Right Soft Key  [Options].

6. Select the options to customize.

Send Send a message.

Set As Main Screen/ Front Screen/ Picture ID

Delete

Rename Renames the selected picture.

Lock(Unlock) Lock(unlock) the selected picture.

List View

Information





Delete Multiple Selective/ All

Sort by Name/ Date/ Size

Note



To scroll to options not viewed on screen, place your finger on the list and gently apply upward (or downward) pressure. The bar along the right side of the screen indicates where you are in the list.

Default

1. Open the flip and press  [MENU].
2. Press  Multimedia.
3. Press  Pictures.
4. Press  Default.

Get New Pictures

Allows you to get new pictures from the server connection.




1. Open the flip and press  [MENU].
2. Press  Multimedia.

3. Press  Pictures.

4. Press  Get New Pictures.

4. Audio

Allows you to listen to or get new ringtones.

1. Open the flip and press  [MENU].
2. Press  Multimedia.
3. Press  Audio.

My Audio/ Default/ Get New Audio

Messaging

Messaging




The phone can store over 350 messages. The information stored in the message is determined by phone mode and service capability. Other limits to available characters per message may exist. Please check with your service provider for system features and capabilities.

New Message Alert

Your phone will alert you when you have new messages.

1. The phone displays a message on the screen.
2. The message icon (✉) is displayed on screen.






1. Text Message

1. Open the flip and press  [MENU].
2. Press  Messaging.
3. Press  Text Message.

2. Picture Message


Allows you to create a message with Text, Picture and Sound and send it. The total number of possible recipients and subject length of your message is displayed on the phone, but it may vary depending the type of your message.

Picture Message


1. Open the flip and press  [MENU].
2. Press  **Messaging**.
3. Press  **Picture Message**.
4. Enter the phone number of the recipient or the email address for an email message. You can enter up to 10 addresses for a single message.
5. Press the Directional Key  downward.
6. Type your message in the text field.
7. Press  [Send].

Customizing the Message Using Options

• Editing the To: field

1. Press the Right Soft Key  [Options].
2. Select the option(s) to customize.
**Contacts/ Recent Calls/
Recent Messages/ Groups/
Cancel**

• Editing Text

1. Press the Right Soft Key  [Options].
2. Select the options to customize.

Preview

Add Templates/ Signature/
Slide

Go to Previous Slide/ Next
Slide

Messaging


Save As Draft/ Templates

Priority Level Normal/ High

Remove Picture/ Audio/ Slide


Cancel Cancels message editing and goes to Message Menu.

- **Editing Picture**

1. Press the Right Soft Key  [Options].
2. Select the options to customize.


Preview/ Add Slide/ Go to/
Save As Draft/ Priority Level/
Remove/ Cancel

- **Editing Audio**


1. Press the Right Soft Key  [Options].
2. Select the options to customize.

Preview/ Add Slide/ Go to/
Save As Draft/ Priority Level/
Remove/ Cancel

- **Editing Subject**


1. Press the Right Soft Key  [Options].
2. Select the options to customize.

Preview/ Add/ Go to/ Save
As/ Priority Level/ Remove/
Cancel





3. Complete and then send or save the message by pressing .

3. Inbox




Your phone will alert you when you have new messages.

- By displaying a message notification on the screen.
- By sounding a sound or vibration, if set.
- By displaying . (The icon will blink when you get a high priority message.)

Viewing Your Inbox

1. Open the flip and press  [MENU].
2. Press  Messaging.
3. Press  Inbox.
4. Use the Navigation Key  to scroll to a message entry.

5. Options from here:

- Press the Left Soft Key  [Reply].
- Press the  [View] to open the message.
- Press the Right Soft Key  [Options].

Delete

Forward Forwards a received message to other destination address(es).

Save Contact Save New/
Update Existing








Lock/Unlock Locks or unlocks the selected message.

Delete Multiple Selective/ All

Information Allows you to check the received message information.

Messaging






Message Icon Reference

	New/ Unread TXT Messages
	Opened/ Read TXT Messages
	Priority High
	Locked
	New/ Unread Multimedia Message
	Open/ Read Multimedia Message
	New/Unread Notification Messages
	Open/Read Notification Messagesd

* Multimedia Message indicates Picture/ Voice Message.

4. Sent

Up to 50 sent messages can be stored in Outbox lists. Viewing the content of sent messages verifies whether the transmission was successful or not.

1. Open the flip and press  [MENU].
2. Press  **Messaging**.
3. Press  **Sent**.
4. Options from here with a message highlighted:
 - Press  [View] to view the message.
 - Press the Left Soft Key  [Resend] to erase highlighted message.

- Press the Right Soft Key

 [Options].

Delete

Forward Forwards a sent message to other destination address(es).
















Save Contact Save new/
Update Existing

Lock/Unlock Locks or unlocks the selected message.

Delete Multiple Selective/ All

Information Allows you to check the sent message information.






Message Icon Reference

	MMS_noti_read
	MMS_noti_UNread
	mms_priority_H
	mms_priority_L
	mms_read_priority_H
	mms_read_priority_L
	MMS_unread
	msg_duplicate
	Msg_highpriority
	Msg_highpriorityLocked
	Msg_Locked
	msg_mms_read
	msg_read_duplicate
	sms_read
	sms_unread

Messaging

5. Drafts

Displays draft messages.

1. Open the flip and press  [MENU].
2. Press  Messaging.
3. Press  Drafts.
4. Options from here with a message highlighted:
 - Press  [Edit].
 - Press the Right Soft Key  [Options].

Delete

Save Contact Save New/
Update Existing

Lock/Unlock Locked messages cannot be deleted by the Erase Drafts and Erase All functions.

Delete Multiple Selective/ All

Message Icon Reference






Saved text message



Saved multimedia message




6. Messenger

Allows you to log on to specific web messaging services and chat online. Privacy policy and charges may vary.

1. Open the flip and press  [MENU].
2. Press  Messaging.
3. Press  Messenger.




7. Mobile email


Allows you to check your email using a variety of popular services and standard server protocols.

1. Open the flip and press  [MENU].
2. Press  **Messaging**.
3. Press  **Mobile email**.

8. Communities






With Virgin Mobile Browser, you can enjoy community service.

1. Open the flip and press  [MENU].
2. Press  **Messaging**.
3. Press  **Communities**.

4. Select Facebook, My Space, Red Light Lounge, Lavalife, Bebo or Mocospace and press .

9. Voicemail




Allows you to view the number of new voice messages recorded in the Voicemail box. Once you exceed the storage limit, old messages are overwritten. When you have a new voice message, your phone will alert you.

1. Open the flip and press  [MENU].
2. Press  **Messaging**.
3. Press  **Voicemail**.
4. Options from here:
 - Press  or  to listen to the message(s).

Messaging




0. Web Alerts

Get alerts from your phone when Web Messages have arrived.

1. Open the flip and press  [MENU].
2. Press  Messaging.
3. Press  Web Alerts.






*. Templates

Allows you to display, edit, and add text phrases. These text strings allow you to reduce manual text input into messages.

1. Open the flip and press  [MENU].
2. Press  Messaging.
3. Press  Templates.

#. Settings

Allows you to configure settings for your messages.

1. Open the flip and press  [MENU].
2. Press  Messaging.
3. Press  Settings.
4. Use the Navigation Key  to scroll to one of the settings and press  to select it.

Message Settings Sub-Menu Descriptions

1. All Messages

Auto Save/ Auto Delete/
Entry Mode/ Signature

2. Text Messages (Callback #)

Callback # (On/ Off/ Edit)

Allows you to make your number displayed when you send message.

3. Picture Messages

Auto Receive (On/ Off)

With this feature on, messages are automatically received in the phone.

4. Edit Voicemail

Allows you to make your number displayed when you send message.

5. Web Alerts

Auto Connect (On/ Off)

With this feature on, messages are automatically received in the phone.

6. Delete All

Allows you to delete all messages.




Inbox/ Sent/ Drafts/ Web Alerts/ All Messages

Tools

Tools

1. Voice Command

Allows you to check handset status and make calls by speaking from a list of supported commands.

1. Open the flip and press  [MENU].
2. Press  Tools.
3. Press  Voice Command.






1.1 Start Command

1.1.1 Call <Name or Number>

Say "Call" and then call someone simply by saying the phone number or name. Please speak clearly and exactly as in your Contacts list. When you have more than one contact number, you can state the name and number type of the contact (for example, 'Call John Work').

1. Press , , , , .

1.1.2 Voicemail

1. Press , , , , .
2. The phone will announce any new Voicemail(s).

1.1.3 Missed Calls

You can hear details about missed calls.

1. Press , , , , .

1.1.4 Messages

This voice command feature will read out information from messages received.

1. Press , , , , .

1.1.5 Time & Date

This voice command feature will read out the current time & date.

1. Press , , , , .





1.1.6 Help

Provides a general guideline to using Voice Commands.

1. Press , , , , .

1.2 Command Mode





Allows you to choose between Normal or Speed settings. The Speed setting allows you to access the Voice Command functions more quickly with a non-verbal prompt.)

1. Open the flip and press  [MENU].
2. Press  Tools.
3. Press  Voice Command.
4. Press  Command Mode.

Tools




1.3 Announce Alert

Allows you to customize the Announce Alert function. Alert Announce allows you to hear more information about an incoming call in addition to, or instead of, the Ring/Ringtone.

1. Open the flip and press  [MENU].
2. Press  Tools.
3. Press  Voice Command.
4. Press  Announce Alert.

1.4 Train Word





Allows you to train the device to your voice for improved results.

1. Open the flip and press  [MENU].
2. Press  Tools.
3. Press  Voice Command.

4. Press  Train Word.




1.5 Best Match







Allows you to customize Best Match settings.

1. Open the flip and press  [MENU].
2. Press  Tools.
3. Press  Voice Command.
4. Press  Best Match.

2. Alarm Clock









Allows you to set one of three alarms. At the alarm time, Alarm (1, 2, 3, 4, or 5) will be displayed on the LCD screen and the alarm will sound.






1. Open the flip and press  [MENU].
2. Press  Tools.
3. Press  Alarm Clock.

4. Use the Navigation Key  to scroll to an Alarm (1, 2, 3, 4 or 5), then press .
5. Enter the alarm information including:
 - Turn On/Off
 - Set Time
 - Repeat
 - Ringtones
6. Use the Navigation Key  to scroll to the information you want to set, then press the Left Soft Key  [Set] to view your setting choices.
7. Press  [Save] after setting all of the Alarm fields as necessary.
When the alarm goes off, you can choose to "snooze" or "dismiss" the alarm. To turn it off, press , the side keys, any of the alphanumeric keys, or the vibrate mode key.

3. Calendar





Allows you to keep your agenda convenient and easy to access. Simply store your appointments and your phone will alert you with a reminder you set.

1. Open the flip and press  [MENU].
2. Press  Tools.
3. Press  Calendar.
4. Use the Navigation Key  to scroll to the scheduled day.
 Left  Moves cursor to the previous day.
 Right  Moves cursor to the next day.
 Up  Moves to the previous week.
 Down  Moves to the next week.

5. Press the Left Soft Key  [New].
6. Enter Subject, then scroll down to the remaining settings.
7. Scroll to a Calendar setting field, then press the Left Soft Key  [Set]. For each Calendar event you can set:
 - Set Time
 - Subject
 - Reminder
 - Repeat
 - Repeat End
 - Ringtone
8. Use the Navigation Key  to choose a setting, then press .
9. Press  [Save] when Calendar information is complete.






4. Ez Tip Calc

Allows you to quickly and easily calculate bill amounts using the bill total, tip % and number of people as variables.

1. Open the flip and press  [MENU].
2. Press  Tools.
3. Press  Ez Tip Calc.
5. Enter the variable fields (Total bill, Tip (%), Split) and the corresponding calculation fields (tip and total for each person) appear automatically.
6. Press the Left Soft Key  [Reset] for another calculation.


5. Notepad

Allows you to enter and maintain a list of short notes.

1. Open the flip and press  [MENU].
2. Press  Tools.
3. Press  Notepad.
4. Press the Left Soft Key  [New] to write a new note.
5. After filling in the note, press  to save it.


6. Calculator


Allows you to perform simple mathematical calculations. You can enter numbers up to the eighth decimal place. Calculations can be made with up to 3 lines at one time.

1. Open the flip and press  [MENU].

2. Press  Tools.




3. Press  Calculator.

4. Enter the numbers to get the value you want. To cancel a number, press the Left Soft Key  [Clear].



5. Press the Right Soft Key  [Operator] to add parenthesis or power among numbers for calculation.

7. World Clock


Allows you to determine the current time in another time zone or country by navigating with the left or right navigation keys.






1. Open the flip and press  [MENU].
2. Press  Tools.
3. Press  World Clock.


Tools

4. Press the Right Soft Key  [Cities] to choose from a list of available cities.
5. Select a city from the list, then press . The display shows the position of the city on a global map.

8. Stopwatch




Allows you to use your phone as a typical stopwatch. Start measuring time and finish it pressing .

1. Open the flip and press  [MENU].
2. Press  Tools.
3. Press  Stopwatch.
4. Press  [Start], then options from here:
 - Press the Left Soft Key  [Lap].

- Press the Right Soft Key  [Reset].




9. Unit Converter

Allows you to convert units of measurement.

1. Open the flip and press  [MENU].
2. Press  Tools.
3. Press  Unit Converter.

0. Update Phone




This feature allows your phone to upgrade to the latest software and keeps your phone up to date with the latest features.

1. Open the flip and press  [MENU].
2. Press  Tools.
3. Press  Update Phone.

My Stuff




1. Games

Allows you to get new games by downloading them from the Virgin Live mobile portal.

1. Open the flip and press  [MENU].
2. Press  **My Stuff.**
3. Press  **Games.**






2. Applications

Download new handset tools from the Virgin Live portal when available.

1. Open the flip and press  [MENU].
2. Press  **My Stuff.**
3. Press  **Applications.**

3. Memory

Allows you to check your LG230 internal phone memory.
Shows the memory information saved in your phone.

1. Open the flip and press  [MENU].
2. Press  **My Stuff.**
3. Press  **Memory.**
4. Use the Directional Key  to select file storage type in the LG230, then press  to view the memory used.
**Reserved Memory/
Multimedia**

Contacts

Contacts

The Contacts Menu allows you to store names, phone numbers and other information in your phone's memory.

Note




Pressing the Right Soft Key  is a hot key to Contact List.




1. New Contact

Allows you to add a new number to your Contact List.

Note

Using this submenu, the number is saved as a new Contact, not into an existing Contact.

1. With the flip open, press  [MENU].
2. Press  **Contacts**.
3. Press  **New Contact**.




4. Enter the name and press the Directional Key  downward.
5. Use the Directional Key  to highlight the phone number type.
6. Enter the number and press .


Note




For more detailed information, see page 23.

2. Contact List

Allows you to view your Contact List.

1. With the flip open, press  [MENU].
2. Press  **Contacts**.
3. Press  **Contact List**.

4. Use the Directional Key  to scroll through your Contacts alphabetically.




- Press the Right Soft Key  **[Options]** to select one of the following:
Send Message(Text Message/ Picture Message)/
Delete/ Edit/ Delete Multiple(Selective/ All)/
Send via Bluetooth/ Change Search Type(Default Searching Style/ Secondary Searching Style)/ **Set Speed Dial**
- Press the Left Soft Key  **[New]** to add New Contacts.
- Press  to view the entry details.

Note

Use the Go To field, for quick access to an entry without scrolling. For example, to go to "Vet", enter the letter V. Only supported when Search Type is set as Secondary Searching Style.



3. Groups

Allows you to view your grouped Contacts, add a new group, change the name of a group, delete a group, or send a message to everyone in the selected group.

1. With the flip open, press  **[MENU]**.
2. Press  **Contacts**.
3. Press  **Groups**.

Contacts


4. View a Group

Use the Directional Key  to highlight a group, then press .

Add a New Group

Press the Left Soft Key  [New] to add a new group to the list.










Options Using a Group

Press the Right Soft Key  [Options] to select one of the following:

Delete/ Send Message/
Rename Group/ Set
Ringtone/ Delete All




4. Speed Dials

Allows you to view your list of Speed Dials or designate Speed Dials for numbers entered in your Contacts.

1. With the flip open, press  [MENU].
2. Press  **Contacts**.
3. Press  **Speed Dials**.
4. Use the Directional Key  to highlight the Speed Dial position, or enter the Speed Dial digit and press .
5. Use the Directional Key  to highlight the Contact then press . (For Contacts with multiple numbers, highlight the number for the Speed Dial, then press .
6. Press  **Yes** to confirm. A confirmation message is displayed.




5. Services




*611 and 411 numbers are available for services.

1. With the flip open, press  [MENU].
2. Press  **Contacts**.
3. Press  **Services**.


6. My Name Card

Allows you to view all of your personal Contact information including name, phone numbers, and email address in one entry.

1. With the flip open, press  [MENU].
2. Press  **Contacts**.
3. Press  **My Name Card**.

4. Press the Left Soft Key  [Edit] to enter your personal Contact information.
5. Use the Directional Key  to scroll to the information you want to enter.
6. Enter your information as necessary, then press .

Note

Press the Right Soft Key  [Options] to send name card.







Settings

Settings

1. Sound

Provides options to customize the phone's sounds.







1.1 Ringers

1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Sound.
4. Press  Ringers.
6. Use the Navigation Key  to scroll to a setting, then press .

All Calls/ Caller ID/ No
Caller ID/ Restricted Calls/
Shuffle



1.2 Volume

Allows you to set volume settings.

1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Sound.
4. Press  Volume.
6. Use the Navigation Key  to scroll to a setting, then press .

Master Volume/ Keypad/
Earpiece/ Speaker/
Applications

1.3 Message Alerts

1. Open the flip and press  [MENU].
2. Press  Settings.

3. Press **1** **Sound.**
4. Press **3** **Message Alerts.**

1.4 Alert Type

Allows you to select the alert types.

1. Open the flip and press **[MENU].**
2. Press **9** **Settings.**
3. Press **1** **Sound.**
4. Press **4** **Alert Type.**

1.5 Service Alerts

Allows you to set any of the four Alert options to either On or Off.

1. Open the flip and press **[MENU].**
2. Press **9** **Settings.**
3. Press **1** **Sound.**

4. Press **5** **Service Alerts.**

5. Select an alert option.

Minute Beep Alerts you one minute before the end of every minute during a call.

Call Connect Alerts you when the call is connected.

Back to Top

Low Battery Alerts you when the battery is completely charged.

6. Use the Navigation Key to scroll to a setting, then press .






On/ Off or Announce/ Tone

1.6 Power On/Off Tone

Allows you to set the phone to sound a tone when the phone is powered on/off.





1. Open the flip and press **[MENU].**

Settings

2. Press  **Settings.**
 3. Press  **Sound.**
 4. Press  **Power On/Off Tone.**
 5. Select Power On/ Power Off.
 6. Use the Navigation Key  to scroll to a setting, then press  .
- On/ Off**

1.7 Flip Tone

Allows you to set a flip tone that will play when you Slide your phone open or closed.





1. Open the flip and press  [MENU].
2. Press  **Settings.**
3. Press  **Sound.**
4. Press  **Flip Tone.**


2. Display

Provides options to customize the phone's display screen.

2.1 Wallpaper

Allows you to choose the kind of background to be displayed on the phone. The possibilities are endless, in particular, provide you with flash screens for your background wallpaper and Slide Show allows you to select several images to display in slides as wallpaper.

1. Open the flip and press  [MENU].
2. Press  **Settings.**
3. Press  **Display.**
4. Press  **Wallpaper.**






5. Choose a submenu and press .

**Main Screen/ Front Screen/
Shuffle**

6. Select from available screens then press .






2.2 Banner

Allows you to enter text to display on the inner LCD and outside LCD. You can enter up to 23 characters each.

1. Open the flip and press  [MENU].
2. Press  **Settings.**
3. Press  **Display.**
4. Press  **Banner.**
6. Enter the banner text you want to display on the inside LCD, then press  to save it.

2.3 Backlight







Allows you to set the duration for illuminating the backlight. Screens and Keypad are set separately.

1. Open the flip and press  [MENU].
2. Press  **Settings.**
3. Press  **Display.**
4. Press  **Backlight.**
5. Choose a Backlight submenu and press .
 1. **Display:** 7 Seconds/ 10 Seconds/ 15 Seconds/ 30 Seconds/ Always On/ Always Off
 2. **Keypad:** 7 Seconds/ 10 Seconds/ 15 Seconds/ 30 Seconds/ Always On/ Always Off

Settings

2.4 Menu Style

Allows you to choose how the Main Menu displays for menu selection.







1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Display.
4. Press  Menu Style.
5. Use the Directional Key  to highlight a setting, then press .
Icon/ List

Note

This User Guide gives navigation instructions according to the default "Grid" Main Menu Layout in the Display Settings menu. If other menus are set, navigating the phone's menus may be different.









2.5 Languages

Allows you to set the bilingual feature according to your preference. Choose either English or French.







1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Display.
4. Press  Language.
5. Use the Navigation Key  to scroll to a setting, then press .
English/ Français

2.6 Set Shortcut

Allows you to set a shortcut to phone menus using the down, up, left and right Navigation Keys.

1. Open the flip and press  [MENU].
2. Press  **Settings**.
3. Press  **Display**.
4. Press  **Set Shortcut**.
5. Use the Navigation Key  to scroll to a shortcut key you want to set.
6. Press the Left Soft Key  [Set].
7. Use the Navigation Key  to scroll to the shortcut you want, then press .

2.7 Clocks & Calendar





1. Open the flip and press  [MENU].
2. Press  **Settings**.
3. Press  **Display**.
4. Press  **Clocks & Calendar**.
5. Use the Navigation Key  to scroll to a setting, then press .

Main Screen/ Front Screen

1. **Main Screen**
Normal Clock/ Analog Clock/ Digital Clock/ Dual Clock/ Calendar
2. **Front Screen**
Minimize/ Digital Clock







Settings

2.8 Font Settings

1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Display.
4. Press  Font Settings.

2.9 Time Format




Allows you to choose the format of time displayed on the clock of your phone.

1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Display.
4. Press  Time Format.
5. Use the Navigation Key  to scroll to a setting, then press .

12 Hours/ 24 Hours






3. Security

The Security menu allows you to secure the phone electronically.

1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Security.
4. Enter the four-digit lock code.
Default code is the last 4 digits of your phone number.

3.3.1 Lock Phone

Protects your phone from unauthorized use. Once the phone is locked, it's in restricted mode until the lock code is entered. You can receive phone calls and still make emergency calls. You can modify the lock code using the Change Lock Code submenu within the Security menu.

1. Open the flip and press  [MENU].
2. Press  **Settings**.
3. Press  **Security**.
4. Enter the four-digit lock code.
5. Press  **Lock Phone**.
6. Scroll to an option then press .





Unlock The phone is not locked (Lock code can be used).

Lock




On Power Up The phone is locked when it is turned on.

3.3.2 Restrictions

Allows you to set separate restrictions for Location Setting, Calls, Messages, and Dial Up Modem.

1. Open the flip and press  [MENU].
2. Press  **Settings**.
3. Press  **Security**.
4. Enter the four-digit lock code.
5. Press  **Restrictions**.
6. Enter service lock code.
Default code is the last 4 digits of your phone number.

Settings

7. Scroll to a Restrictions submenu then press  .
Incoming Calls/ Outgoing Calls/ Incoming Messages/ Outgoing Messages/ Camera/ Data
8. Use the Navigation Key  to set restriction then press  .

Incoming Calls Allow All/
Contacts Only/ Block All

Outgoing Call Allow All/
Contacts Only/ Block All





Incoming Messages Allow
All/ Block All

Outgoing Messages Allow
All/ Block All





Camera Unlock / Lock

Data Unlock/ Lock

3.3.3 Change Lock Code

1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Security.
4. Enter the four-digit lock code.
5. Press  Change Lock Code.

3.3.4 Master Reset







1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Security.
4. Enter the four-digit lock code.
5. Press  Master Reset.

4. Call Settings

The Call Settings Menu allows you to designate how the phone handles both incoming and outgoing calls.

4.1 Answer Options

Allows you to determine how the phone will answer an incoming call.

1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Call Settings.
4. Press  Answer Options.
5. Use the Navigation Key  to scroll to a setting, then press .







Flip Open/ Any Key/ SEND
Key Only/ Auto Answer

NOTE

Auto with Handsfree is available only when any the external device is connected to your phone.

4.2 Auto Retry







Allows you to set the time the phone waits before automatically redialing a number when the attempted call fails.

1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Call Settings.
4. Press  Auto Retry.
5. Use the Navigation Key  to scroll to a setting, then press .
Off/ Every 10 Seconds/
Every 30 Seconds/ Every 60
Seconds

Settings







4.3 One Touch Dial

Allows you to initiate a speed dial call by pressing and holding the speed dial digit. If set to Off, designated Speed Dial numbers will not function.

1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Call Settings.
4. Press  One Touch Dial.
5. Use the Navigation Key  to scroll to a setting, then press .

On/ Off


4.4 Voice Clarity






1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Call Settings.
4. Press  Voice Clarity.
5. Use the Navigation Key  to scroll to a setting, then press .

On/ Off

4.5 Airplane Mode







Allows you to use the menu functions except for making calls or using Bluetooth features when radio transmission is restricted. Activating Airplane Mode will disable all wireless communications.

1. Open the flip and press  [MENU].

2. Press  **Settings.**
3. Press  **Call Settings.**
4. Press  **Airplane Mode.**
5. Use the Navigation Key  to scroll to a setting, then press .
On/ Off

4.6 TTY Mode

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.

1. Open the flip and press  **[MENU].**
2. Press  **Settings.**
3. Press  **Call Settings.**
4. Press  **TTY Mode.**
5. Use the Navigation Key  to scroll to a setting, then press .

TTY Full/ TTY + Talk/ TTY + Hear/ TTY Off

TTY Full Users who cannot talk and hear send and receive a text message through TTY equipment.

TTY + Talk Users who can talk but cannot hear receive a text message and send voice through TTY equipment.

TTY + Hear Users who can hear but cannot talk send a text message and receive voice through TTY equipment.

TTY Off Users who can able to both talk and hear send and receive voice and messages without TTY equipment.

Settings

Connecting TTY Equipment and a Terminal

1. Connect a TTY cable to TTY connection on the terminal (TTY connection location is the same as a headset jack).
2. Enter the phone menu and set up the desired TTY mode.
3. After setting a TTY mode, check the LCD screen of the
- phone for the TTY icon.
4. Connect the TTY equipment to the power source and turn it on.
5. Make a phone connection to the desired number.
6. When connection is made, use the TTY equipment to type in and send a text message or send voice.







TTY Mode (Tele Type writer)

Menu	User	Feature	Transmission/ Receiving Mode	When making communications with a normal terminal
TTY Full	For hearing-/ verbally- impaired		text message transmission, text message receiving	Operator required
TTY + Talk	For hearing- impaired	able to talk	voice transmission, text message receiving	Operator required
TTY + Hear	For verbally- impaired	audible	text message transmission, voice receiving	Operator required
TTY Off			voice transmission, voice receiving	

7. The voice or text message from the receiver end displays on the TTY equipment display.

4.7 Auto Prepend






Allows you to initiate a speed dial call by pressing and holding the speed dial digit. If set to Off, designated Speed Dial numbers will not function.

1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Call Settings.
4. Press  Auto Prepend.
5. Use the Navigation Key  to scroll to a setting, then press .

On/ Off

5. System




Allows you to set up the phone management environment. Leave this setting as the default unless you want to alter system selection as instructed by your service provider.

1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  System.
4. Use the Navigation Key  to scroll to a setting, then press  .
Network/ Location

Settings

6. Roaming

Allows you to update PRL.





1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Roaming.

7. Phone Info

Allows you to check My Number, SW/HW Version, and Icon Glossary.





7.1 My Number

Allows you to customize USB Mass Storage.

1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Phone Info.
4. Press  My Number.





7.2 ESN/MEID

Allows you to view all the icons and their meanings.

1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Phone Info.
4. Press  ESN/MEID.





7.3 Icon Glossary

Allows you to view all the icons and their meanings.

1. Open the flip and press  [MENU].
2. Press  Settings.
3. Press  Phone Info.
4. Press  Icon Glossary.

7.4 Version

Allows you to view the versions of SW, PRL, Browser, AVR, Bluetooth®, FOTA, MMS, JAVA and HW.

1. Open the flip and press  [MENU].
2. Press  **Settings**.
3. Press  **Phone Info**.
4. Press  **Version**.

Safety

TIA Safety Information

The following is the complete TIA Safety Information for wireless handheld phones.

Exposure to Radio Frequency Signal

Your wireless handheld portable phone is a low power radio transmitter and receiver. When ON, it receives and 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)

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

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).

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

Antenna Care

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

Phone Operation

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

Tips on Efficient Operation

For your phone to operate most efficiently:

Don't 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 and always obey them. Also, if using your phone while driving, please observe the following:

- 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 or the law require it.

Safety

Electronic Devices

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

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6) inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should ALWAYS keep the phone more than six (6) inches from their pacemaker when the phone is turned ON;
- Should use the ear opposite the pacemaker to minimize the potential for interference;
- Should turn the phone OFF immediately if there is any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is 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.

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. Switch OFF your phone before boarding an aircraft.

Safety

Blasting Areas

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

Potentially Explosive Atmosphere

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

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

chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles (such as grain, dust, or metal powders); and any other area where you would normally be advised to turn off your vehicle engine.

For Vehicles Equipped with an Air Bag

An air bag inflates with great force. DO NOT place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

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 times after reading it.

Caution! *Violation of the instructions may cause minor or serious damage to the product.*

Charger and Adapter Safety

- The charger and adapter are intended for indoor use only.
- Insert the battery pack charger vertically into the wall power socket.
- Use the correct adapter for your phone when using the battery pack charger abroad.

- Only use the approved battery charger. Otherwise, you may cause serious damage to your phone.

Battery Information and Care

- Please dispose of your battery properly or take it to your local wireless carrier for recycling.
- The battery doesn't need to be empty before recharging.
- Use only LG-approved chargers specific to your phone model since they are designed to maximize battery life.
- Do not disassemble or short-circuit the battery.
- Keep the battery's metal contacts clean.

Safety

- Replace the battery when it no longer provides acceptable performance. The battery can be recharged several hundred times before replacement.
- Recharge the battery after long periods of non-use to maximize battery life.
- Battery life will vary due to usage patterns and environmental conditions.
- Use of extended backlighting, Browser, 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.

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's dirty.
- When using the power plug, ensure that it's firmly connected. If not, it may cause excessive heat or fire.
- If you put your phone in the 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.

- Don't 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.
- Do not disassemble or crush the battery. It may cause a 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. 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.

Safety

- 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 ringtone to vibration so you don't disturb others.
- Do not turn your phone on or off when putting it to your ear.
- Use accessories, such as earphones and headsets, with caution. Ensure that cables are tucked away safely and do not touch the antenna unnecessarily.

Warning! Important safety information

Avoiding hearing damage

Permanent hearing loss may occur if you use your phone and/or headset at a high volume. Set the volume to a safe level. You can adapt over time to a higher volume of sound that may sound normal but can be damaging to your hearing. If you experience ringing in your ears or muffled speech, stop listening and have your hearing checked. The louder the volume, the less time is required before your hearing could be affected. Hearing experts suggest that to protect your hearing:

- Limit the amount of time you use your phone and/or headset at high volume.

- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you.

For information about how to set a maximum volume limit on your phone, see the features guide for your phone.

Using your phone safely

Use of your phone while operating a vehicle is not recommended and is illegal in some areas. Be careful and attentive while driving. Stop using your phone if you find it disruptive or distracting while operating any type of vehicle or performing any other activity that requires your full attention.

Safety

Avoiding hearing damage

Permanent hearing loss may occur if you use your headset at a high volume. Set the volume to a safe level. You can adapt over time to a higher volume of sound that may sound normal but can be damaging to your hearing. If you experience ringing in your ears or muffled speech, stop listening and have your hearing checked. The louder the volume, the less time is required before your hearing could be affected. Hearing experts suggest that to protect your hearing:

- Limit the amount of time you use headset at high volume.
- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you.

For information about how to set a maximum volume limit on your headset, please refer to the features guide for your headset.

Using headsets safely

Use of headsets to listen to music while operating a vehicle is not recommended and is illegal in some areas. Be careful and attentive while driving. Stop using this device if you find it disruptive or distracting while operating any type of vehicle or performing any other activity that requires your full attention.



FDA Consumer Update

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

1. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of Radio Frequency (RF) energy in the microwave range while being used. They also emit very low levels of RF when in 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

Safety

authority to take action if wireless phones are shown to emit Radio Frequency (RF) energy at a level that is hazardous to the user. In such a case, the FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace, or recall the phones so that the hazard no longer exists.

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

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

- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

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

- National Institute for Occupational Safety and Health

- Environmental Protection Agency
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

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

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

The FCC also regulates the base

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

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

The term “wireless phone” refers here to handheld wireless phones with built-in antennas, often called “cell”, “mobile”, or “PCS” phones. These types of wireless phones can expose the user to measurable Radio Frequency (RF) energy because of the short

Safety

distance between the phone and the user's head.

These RF exposures are limited by FCC safety guidelines that were developed with the advice of the FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits.

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

The research done thus far has

produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of Radio Frequency (RF) energy 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 do not know with certainty what the results of such studies mean for human health. Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these

studies was around three years.

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

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years follow-up may be needed to provide answers about some health effects, such as cancer.

Safety

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 Radio Frequency (RF) energy.

The FDA has been a leading participant in the World Health Organization International Electro Magnetic 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 (RF) energy 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 phones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects. Manufacturers of

Safety

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 (RF) energy exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers.

The standard, "Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques", sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of

matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

9. What steps can I take to reduce my exposure to Radio Frequency 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 Radio Frequency (RF) energy. Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure. If you must conduct extended conversations

by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna. Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

10. What about children using wireless phones?

The scientific evidence does not show a danger to users of

wireless phones, including children and teenagers. If you want to take steps to lower exposure to Radio Frequency (RF) energy, 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 (RF) energy from wireless phones can interact with some electronic devices. For this reason, the FDA helped develop a detailed test method to measure Electro Magnetic Interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical Instrumentation (AAMI). The

final draft, a joint effort by the FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

The FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a “compatible” phone and a “compatible” hearing aid at the same time. This standard was

approved by the IEEE in 2000.

The FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, the FDA will conduct testing to assess the interference and work to resolve the problem.

12. Where can I find additional information?

For additional information, please refer to the following resources:

FDA web page on wireless phones
(<http://www.fda.gov/cellphones/>)

Federal Communications Commission (FCC) RF Safety Program
(<http://www.fcc.gov/oet/rfsafety>)

International Commission on Non-Ionizing Radiation Protection

Safety

(<http://www.icnirp.de>)

World Health Organization
(WHO) International EMF
Project

(<http://www.who.int/emf>)

National Radiological Protection
Board (UK)

(<http://www.hpa.org.uk/radiation/>)

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. 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 responsibility is to pay attention to the road.
5. Don't 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. Do not 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

Safety

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 100 for Police, 101 for Gendarmerie Royale or 102 for Ambulance, Pompiers. Remember, it's a free call on your wireless phone!
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 100 for Police, 101 for Gendarmerie Royale or 102 for Ambulance, Pompiers, 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.

The above tips are meant as general guidelines. Before deciding to use your mobile device while operating a vehicle, it is recommended that you consult your applicable jurisdiction's local laws or other regulations regarding such use. Such laws or other regulations may prohibit or otherwise restrict the manner in which a driver may use his or her phone while operating a vehicle.

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 radiofrequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations

Safety

were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure Limit for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

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.

This device was tested for typical body-worn operations with the back of the phone kept 0.79 inches (2.0 cm) between the user's body and the back of the phone. To comply with FCC RF exposure requirements, a minimum separation distance of 0.79 inches (2.0 cm) must be maintained between the user's body and the back of the phone. Third-party belt-clips, holsters, and similar accessories containing metallic components should not be used. Body-worn accessories that cannot maintain 0.79 inches (2.0 cm) separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

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.

The highest SAR value for this model phone when tested for use at the ear is 1.20 W/kg and when worn on the body, as described in this user's manual, is 0.41 W/kg. While there may be differences between SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

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.

Safety

To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) website at <http://www.ctia.org/>

*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.

Accessories

There are a variety of accessories available for your mobile phone. Consult your local dealer for availability. Optional items are sold separately.



Travel Charger

The travel charger allows you to charge your phone.



Car Charger



Battery



USB Cable

Limited Warranty Statement

LG ELECTRONICS Inc. represents and warrants that this subscriber unit and its accessories ("PRODUCT") is free from defects in material and workmanship.

This warranty is subject to the following terms and conditions;

1. This warranty of the PRODUCT extends for a period of 12 months commencing from the date of the activation or 16 months from the date of manufacture whichever is less, except for the battery, for which the warranty is 9 months from the date of activation or 12 months from the date of manufacture whichever is less.
2. During the warranty period, LG ELECTRONICS Inc. or its authorized service network will repair or replace, at LG ELECTRONICS Inc.'s option,

the PRODUCT or any relevant parts thereof in the event that the PRODUCT is found to be defective. The repaired PRODUCT or the Product/part provided as a replacement for a defective PRODUCT/part, shall be free from defects. The END USER/consumer purchaser of the PRODUCT or his/her assignee ("CONSUMER") shall not be charged (whether for parts, labour or otherwise) for the repair or replacement of a defective PRODUCT during the warranty period. All replaced parts, boards or equipment shall become the property of LG ELECTRONICS Inc.

3. The warranty in respect of a repaired or replaced PRODUCT/part shall extend for the remaining warranty period of the repaired

PRODUCT or replacement thereof to the CONSUMER.

4. Upon request from LG ELECTRONICS Inc., the CONSUMER may be required to provide the purchase receipt or other documentation or information in respect of the date and place of purchase.
5. The CONSUMER shall have no coverage or benefits under this warranty in the event that any of the following conditions are applicable:
 - (a) The PRODUCT has been subject to abnormal use or conditions, improper storage, exposure to excessive moisture or dampness, exposure to excessive temperatures, unauthorized modifications, unauthorized repair (including but not

limited to use of unauthorized spare parts in repairs), abuse, accident, Acts of God, spills of food or liquids, improper installation and breakage or damage to antennae (otherwise than by reason of any defects in material or workmanship).

- (b) LG ELECTRONICS Inc. has not been notified by the CONSUMER of the defects of the PRODUCT during the applicable warranty period.
- (c) The PRODUCT serial number code or the accessory date code has been removed, defaced or altered.
- (d) The PRODUCT has been used with or connected to an accessory (i) not supplied by LG ELECTRONICS Inc. or its affiliates, (ii) not fit for use with the PRODUCT or (iii)

Limited Warranty Statement

used otherwise than in the manner intended.

- (e) The seals of the PRODUCT'S battery enclosure have been broken or show evidence of tampering or the PRODUCT'S battery has been used in equipment other than that for which it has been specified usable by LG ELECTRONICS Inc.
- (f) All plastic surfaces and all other externally exposed parts that are scratched or damages due to normal customer use.
- (g) Breakage or damage to antenna unless caused by defects in material or workmanship.

- 6. In order to derive the benefits of this warranty in respect of any defects in the PRODUCT, the CONSUMER shall ship the PRODUCTS or part thereof at its cost to the authorized service center of LG ELECTRONICS Inc. LG ELECTRONICS Inc. shall bear the cost of shipping the PRODUCT or part thereof back to the CONSUMER after the completion of the service under this limited warranty.

NO OTHER EXPRESS WARRANTY IS APPLICABLE TO THIS PRODUCT. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE IS LIMITED TO THE DURATION

OF THE EXPRESS WARRANTY HEREIN. LG ELECTRONICS Inc. SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER CONSEQUENTIAL DAMAGE, ARISING OUT OF THE USE OF, OR INABILITY OF USE, OF THIS PRODUCT OR FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY OR MERCHANTABILITY OR FITNESS APPLICABLE TO THIS PRODUCT.

THE CONSUMER UNDERSTANDS THAT LG ELECTRONICS Inc. HAS EMBEDDED RELIANCE SOFTWARE AND ITS

NETWORK PARAMETERS IN THE PRODUCT. IN CASE THE CONSUMER DELETES, REMOVES, ALTERS OR MODIFIES SUCH SOFTWARE AND THE PARAMETERS AND/OR INSTALLS ANY THIRD PARTY SOFTWARE, THE WARRANTY AND REMEDIES HEREUNDER SHALL NOT BE AVAILABLE TO THE CONSUMER.

7. It is hereby expressly clarified that all warranties (express or implied) in respect of the PRODUCT are provided by LG ELECTRONICS Inc. alone.

MEMO

MEMO
