



ENGLISH



UX245 | USER GUIDE

Please read this manual carefully before operating your mobile phone. Retain it for future reference.

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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. Give instructions for children to use the battery carefully.

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

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Thank you for choosing the advanced and compact UX245 cellular phone, designed to operate with the latest digital mobile communication technology, Code Division Multiple Access (CDMA) and Advanced Mobile Phone Service (AMPS). Along with the many advanced features of the CDMA system, this phone offers:

- Significantly enhanced voice clarity.
- **easyedge**SM Capability.
- Large, easy-to-read, 9-line backlit LCD with status icons.
- Paging, messaging, voice mail, and caller ID.
- 28-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 Spanish) capabilities.
- Bluetooth[®] wireless technology

Note

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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. 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.

TECHNICAL DETAILS

Technical Details

The UX245 is a tri-mode phone that operates on both (Code Division Multiple Access CDMA) frequencies: cellular services at 800 MHz and (Personal Communication Services PCS) at 1.9 GHz. Also, the UX245 works on Advanced Mobile Phone Service. We call it a tri-mode phone. Since the phone operates on Cellular, PCS and AMPS, the call fail rate is less than on a conventional dual-mode or single-mode phone.

CDMA technology uses a feature called DSSS (Direct Sequence Spread Spectrum) that enables the phone to keep communication from being crossed and to use one frequency channel by multiple users in the same specific area. This results in a 10-fold capacity increase when compared with analog mode. In addition, features such as soft / softer handoff, hard handoff, and dynamic RF power control technologies combine to reduce call interruptions.

The Cellular and PCS CDMA networks consist of MSO (Mobile Switching Office), BSC (Base Station Controller), BTS (Base Station Transmission System), and MS (Mobile Station).

* TSB-74: Protocol between an IS-95A system and ANSI J-STD-008

1xRTT system receives twice as many subscribers in the wireless section as IS-95. Its battery life is twice as long as IS-95. High-speed data transmission is also possible.

The following table lists some major CDMA standards.

CDMA Standard	Designator	Description
Basic Air Interface	TIA/EIA-95A	CDMA Tri-Mode Air Interface
	TSB-74	14.4kbps radio link protocol and inter-band operations
	ANSI J-STD-008	IS-95 adapted for PCS frequency
	TIA/EIA-IS2000	band cdma2000 1xRTT AirInterface
	ANSI TIA/EIA 553A	Advanced Mobile Phone Service
Network	TIA/EIA/IS-634	MAS-BS
	TIA/EIA/IS/651	PCSC-RS
	TIA/EIA/IS-41 -C	Intersystem operations
	TIA/EIA/IS-124	Non-signaling data comm.
Service	TIA/EIA/IS-96-B	Speech CODEC
	TIA/EIA/IS-99	Async Data and Fax
	TIA/EIA/IS-637	Short message service
	TIA/EIA/IS-657	Packet Data
	IS-801	Position Determination
	TIA/EIA/IS-707-A	Service (gpsOne) High Speed Packet Data
Performance	TIA/EIA/IS-97	Cellular base station
	TIA/EIA/IS-98	Cellular mobile station
	ANSI J-STD-018	PCS personal station
	ANSI J-STD-019	PCS base station
	TIA/EIA/IS-125	Speech CODEC

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 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 0.6 inches (1.5 cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.6 inches (1.5 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 0.6 inches (1.5 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 distance of 8 inches (20cm) must be maintained between the user / bystander and the vehicle-mounted external antenna to satisfy FCC RF exposure requirements. For more information about RF exposure, visit the FCC website at www.fcc.gov.

Caution

Use only the supplied and approved antenna. Use of unauthorized antennas or modifications could impair call quality, damage the phone, void your warranty and/or result in violation of FCC regulations.

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

PHONE OVERVIEW



1. **Earpiece** Lets you hear the caller.
2. **Flip** Open the case to answer an incoming call and close to end the call.
3. **LCD Screen** Displays messages and indicator icons.
4. **Left Soft Key** Use to display the function setting menu.
5. **SEND Key** Use to place or answer calls.
6. **Side Keys** Use to adjust the ringer volume in standby mode and the earpiece volume during a call.
7. **BACK Key** Press to delete a single space or character. Press and hold to delete entire words. Press this key once in a menu to go back one level.
8. **Voice Command Key** Use for quick access to Voice Command.
9. **Manner Mode Key** Use to set the Manner mode (from standby mode press and hold ***a** for about 3 seconds).
10. **Navigation Key** Use for quick access to Speaker, Calendar, **easyedge** Apps and Messaging.
11. **Right Soft Key** Use to select an action within a menu.
12. **Camera Key** Use for quick access to Camera function.
13. **END/PWR Key** Use to turn the power on/off and to end a call. Also use to return to the main menu display screen.
14. **Camera Key** Use for quick access to Camera function.
15. **Alphanumeric Keypad** Use to enter numbers and characters and select menu items.
16. **Lock Mode Key** Use in standby mode to set the lock function by pressing and holding the key **#a** for about 3 seconds.
17. **Microphone** Lets callers hear you.
18. **Camera Lens** Projects the object when taking a picture.
19. **Flash**
20. **Earphone Jack**
21. **Outside Display** Displays the inner LCD screen.
22. **Charger Port** Connects the charger to the phone.

MENUS OVERVIEW

Contacts

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

Messaging

1. New Text Message
2. New Picture Message
3. Inbox
4. Sent
5. Drafts
6. Voicemail
7. Settings
 1. Auto Save
 2. Auto Delete
 3. Text-Auto View
 4. Picture-Auto Receive
 5. Text-Callback #

6. Edit Voicemail

7. Entry Mode
8. Quick-Text
9. Text-Auto Play
0. Text Signature
8. Delete All
 1. Delete Inbox
 2. Delete Sent
 3. Delete Drafts
 4. Delete All Messages

Call History

1. Missed
2. Received
3. Dialed
4. All Calls
5. Call Timer
 1. Last Call
 2. Home Calls
 3. Roam Calls
 4. All Calls

6. Data Counter

1. Received Data
2. Sent Data
3. All Data

Multimedia

1. Take Picture
2. Record Voice

easyedgeSM

1. **easy**edge Apps
2. **easy**edge Info

My Media

1. Image
2. Audio

Bluetooth

1. Paired Devices
2. Power
3. My Visibility
4. Bluetooth Name
5. Bluetooth Info

Tools

1. Voice Command
2. Calendar
3. Alarm Clock
4. My Menu
5. World Clock
6. Notepad
7. Calculator

- 8. Ez Tip Calc
- 9. Stopwatch
- 0. Unit Converter

Settings


- 1. Sound
 - 1. Ringers
 - 2. Volume
 - 3. Message Alerts
 - 4. Alert Type
 - 5. Service Alerts
 - 6. Power On/Off Tones
- 2. Display
 - 1. Wallpaper
 - 2. Banner
 - 3. Backlight
 - 4. Menu Styles
 - 5. Languages
 - 6. Dial Fonts

- 7. Clocks
- 8. Color Schemes
- 3. Security
 - 1. Lock Phone
 - 2. Restrict Call
 - 3. Emergency #s
 - 4. Change Lock Code
 - 5. Reset Default
- 4. Call Settings
 - 1. Answer Options
 - 2. Auto Retry
 - 3. One-Touch Dial
 - 4. Voice Privacy
 - 5. Auto Volume
 - 6. Airplane Mode
 - 7. TTY Mode
- 5. System
 - 1. Network
 - 2. PC Connection
 - 3. Location

- 6. Memory
 - 1. Memory Status
 - 2. Media Status
 - 3. User memory
- 7. Phone Info.
 - 1. My Number
 - 2. SW Version
 - 3. Icon Glossary

MENUS OVERVIEW

Menu Access

Press Left Soft Key  **Menu** to access nine phone menus. There are two methods of accessing menus and submenus:

- Use the navigation key to highlight and select, or
- Press the number key that corresponds to the menu (or submenu).

For example:



1. Press Left Soft Key  **Menu** to display nine menu items.

Use  to scroll through the list of menus.


2. Press the appropriate number key corresponding to the menu item you want to select.

The submenu list will be displayed.

3. Press the appropriate number key corresponding to the submenu you want to access.

4. Use  to highlight your preferred setting, then press  to select it.

Note

Press  to go back one step (while accessing a menu or selecting a setting). Changes to settings will not be saved.

GETTING STARTED WITH YOUR PHONE

The Battery

Note

It is important to fully charge the battery before initial use of the phone.

The phone comes with a rechargeable battery. Keep the battery charged while not in use in order to maximize talk and standby time. The battery charge level is shown at the top of the LCD screen.

Installing the Battery

To install the battery, insert the battery into the opening on the back of the phone. Put the battery cover on the battery and push it slightly upwards.

Removing the Battery

Turn the power off. Press the Push button at the back of the phone. Pull the battery cover downward and remove it. Then remove the battery by pressing the upper area of it.

Charging the Battery

To use the charger provided with your phone:

Warning! Use only the charger provided with the phone. Using any charger other than the one included with the UX245 may damage your phone or battery..

1. Plug the end of the adapter into the phone's charger port and the other end into an electrical outlet.
2. The charge time varies depending upon the battery level.

GETTING STARTED WITH YOUR PHONE


Battery Charge Level

The battery charge level is shown at the top right of the LCD screen. When the battery charge level becomes low, the low battery sensor alerts you in three ways: sounding an audible tone, blinking the battery icon, and displaying **Low Battery**. If the battery charge level becomes exceedingly low, the phone automatically switches off and any function in progress is not saved.




Turning the Phone On and Off

Turning the Phone On

1. Install a charged battery or connect the phone to an external power source such as a cigarette lighter charger or hands-free car kit.
2. Press  for about 3 seconds until the LCD screen lights up.

Turning the Phone Off

1. Press and hold  until the display turns off.



Signal Strength

Call quality depends on the signal strength in your area. The signal strength is indicated on the screen as the number of bars next to the signal strength icon: The more bars, the better the signal strength. If the signal quality is poor, move to an open area. If you are in a building, the reception may be better near a window.

Screen Icons

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




Making Calls

1. Make sure the phone is turned on. If not, press  for about 3 seconds.
2. Enter the phone number (include the area code if needed).
3. Press  .
If the phone is locked, enter the lock code.

Call Failed - indicates the call did not go through.
Restricted - indicates outgoing calls are in restricted mode.

Note



If the phone is restricted, you can only dial phone numbers saved in the Emergency Numbers or your Contacts. To turn off this function:

Menu ->  Settings ->  Security -> Enter Lock Code ->  Restrict Calls -> Off -> OK


4. Press  to end the call.

GETTING STARTED WITH YOUR PHONE


Correcting Dialing Mistakes

If you make a mistake while dialing a number, press  once to erase the last digit entered, or hold down  for at least 2 seconds to go to the standby mode.



Redialing Calls

1. Press  twice to redial the last number you dialed. The last 30 numbers (dialing, incoming, missed for each) are stored in the call history list and you can also select one of these to redial.

Receiving Calls

1. When the phone rings or vibrates, press  to answer.



Note

If you press  or  (the side keys) while the phone is ringing, the ringing or vibration is muted for that call.

2. Press  twice to end the call.

QUICK ACCESS TO CONVENIENT FEATURES

Vibrate mode



Sets the phone to vibrate instead of ring (🔔 is displayed). To quickly set Vibrate mode press and hold . To return to Normal Mode, press and hold .

Lock Mode



Sets your phone to require your 4-digit password in order to use the phone.

Note

Until you change it, the lock code/password is the last 4 digits of your phone number.

To quickly lock your phone press  for three seconds. To cancel, press Left Soft Key  **Unlock** and enter the password.

Mute Function

The Mute Function doesn't transmit your voice to the caller. To quickly activate Mute press Left Soft Key  **Mute**, then to cancel press Left Soft Key  **Unmute**.

Volume Quick Adjustment

Use the side keys to adjust the earpiece and ringer volumes. The upper key increases the volume and the lower key decreases the volume.

- Earpiece volume can be adjusted during a call.
Ringer volume can be adjusted during a call.



Note

Key Tone Volume is adjusted through the Sound Volume (Menu -> 9 -> 1 -> 2 -> 2).

QUICK ACCESS TO CONVENIENT FEATURES

Call Waiting

Your cellular service may offer call waiting. While a call is in progress, two beeps indicate another incoming call. When call waiting is enabled, you may put the active call on hold while you answer the other incoming call. Check with your cellular service provider for information about this function.

1. Press  to receive a waiting call.
2. Press  again to switch between calls.

Caller ID

Caller ID displays the phone number or name of the incoming call. If the caller's identity is stored in Contacts, the name appears with the number. Check with your service provider to ensure they offer this feature.


Speed Dialing

Speed dialing is a convenient feature that allows you to make phone calls quickly and easily with a few keystrokes. Your phone recalls the number from your Contacts, displays it briefly, and then dials it. Speed Dial Number 1 (Unchangeable) is assigned to Voice Mailbox by default, but you can change it.

Dialing Single Digit Speed Dials (from 2 to 9)

Press and hold the Speed Dial number.

OR

Enter the speed dial number and press  .

Dialing Double Digit Speed Dials (from 10 to 99)

Press the first digit and then press and hold the key of the last digit.

OR

Enter the first and second digits and press  .

ENTERING AND EDITING INFORMATION

Text Input

You can input and edit your Banner, Schedule, Contacts, Notepad, and Messaging.

Key Functions



Left Soft Key:

Press to scroll through the following text input modes: T9Word (T9WORD/T9Word/T9word) -> Abc (ABC/Abc/abc) -> 123 -> Symbols.



Shift: Press to change case.

T9 text : T9Word -> T9WORD -> T9word

Abc text : Abc -> ABC -> abc



Next : In T9 mode, press to display other matching words.



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




Clear : Press to delete a single space or character. Hold to delete the whole message.



Punctuation : In T9 mode, press to insert punctuation in a word and complete a sentence.

Text Input Modes

There are five modes for entering text, numbers, special characters, and punctuation. In a text entry field, pressing Left Soft Key  displays a pop-up list of text modes.

T9Word (T9) Mode

Use to type text using one keystroke per letter. The phone translates keystrokes into common words by using the letters on each key and a compressed database.

Abc (Multi-tap) Mode

Use to add words to the T9 database.

123 (Numbers) Mode


Use to type numbers using one keystroke per number.

ENTERING AND EDITING INFORMATION

Symbols Mode

Use to insert special characters or punctuation. There are 38 special characters including “SP” which inserts a space and “LF” which forces the text to the next line.

Changing Letter Case

Using T9 and Abc text input modes you can set the capitalization. Press  to reach the following:

Initial Cap (T9Word/ Abc)

Only the first letter is capitalized and subsequent letters are lower case.

Caps Lock (T9WORD/ ABC)




All letters are capitalized.

Lower Case (T9word/ abc)







All letters are in lower case.

Text Input Examples







Display the text modes and select a text mode:

1. In a text entry field, press Left Soft Key  to display text modes.
2. Press  to use the text input mode you want to use.
3. Press  to select the text input mode.

Using Abc (Multi-tap) Text Input

1. Press Left Soft Key  to change to Abc mode.
2. Press  to change to ABC Caps Lock every time for capital letters.
3. Press     .
LG is displayed.

Using T9 Mode Text Input

1. Press Left Soft Key  to change to T9Word mode.
2. Press     .
3. Press  to complete the word and add a space.

4. Press **8** **4** **3** **#** **6** **3** **3** **4**
2 **3** **1**.

Call the office. is displayed.

Using the NEXT Key (In T9 Mode)

After you have finished entering a word, if the word displayed is not the one you want, press **0** to display additional choices of words from the database.

1. Press **4** **6** **6** **3**.


Good is displayed.

2. Press **0**.

The display gives you additional choices such as: Home, Gone, Hood, etc.


Adding Words to the T9 Database

If a word is not in the T9 database, add it using Abc (multi-tap) mode text entry.

1. Press Left Soft Key  to change to Abc (multi-tap) mode.

2. Press **2** **2** **6** **6** **6** **7**.

Bop is displayed.

3. Press Right Soft (or Left) Key  to change to T9 mode to add the word bop to the T9 database.

4. Press **BACK** to erase the existing word.

5. Press **2** **6** **7**.




cop is displayed.

CONTACTS IN YOUR PHONE'S MEMORY

Contacts Entries


This allows you to have easy access to your most frequently dialed phone numbers. You may store up to 500 entries with up to 5 phone numbers each. Each entry may be up to 22 characters.

The Basics of Storing Contacts Entries

1. From standby mode enter the phone number you want to save (up to 48 digits).
2. Press Left Soft Key  **Save**.
3. Press Left Soft Key and select either **Save New** or **Update Existing**.
4. Use  to highlight a Label and press .
Mobile 1/ Home/ Work/ Mobile 2/ Fax








Note

Use Update Existing to add another phone number to a contact already stored in memory.

5. Enter a name for the phone number (up to 22 characters) and press .
A confirmation message is displayed briefly.





Options to Customize Your Contacts






Once the basic phone number and name information is stored in your Contacts, you can edit and customize each entry.

1. Press Right Soft Key  **Contacts** and use  to highlight the contact entry you want to edit, then press  **View**.
2. Press Left Soft Key  **Edit** to access the Edit Contact screen.
3. Use  to highlight the information you want to customize, then press .
4. Press  **Save** when it's done.

Adding or Changing the Group










Allows you to manage your Contacts entries by organizing them into groups.

1. Press Right Soft Key  **Contacts** and use  to highlight an entry, then press .
2. Press Left Soft Key  to select **Edit**.

3. Use  to highlight **No Group**,  to select a group.
4. Use  to select the Group, then press .
**No Group/ Family/ Friends/ Colleagues/
Business/ School**
5. Press  **Save** to save the change.







Changing the Call Ringer

Allows you to identify who is calling, by setting different ringers for different phone numbers in your Contacts. It is automatically set to the default ringer when the Contact is saved.

1. Press Right Soft Key  **Contacts** and use  to highlight an entry, then press .
2. Press Left Soft Key  to select **Edit**.
3. Use  to highlight **Ringtone**, then press Left Soft Key  **List**.
4. Use  to select one of the Ringtone available, then press Left Soft Key  **Set**.
5. Press  **Save** to save the change.







Adding or Changing the Memo

Allows you to enter up to 32 characters as a memo to the Contact entry.





1. Press Right Soft Key  **Contacts** and use  to highlight an entry, then press .
2. Press Left Soft Key  to select **Edit**.
3. Use  to highlight **Memo**.
4. Enter text.
5. Press  **Save** to save the change.

Adding or Changing the Picture ID







Allows the phone to display an image to identify the caller.

1. Press Right Soft Key  **Contacts** and use  to highlight an entry, then press .
2. Press Left Soft Key  to select **Edit**.
3. Use  to highlight **Picture**.
4. Press Left Soft Key  **List** to see additional choices.

CONTACTS IN YOUR PHONE'S MEMORY

5. Use  to select one of the images available, then press .
6. Press Left Soft Key  **Set**.
7. Press  **Save** to save the change.







Adding Speed Dial

1. Press Right Soft Key  **Contacts** and use  to highlight an entry, then press .
2. Press Left Soft Key  to select **Edit**.
3. Use  to highlight the phone number you want to set with a Speed Dial, then press Right Soft Key  **Options**.
4. Select **Set Speed Dial**.

Editing Contacts Entries

Adding Another Phone Number








From standby mode

1. From standby mode enter the phone number you want to save (up to 48 digits).
2. Press Left Soft Key  **Save**.
3. Select **Update Existing**.
4. Use  to highlight the existing Contact entry, then press .
5. Use  to highlight a Label, then press .
Mobile/ Home/ Work/ Mobile2/ Fax
6. Press  to save Contact.







Default Numbers

The phone number saved when a Contact is created is the Default Number. If more than one number is saved in a Contact entry, another number can be designated as the Default Number.




Changing the Default Number

1. Press Right Soft Key  **Contacts** to display your Contacts alphabetically.
2. Use  to highlight the Contact entry you want to edit, then press .
3. Press Left Soft Key  to select **Edit**.
4. Use  to highlight the phone number you want to set as the Default Number, then press Right Soft Key  **Options** and  **Set As Default**.





Editing Stored Phone Numbers

1. Press Right Soft Key  **Contacts** to display your Contacts alphabetically.
2. Use  to highlight the Contact entry you want to edit, then press .
3. Press Left Soft Key  **Edit**.
4. Use  to highlight the phone number.
5. Edit the phone number as necessary, then press .

Editing Stored Names







1. Press Right Soft Key  **Contacts** to display your Contacts alphabetically.
2. Use  to highlight the Contact entry you want to edit, then press .

CONTACTS IN YOUR PHONE'S MEMORY

3. Press Left Soft Key  to select **Edit**.
4. Use  to highlight the name.
5. Edit the name as necessary, then press .
6. Press  **Save** to save the change.







Editing Customized Options

Edit any of the Contacts options in the same manner as when the Contact is created.

1. Press Right Soft Key  **Contacts** to display your Contacts alphabetically.
2. Use  to highlight the Contact entry you want to edit, then press .
3. Press Left Soft Key  to select **Edit**.
4. Use  to highlight the information you want to customize.
5. Edit the information as necessary.
6. Press  **Save** to save the change.


Deleting

Deleting a Contact Entry or a Phone Number from a Contact

1. Press Right Soft Key  **Contacts** to display your Contacts alphabetically.
2. Use  to highlight the Contact entry, then press .
3. Press Right Soft Key  **Options**.
4. Select  **Delete**.
5. Select  **Yes**.

A confirmation message is displayed.


Additional Ways to Delete a Contact

At any time when your Contacts are displayed, the Right Soft Key  **Options** allows you to erase the highlighted entry.

Phone Numbers With Pauses

When you call automated systems such as voice mail or credit billing numbers, you often have to enter a series of numbers. Instead of entering these numbers by hand, you can store the numbers in your Contacts separated by special pause characters (P, T). There are two different types of pauses you can use when storing a number:






Wait (W)

The phone stops dialing until you press Left Soft Key  **Release** to advance to the next number.

Pause (P)










The phone waits 2 seconds before sending the next string of digits.

Storing a Number with Pauses

1. Press Left Soft Key  **Menu**.
2. Press  **Contacts**.
3. Press  **New Contact**.
4. Enter the name (up to 22 characters) and enter a number.
5. Press Right Soft Key  **Options** and select **2-sec pause**.
6. Enter additional number(s) then press .

CONTACTS IN YOUR PHONE'S MEMORY

Adding a Pause to an Existing Number



1. Press Right Soft Key  **Contacts** to display your Contacts alphabetically.
2. Use  to highlight the Contact entry to edit, then press .
3. Press Left Soft Key  **Edit**.
4. Use  to highlight the number.
5. Press Right Soft Key  **Options**.
6. Press  **Wait** or  **Pause**.
7. Enter additional number(s), then press .

Searching Your Phone's Memory


The UX245 phone is able to perform a dynamic search of the contents in your phone's memory. A dynamic search compares entered letters or numbers against the entries in your Contacts. A matching list is displayed in descending order. You can then select a number from the list to call or edit. There are several ways to search:

- Scrolling Alphabetically
- Searching by Letter





Scrolling Through Your Contacts


1. Press Right Soft Key  **Contacts** to display your Contacts alphabetically.
2. Use  to scroll through the list.


Searching by Letter

1. Press Right Soft Key  **C**ontacts to display your Contacts alphabetically.
2. Press (or press repeatedly) the key on the keypad that corresponds with the search letter.

Searching Options


1. Press Right Soft Key  **C**ontacts.
2. Press Right Soft Key  **O**ptions.
3. Select the search criteria (use  then press , or press the corresponding number on the keypad):

1  **Send Message** - Send a text message or photo message to the selected contact.

2  **Delete** - Delete the selected entry in your Contacts.

3  **Edit** - Edit the selected contact information.


4  **Delete All** - Deletes all contacts.

5  **Send via Bluetooth** - Send a contact(vCard) via *Bluetooth*. In case *Bluetooth* power is not on, a notice pops up to turn *Bluetooth* on.






CONTACTS IN YOUR PHONE'S MEMORY

Making a Call From Your Phone's Memory





Once you have stored phone numbers in your Contacts, you can place calls to those numbers quickly and easily.

- By pressing  after searching for a phone number in Contacts or Recent Calls and highlighting it.
- By using Speed Dialing



From Contacts

1. Press Right Soft Key  **Contacts** to display your Contacts alphabetically.
2. Use  to select the Contact entry, then press .
3. Use  to select the phone number.
4. Press  to place the call.



From Recent Calls

1. Press Left Soft Key  **Menu**.
2. Press  **Call History**.
3. Use  to select the type of recent call, then press .

Missed/ Received/ Dialed/ All Calls

4. Use  to select the phone number.
5. Press  to place the call.



Speed Dialing

For a single-digit Speed Dial, press and hold the digit or press the digit, then press . For a double-digit Speed Dial, press the first digit and hold the second digit or press the first and second digits, then press .

Contacts

The Contacts Menu allows you to store names, phone numbers and other information in your phone's memory. When you access your Contacts, the number in parentheses represents the number of entries you have stored (up to 500).

Access and Options

1. Press Left Soft Key  Menu.
2. Press  Contacts.
3. Select a submenu.



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









1. New Contact

Allows you to add a new contact to your Contacts.







Note

Using this submenu, the number is saved as a new Contact. To save the number into an existing Contact, edit the Contact entry.

1. Press Left Soft Key , , .
2. Enter the name, then press .
3. Select the information you want and press .
4. Enter the number, then press .
5. Continue saving the entry as necessary.









2. Contact List

Allows you to view your Contacts list.

1. Press Left Soft Key , **1** , **2** .
2. Options from here:
 - Press  to scroll through your Contacts alphabetically.
 - Press Right Soft Key  **Options** to select one of the following:
Send message/ Delete/ Edit/ Delete All/ Send via Bluetooth
 - Press Left Soft Key  **New** to store new contact information.










3. Groups

Allows you to view your grouped Contacts, add a new group, change the name of a group, or delete a whole group.

1. Press Left Soft Key , **1** , **3** .
2. Options from here:
 - Use  to highlight a group to view, then press .
 - Press Left Soft Key  **New** to add a new group to the list.
 - Use  to highlight a group, then press Right Soft Key  **Options** to change the name of the group or delete the group.
Delete/ Send Message/ Rename Group/ Set Ringtone/ Delete All

4. Speed Dials






Allows you to view your Speed Dials list, designate new Speed Dials, or remove Speed Dial designations entered in your Contacts.

1. Press Left Soft Key , **1** , **4** .
2. Use  to highlight the Speed Dial position (or enter the Speed Dial digit), then press .
3. Use  to highlight the Contact, then press .
4. Use  to highlight the number, then press .

A confirmation message is displayed.

5. My Name Card

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


1. Press Left Soft Key , **1** , **5** .
2. Use  to select the feature you want to edit.
3. Edit the information as necessary and press .

Note

You cannot edit phone number, but you can add an additional phone number.

Messaging



Access and Options

1. Press Left Soft Key  Menu.
2. Press **2 abc** Messaging.
3. Select a submenu.



1. **New Text Message:** Sends a message.
2. **New Picture Message:** Sends a picture message.
3. **Inbox:** Shows the list of received messages.
4. **Sent:** Shows the list of sent messages.
5. **Drafts:** Shows the list of saved and draft messages.
6. **Voicemail:** Shows the number of messages in voice mailbox.
7. **Settings:** Sets the way of sending and receiving messages.
8. **Delete All:** Deletes all stored messages.

Text messages, pages, and the voice mailbox become available as soon as the phone is powered on.

- Check types of messages by pressing the message key .
- Make a call to the callback number by pressing Send Key  during an Inbox message check.
- Read and edit messages saved in the outbox after transmission and resend them.

The phone can store up to 385 messages (50 inbox text messages, 50 picture messages, 100 picture notification messages, 50 text outbox messages, 50 picture messages, 15 text draft messages, 15 picture draft messages). The UX245 supports up to 160 characters per message. 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

There are three ways your phone alerts you to new messages.

1. The phone displays a message on the screen.
2. One of eight ring types is heard, if selected.
3. 2 min reminder







Note

If you receive the same message twice, your phone deletes the older one and the new one is stored as a Duplicate.

1. New Text Message

Allows you to send text messages, pages, and e-mail transmissions. Each message has a destination (Address 1) and information (Message). These are dependent upon the type of message you want to send.


The Basics of Sending a Text Message

1. Press Left Soft Key , **2 abc**, **1** .
2. Enter the recipient's address, then press .
3. Press  to access the message screen.
4. Type your message (text or e-mail), then press .
5. Press  **Send**.

A confirmation message is displayed.

MESSAGING

Customizing the Text Message Using Options

1. Create a new message.
2. Press Right Soft Key  Options.
3. Select the option(s) to customize.

Contacts Contacts to select a recipient from your Contacts list.

Recent Calls Recent calls to select a recipient from your Recent calls.

Recent Messages Inbox/ Sent

Groups Group to select a recipient from your Group.




Family/ Friends/ Colleagues/
Business/ School/ No Group

Cancel Cancels editing your message.

4. Complete and send the message.

Text Options

While you are composing the text of a message you can insert customized text.

1. Create a new message.
2. Use  to highlight Message, and then press .
3. Press Right Soft Key  Options.
4. Select the option(s) to customize.

Add Quick-Text/ Signature

Save As Draft/ Quick-Text

Priority Level Normal/ High

Callback# On/ Off



Delivery Notice Enhanced/ Normal

Cancel Cancels editing your message.

5. Complete and send or save the message.















Message Icon Reference

Text Message

	Multi_Msg_Delivered
	Multi_Msg_Failed
	Multi_Msg_Incomplete
	Multi_Msg_Pending
	Multi_Msg_Sent
	Readtextmessage_Urgent
	Readtextmessage
	Sent_Message_Delivered
	Sent_Message_Failed
	Sent_Message_Pending
	Sent_Message
	Unread
	Unread_Urgent
	Lock

2. New Picture Message

Allows you send messages with Text, Picture and Sound.

1. Press Left Soft Key , , .
2. Use Right Soft Key  **Options** to search the contacts destination.
3. Enter the recipient's address, then press .
4. Press  to access the message screen.
5. Type your message (text or e-mail), then press .
6. With the highlight on **Image**, press Left Soft Key  **Add**.
7. Use  to highlight a picture, then press Left Soft Key  **Set**.
8. With the highlight on **Audio**, press Left Soft Key  **Add**.
9. Enter the **Subject**, then press .
10. Press Right Soft Key  **Options**.
11. Select the option(s) to customize.
12. Press  to send.

MESSAGING

* Editing the Receiver

Contacts/ Recent Calls/ Recent Messages/
Groups/ Online Album/ Cancel

* Editing the Text

Preview Shows your message before sending.

Add Quick-Text/ Signature/ Slide

Go to Previous Slide/ Next Slide

Save As Draft/ Quick-Text

Priority Level Normal/ High

Delivery Notice Informs you that the message has
been successfully delivered to the
recipient.
Enhanced/ Normal

Remove Image/ Audio/ Slide

Cancel Cancels the contents of message
field.

* Editing Image

Preview/ Add Slide/ Go To/ Save As Draft/
Priority Level/ Delivery Notice/ Remove/ Cancel

* Editing Audio

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

* Editing Subject


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


12. Complete and send the message.

Message Icon Reference

Picture Message

 MMS_Unread

 Msg_Delivered

 Msg_Failed_MMS

 Msg_MMS_Read_Urgent

 Msg_MMS_Read

 Msg_MMS_Urgent

 Msg_Sent_MMS

 Multi_Add_Failed_MMS


 Multi_Add_Incomplete

 Read_MMSnoti

 Unread_MMSnoti

3. Inbox

The phone alerts you in 2 ways when you receive a new message by:

- Displaying a message notification on the screen.
- Displaying the message icon  (It blinks when the message is urgent).









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

Out of Memory Warning

If the memory is full, no more messages can be received until enough memory space becomes available. When there is no space to save text messages, **Inbox Full Text Message 100%. Please erase old messages.** is displayed. For MMS messages, **Inbox Full! Picture 100%.** For picture message notifications, **Notification Msg 100% Full Delete notification from inbox now to receive new noti.** is displayed. When your Auto Delete is on, the messages are received even when the memory is full.

Viewing Your Inbox

Up to 50 received messages can be stored in the Inbox.

1. Press Left Soft Key , **2 abc**, **3 def**.
2. Use  to highlight an Inbox message.
 - Left Soft Key  **Reply** complying with the kinds of messages(text/picture).
 - Right Soft Key  **Options**.
3. Use  to highlight an Inbox message, then press .
4. While viewing the selected message, press Left Soft Key  **Reply** or Right Soft Key  **Options**.

Options from here:









- | | |
|---------------------|---|
| Delete | Deletes the selected message. |
| Forward | Forwards a received message to other destination address(es). |
| Save Contact | Stores the callback number, e-mail address, and numbers in user data included in the received message into your |

MESSAGING

- Lock** Contacts.
Locks or unlocks the selected message.
- Message Info** Shows the message type priority and status.
- Delete Multiple** Selective/ All

4. Sent





Up to 50 sent messages or picture messages can be stored in the Outbox. View lists and contents of sent messages and verify whether the transmission was successful or not.

1. Press Left Soft Key , **2 abc**, **4 ghi**.
2. Use  to highlight an Outbox message.
 - Press Left Soft Key  **Resend**.
 - Press Right Soft Key  **Options**.
3. Use  to highlight an Outbox message, then press . While viewing the selected Outbox message, press Left Soft Key  **Resend** to or press Right Soft Key  **Options**.

- Delete** Deletes the selected message.
- Forward** Forwards a received message to other destination address(es).
- Save Contact** Stores the callback number, e-mail address, and numbers in user data included in the received message into your Contacts.
- Lock** Locks or unlocks the selected message.
- Message Info** Shows the message type priority and status.
- Delete Multiple** Selective/ All

5. Drafts

Displays saved messages and draft messages.

1. Press Left Soft Key , **2** abc, **5** Ml.
2. Use  to highlight a Saved message.
 - Press  **Edit**.
 - Press Right Soft Key  **Options**.

Delete Deletes the selected message from the Drafts.

Save Contacts Save New/ Update Existing




Lock Locks a message so that it is not erased if the Erase Saved or Erase All feature is used.

Delete Multiple Selective/ All

6. Voicemail






Allows you to view new voice messages recorded in the voice mail box. Your phone will alert you when you receive a new voice message.

Checking Your Voicemail Box

1. Press Left Soft Key , **2** abc, **6** mnd.
2. Options from here:
 - Press Left Soft Key  **Clear** to delete information, then select Clear Count.
 - Press  to listen to the message(s).

7. Settings

Allows you to configure 9 settings for received messages.

1. Press Left Soft Key , , .
2. Use  to highlight one of the settings and press  to select it.

Message Settings Submenu Descriptions

7.1 Auto Save

Allows you to automatically save sent messages in your Outbox. You can choose Auto Save, Prompt, or Do Not Save. (Auto Save/ Prompt/ Do Not Save)

7.2 Auto Delete

With this feature on, read messages (except locked messages) are automatically deleted when you exceed the storage limit. (On/ Off)

7.3 Text-Auto View

Allows you to directly display the content when receiving a message. (On/ Off)

7.4 Picture-Auto Receive

Allows you to set photos to be received automatically. (On/ Off)

7.5 Text-Callback

Allows you to automatically send a designated callback number when you send a message. Allows you to manually enter the number. (On/ Off/ Edit)

7.6 Edit Voicemail

Allows you to manually enter the number for Voice Mail Service. This number should be only used when a VMS access number is not provided from the network. (Edit Voicemail #)

7.7 Entry Mode

Allows you to select the default input method. (T9Word/ Abc/ 123)

7.8 Quick-Text

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

7.9 Text-Auto Play

With this feature on, the display automatically scrolls down while viewing messages. (On/ Off)





7.0 Text Signature

Allows you designate a signature to automatically send with your messages. You can create a custom signature line or use your Contact Info.
(On/ Off/ Edit)

8. Delete All

Allows you to erase all the messages stored in your Inbox, Sent, or Saved messages folders. You can also erase all messages at the same time.

1. Press Left Soft Key , , .


- Press  **Delete Inbox** to erase all messages stored in the Inbox.
- Press  **Delete Sent** to erase all messages stored in the Outbox.
- Press  **Delete Drafts** to erase all messages stored in the Saved messages folder.
- Press  **Delete All Messages** to erase all messages stored in the Inbox, Outbox, and Saved messages folder.

CALL HISTORY



Call History

The Recent Calls Menu is a list of the last phone numbers or Contact entries for calls you placed, accepted, or missed. It is continually updated as new numbers are added to the beginning of the list and the oldest entries are removed from the bottom of the list.

Note

To view a quick list of all your recent calls, press Send Key  from standby mode.

Access and Options





1. Press Left Soft Key  Menu.
2. Press  Call History.
3. Select a submenu.



1. Missed
2. Received
3. Dialed
4. All Calls
5. Call Timer
6. Data Counter



1. Missed

Allows you to view the list of missed calls; up to 30 entries.

1. Press Left Soft Key , , .
2. Use  to highlight an entry.







2. Received

Allows you to view the list of incoming calls; up to 30 entries.

1. Press Left Soft Key , **3 def**, **2 abc**.
2. Use  to highlight an entry.


3. Dialed

Allows you to view the list of outgoing calls; up to 30 entries.

1. Press Left Soft Key , **3 def**, **3 def**.
2. Use  to highlight an entry.
 - Press  to view the entry.
 - Press Send Key  to place a call to the number.
 - Press Right Soft Key  **Options** (for call lists) to select **Save/ Delete/ Call/ Delete All/ View Timer**.
 - Press End Key  to return to the standby mode.




4. All Calls

Allows you to erase selected call list(s).

1. Press Left Soft Key , **3 def**, **4 ght**.
2. The history of all calls are displayed.

5. Call Timer




Allows you to view the duration of selected calls.

1. Press Left Soft Key , **3 def**, **5 jkl**.
2. Use  to highlight a call list, then press .

Last Call/ Home Calls/ Roam Calls/ All Calls

6. Data Counter

Allows you to view the list of received and transmitted data calls.



1. Press Left Soft Key , **3 def**, **6 mno**.
2. Use  to highlight a data call list, then press .

Received Data/ Sent Data/ All Data

Multimedia

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

Access and Options

1. Press Left Soft Key  **Menu**.
2. Press  **Multimedia**.
3. Select a submenu.



1. Take Picture
2. Record Voice






1. Take Picture

1. Press Left Soft Key , , .

Note

Pressing the side Camera key from standby mode is a hot key to Take Photo.



2. Set the brightness , zoom  and press Right Soft Key  **Options** to change other settings.

- Select the option(s) to customize.

Resolution	640X480/ 320X240/ 176X144
Quality	Fine/ Normal/ Economy
Zoom	
Brightness	
Flash	Always On/ On This Shot/ Off
Night Mode	On/ Off
Self Timer	3 seconds/ 5 seconds
White Balance	Auto/ Sunny/ Cloudy/ Tungsten/ Fluorescent
Filter Effects	Color/ Sepia/ Mono/ Negative/ Vivid
Shutter sound	None/ Sound 1/ Sound 2

Note



When the Flash is On, take the photo within 12 inches of the subject.

3. Take a picture by pressing .
4. Press  **Save**.

The picture is stored in **Picture Album**.







Using the Side Camera Key

You can use the Side Camera Key  to use the sub menu list.

1. Press the Side Camera Key  for about 3 seconds to enter the Take Picture mode.
2. Take a picture by pressing Side Camera Key .

2. Record Voice

Allows you to add, listen to, and erase short verbal reminders.

1. Press Left Soft Key , , .
2. Press  **Record** to record a new voice memo.
3. Talk into the microphone, then press  **Stop**.
The default memo title is the date and time of recording.
4. While the highlight is still on the recording, press Right Soft Key  **Options** to access the following:

Set As/ Rename/ Delete

easyedgeSM

easyedgeSM allows you to do more than just talk on your phone. **easyedge** is a technology and service that allows you to download and use applications on your phone. With **easyedge**, it is quick and easy to personalize your phone to your lifestyle and tastes. Just download the applications that appeal to you including ringtones, games to productivity tools, you can find something useful, practical, or down right entertaining. There are new applications constantly available for your use.

Downloading Applications


You can download applications and use **easyedgeSM** where service is available.

Incoming Calls

While downloading an application, incoming calls will automatically be sent to your voice mail, if available. If you do not have voice mail, downloading will not be interrupted by an incoming call, and the caller will receive a busy signal.

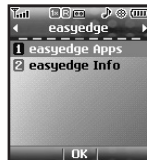
When using applications, an incoming call will automatically pause the application and allow you to answer the call. When you complete your call, you can resume using the application.

Access and Options

1. Press Left Soft Key  **Menu**.
2. Press **5** **easyedgeSM**.
3. Select a submenu.







1. **easyedge Apps**
2. **easyedge Info**




1. easyedge Apps

Allows you to download selected applications while displaying the entire application list retrieved from the **easyedgeSM** server connection.





1. Press Left Soft Key , **5** , **1** .
2. Press .

Short Cut

Pressing the right arrow key  will start **easyedgeSM**.

2. easyedge Info

Gives you information about the **easyedgeSM** selection key.









1. Press Left Soft Key , **5** , **2** .
2. Press .

Managing Your easyedgeSM Applications

Add new applications and remove old ones at any time.

Removing Applications

Only removing an application deletes it completely from the memory of the phone. To restore an application once it has been removed will require that download it again, this may incur additional charge.


1. Access **easyedgeSM**.
2. Use  to select **Settings**, then press .
3. Use  to highlight **Manage Apps**, then press .
4. Use  to highlight the application to be deleted, then press .
5. Use  to select **Remove**, then press .

MY MEDIA

My Media

This menu allows you to use a wide variety of images, sounds, and more.

Access and Options

1. Press Left Soft Key  Menu.
2. Press **6**^{mno} My media.
3. Select a submenu.






1. Image
2. Audio



1. Image

Allows you to choose images to your phone to display as the background image displayed on the phone.

1. Press Left Soft Key , **6**^{mno}, **1**^{cd}.
2. Use  to highlight your selection, then press .

2. Audio

Allows you to choose audio clips.

1. Press Left Soft Key , **6**^{mno}, **2**^{abc}.



Bluetooth®

The UX245 is compatible with devices that support the *Bluetooth* headset and hands-free profile(s)*. You may create and store 20 pairings within the UX245 and connect to one device at a time. The approximate communication range for *Bluetooth* wireless technology is up to 30 feet (10 meters).

Note

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

Access and Options

1. Press Left Soft Key  Menu.
2. Press  **Bluetooth®**.
3. Select a submenu.



1. Paired Devices
2. Power
3. My Visibility
4. Bluetooth Name












5. Bluetooth Info

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 new Bluetooth® device

1. Press Left Soft Key , , .
2. Follow the *Bluetooth* accessory instructions to set the device to pairing mode.
3. Press Left Soft Key  for New. Select New Search  and press .
4. If *Bluetooth* power is set to off, you will be prompted to turn power on. Select Yes .






5. The device will appear in the Found Devices menu once it has been located. Highlight the device and press .
6. The handset will prompt you for the passkey. Consult the *Bluetooth* accessory instructions for the appropriate passkey (typically “0000” - 4 zeroes). Enter the passkey and press .

Phone does not support *Bluetooth* OBEX Profiles.

7. Once pairing is successful, select Yes  and press  to connect with the device.
8. Once connected, you will see the device listed in the Paired Devices menu and the *Bluetooth* connected icon  will show up on your idle screen.

2. Power

Allows you to set the power On/Off.






1. Press Left Soft Key , , .
2. Use  to select a setting, then press .
On/ Off

Note

By default, your device's *Bluetooth* functionality is turned off.

3. My Visibility

Allows you to set Yes/No.


1. Press Left Soft Key , , .
2. Use  to select a setting, then press .
Visible/ Hidden

Note

If you turn on Visible, your device is able to be searched by other in-range *Bluetooth* devices.

4. Bluetooth Name

Allows you edit the name of the *Bluetooth* device.

1. Press Left Soft Key , **7** PQRS, **4** ghi.
2. Press **BACK** to clear the existing name.
3. Use the numeric keypad to enter a new custom name.
4. Press **OK** to save and exit.

5. Bluetooth Info



Allows you to view the information of the *Bluetooth*.

1. Press Left Soft Key , **7** PQRS, **5** jkl.

Tools

Your phone tools include a Voice Command, Calendar, Alarm Clock, My Menu, World Clock, Notepad, Calculator, Ez Tip Calc, Stopwatch and Unit Converter.

Access and Options




1. Press Left Soft Key  **Menu**.
2. Press  **Tools**.
3. Select a submenu.



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

1. Voice Command

Allows you to make phone calls quickly and easily by voice. Your phone recalls the number from your Contacts, displays it briefly, and then dials it. This menu also includes feature for those who are in driving or blind. It delivers time information by voice and allows to check out the missed calls, messages and voicemails.

1. Press Left Soft Key , , .
2. When prompted, say "Call Someone".
3. When prompted, say the name of the Contact you want to call. The phone will ask you to confirm the name before dialing.
4. Also, you can dial any number not to speak of the listed contact. Press the 4,7,10,11 digit numbers continuously.





Call Someone/ Digit Dial/ Voicemail/
Missed Calls/ Messages/ Time & Date

2. Calendar

Allows you to conveniently keep and access your agenda(s). Simply store your appointments and your phone will alert you with a reminder of your appointment.

1. Press Left Soft Key , **8** tuv, **2** abc.

2. Use  to highlight the scheduled day.

-  Moves cursor to the left.
-  Moves cursor to the right.
-  Moves to the previous week.
-  Moves to the next week.

3. Press Left Soft Key  **New**.

4. Enter your schedule information including:

- Time
- Topic
- Reminder
- Repeat
- Set Period
- Ringtone

5. Press  **Save**.

3. Alarm Clock

Allows you to set one of five alarms. The current time is displayed at the top of the screen when you select an alarm to set. At the alarm time, Alarm 1 (or 2 or 3, as applicable) will be displayed on the LCD screen and the alarm will sound.

1. Press Left Soft Key , **8** tuv, **3** def.

2. Use  to highlight the alarm time.

3. Set the time for alarm.

4. Use  to highlight Once (recurring setting).

5. Press  to select one of the following.

Once/ Daily/ Mon - Fri/ Weekends








6. Use  to highlight Alarm Tone (ring type setting).

7. Press Left Soft Key  to set an alarm ring type.

8. Press  **Save**.






4. My Menu

Gives you access to favorite menu quickly by customizing your menu. Max 12 items can be stored in My Menu.

1. Press Left Soft Key , **8** , **4** .
2. Select the menu of your choice by using , then press .
3. Select the Menu to add to My Menu with , then press .





5. World Clock

Allows you to determine the current time in another time zone or country.

1. Press Left Soft Key , **8** , **5** .
2. Press  **Cities** to move the time bar across the world map and display the date/time in that location.
3. Press Left Soft Key  **Set DST**.





6. Notepad





Allows you to add, read, edit, and erase notes to yourself.

1. Press Left Soft Key , **8** , **6** .
2. Press Left Soft Key  **New** to write a new note.
3. Type the note, then press .

A confirmation message displays briefly, then displays your list of notes.





Viewing a Notepad Entry




1. Access Notepad and highlight the entry.
2. To erase, press Right Soft Key  **Options**.
 -  **Delete**
 -  **Edit**
 -  **Delete all**

To edit highlight the entry, then press  **View** and press Left Soft Key  **Edit**. Or press Right Soft Key  **Options** and  **Edit**.

7. Calculator

Allows you to perform simple mathematical calculations. You can enter numbers up to the fifth decimal place.

1. Press Left Soft Key , , .
2. Enter data.
 - Use keypad to enter numbers.
 - Use  to enter decimals.

- Press Left Soft Key  to clear the entry.
- Press Right Soft Key  to enter operators.
- Use Navigation Key to enter function.
- Press  to complete equation.



8. Ez Tip Calc

Allows you to quickly and easily estimate the initial amounts for a bill with the calculated amount of the bill, the amount and percentage of the tip, and the number of people as variables.

1. Press Left Soft Key , , .

9. Stop Watch

Stopwatch is available just as common stopwatches we see and use in daily life.

1. Press Left Soft Key , **8** lap, **9** msvc.
2. Press **OK** **Start** to start, and press **OK** **Stop** to stop.
 - You can use the Lap function using Right Soft Key **Lap**. Max. 20 lap time is available. And lap time can be recorded.
3. Press Left Soft Key  **Reset** to reset.

0. Unit Converter



Allows you to measure Length, Area, Mass, Volume and Temperature.

1. Press Left Soft Key , **8** lap, **0** next.

Settings

The Settings Menu has options to customize your phone.

Access and Options

1. Press Left Soft Key  Menu.
2. Press  Settings.
3. Select a submenu.



1. Sound
2. Display
3. Security
4. Call Settings
5. System
6. Memory
7. Phone Info.









1. Sound

Options to customize the phone's sounds.







1.1 Ringers

Allows you to assign ring tones for incoming calls.

1. Press Left Soft Key , , , .
2. Select All Calls/ Caller ID/ No Caller ID/ Restricted Calls.
3. Use  to select a ringer, then press .

1.2 Volume




Allows you to set various volume settings.

1. Press Left Soft Key , , , .
2. Select Master Volume/ Key Tone Volume/ Earpiece Volume/ Speaker Volume.
3. Use  to adjust the volume of the ringer, then press  to save the setting.

SETTINGS



1.3 Message Alerts

Allows you to select the alert tones type for a new message.

1. Press Left Soft Key , **9**msg, **1**ok, **3**ok.
2. Select Text Messages/ Picture Messages/ Voicemail/ All Messages/ Message Reminder.
3. Use  to select a setting, then press .

1.4 Alert Type

Allows you to select the Key Tone type.

1. Press Left Soft Key , **9**msg, **1**ok, **4**shl.
2. Select a tone style, then press .
Call Alert/ Message Alert/ Schedule Alert/
Alarm Alert

1.5 Service Alerts

Allows you to set any of the 5 Alert options to On or Off.

1. Press Left Soft Key , **9**msg, **1**ok, **5**hl.
2. Select an alert option.

1.5.1 Minute Beep

Alerts you 10 seconds before the end of every minute during a call.

1.5.2 Call Connect

Alerts you when the call is connected.



1.5.3 Back To Top

Alerts you when you scroll through the end of a menu list.

3. Use  to set On/ Off, then press .

1.6 Power On/Off Tones

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









1. Press Left Soft Key , **9**msg, **1**ok, **6**mno.
2. Use  to set to On/ Off, then press .

2. Display

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.

1. Press Left Soft Key , **9** , **2** , **1** .
2. Select **Main Screen/ Front Screen**, then press .
3. Select from different screens, then press .
4. Press .
5. Press Left Soft Key  **Set**.






2.2 Banner

Allows you to enter a string of up to 12 characters which display on the LCD screen.

1. Press Left Soft Key , **9** , **2** , **2** .
2. Select **Main Screen/ Front Screen**, then press .
3. Enter your banner text, then press .

2.3 Backlight






Allows you to set the duration for illuminating the backlight.

1. Press Left Soft Key , **9** , **2** , **3** .
2. Choose a submenu, then press .

1  **Main Screen/** **2**  **Front Screen/**
3  **Keypad**

2.4 Menu Style




Allows you to view the Menu as an Icon or List display.

1. Press Left Soft Key , **9** , **2** , **4** .
2. Select **Icon or List** and press .

SETTINGS




2.5 Languages

Allows you to set the bilingual feature according to your preference. Choose between English and Spanish.

1. Press Left Soft Key , **9** wxyz, **2** abc, **5** hi.
2. Use  to select **English** or **Spanish**, then press .



2.6 Dial fonts

Allows you to set the size and color of the font only for calling digits and text editor.

1. Press Left Soft Key , **9** wxyz, **2** abc, **6** mno.
2. Select a submenu.
Normal/ Large
3. Press  to choose a setting, then press  to save.

2.7 Clocks

Allows you to select the type of clocks displayed on the main LCD or sub LCD.



1. Press Left Soft Key , **9** wxyz, **2** abc, **7** pqrs.
2. Choose a clock submenu and press .

Main Screen/ Front Screen

3. Use  to choose a clock setting, then press .

2.8 Color Schemes

Allows you to choose the color of the background screen.

1. Press Left Soft Key , **9** wxyz, **2** abc, **8** tuvw.
2. Select **Style 1/ Style 2/ Style 3**, then press .



3. Security

The Security menu allows you to secure the phone electronically.

3.1 Lock Phone

Keeps your phone from unauthorized use. Once the phone is locked, it is 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 New Lock code within the Security menu.

1. Press Left Soft Key , **9**^{msg}, **3**^{def}.
2. Enter the four-digit lock code and press .

The default lock code is commonly the last 4 digits of your phone number.

3. Press **1**[☎] **Lock Phone**.
4. Select the options.



Unlock The phone is never locked (Lock mode can be used).

Lock The phone is always locked.

When locked, you can receive incoming calls and make only emergency calls.

On Power Up

The phone is locked when it is turned on.





5. Use  to select an option, then press .

3.2 Restrict Calls

Allows you to restrict incoming and outgoing calls.

Note



You can receive the incoming calls from saved contacts on your phone, when Incoming Only is on.

1. Press Left Soft Key , **9**^{msg}, **3**^{def}.
2. Enter the four-digit lock code and press .
3. Press **2**^{abc} **Restrict Calls**.
4. Use  to select On/Off, then press .

SETTINGS


3.3 Emergency #s

Allows you to enter 3 emergency numbers. You can call these emergency numbers and 911, even when the phone is locked or restricted.

1. Press Left Soft Key , **9** WXYZ, **3** DEF.
2. Enter the four-digit lock code.
3. Press **3** DEF **Emergency #s**.
4. Press  to edit the emergency numbers.



3.4 Change Lock Code

Allows you to enter a new four-digit lock code.

1. Press Left Soft Key , **9** WXYZ, **3** DEF.
2. Enter the four-digit lock code.
3. Press **4** GHI **Change Lock Code**.
4. Enter a new 4-digit lock code.
5. For confirmation, it will ask you to enter the new lock code again.

3.5 Reset Default

Allows you to reset your phone to the factory default settings.

1. Press Left Soft Key , **9** WXYZ, **3** DEF.
2. Press **5** JKL **Reset Default**.
3. Read the instruction and press  to continue.
4. A message pops up that reads all settings will revert to factory default and select **Revert/Cancel**.

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 to handle an answered call.

1. Press Left Soft Key , **9**WXYZ, **4**ghi, **1**abc.

2. Select the options.

Flip Open/ Any Key/ Send Only/ Auto Answer

3. Use  to select a setting, then press .



4.2 Auto Retry

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

1. Press Left Soft Key , **9**WXYZ, **4**ghi, **2**abc.

2. Select the options.

Off/ Every 10 Seconds/ Every 30 Seconds/
Every 60 Seconds

3. Use  to select a setting, then press .



4.3 One-Touch Dial

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

1. Press Left Soft Key , **9**WXYZ, **4**ghi, **3**def.

2. Select the options.

On/ Off

3. Use  to select a setting, then press .



4.4 Voice Privacy

Allows you to set the voice privacy feature for CDMA calls as Enhanced or Standard. CDMA offers inherent voice privacy. Check with your service provider for availability.

1. Press Left Soft Key , **9**WXYZ, **4**ghi, **4**ghi.




2. Select the options.

Enhanced/ Standard

3. Use  to select a setting, then press .





4.5 Auto Volume

Provides a better audio experience by enabling the Auto Volume feature to control the dynamic range and volume of the sending and receiving voice across different levels of speaker and environments.

1. Press Left Soft Key , **9**xyz, **4**ghi, **5**hi.
2. Select the options.
On/ Off
3. Use  to select a setting, then press .




4.6 Airplane Mode

Allows you to use the general application and restricts the output of RF communication.

1. Press Left Soft Key , **9**xyz, **4**ghi, **6**mno.
 2. An instruction is displayed and press .
 3. Use  to select a setting, then press .
- On/ Off

4.7 TTY Mode

Allows you to attach a TTY (Teletype writer) 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. Press Left Soft Key , **9**xyz, **4**ghi, **7**pqrs.
2. Read the instruction and select the options.
TTY Full/ TTY + Talk/ TTY + Hear/ TTY Off
3. Use  to select a setting, then press .








5. System

The System menu allows you to designate specific system network settings.

5.1 Network








5.1.1 System Select

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

1. Press Left Soft Key , **9** , **5** , **1** , **1** .
2. Use  to select **Home Only, Automatic A, Automatic B**, then press .








5.1.2 Set NAM

Allows you to select the phone's NAM (Number Assignment Module) if the phone is registered with multiple service providers.

1. Press Left Soft Key , **9** , **5** , **1** , **2** .
2. Use  to select **NAM1** or **NAM2**, then press .

5.1.3 Auto NAM

Allows the phone to automatically switch between programmed telephone numbers corresponding to the service provider area.

1. Press Left Soft Key , **9** , **5** , **1** , **3** .
2. Use  to select **On** or **Off**, then press .







5.1.4 Serving System

Identifies the channel number of a system that is served as a SID Number. This information should only be used for technical support.

1. Press Left Soft Key , **9** , **5** , **1** , **4** .

5.2 PC Connection




Allows you to select the data port.

1. Press Left Soft Key , **9** , **5** , **2** .
2. Use  to select a setting, then press .

USB/ RS-232C(COM Port)/ Bluetooth/ Closed

5.3 Location

Menu for GPS (Global Positioning System: Satellite assisted location information system) mode.




1. Press Left Soft Key , **9**xyz, **5**int, **3**def.
2. Use  to select a setting to select **Location On/ E911 Only**, then press .

Note

GPS satellite signals are not always transmitted, especially under bad atmospheric and environmental conditions, indoors etc.




6. Memory

Allows you to check out the memory status of your phone.

1. Press Left Soft Key , **9**xyz, **6**mn0.
2. Use  to select **Memory Status/ Media Status/ User Memory** and press .

7. Phone Info.

The Phone Info. menu provides you with specific information pertaining to your phone model.

1. Press Left Soft Key , **9**xyz, **7**pers.
2. Use  to select **My Number/ SW Version/ Icon Glossary** and press .

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.

SAFETY

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.

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 not carry the phone in a breast pocket;
- 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. In the event of such interference, you may want to consult your service provider (or call the customer service line to discuss alternatives).

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.

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.
- 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 a pocket or bag without covering the receptacle of the phone (power plug pin), metallic articles (such as a coin, paperclip or pen) may short-circuit the phone. Always cover the receptacle when not in use.
- 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

SAFETY

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

- Talking on your phone for a long period of time may reduce call quality due to heat generated during use.
- When the phone is not used for a long period time, store it in a safe place with the power cord unplugged.
- Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference to the phone.
- Do not use the phone if the antenna is damaged. If a damaged antenna contacts skin, it may cause a slight burn. Please contact an LG Authorized Service Center to replace the damaged antenna.
- Do not immerse your phone in water. If this happens, turn it off immediately and remove the battery. If the phone does not work, take it to an LG Authorized Service Center.
- Do not paint your phone.
- The data saved in your phone might be deleted due to careless use, repair of the phone, or upgrade of the software. Please backup your

important phone numbers. (Ring tones, text messages, voice messages, pictures, and videos could also be deleted.) The manufacturer is not liable for damage due to the loss of data.

- When you use the phone in public places, set the 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.

If you are listening to music whilst out and about, please ensure that the volume is at a reasonable level so that you are aware of your surroundings. This is particularly imperative when attempting to cross the street.

Avoid damage to your hearing

Damage to your hearing can occur if you are exposed to loud sound for long periods of time. We therefore recommend that you do not turn on or off the handset close to your ear. We also recommend that music and call volumes are set to a reasonable level.

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 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 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. 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 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
(<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 may be distracting. Stressful or emotional conversations and driving do not mix; they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations -- with your phone at your side, help is only three numbers away. Dial 911 or other local emergency number in the case of fire, traffic accident, road hazard, or medical emergency.

Remember, it'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 911 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special wireless non-emergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you can still use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

For more information, please call to 888-901-SAFE, or visit our website www.wow-com.com.

Consumer Information on SAR

(Specific Absorption Rate)

This model phone meets the government's requirements for exposure to radio waves. Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to Radio Frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although

SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. Because the phone is designed to operate at multiple power levels to use only the power required to reach the network, in general, the closer you are to a wireless base station antenna, the lower the power output.

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

The highest SAR value for this model phone when tested for use at the ear is 1.27 W/kg and when worn on the body, as described in this user guide, is 0.731 W/kg (body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID BEJYX5300. 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.

FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless phones under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless phones be compatible with hearing-aids. The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities.

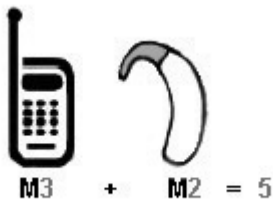
While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users to find phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless phone rating values are then added together. A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use.



In the above example, if a hearing aid meets the M2 level rating and the wireless phone meets the M3 level rating, the sum of the two values equal M5. This should provide the hearing aid user with “normal usage” while using their hearing aid with the particular wireless phone. “Normal usage” in this context is defined as a signal quality that is acceptable for normal operation.

The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules. The HAC rating and measurement procedure are described in the American National

Standards Institute (ANSI) C63.19 standard.

When you’re talking over the cell phone, it’s recommended you’d turn the *Bluetooth* mode off for HAC.

For information about hearing aids and digital wireless phones

FCC Hearing Aid Compatibility and Volume Control

<http://www.fcc.gov/cgb/dro/hearing.html>

Gallaudet University, RERC

<http://tap.gallaudet.edu/DigWireless.KS/DigWireless.htm>

HLAA (Hearing Loss Association of America)

<http://www.hearingloss.org/learn/cellphonetech.asp>

The Hearing Aid Compatibility FCC Order

http://hraunfoss.fcc.gov/edocs_public/attachmatc h/FCC-03-168A1.pdf

ACCESSORIES

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

Battery Charger

The battery charger allows you to charge your phone.



Battery

Standard battery is available.



Vehicle Power Charger

The vehicle power charger allows you to operate the phone and trickle charge the phone's battery from your vehicle.



Hands-Free Car Kit (Portable)

The hands-free car kit enables you to attach the phone to the power jack in your car, providing you with hands-free operation.



Headset

The headset connects to your phone allowing hands-free operation. It includes earpiece, microphone.



Battery Pack Charger

The battery pack charger allows you to charge the battery pack itself without the phone.



LIMITED WARRANTY STATEMENT

1. *WHAT THIS WARRANTY COVERS:*

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

- (1) The limited warranty for the product extends for TWELVE (12) MONTHS beginning on the date of purchase of the product with valid proof of purchase, or absent valid proof of purchase, FIFTEEN (15) MONTHS from date of manufacture as determined by the unit's manufacture date code.
- (2) The limited warranty extends only to the original purchaser of the product and is not assignable or transferable to any subsequent purchaser/end user.
- (3) This warranty is good only to the original purchaser of the product during the warranty period as long as it is in the U.S, including Alaska, Hawaii, U.S. Territories and Canada.
- (4) The external housing and cosmetic parts shall be free of defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.
- (5) Upon request from LG, the consumer must provide information to reasonably prove the date of purchase.
- (6) The customer shall bear the cost of shipping the product to the Customer Service Department of LG. LG shall bear the cost of shipping the product back to the consumer after the completion of service under this limited warranty.

LIMITED WARRANTY STATEMENT

2. WHAT THIS WARRANTY DOES NOT COVER:

- (1) Defects or damages resulting from use of the product in other than its normal and customary manner.
- (2) Defects or damages from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of LG, including damage caused by shipping, blown fuses, spills of food or liquid.
- (3) Breakage or damage to antennas unless caused directly by defects in material or workmanship.
- (4) That the Customer Service Department at LG was not notified by consumer of the alleged defect or malfunction of the product during the applicable limited warranty period.
- (5) Products which have had the serial number removed or made illegible.
- (6) This limited warranty is in lieu of all other warranties, express or implied either in fact or by operations of law, statutory or otherwise, including, but not limited to any implied warranty of marketability or fitness for a particular use.
- (7) Damage resulting from use of non-LG approved accessories.
- (8) All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal customer use.
- (9) Products operated outside published maximum ratings.
- (10) Products used or obtained in a rental program.
- (11) Consumables (such as fuses).

3. STATE LAW RIGHTS:

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

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

4. HOW TO GET WARRANTY SERVICE:

To obtain warranty service, please call or fax to the following telephone numbers from anywhere in the continental United States:

Tel. 1-800-793-8896 or Fax. 1-800-448-4026

Or visit <http://us.lgservice.com>. Correspondence may also be mailed to:

LG Electronics Service- Mobile Handsets

P.O. Box 240007, Huntsville, AL 35824

DO NOT RETURN YOUR PRODUCT TO THE ABOVE ADDRESS. Please call or write for the location of the LG authorized service center nearest you and for the procedures for obtaining warranty claims.

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