

Important Safety Precautions

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

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



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



2. Never place your phone in a microwave oven as it will cause the battery to explode.

3. Never store your phone in temperatures less than -4°F or greater than 122°F .

4. Do not dispose of your battery by fire or with hazardous or flammable materials.



5. When riding in a car, do not leave your phone or set up the hands-free kit near to the air bag. If wireless equipment is improperly installed and the air bag is deployed, you may be seriously injured.



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

Important Safety Precautions



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



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



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



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



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



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



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

8. Do not disassemble the phone.



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



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



4. Store the battery out of reach of children.
5. Be careful that children do not swallow any parts (such as rubber plugs, earphone, connection parts of the phone, etc.) This could cause asphyxiation or suffocation resulting in serious injury or death.



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



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



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

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Welcome

Thank you for choosing the Masterpiece cellular phone, designed to operate with the latest digital mobile communication technology, Code Division Multiple Access (CDMA). Along with the many advanced features of the CDMA system, such as greatly enhanced voice clarity, this compact phone offers:

- Built-in VGA Camera
- Sleek and Compact Design
- Large, easy-to-read, 8-line backlit LCD with status icons
- Multimedia features including ringtones, Sounds, and picture downloads
- 15-key keypad and Directional Key
- Long battery standby and talk time
- Easy and fast operation using a menu-driven interface
- Messaging, Voicemail, caller ID, IM, and chat
- Advanced Voice Recognition
- Quick calling functions, including auto answer, auto retry, and speed dialing, with 99 memory locations, and voice commands
- Flash Wallpaper with fun animations
- Bilingual capability (English and French)
- Bluetooth® wireless technology (for certain devices)

Note

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

Technical Details

Important Information

This user 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 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.

Industry Canada Compliance

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

FCC RF Exposure Information

WARNING! Read this information before operating the phone.

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

Technical Details

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 0.9 inches (2.0 cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.9 inches (2.0 cm) must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. Third-party belt clips, holsters, and similar accessories containing metallic components should not be used. Avoid the use of

accessories that cannot maintain 0.9 inches (2.0 cm) distance between the user's body and the back of the phone and have not been tested for compliance with FCC RF exposure limits.

Vehicle-Mounted External Antenna

(Optional, if available.)

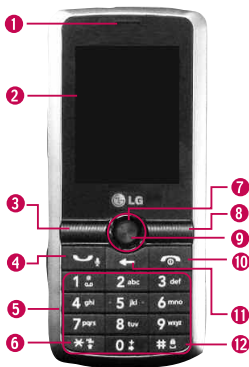
A minimum separation distance of 8 inches (20 cm) must be maintained between the user/ bystander and the vehicle-mounted external antenna to satisfy FCC RF exposure requirements. For more information about RF exposure, visit the FCC website at www.fcc.gov.

Caution

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

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

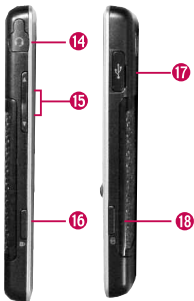
Phone Overview



1. **Earpiece** Lets you hear the caller.
2. **LCD Screen** Displays messages and indicator icons. When the phone is turned on, power save mode automatically dims the screen and then darkens it if no keys are pressed.
3. **Left Soft Key** Use to display the Messaging Menu.
4. **TALK/ Voice Command Key** Use to place or answer calls. When pressed long, voice command activates.
5. **Alphanumeric Keypad** Use to enter numbers, characters and to select menu items.
6. **Vibrate Mode Key** Use to set Vibrate mode (from standby mode press and hold for about 3 seconds).
7. **Directional Key** Use for quick access to Create Message, Wireless Web, All Calls and My Shortcuts. During a call, press this to turn speaker on or off.
8. **Right Soft Key** Use to display your Contacts.
9. **Menu/OK Key** Selects the function displayed at the bottom of the LCD between the Left and Right Soft Key functions.
10. **PWR/END Key** Use to turn the power on/off and to end a call. Also returns to the Standby Mode display screen.
11. **Clear Key** Deletes single spaces or characters with a quick press, but press and hold to delete entire words. Will also back you out of menus, one level at a time.
12. **Lock Mode Key** Use to lock the phone (from standby mode press and hold for about 1.5 seconds).



13. **Camera Lens** Use to take photos. Keep it clean for optimal photo quality.
14. **Headset Jack** Allows you to plug in mono headset for convenient, hands-free conversations. CAUTION! Inserting an accessory into the incorrect jack may damage the phone.
15. **Side Keys** Use to adjust the ringer volume in standby mode and the earpiece volume during a call.
16. **Keypad Lock Keys** When pressed for 2seconds, the keypad lock is activated.
17. **Charger Port** Connects the phone to the battery charger or other available accessories.
18. **Side Camera Key** Use for quick access to Camera functions.



- Wireless Web Key** Use to access Wireless Web.
- My Shortcuts Key** Use to access My Shortcuts.
- Message Key** Use to send a message.
- Call History Key** Use to access Call History.

Menu Tree

Contacts

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

Call History

1. Missed Calls
2. Received Calls
3. Dialed Calls
4. All Calls
5. View Call Timers

Messaging

1. Voicemail
2. Create Message
3. Inbox
4. E-mail
5. Instant Messaging

6. Sent
7. Drafts
8. Web Alerts
9. Short Codes

Wireless Web

1. Launch Web
2. Bookmarks
3. Go to Site

Media

1. Ringtones & Sounds
2. Pictures
3. Camera
4. Memory Info

Search

1. Search the Web
2. Find Ringtones & Wallpaper

Games & Apps

1. Games
2. Apps

Tools

1. Bluetooth Menu
2. Voice Recorder
3. Voice Commands
4. Calculator
5. Calendar
6. To Do List
7. Alarm Clock
8. Stopwatch
9. World Clock
0. Notepad
- *. Ez Tip Calculator

Settings

1. Keyguard Settings
2. Sound Settings

- 1. Easy Set-up
- 2. Master Volume
- 3. Call Sounds
- 4. Alert Sounds
- 5. Keypad Volume
- 6. Digit Dial Readout
- 7. Service Alerts
- 8. Power On/Off
- 9. Voice Clarity
- 3. Display Settings
 - 1. Easy Set-up
 - 2. Banner
 - 3. Backlight
 - 4. Brightness
 - 5. Wallpaper
 - 6. Display Themes
 - 7. Menu Style
 - 8. Clock Format
 - 9. Time Format

- 4. Games & Apps
- 5. Phone Settings
 - 1. Airplane Mode
 - 2. Set Shortcuts
 - 3. Voice Commands
 - 4. Language
 - 5. Location
 - 6. Security
 - 7. System Select
 - 8. NAM Select
 - 9. Serving System
- 6. Call Settings
 - 1. Answer Options
 - 2. Auto Retry
 - 3. TTY Mode
 - 4. One Touch Dial
 - 5. Auto Prepend
 - 6. International Dialing Code

7. Joystick Settings

- 8. Memory
 - 1. Memory Usage
 - 2. My Pictures
 - 3. My Sounds
- 9. Phone Info
 - 1. My Number
 - 2. SW/HW Version
 - 3. Icon Glossary
- 0. Set-up Wizard

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

Getting Started with Your Phone

The Battery

Note

It is important to fully charge the battery before using your phone for the first time.

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, remove the battery by gently pressing the tab on the back of the phone until the latch releases the battery door. Insert the battery face up, and then replace the battery door.

Removing the Battery

1. Make sure the power is off so you do not lose any stored numbers or messages.

2. Press the battery release latch up, and then remove the battery from the phone.

Charging the Battery

To use the charger provided with your phone:

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




NOTICE

Please make sure that the "B" Side faces up before inserting a charger into the charger port of your phone.


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

- The charge time varies depending upon the battery level.

Battery Charge Level

The battery charge level  is displayed at the top right of the LCD screen. When the charge level becomes low, the battery sensor sounds a warning tone, flashes the battery icon, and displays a warning message. As the charge level approaches empty, the phone automatically turns off without saving the data in use.

Signal Strength




Call quality depends on the signal strength in your area. You can tell how much signal strength you have by the number of bars next to the signal strength icon : the more bars, the stronger the signal. If you're having problems with signal

quality, move to an open area or, when inside a building, try moving near a window.

Note


Call quality is also affected by your location and weather conditions that affect radio frequency (RF) emissions.

Screen Icons

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


Turning the Phone On and Off

Turning the Phone On




- Install a charged battery, or connect the phone to an external power source.
- Press  for about 3 seconds until the LCD screen lights up.

Getting Started with Your Phone

Turning the Phone Off

Press and hold  until the display turns off.


Making Calls

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


Note

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



Correcting Dialing Mistakes

Press  once to delete the last digit entered, or hold it down for at least 2 seconds to delete all the digits.

Redialing Calls

Press  twice to redial the last number dialed.



Receiving Calls

1. When the phone indicates an incoming call, answer by simply pressing .
2. Press  to end the call.

Quick Access to Convenient Features

Vibrate Mode

Sets the phone to vibrate instead of ring (📞 is displayed) in the lower-left corner of the screen).



To set Vibrate Mode, Press and hold . To return to Normal Mode, press and hold .

Sounds Off


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

In standby mode, press and hold the down volume key for 3 seconds to deactivate sounds. To return to normal sounds mode, press and hold the up volume key.

Mute Function

The Mute Function prevents the caller from hearing your voice To quickly activate Mute while on a call, press the Left Soft Key  [Mute]. To return to normal mode, press the Left Soft Key  [Unmute] again.

Volume Quick Adjustment

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



Note

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

Quick Access to Convenient Features

Call Waiting

During a call, 1 beep indicates an incoming call.

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

Caller ID

Caller ID displays the number plus the name and picture (if available) of the person calling.

Voice Commands

Voice Commands allow you to do things by verbal command (e.g., make calls, confirm Voicemail, and so on).







Note

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


Entering and Editing Information

Text Input

The following function keys are available to help with text entry:

-  **Left Soft Key:** Press to change the entry mode.
-  **Shift:** Press to change capitalization (initial cap, caps lock, lowercase).
-  **Next:** Press to display other matching words in the database in Word mode.
-  **Space:** Press to complete a word and insert a space.
-  **Clear:** Press to delete a single space or character. Hold to delete words.
-  **Punctuation:** Press to insert punctuation.










Entry Modes

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






Word / Abc / ABC / 123 / Symbols

Contacts in Your Phone's Memory

Basics



1. Enter a number (max. 48 digits), then press the Left Soft Key  [Save].
2. Use the Directional Key  to highlight **Add New Contact/ Update Existing**, then press .
3. Use the Directional Key  to highlight **Mobile 1/ Home/ Work/ Mobile 2/ Fax**, then press .
4. Enter a name (max. 32 characters), then press .
5. Press  to exit,  to call, or the Right Soft Key  [Options].
New Contact/ Dial 1 + Number/ Erase/ Send Message/ Call/ Erase All/ Send Name Card










Customizing Individual Entries

1. Press the Right Soft Key  [Contacts], then use the Directional Key  to highlight an entry.
2. Press the Left Soft Key  [Edit].
3. Use the Directional Key  to highlight the information to customize.
4. Change the entry as desired, then press  to save your changes.


Speed Dialing




Allows you to set up your Speed Dials.

1. Press the Right Soft Key  [Contacts], then use the Directional Key  to highlight an entry.


2. Press the Left Soft Key  [Edit].
3. Use the Directional Key  to highlight a phone number, then press the Right Soft Key  [Options].
4. Use the Directional Key  to highlight **Set Speed Dial**, then press .
5. There are two options to set up your Speed Dials:
 - Enter a Speed Dial digit using the keypad, then press the OK button  [SET].
 - Use the Directional Key  to highlight the Speed Dial digit, then press  [SET].
6. Press **Yes** to confirm, then press  to save.

Storing a Number with Pauses

Pauses allow you to enter additional series of numbers to access automated systems, such as Voicemail or credit billing numbers. Pause types are: **Pause (P)** to stop dialing until you press the Left Soft Key  [Release]; to advance to the next number; and **Wait (T)** to have the phone wait 2 seconds before sending the next string of digits.




1. Enter the number, then press the Right Soft Key  [Options].
2. Use the Directional Key  to highlight **Pause** or **Wait**, then press .
3. Enter additional number(s) (e.g., pin number or credit card number).





Contacts in Your Phone's Memory

4. Press the Left Soft Key  [Save].
5. Choose **Add New Contact/ Update Existing**.
6. Choose **Mobile 1/ Home/ Work/ Mobile 2/ Fax**.
7. Continue entering information for the Contact entry, as desired.






Adding Another Phone Number

In standby mode

1. Enter a phone number, then press the Left Soft Key  [Save].
2. Use the Directional Key  to highlight **Update Existing**, then press .













3. Use the Directional Key  to highlight an existing entry, then press .
4. Use the Directional Key  to highlight **Mobile 1/ Home/ Work/ Mobile 2/ Fax**, then press  to save.

From the Contact List Screen



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

Changing Saved Information

Use the Edit Contacts screen to change any information you saved.

1. Press the Right Soft Key  [Contacts].
2. Use the Directional Key  to highlight a Contact entry, then press the Left Soft Key  [Edit].
3. Use the Directional Key  to highlight the field you want to change.
4. Make the changes, then press .
2. Use the Directional Key  to highlight a Contact entry, then press the Left Soft Key  [Edit].
3. Use the Directional Key  to highlight the number, then press the Right Soft Key  [Options].
4. Press  Wait or  Pause.
5. Enter additional number(s), then press .









Adding a Pause to a Contact Entry

1. Press the Right Soft Key  [Contacts].
1. Press the Right Soft Key  [Contacts].

Changing the Default Number









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

Contacts in Your Phone's Memory

2. Use the Directional Key  to highlight an entry.
3. Press the Left Soft Key  [Edit].
4. Use the Directional Key  to highlight a phone number, then press the Right Soft Key  [Options].
5. Use the Directional Key  to highlight **Set As Default**, then press .
6. Press  **Yes** to set the new number as the default. A confirmation message is displayed.
7. Press  again to save.

Deleting

Deleting a Contact Entry

1. Press the Right Soft Key  [Contacts].
2. Use the Directional Key  to highlight an entry.
3. Press the Right Soft Key  [Options].
4. Press  **Erase**.
5. You can delete all contact entries you mark. If you want to delete additional contact entries use the Directional Key button to highlight an entry, then press  [Mark]. If you want to undo this action, just press OK button [Mark] one more time. If you want to delete all your contact entries, press the Right Soft Key  [Mark All]. If you want to undo this action, press the Right Soft Key  [Unmark All] one more time. If you're done marking a contact entry, press the Left Soft Key  [Done].

6. Press Yes to confirm.

Deleting a Speed Dial

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

Speed Dialing

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

Note

Speed Dial 1 is for Voicemail.

Single Digit Speed Dials

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

Multiple-Digit Speed Dials

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

Note


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

Contacts

Contacts

The Contacts Menu allows you to store names, phone numbers, and other information in your phone's memory. Store up to 1000 entries.

Note




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




1. New Contact

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

Note

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

1. Press  [MENU].
2. Press  Contacts.
3. Press  New Contact.





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




Note

For more detailed information, see page 23.

2. Contact List

Allows you to view your Contact List.

1. Press  [MENU].
2. Press  Contacts.
3. Press  Contact List.
4. Use the Directional Key  to scroll through your Contacts alphabetically.




- Press the Right Soft Key  [Options] to select one of the following:
New Contact / Dial 1 + Number / Erase / Send Message / Call / Erase All / Send Name Card
- Press the Left Soft Key  [Edit] to edit.
- Press  [VIEW] to view the entry details.



Note

Use the Go To field for quick access to an entry without scrolling. For example, to go to "Vet," enter the letter V.

3. Groups

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

1. Press  [MENU].
2. Press  Contacts.
3. Press  Groups.
4. View a Group


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

Add a New Group

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

Contacts






Options for Groups





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

Send Message/ Rename/
Erase Group/ Edit/ Send
Name Card

4. Speed Dials




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



1. Press  [MENU].
2. Press  Contacts.
3. Press  Speed Dials.
4. Use the Directional Key  to highlight the Speed Dial position, or enter the Speed Dial digit and press  [SET].

5. Use the Directional Key  to highlight the Contact, then press . (For Contacts with multiple numbers, highlight the number for the Speed Dial, then press .)
6. Press  Yes to confirm. A confirmation message is displayed.


5. My Name Card

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

1. Press  [MENU].
2. Press  Contacts.
3. Press  My Name Card.
4. Press  [EDIT] to enter your personal Contact information.

5. Use the Directional Key  to scroll to the information you want to enter.
6. Enter your information, as desired, then press .

Note

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








Call History

Call History


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

1. Missed Calls

Allows you to view the list of missed calls; up to 90 entries.








1. Press  [MENU].
2. Press  Call History.
3. Press  Missed Calls.
4. Use the Directional Key  to scroll to an entry, then:
 - Press the OK Key  [OPEN] to view the entry.
 - Press  to call the number.
 - Press the Right Soft Key  [Options] to select: Details (Save To Contacts)

/ Dial 1 + Number / Erase / Lock (Unlock) / Erase All / View Call Timers


- Press the Left Soft Key  [Message] to send a message.

2. Received Calls

Allows you to view the list of incoming calls; up to 90 entries.







1. Press  [MENU].
2. Press  Call History.
3. Press  Received Calls.
4. Use the Directional Key  to scroll to an entry, then:
 - Press the OK Key  [OPEN] to view the entry.
 - Press the  key to call the number.
 - Press the Right Soft Key  [Options] to select:


Details (Save To Contacts)
/ Dial 1 + Number / Erase
/ Lock (Unlock) / Erase
All / View Call Timers


- Press the Left Soft Key  [Message] to send a message.

3. Dialed Calls

Allows you to view the list of outgoing calls; up to 90 entries.







1. Press  [MENU].
2. Press  Call History.
3. Press  Dialed Calls.
4. Use the Directional Key  to scroll to an entry, then:
 - Press the OK Key  [OPEN] to view the entry.
 - Press the  key to call the number.
 - Press the Right Soft Key

 [Options] to select:
Details (Save To Contacts)
/ Dial 1 + Number / Erase
/ Lock (Unlock) / Erase
All / View Call Timers



- Press the Left Soft Key  [Message] to Send a message.

4. All Calls

Allows you to view the list of all calls; up to 270 entries.





1. Press  [MENU].
2. Press  Call History.
3. Press  All Calls.
4. Use the Directional Key  to scroll to an entry, then:
 - Press the OK Key  [OPEN] to view the entry.
 - Press the  key to call the number.

Call History



- Press the Right Soft Key  [Options] to select: Details (Save To Contacts) / Dial 1 + Number / Erase / Lock (Unlock) / Erase All / View Call Timers
- Press the Left Soft Key  [Message] to send a message.

5. View Call Timers

Allows you to view the duration of selected calls.

1. Press  [MENU].
2. Press  Call History.
3. Press  View Call Timers.
4. Use the Directional Key  to scroll to a call list.
Last Call/ All Calls/ Received Calls/ Dialed Calls/ Roaming Calls/ Transmit Data/
Received Data/ Total Data/

Last Reset/ Lifetime Calls/ Lifetime Data Counter


5. Reset all the recorded timers by pressing the Right Soft Key  [Reset All].
6. If you want to reset a specific call, use the Directional Key button to select the call. Then press the Left Soft Key  [Reset]. It is impossible to reset Last Reset, Lifetime Calls, and Lifetime Data Center.

Messaging


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





New Message Alert

Your phone will alert you when you have new messages.

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

1. Voicemail

Allows you to view the number of new voice messages recorded in the Voice mailbox. Once you exceed the storage limit, old messages are overwritten. When you have a new voice message, your phone will alert you. Press and hold the  key for instant access to your voicemail.






1. Press the Left Soft Key  [Message].
2. Press  Voicemail.
3. Options:
 - Press  or  [CALL] to listen to the message(s).

Messaging

2. Create Message


Allows you to send text messages, picture messages, and page transmissions. Each message has a destination (up to 10 recipients per message) and data (Message). These depend on the type of message you want to send.

The Basics of Sending a Text Message


1. Press the Left Soft Key  [Message].
2. Press  Create Message.
3. Enter the phone number of the recipient or the email address for an email message. You can enter up to 10 addresses for a single message.
4. After you're done adding phone numbers or email addresses from contacts by pressing the Left Soft Key  [Done], press the Directional Key  downward.
5. Type your message in the text field.
6. Press  [SEND].

Customizing the Message Using Options

• Editing the To: field

1. Press the Right Soft Key  [Add].
2. Select the option(s) you want to customize:
From Contacts/ Recent Call/
Groups/Set as Cc/ Set as
Bcc/ To Contacts

- **Editing Text**


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

Add Quick Text Allows you to add the message as Quick Text.

Save As Draft Saves the message to the Drafts folder.

Priority Level Assigns a priority level to the message. High/ Normal


Callback# Displays your number in the message you send.

Smileys Allows you to define phrases for Smileys by pressing the Left Soft Key  [Prev] or the Right Soft

Key  [Next].

Cancel Message Cancels message editing and takes you to the Message Menu.

- **Editing Images**

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

[For SMS messages]
Save As Draft/ Priority Level/
Callback#/ Cancel Message

[For MMS messages]
Preview/ Save As Draft/
Add Slide/ Priority Level/
Delivery Report/ Read
Report/ Slide Timer/
Remove Picture/ Cancel
Message

Messaging

- Editing Sound

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

[For SMS messages]
Save As Draft/ Priority Level/
Callback#/ Cancel Message

[For MMS messages]
Preview/ Save As Draft/
Add Slide/ Priority Level/
Delivery Report/ Read
Report/ Slide Timer/
Remove Sound/ Cancel
Message


- Editing Name Cards

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

[For SMS messages]
Save As Draft/ Priority Level/
Callback#/ Cancel Message


[For MMS messages]
Preview/ Save As Draft/
Add Slide/ Priority Level/
Delivery Report/ Read
Report/ Slide Timer/
Remove Name Card/ Cancel
Message

- Editing Subjects

1. Press the Right Soft Key  [Options].



2. Select the options you want to customize:

[For SMS messages]
Add Quick Text/ Same As
Draft/ Priority Level/
Callback#/ Smileys/ Cancel
Message


4. Complete, and then send or save the message by pressing  .

3. Inbox


Your phone will alert you when you have new messages.

- By displaying a message notification on the screen.
- By sounding an alert or vibrating, if set.
- By displaying . (The icon() will be displayed when you get a high priority message).

Viewing Your Inbox




1. Press the Left Soft Key  [Message].

2. Press  **Inbox**.

3. Use the Directional Key  to scroll to a message.

Messaging

4. Options:

- Press the Left Soft Key  [Erase].
- Press the OK Key  [OPEN] to open the message.
- Press the Right Soft Key  [Options].

Reply Replies to the return address of the message received.

Reply With Copy Replies to the return address using the original message.

Forward Sends a received message to another address(es).

Add To Contacts Saves the callback number, email address, and phone numbers in the message received to your Contacts.

Extract Addresses Extracts addresses from the message you received. Then allows you to save the addresses, and call or send the message to the addresses.

Sort By Sender All messages will be sorted by sender.

Messages View Sorts messages by Time or Contact.

Manage Inbox Manages the inbox, including deletion, reply, and locking.

Message Info Allows you to view the data in the message received.







Message Icon Reference



New/ Unread TXT Messages




Opened/ Read TXT Messages



-  High Priority
-  Locked
-  New/ Unread
Multimedia Message
-  Open/ Read Multimedia
Message
-  New/ Unread Browser
Messages
-  Opened/ Read Browser
Messages
-  New/ Unread
Notification Messages
-  Open/ Read Notification
Messages

* Multimedia Message indicates
Picture/ Voice Message.

4. E-mail



Allows you to send email using My Email.

1. Press the Left Soft Key  [Message].

2. Press  E-mail.
3. Select **Get New** or **My Email 2.0**.
4. Selecting **Get New** starts a Mobile Web Browser session. (E-Mail starts Java based application My Email 2.0.)
5. Highlight an email provider, then press .
6. Log in or enter your email address and password.

5. Instant Messaging

Allows you to chat via instant message.

1. Press the Left Soft Key  [Message].
2. Press  Instant Messaging.
3. Select **Get New** or **Messenger 2.0**.

Messaging

4. Selecting **Get New** starts a Mobile Web Browser session. (Instant Messaging starts the Java -based application Messenger 2.0)
5. Highlight a Chat provider, then press **OK**.

Note

This feature may require a subscription to a Chat service provider.

6. Sent

Up to 100 sent messages can be stored in Sent lists, and the content of the messages indicate whether the transmission was successful.

1. Press the Left Soft Key **[Message]**.
2. Press **6 mno** **Sent**.
3. Options for a highlighted message:

- Press **OK** **[OPEN]** to view the message.
- Press the Left Soft Key **[Erase]** to delete the highlighted message.
- Press the Right Soft Key **[Options]**.

Forward Forwards a sent message to another address(es).

Send Allows you to resend the selected message.

Add To Contacts Stores the callback number, email address, and phone numbers in the message in your Contacts.

Sort by Recipient All messages will be sorted by Recipient.

Manages View Sorts messages by Time or Contact.

Manage Sent Allows you to view, delete, send, or lock sent messages.

Message Info Allows you to check the data in the sent message.

Message Icon Reference



Text/Picture/Voice Messages sent



Message delivered



Text/Picture/Voice Messages failed



Multiple Messages sent



Multiple Messages delivered



Multiple Messages failed



Multiple Messages incomplete








High Priority



Locked

7. Drafts




Displays draft messages.

1. Press the Left Soft Key  [Message].
2. Press  Drafts.
3. Options for the highlighted message:
 - Press the OK Key  [EDIT].
 - Press the Left Soft Key  [Erase].
 - Press the Right Soft Key  [Options].

Messaging

Add To Contacts Stores the callback number, email address, and phone numbers in the Draft message in your Contacts.

Manage Drafts

1. Edit the detailed info of the message by pressing the Left Soft Key  [Edit].
2. Mark the message by pressing the OK Key  [Mark].
3. Use the Erase, Lock, Mark all, and Unmark all functions by pressing the Right Soft Key  [Options].



Message Icon Reference



Draft Txt and
Multimedia Message



8. Web Alerts

Get alerts from the Web on your phone.

1. Press the Left Soft Key  [Message].
2. Press  Web Alerts.





9. Short Codes

Using short codes, you can get useful information such as weather, news, and jokes, in an SMS messages.

1. Press the Left Soft Key  [Message].
2. Press  Short Codes.

Message Settings


Allows you to configure settings for your messages.

1. Press the Left Soft Key  [Message].
2. Press the Left Soft Key  [Settings].
3. Use the Directional Key  to scroll to one of the settings, then press the OK Key  to select it.

Message Settings Submenu Descriptions

1. **Message View(Time / Contact)**
Sorts messages by Time or Contact
2. **Entry Mode (Word/ Abc/ ABC/ 123)**
Selects the default input method.
3. **Auto Save (On/ Off/ Prompt)**
With this feature on, messages are automatically saved in the Outbox after transmission.
4. **Auto Erase (On/ Off)**
When you exceed the storage limit, your messages are automatically deleted after you've read them.
5. **Auto Receive (On/ Off)**
When on, this feature automatically fetches your messages.
6. **Quick Text**
Allows you to display, edit, and add text phrases. These text strings save you time by reducing the amount of text you have to manually type into messages. Editing and erasing is not available for preloaded text, but you can add new text phrases by

Messaging

pressing the Right Soft Key  [New].

7. Callback# (On/ Off)

Allows you to display your phone number in the message you send.

8. Signature (None/ Custom)


Allows you make/edit a signature to automatically include in your messages.


Deleting Messages









Allows you to delete all messages stored in your Inbox, Outbox, or Drafts folders. You can also delete all messages at the same time.


Note

The default settings of Messages View is Time. When set as Contact, erase options are Erase Received Messages, Erase Sent Messages, Erase Drafts and Erase All.

1. Press the Left Soft Key  [Message].

2. Press the Right Soft Key  [Options].

- Press   Erase Inbox to delete all messages (read or unread) or only read messages from the Inbox.
- Press   Erase Sent to delete all unlocked messages stored in the Sent folder.
- Press   Erase Drafts to delete all unlocked messages stored in the Drafts folder.
- Press   Erase All to delete all read messages stored in the Inbox, Drafts, and Sent folders (All messages, including Unread, or All messages except Unread Messages).

3. Select Yes to delete the messages selected, then press .

A confirmation message is displayed.


Wireless Web

Wireless Web


Allows you to view Internet content especially designed for your mobile phone. For specific information on wireless Web access, visit www.telusmobility.com/wirelessweb.

1. Launch Web

Initiates Wireless Web session.


1. Press  [MENU].
2. Press  Wireless Web.
3. Press  Launch Web.

Ending a Browser Session


End a Browser session by pressing .

Browser Navigation

Links embedded in content


Select items or links by moving the cursor with the Directional Key and pressing the OK key . Or, if the items are numbered, press the corresponding number key.

Scrolling / Fast Scrolling


Use the Directional Key  to scroll through the content.

Individual presses move one line at a time, or press and hold to move quickly up or down the screen.

Return to Home Page

Press and hold .

Using the Browser Menu

Press the Right Soft Key  [Menu] to view Browser choices.

Wireless Web

Items of Browser Menu

Note

You may have to scroll down to see some of the menu items listed below.

- **Home** Returns to Home Page.
- **Forward** Moves to the next page.
- **Bookmarks** You can add bookmarks.
- **Go to URL** Allows you to go to a specific Web page.
- **History** Displays a list of Web pages visited.
- **Search** Allows you to search the Web.
- **Snapshots** Takes a snapshot.
- **Reload** Allows you to reload the current Web page.
- **Advanced** Allows you to set values for various browser

features.

Restart Browser Allows you to restart your browser.

Delete Cookies Allows you to delete cookies.

Multimedia Customize Images/Background Sounds/Objects Downloads.

View Title Region View Title Region or Wrap text in Title Region.

Scroll Mode Allows you to set Scroll Mode or Scroll Speed.

Send Referrer Customize the HTTP Send Referrer Header.

Connection Timeout Customize Request Timeout.

Key press Timeout Set the duration of each key press or connection.

Security Displays the

authentication setting menu and certificates of the device.


- **Show URL** Displays the URL of the current Web page.
- **Clear** Allows you to clear the History, Cache, Cookies, and Auto Fill.
- **Exit** Exits the menu.
- **Send Link** Allows you to send the link of the current page in a text message.
- **About...** Displays the current browser data.

Entering/Deleting Text, Numbers, or Symbols

Press  to delete.




2. Bookmarks

Shows bookmarked Web pages.

1. Press  [MENU].
2. Press  Wireless Web.
3. Press  Bookmarks.

3. Go to Site

Connects to a specific website.





1. Press  [MENU].
2. Press  Wireless Web.
3. Press  Go to Site.

Media

Media






1. Ringtones & Sounds

Personalize your notifications with alert sounds and downloadable ringtones.

1. Press  [MENU].
2. Press  or  Media.
3. Press  Ringtones & Sounds.
4. Select a submenu [Get New Ringtones, My Ringtones, My Sounds] by pressing the number that corresponds to the submenu.







1.1 Get New Ringtones


Allows you to get new ringtones from the server.




1. Press  [MENU].
2. Press  or  Media.
3. Press  Ringtones & Sounds.
4. Press  Get New Ringtones.

1.2 My Ringtones

Allows you to select a desired ringtone.

1. Press  [MENU].
2. Press  or  Media.
3. Press  Ringtones & Sounds.
4. Press  My Ringtones.
5. Use the Directional Key .

to scroll to a ringtone, then press the Left Soft Key  [Set As].









-  **Ringtone**
-  **Contact ID:** Scroll and select the Contact you want to associate with the ringtone you selected.
-  **Alert Sounds:** Press the corresponding number key to set the ringtone for one of the following:
All Messages/ TXT
Message/ Multimedia
Message/ Voicemail

Note


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

1.3 My Sounds

Allows you to select a desired sound, or record a new sound.






1. Press  [MENU].
 2. Press  or  **Media**.
 3. Press  **Ringtones & Sounds**.
 4. Press  **My Sounds**.
 5. Press  **Record New**, or select a sound using the Directional Key .
- Options for a highlighted sound file:
- Press the OK Key  [PLAY].

Media

- Press the Right Soft Key  [Options] to scroll to: Send/ File Info/ Send via Bluetooth





2. Pictures

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

1. Press  [MENU].
2. Press  or  Media.
3. Press  Pictures.
4. Select a submenu, then press the OK Key .

2.1 Get New Pictures








Allows you to get new pictures from the server.

1. Press  [MENU].
2. Press  or  Media.
3. Press  Pictures.

4. Press  Get New Pictures.

2.2 My Pictures

Allows you to view photos stored on your phone.

1. Press  [MENU].
2. Press  or  Media.
3. Press  Pictures.
4. Press  My Pictures.
5. Select your desired picture with the Directional Key , then press the Right Soft Key  [Options].
6. Select the options you want to customize.

Send Send a message.

Set As Wallpaper/ Picture ID

Take Picture Turns on the camera function.

Slide Show Starts a Slide Show.

Manage My Pics Allows you to select picture(s) and then apply options.

1. Erase
2. Mark All(Unmark All)
- 3.Lock(Unlock)

Rename Renames the selected picture.

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

Print Print via Bluetooth/
Print Preferences

File Info Name/ Date/ Time/
Resolution/ Size of the
selected picture

Note








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

3. Camera

Take pictures with your phone.

Tips

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

1. Press  [MENU].
2. Press  or  Media.
3. Press  Camera.
4. Set the brightness level by pressing the Directional Key up and down , zoom by pressing the Directional Key left and right , and press the Right Soft Key  [Options] to change other settings.

Note

Zoom is not available at the highest resolution.

Media

- Select the option(s) you want to customize.

RESOLUTION 1280X960/
640X480 / 320X240

SELF TIMER Off/ 3 Seconds/
5 Seconds/ 10 Seconds

WHITE BALANCE Auto/
Sunny/ Cloudy/ Fluorescent/
Glow

SHUTTER SOUND Shutter/
No Sound/ Say "Cheese"/
Ready! 1 2 3

COLOR EFFECTS Normal/
Negative/ Aqua/ Sepia/ Black
& White

NIGHT MODE On/ Off

SAVE OPTION On/ Off

PHOTOMETRY Average/
Spot/ Spot Multiple

PREVIEW Actual view/ Full
screen

5. Take a picture by pressing **OK** [TAKE].
6. The picture is stored in My Pictures.

Note

Press and hold the camera key on the right side of the phone to take pictures. Then press the volume keys on the left side of the phone to set the brightness level.

4. Memory Info

Allows you to check how much memory you are using for Shared In Use, Ringtones, Sounds, Pictures, Game & Apps, Messaging, and so on.

1. Press **OK** [MENU].
2. Press **OK** or **5 jkl** Media.
3. Press **4 ghi** Memory Info.

Search/ Games & Apps

Search

1. Search the Web

Allows you to search various topics through the Web.

1. Press **OK** [MENU].
2. Press **6** Search.
3. Press **1** Search the Web.

2. Find Ringtones & Wallpapers

Search and download various Ringtones and Wallpaper on the Web.

1. Press **OK** [MENU].
2. Press **6** Search.
3. Press **2** Find Ringtones & Wallpapers.

Games & Apps

1. Games

Selecting Get New allows you to download games using the Web browser.

1. Press **OK** [MENU].
2. Press **7** Games & Apps.
3. Press **1** Games.
4. Select a game from the list, or press **OK** Get New.

2. Apps

Allows you to download applications using the browser.

1. Press **OK** [MENU].
2. Press **7** Games & Apps.
3. Press **2** Apps.
4. Select an App from the list, or press **OK** Get New.

Tools










Tools

1. Bluetooth Menu

1.1 Add New Device

Pairing is the process that allows the handset to locate, other devices and establish and register 1-to-1 connections to a target device..

Pairing with a new Bluetooth® device


1. Press  [MENU].
2. Press  Tools.
3. Press  Bluetooth Menu.
4. Press  Add New Device.
5. If Bluetooth® is off, you will be prompted to turn it on. Select Yes, press the , then press the  again.
6. The device will appear in the Add New Device menu once it has been located. Highlight the device, then press the  button.
7. The handset will prompt you for the passcode and provide you with instructions on the appropriate passcode (typically “0000,” 4 zeroes). Enter the passcode, then press the  button.
8. Once pairing is successful, select either Always Ask or Always Connect, then press the  button (except for audio devices).
9. Once connected, you will see the device listed in the Bluetooth® Menu, and the Bluetooth® device connected icon  will display on your enunciator when connected to the Bluetooth® device.


Icon Reference in Adding New Device

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

- Icon References When searching for a Bluetooth® Wireless Connection (neither connected nor paired)
- Icon References When Successfully Connected




1.2 Ez Use Handsfree

Allows you to connect a Bluetooth headset with the phone immediately after searching for it. During a call, press  to access


Ez Use Handsfree. Then press  to transfer audio to the device or audio to the phone.

2. Voice Recorder

Allows you to record your voice. Recorded voice s are saved in My Sounds. Recording Time is 1 Minute/ 60 Minutes.


1. Press  [MENU].
2. Press  Tools.
3. Press  Voice Recorder.

3. Voice Commands

Allows you to say commands into your phone using AVR (Advanced Voice Recognition) technology. Each option has detailed phone information, and you can view more by pressing the Left Soft Key  [Info].

1. Press  [MENU].
2. Press  Tools.
3. Press  Voice Commands.

Tools

Customize your Voice Commands by pressing the Right Soft Key  [Settings].

Confirm Choices Automatic/
Always Confirm/ Never Confirm

Sensitivity More Sensitive/
Automatic/ Less Sensitive

Adapt Voice If the phone often asks you to repeat voice commands, train the phone to recognize your voice patterns.

Train Words/ Train Digits

Prompts Mode/ Audio
Playback/ Timeout

For **Mode**, set Prompts/ Readout + Alerts/ Readout/ Tones Only.

For **Audio Playback**, set Speakerphone/ Earpiece.

For **Timeout**, set 5 seconds/
10 seconds.

3.1 Call <Name or Number>

Say "Call", and then call someone simply by saying their phone number or name. Please speak clearly and say exactly what is entered in your Contacts list. When you have more than one contact number, you can state the name and number type of the contact (e.g., "Call John Work").

3.2 Send Msg to <Name or Number>

Say "Send Message," then the voice command will let you state the name or number. Once you say the name or number, the system will automatically start a message. If you say a full-sentence command, such as "Send Message to Bob," the system will automatically start a text message. When using the

Send Message command, speak clearly and say the number, group name, or name exactly as it appears in your Contacts list.

3.3 Go to <Menu>

The Go to command allows you to access a menu within the phone:

Airplane Mode/ Alarm Clock/
Alert Sounds/ All Calls/ Answer
Options/ Auto Retry/
Backlight/ Banner/...

3.4 Check <Item>

The Check command allows you to check a wide range of data:

Phone Status/ Voicemail/
Messages/ Missed Calls/ Time/
Signal Strength/ Battery Level/
Volume/ My Number

3.5 Lookup <Name>

You can look up names in your Contacts (e.g., “Lookup John”):

Call/ Read out/ Create New/
Modify/ Erase

3.6 Redial



Allows you to automatically redial the last number called.






3.7 Help

Provides general guidelines for using Voice Commands.

Tools










4. Calculator





Allows you to perform simple mathematical calculations. You can enter numbers up to the eighth decimal place. Make calculations with up to 3 lines at a time. Use the  Key or number sign and  key to select the operation you want.

1. Press  [MENU].
2. Press  Tools.
3. Press  Calculator.
4. Enter numbers. To delete a number, press the Left Soft Key  [Clear].
5. Press the Right Soft Key  [Options] to add a parenthesis or power.

5. Calendar









Gives you convenient and easy access to your calendar. Save your events in your phone, and it will alert you with a customized reminder.

1. Press  [MENU].
2. Press  Tools.
3. Press  Calendar.
4. Use the Directional Key  to scroll to the day.
 - Left  Moves to the previous day.
 - Right  Moves to the next day.
 - Up  Moves to the previous week.
 - Down  Moves to the next week.
5. Press the Left Soft Key  [Add].

6. Enter the Subject, then scroll down to the remaining settings.
7. Scroll to a Calendar setting field, then press the Left Soft Key  [Set]. For each Calendar event, you can set:
 - Subject
 - Start Date
 - Start Time
 - End Date
 - End Time
 - Repeat
 - Until
 - Alerts
 - Tones
 - Vibrate
8. Use the Directional Key  to choose a setting, then press the OK Key .
9. Press the OK Key  [SAVE] when the event information is complete.

6. To Do List








Create a To Do list.

1. Press  [MENU].
2. Press  Tools.
3. Press  To Do List.
4. Press the Left Soft Key  [Add].
5. Enter the Subject.
6. Highlight the Due Date field, then press the Left Soft Key  [Date]. Use the keypad to enter the date (e.g., press  to select June). Then press the Right Soft Key  [More] for the following options:
 - Start Date
 - Priority
 - Alert Date
 - Tones
 - Due Date
 - Alert
 - Alert Time
7. Press  [SAVE].


Tools

7. Alarm Clock


Allows you to set up to 10 alarms.





1. Press  [MENU].
2. Press  Tools.
3. Press  Alarm Clock.
4. Press the Left Soft Key  [Add].
5. Enter the alarm information, including:
 - Turn On/Off
 - Set Time
 - Repeat
 - Ringtone
6. Use the Directional Key  to scroll to the information you want to set, then press the Left Soft Key  [Set] to view your setting choices.
7. Press the OK Key  [SAVE] after setting all the Alarm




fields you need.

When the alarm sounds, you can choose “snooze”, or “dismiss” the alarm. To turn it off, press the OK Key , the side keys, any of the alphanumeric keys, or the vibrate mode key.

8. Stopwatch





Allows you to use your phone as a standard stopwatch. Start measuring elapsed time, and stop by pressing the OK Key .

1. Press  [MENU].
2. Press  Tools.
3. Press  Stopwatch.
4. Press the OK Key  [START] then options as follows:
 - Press the Left Soft Key  [Lap].



- Press the OK Key  to stop [STOP]. To resume, press the OK Key  [RESUME] one more time. Press the Right Soft Key  [Reset].

9. World Clock

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






1. Press  [MENU].
2. Press  Tools.
3. Press  World Clock.
4. Press the Right Soft Key  [Cities] to choose from a list of available cities.
5. Select a city in the list, then press the OK Key . The display shows the position of

the city on a global map.

6. Press the OK Key  again to zoom in on the city and view its date and time information. To set DST (Daylight Saving Time), press the Left Soft Key  [Set DST].

10. Notepad





Allows you to add, read, edit, and delete notes.

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

Tools

* Ez Tip Calculator

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

1. Press  [MENU].
2. Press  Tools.
3. Press  Ez Tip Calculator.
5. Enter figures into the fields (Total bill, tip(%), Split, Tip(\$), Total), and the corresponding calculation fields (tip and total for each person) appear automatically.
6. Press the Left Soft Key  [Reset] for another calculation.

Settings

1. Keyguard Settings

Allows you to customize Auto Lock and Unlock Options.

1. Press **OK** [MENU].
2. Press **9** **wxyz** Settings.
3. Press **1** **o** **o.d** Keyguard Settings.
 - Auto Lock: This feature locks the phone keypad as soon as the display backlight goes off to prevent activating a button accidentally.
On/ Off

2. Sound Settings

Provides options to customize the phone's sounds.

2.1 Easy Set-up

Allows you to easily enter the Sounds Settings.

1. Press **OK** [MENU].
2. Press **9** **wxyz** Settings.
3. Press **2** **abc** Sound Settings.
4. Press **1** **o** **o.d** Easy Set up.



Helps you set up Call Sounds, Keypad Volume, Text Message Alerts, Multimedia Message Alerts, and Voice Message Alerts.

2.2 Master Volume

Allows you to enter volume settings.





1. Press **OK** [MENU].
2. Press **9** **wxyz** Settings.
3. Press **2** **abc** Sound Settings.
4. Press **2** **abc** Master Volume.

Settings






- Adjust the volume with the Directional Key , then press the OK Key  to save the setting.



2.3 Call Sounds

You can set how the phone alerts you when you receive different types of incoming calls.








- Press  [MENU].
- Press  Settings.
- Press  Sound Settings.
- Press  Call Sounds.

2.3.1 Call Ringtone

- Press  [MENU].
- Press  Settings.
- Press  Sound Settings.
- Press  Call Sounds.
- Press  Call Ringtone.




- Use the Directional Key  to scroll to a ringtone, then press the OK Key  to save the sound.



2.3.2 Call Vibrate

- Press  [MENU].
- Press  Settings.
- Press  Sound Settings.
- Press  Call Sounds.
- Press  Call Vibrate.
- Use the Directional Key  to scroll to a setting, then press the OK Key .




On/ Off

2.3.3 Caller ID Announcement

- Press  [MENU].
- Press  Settings.
- Press  Sound Settings.


4. Press **3 def** **Call Sounds**.
5. Press **3 def** **Caller ID Announcement**.
6. Use the Directional Key  to highlight a setting, then press the OK Key .
Ring Only/ Caller ID + Ring/ Name Repeat

2.3.4 Audio Output

1. Press  **[MENU]**.
2. Press **9 wxyz** **Settings**.
3. Press **2 abc** **Sound Settings**.
4. Press **3 def** **Call Sounds**.
5. Press **4 ghi** **Audio Output**.
6. Use the Directional Key  to scroll to a setting, then press the OK Key .
Speaker/ Headset Only/ Headset and Vibrate


2.4 Alert Sounds

Allows you to select the alert type for new messages.



1. Press  **[MENU]**.
2. Press **9 wxyz** **Settings**.
3. Press **2 abc** **Sound Settings**.
4. Press **4 ghi** **Alert Sounds**.
5. Select **Text Message/ Multimedia Message/ Voicemail/ Missed Call**
6. Each menu has these options:
Tone/ Vibrate/ Reminder

2.5 Keypad Volume




Allows you to set the keypad volume.

1. Press  **[MENU]**.
2. Press **9 wxyz** **Settings**.
3. Press **2 abc** **Sound Settings**.

Settings

4. Press **5 jkl** **Keypad Volume**.
5. Adjust the volume with the Directional Key , then press the OK Key  **[SET]** to save the setting.

2.6 Digit Dial Readout

1. Press  **[MENU]**.
2. Press **9 wxyz** **Settings**.
3. Press **2 abc** **Sound Settings**.
4. Press **6 mno** **Digit Dial Readout**.
5. Use the Directional Key  to highlight a setting, then press  **ON/OFF**.

2.7 Service Alerts

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

1. Press  **[MENU]**.
2. Press **9 wxyz** **Settings**.



3. Press **2 abc** **Sound Settings**.
4. Press **7 pqrs** **Service Alerts**.
5. Select an alert option.

Service Change Alerts you when the service has changed.

Minute Beep Alerts you every minute during a call.

Call Connect Alerts you when the call is connected.


Charge Complete Alerts you when the battery is completely charged.

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

On/ Off


2.8 Power On/Off

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

1. Press **OK** [MENU].
2. Press **9** **Settings**.
3. Press **2** **Sound Settings**.
4. Press **8** **Power On/Off**.
5. Select Power On/ Power Off.
6. Use the Directional Key  to scroll to a setting, then press the OK Key **OK**.
On/ Off

2.9 Voice Clarity

1. Press **OK** [MENU].
2. Press **9** **Settings**.
3. Press **2** **Sound Settings**.
4. Press **9** **Voice Clarity**.

5. Use the Directional Key  to scroll to a setting, then press the OK Key **OK**.
On/ Off

3. Display Settings

Provides options to customize the phone's display screen.

3.1 Easy Set up

Allows you to easily set the Display Settings.

1. Press **OK** [MENU].
2. Press **9** **Settings**.
3. Press **3** **Display Settings**.
4. Press **1** **Easy Set up**.

Helps you set up Banner, Display Backlight, Keypad Backlight, Wallpaper, Display Themes, Menu Style, and Clock Format.

Settings

3.2 Banner

Allows you to enter text that displays on your LCD screen. You can enter up to 23 characters.

1. Press **OK** [MENU].
2. Press **9** wxyz Settings.
3. Press **3** def Display Settings.
4. Press **2** abc Banner.
6. Enter the banner text you want to display on the screen, then press the OK Key **OK** to save it.

3.3 Backlight

Set the amount of time the backlight stays on. The display and Keypad backlights are set separately.

1. Press **OK** [MENU].
2. Press **9** wxyz Settings.

3. Press **3** def Display Settings.
4. Press **3** def Backlight.
5. Choose a Backlight submenu, then press the OK Key **OK**.
Display/ Keypad

1. Display



- Display Backlight:
7 Seconds/ 15 Seconds/
30 Seconds/ 1 Minute

2. Keypad: 7 Seconds/ 15 Seconds/ 30 Seconds

3.4 Brightness







Allows you to set brightness levels.

1. Press **OK** [MENU].
2. Press **9** wxyz Settings.
3. Press **3** def Display Settings.
4. Press **4** ghi Brightness.

5. Use the Directional Key , to set the brightness level, then press .







3.5 Wallpaper

Choose the background you want displayed on the phone. The possibilities are endless; Fun Animations, in particular, provide you with entertaining Flash screens for your wallpaper.

1. Press  [MENU].
2. Press  Settings.
3. Press  Display Settings.
4. Press  Wallpaper.
5. Choose a submenu, then press the OK Key .
- My Pictures/ Fun Animations
6. Select from the available screens, then press the OK Key .

3.6 Display Themes





Allows you to choose the color of the background screen.

1. Press  [MENU].
2. Press  Settings.
3. Press  Display Settings.
4. Press  Display Themes.
5. Use the Directional Key  to scroll to a setting, then press the OK Key .



Glance/ Gold square

3.7 Menu Style

Allows you to choose the style of the Main Menus.

1. Press  [MENU].
2. Press  Settings.
3. Press  Display Settings.
4. Press  Menu Style.



Settings

5. Use the Directional Key  to highlight a setting, then press .



List / Grid

Note


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

5. Use the Directional Key  to scroll to a setting, then press the OK Key .

Small Digital/ Small Analog/
Large Analog/ Large Digital/
Dual City/ Off





6. Use the Directional Key  to highlight a setting, then press .

NOTE

Press the Left Soft Key  [Preview] to preview the selected Clock Format.

3.8 Clock Format



Allows you to choose the kind of clock displayed on main LCD screens.

1. Press  [MENU].
2. Press  Settings.
3. Press  Display Settings.
4. Press  Clock Format.

3.9 Time Format




Allows you to choose the time display format for your phone's clock.

1. Press  [MENU].
2. Press  Settings.
3. Press  Display Settings.




4. Press **9 wxyz** Time Format.
5. Use the Directional Key  to scroll to a setting, then press the OK Key .
12 Hours/ 24 Hours

4. Games & Apps


4.1 Backlight Settings

1. Press  [MENU].
2. Press **9 wxyz** Settings.
3. Press **4 ghj** Games & Apps.
4. Press **1 o.o** Backlight Settings.
5. Use the Directional Key  to scroll to a setting, then press the OK Key .
7 Seconds/ 15 Seconds/
30 Seconds/ Always On/
Always Off

4.2 Volume





1. Press  [MENU].
2. Press **9 wxyz** Settings.
3. Press **4 ghj** Games & Apps.
4. Press **2 abc** Volume.
5. Use the Directional Key  to scroll to a setting, then press the OK Key .
High/ Medium High/
Medium/ Medium Low/ Low/
All Sounds Off

4.3 Notifications






1. Press  [MENU].
2. Press **9 wxyz** Settings.
3. Press **4 ghj** Games & Apps.
4. Press **3 def** Notifications.
5. Select Voicemail/ Messages.
On/ Off

Settings

4.4 Others

1. Press  [MENU].
2. Press  Settings.
3. Press  Games & Apps.
4. Press  Others.

4.5 Plug-Ins







1. Press  [MENU].
2. Press  Settings.
3. Press  Games & Apps.
4. Press  Plug-Ins.
5. Press  Get New.

5. Phone Settings

The Phone Settings Menu allows you to designate specific settings to customize how you use your phone.

5.1 Airplane Mode

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

1. Press  [MENU].
2. Press  Settings.
3. Press  Phone Settings.
4. Press  Airplane Mode.
5. Use the Directional Key  to scroll to a setting, then press the OK Key  .
On/ Off

5.2 Set Shortcuts

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

1. Press **OK** [MENU].
2. Press **9** **wxyz** Settings.
3. Press **5** **jk|** Phone Settings.
4. Press **2** **abc** Set Shortcuts.
5. Set My Shortcuts

You can personalize the 4 shortcuts displayed on the My SHORTCUTS screen. From the home screen, press the right Directional Key to display the MY SHORTCUTS screen.

6. Set Directional Keys

Assign applications to the Up, Left, and Down Directional Keys.







5.3 Voice Commands

1. Press **OK** [MENU].
2. Press **9** **wxyz** Settings.
3. Press **5** **jk|** Phone Settings.
4. Press **3** **def** Voice Commands.
 - Confirm Choices** Automatic/ Always Confirm/Never Confirm
 - Sensitivity** Control the More Sensitive/ Automatic/Less Sensitive
 - Adapt Voice** If the phone often asks you to repeat voice commands, train the phone to recognize your voice patterns.
 - Train Words/ Train Digits**
 - Prompts** Mode/ Audio Playback/ Timeout
 - Mode: Prompts/ Readout + Alerts/ Readout/ Tones Only.
 - Audio Playback: Speakerphone or Earpiece.
 - For Timeout: 5 seconds or 10 seconds.

Settings




5.4 Language




Allows you to choose between English or French.

1. Press  [MENU].
2. Press  Settings.
3. Press  Phone Settings.
4. Press  Language.
5. Use the Directional Key  to scroll to a setting, then press the OK Key 
English/ Français

5.5 Location

Allows you to set the GPS (Global Positioning System: Satellite-assisted location information system) mode.

1. Press  [MENU].
2. Press  Settings.
3. Press  Phone Settings.

4. Press  Location.
5. Use the Directional Key  to highlight a setting, then press .

Location On/ E911 Only

Note

- GPS satellite signals are not always received by the phone, especially under poor atmospheric and environmental conditions, and so on.
- When a Location Setting Restriction is activated in the Security Menu, the lock code is required when you enter the location menu. The lock code is the same 4 digits you use as your device lock code; the default is the last 4 digits of your phone number.
- When in Airplane Mode, services supporting Location On functionality (such as Chaperone) will be suspended.

5.6 Security

The Security menu allows you to secure the phone electronically.

1. Press **OK** [MENU].
2. Press **9** **wxyz** Settings.
3. Press **5** **ijkl** Phone Settings.
4. Press **6** **mno** Security.
5. Enter the 4-digit lock code.
The default code is the last 4 digits of your phone number.

5.6.1 Edit Codes

Allows you to enter a new 4-digit lock code.

1. Press **OK** [MENU].
2. Press **9** **wxyz** Settings.
3. Press **5** **ijkl** Phone Settings.
4. Press **6** **mno** Security.
5. Enter the 4-digit lock code.


6. Press **1** **000** Edit Codes.
7. Choose **Phone Only** or **Calls & Services**, then enter your new lock code. Enter it again to confirm it.

5.6.2 Restrictions



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

1. Press **OK** [MENU].
2. Press **9** **wxyz** Settings.
3. Press **5** **ijkl** Phone Settings.
4. Press **6** **mno** Security.
5. Enter the 4-digit lock code.
6. Press **2** **abc** Restrictions.
7. Enter the service lock code.
The default code is the last 4 digits of your phone number.

Settings

8. Scroll to a Restrictions submenu, then press the OK Key .

Location Setting/ Calls/ Messages/ Dial-up Modem

9. Use the Directional Key  to set restrictions, then press the OK Key .

Location Setting Lock Setting/ Unlock Setting

Calls Incoming Calls/ Outgoing Calls







Messages Incoming Messages/ Outgoing Messages

Dial-up Modem Allow All/ Block All

5.6.3 Phone Lock

Protects your phone from unauthorized use. Once the phone is locked, it's in restricted mode until the lock code is entered. You can still receive

phone calls and make emergency calls. You can change the lock code using the Edit Codes submenu in the Security menu.

1. Press  [MENU].
2. Press  **Settings**.
3. Press  **Phone Settings**.
4. Press  **Security**.
5. Enter the 4-digit lock code.
6. Press  **Phone Lock**.
7. Scroll to an option, then press the OK Key .

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

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

5.6.4 Camera Lock

Allows you to lock the camera function to prevent an accidental

press of the camera button.

1. Press **OK** [MENU].
2. Press **9** wxyz **Settings**.
3. Press **5** jkl **Phone Settings**.
4. Press **6** mno **Security**.
5. Enter the 4-digit lock code.
6. Press **4** ghi **Camera Lock**.
7. Scroll to an option, then press the OK Key **OK**.
Unlocked/ Locked

5.6.5 Lock Phone Now

Allows you to lock your phone immediately.

1. Press **OK** [MENU].
2. Press **9** wxyz **Settings**.
3. Press **5** jkl **Phone Settings**.
4. Press **6** mno **Security**.

5. Enter the 4-digit lock code.

6. Press **5** jkl **Lock Phone Now**.

5.6.6 Reset Default

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


1. Press **OK** [MENU].
2. Press **9** wxyz **Settings**.
3. Press **5** jkl **Phone Settings**.
4. Press **6** mno **Security**.
5. Enter the 4-digit lock code.
6. Press **6** mno **Reset Default**.
7. Press the OK Key **OK** after reading the warning message.
8. Press the OK Key **OK** to select Revert.

A confirmation message is displayed briefly before the phone resets itself.

Settings

5.7 System Select


Allows you to set up factory settings. Keep the default settings unless you want to change the system selection as instructed by your service provider.

1. Press **OK** [MENU].
2. Press **9** wxyz Settings.
3. Press **5** jkl Phone Settings.
4. Press **7** pqrs System Select.
5. Use the Directional Key  to scroll to a setting, then press the OK Key **OK**.

Home Only/ Automatic

5.8 NAM Select

Allows you to set up the factory setting. Keep the default settings unless you want to change the system selection as instructed by your service provider.

1. Press **OK** [MENU].
2. Press **9** wxyz Settings.
3. Press **5** jkl Phone Settings.
4. Press **8** tuv NAM Select.
5. Use the Directional Key  to scroll to a setting, then press the OK Key **OK**.

NAM1/ NAM2

5.9 Serving System

Allows you to set up the phone management environment. Keep the default settings unless you want to change the system selection as instructed by your service provider.


1. Press **OK** [MENU].
2. Press **9** wxyz Settings.
3. Press **5** jkl Phone Settings.
4. Press **9** wxyz Serving System.

6. Call Settings

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

6.1 Answer Options

Set how you answer incoming calls.

1. Press **OK** [MENU].
2. Press **9** **wxyz** Settings.
3. Press **6** **mno** Call Settings.
4. Press **1** **o.d** Answer Options.
5. Use the Directional Key  to scroll to a setting, then press the OK Key **OK**.


Any Key/ Auto with
Handsfree

NOTE

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

6.2 Auto Retry

Set the time the phone waits before automatically redialing a number when a call attempt fails.

1. Press **OK** [MENU].
2. Press **9** **wxyz** Settings.
3. Press **6** **mno** Call Settings.
4. Press **2** **abc** Auto Retry.
5. Use the Directional Key  to scroll to a setting, then press the OK Key **OK**.
Off/ Every 10 Seconds/
Every 30 Seconds/ Every 60
Seconds

Settings

6.3 TTY Mode



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

1. Press  [MENU].

2. Press  Settings.

3. Press  Call Settings.

4. Press  TTY Mode.

5. Use the Directional Key  to scroll to a setting, then press the OK Key .

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

TTY (teletypewriter) Mode

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

TTY Full Users who cannot talk or hear can send and receive text messages using TTY equipment.

TTY + Talk Users who can talk but cannot hear can receive text messages and send voice messages using TTY equipment.

TTY + Hear Users who can hear but cannot talk can send text messages and receive voice messages using TTY equipment.

TTY Off Users who can talk and hear can send and text receive voice and messages without TTY equipment.







Connecting TTY Equipment to a Terminal

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

Settings

6.4 One Touch Dial

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





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

On/ Off

6.5 Auto Prepend







Make calling long distance easier.

1. Press  [MENU].
2. Press  Settings.

3. Press  Call Settings.
 4. Press  Auto Prepend.
 5. Use the Directional Key  to scroll to a setting, then press the OK Key .
- On/ Off






6.6 International Dialing Code

If set to on, allows you to initiate an international dial call.

1. Press  [MENU].
 2. Press  Settings.
 3. Press  Call Settings.
 4. Press  International Dialing Code.
 5. Use the Directional Key  to scroll to a setting, then press the OK Key .
- On/ Off


7. Joystick Settings

Allows you to customize the Joystick vibration level or vibration type.

1. Press  [MENU].
2. Press  Settings.
3. Press  Joystick Settings.
4. Use the Directional Key  to select the **Vibration Level** or **Vibration Type**, then press Left Soft Key .

Vibration Level: High/ Low/
Off





Vibration Type: Short/
Long/Double

5. Press the OK Key  to select a setting.

8. Memory

Check your Masterpiece internal memory with.

Displays the phone's memory information.


1. Press  [MENU].
2. Press  Settings.
3. Press  Memory.
4. Use the Directional Key  to select the Masterpiece file storage type, then press  to view the memory used.

**Memory Usage/ My
Pictures/ My Sounds**

Using Phone Menus

8.1 Memory Usage

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

1. Press **OK** [MENU].
2. Press **9** wxyz **Settings**.
3. Press **8** tuvy **Memory**.
4. Press **1**  **Memory Usage**.

8.2 My Pictures

Allows you to check out the my pictures saved on your phone.

1. Press **OK** [MENU].
2. Press **9** wxyz **Settings**.
3. Press **8** tuvy **Memory**.
4. Press **2** abc **My Pictures**.

8.3 My Sounds

Allows you to check out the my sounds saved on your phone.





1. Press **OK** [MENU].
2. Press **9** wxyz **Settings**.
3. Press **8** tuvy **Memory**.
4. Press **3** def **My Sounds**.

9. Phone Info

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





9.1 My Number

Allows you to view your phone number.

1. Press  [MENU].
2. Press  Settings.
3. Press  Phone Info.
4. Press  My Number.





9.2 SW/HW Version

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

1. Press  [MENU].
2. Press  Settings.
3. Press  Phone Info.
4. Press  SW/HW Version.

9.3 Icon Glossary




Allows you to view all the icons and their meanings.

1. Press  [MENU].
2. Press  Settings.
3. Press  Phone Info.
4. Press  Icon Glossary.

Settings

10. Set up Wizard

This Wizard will guide you through the most commonly used customization options. This way, you can set up your phone quickly and easily.

1. Press  [MENU].
2. Press  Settings.
3. Press  Set up Wizard.

TIA Safety Information

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

Exposure to Radio Frequency Signals

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).

Safety

Antenna Care

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

Phone Operation

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

Tips on Efficient Operation

For your phone to operate most efficiently:

Don't touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher

power level than otherwise needed.

Driving

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

- Give full attention to driving — driving safely is your first responsibility
- Use handsfree 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 the pacemaker when the phone is turned ON
- Should use the ear opposite the pacemaker to minimize the potential for interference
- Should turn the phone OFF immediately if there is any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids.

Safety

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.

Healthcare Facilities

Turn your phone OFF in healthcare 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. Turn 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 Airbags

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

Safety

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

Safety

- Don't short-circuit the battery. Metallic articles such as a coin, paperclip or pen in your pocket or bag may short-circuit the + and – terminals of the battery (metal strips on the battery) upon moving. Short-circuit of the terminal may damage the battery and cause an explosion.
- Do not disassemble or crush the battery. It may cause a fire.

General Notice

- Using a damaged battery or placing a battery in your mouth may cause serious injury.
- Do not place items containing magnetic components such as a credit card, phone card, bank book, or subway ticket near your phone. The magnetism of the phone may damage the data stored in the magnetic strip.
- Talking on your phone for a long period of time may reduce call quality due to heat generated during use.
- When the phone is not used for a long period time, store it in a safe place with the power cord unplugged.
- Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference to the phone.
- Do not use the phone if the antenna is damaged. If a damaged antenna contacts skin, it may cause a slight burn. Please contact an LG Authorized Service Center to replace the damaged antenna.

- Do not immerse your phone in water. If this happens, turn it off immediately and remove the battery. If the phone does not work, take it to an LG Authorized Service Center.
- Do not paint your phone.
- The data saved in your phone might be deleted due to careless use, repair of the phone, or upgrade of the software. Please backup your important phone numbers. (Ring tones, text messages, voice messages, pictures, and videos could also be deleted.) The manufacturer is not liable for damage due to the loss of data.
- When you use the phone in public places, set the ringtone to vibration so you don't disturb others.
- Do not turn your phone on or off when putting it to your ear.
- Use accessories, such as earphones and headsets, with caution. Ensure that cables are tucked away safely and do not touch the antenna unnecessarily.

Warning! Important safety information

Avoiding hearing damage

Permanent hearing loss may occur if you use your phone and/or headset at a high volume. Set the volume to a safe level. You can adapt over time to a higher volume of sound that may sound normal but can be damaging to your hearing. If you experience ringing in your ears or muffled speech, stop listening and have your hearing checked.

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The louder the volume, the less time is required before your hearing could be affected. Hearing experts suggest that to protect your hearing:

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

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

Using your phone safely

Use of your phone while operating a vehicle is not

recommended and is illegal in some areas. Be careful and attentive while driving. Stop using your phone if you find it disruptive or distracting while operating any type of vehicle or performing any other activity that requires your full attention.

Avoiding hearing damage

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

protect your hearing:

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

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

Using headsets safely

Use of headsets to listen to music while operating a vehicle is not recommended and is illegal in some areas. Be careful and attentive while driving. Stop using this device if you find it disruptive or distracting while

operating any type of vehicle or performing any other activity that requires your full attention.



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

Safety

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.
- 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

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

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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

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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

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consistent with the safety standards developed by the Institute of Electrical and Electronic Engineers (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

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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

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

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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 100 for Police, 101 for Gendarmerie Royale or 102 for Ambulance, Pompiers. Remember, it's a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a "Good Samaritan" in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 100 for Police, 101 for Gendarmerie Royale or 102 for Ambulance, Pompiers, as you would want others to do for you.
10. Call roadside assistance or a special wireless non-emergency assistance number when necessary. Certain situations you encounter while driving may

require attention, but are not urgent enough to merit a call for emergency services. But you can still use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

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

restrict the manner in which a driver may use his or her phone while operating a vehicle.

Consumer Information on SAR

(Specific Absorption Rate)

This Model Phone Meets the Government's Requirements for Exposure to Radio Waves. Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Council on Radiation Protection and Measurement (NCRP) and

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the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

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

variations in measurements.

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

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe

exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model.

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

worn operations may not comply with FCC RF exposure limits and should be avoided.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines.

The highest SAR value for this model phone when tested for use at the ear is 0.953 W/kg and when worn on the body, as described in this user's manual, is 0.643 W/kg. While there may be differences between SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of

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<http://www.fcc.gov/oet/fccid> after searching on FCC ID.

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

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

*In the United States and Canada, the SAR limit for mobile

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

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 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.

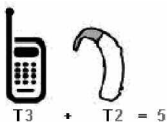
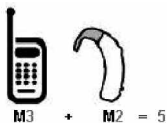
Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

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.

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. T4 is the better/higher of the two ratings.

Safety

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 is synonymous for T ratings. 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.

To ensure that the Hearing Aid Compatibility rating for your phone is maintained, secondary transmitters such as Bluetooth and WLAN components must be disabled during a call. See Page 54 for instructions to disable these components.

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>

Hearing Loss Association of America [HLAA]

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

The Hearing Aid Compatibility FCC Order

http://hraunfoss.fcc.gov/edocs_public/attachmatch/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.



Travel Charger

The travel charger allows you to charge your phone.



Car Charger



Battery



USB Cable

Limited Warranty Statement

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

This warranty is subject to the following terms and conditions;

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

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

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

Limited Warranty Statement

PRODUCT or replacement thereof to the CONSUMER.

4. Upon request from LG ELECTRONICS Inc., the CONSUMER may be required to provide the purchase receipt or other documentation or information in respect of the date and place of purchase.
5. The CONSUMER shall have no coverage or benefits under this warranty in the event that any of the following conditions are applicable:
 - (a) The PRODUCT has been subject to abnormal use or conditions, improper storage, exposure to excessive moisture or dampness, exposure to excessive temperatures, unauthorized modifications, unauthorized repair (including but not limited to use of unauthorized spare parts in repairs), abuse, accident, Acts of God, spills of food or liquids, improper installation and breakage or damage to antennae (otherwise than by reason of any defects in material or workmanship).
 - (b) LG ELECTRONICS Inc. has not been notified by the CONSUMER of the defects of the PRODUCT during the applicable warranty period.
 - (c) The PRODUCT serial number code or the accessory date code has been removed, defaced or altered.
 - (d) The PRODUCT has been used with or connected to an accessory (i) not supplied by LG ELECTRONICS Inc. or its affiliates, (ii) not fit for use with the PRODUCT or (iii)

- used otherwise than in the manner intended.
- (e) The seals of the PRODUCT'S battery enclosure have been broken or show evidence of tampering or the PRODUCT'S battery has been used in equipment other than that for which it has been specified usable by LG ELECTRONICS Inc.
- (f) All plastic surfaces and all other externally exposed parts that are scratched or damages due to normal customer use.
- (g) Breakage or damage to antenna unless caused by defects in material or workmanship.
6. In order to derive the benefits of this warranty in respect of any defects in the PRODUCT, the CONSUMER shall ship the PRODUCTS or part thereof at its cost to the authorized service center of LG ELECTRONICS Inc. LG ELECTRONICS Inc. shall bear the cost of shipping the PRODUCT or part thereof back to the CONSUMER after the completion of the service under this limited warranty.
- NO OTHER EXPRESS WARRANTY IS APPLICABLE TO THIS PRODUCT. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE IS LIMITED TO THE DURATION

Limited Warranty Statement

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

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

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

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

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