



# User Guide

VN220

User Guide

VN220

MFLXXXXXXXXX(1.0) ME

VN220

Guía del  
Usuario



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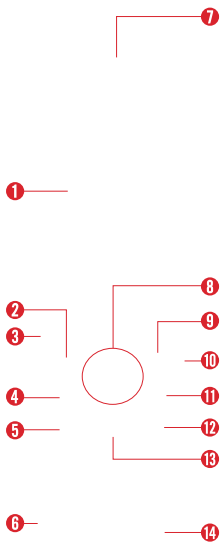
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## Phone Overview



1. **Main Screen** Displays messages, indicator icons and active functions.
2. **Left Soft Key** Performs functions identified on the bottom-left corner of the screen.
3. **Headset Jack** Allows you to plug in an optional 3.5mm headset for convenient, hands-free conversations.
4. **Message Key** Quickly and easily opens a new text message.
5. **SEND Key** Use to make and answer calls. Press from standby mode to access the All Calls list.
6. **USB/Charger Port** Connects the phone to the Wall/USB charger, or other compatible accessories.
7. **Earpiece** Lets you hear the caller and automated prompts.
8. **OK Key / Navigation Key** Use the OK Key  to select options and menus. Use the Navigation Key  to scroll through the menu items and highlight a specific field or object.
9. **Right Soft Key** Performs functions identified on the bottom-right corner of the screen.
10. **Camera Key** Briefly press to access camera mode to take pictures.
11. **Speakerphone Key** Use to enable or disable the speakerphone mode.

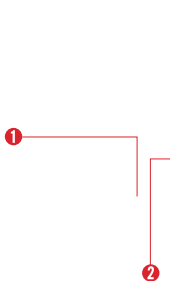
\* Standby mode is when the phone is waiting for input from you. No menu is displayed and the phone isn't performing any action. It's the starting point for all of the instruction steps.



12. **PWR/END Key** Use to turn the power on/off and to end a call. Also exits menus and returns to standby mode.
13. **Clear / Voice Commands Key** Deletes single spaces or characters with a quick press, or press and hold to delete entire words in text entry screens. Press to back out of menus, one level at a time. Use for quick access to Voice Commands from standby mode.
14. **Vibrate Mode Key** Use to set Vibrate mode (from standby mode press and hold for about 3 seconds).

# Phone Overview

## Rear view



1. SIM Card Slot
2. Battery
3. Back Cover

### NOTE

The antenna is located inside your phone.

### Tip

If you hold the phone enclosing the lower edge, you may interfere with the antenna's ability to receive a clear signal which affects call quality for voice or data transfer.



### NOTE

- It's important to fully charge the battery before using the phone for the first time.
- Battery life and signal strength are significant factors (among others) that affect your phone's ability to send/receive calls or data transfer.

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### Contacts

1. New Contact
2. Contact List
3. Backup Assistant
4. Favorites
5. Groups
6. Speed Dials
7. In Case of Emergency
8. My Name Card

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  1. Shop Ringtones
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  3. My Sounds

2. Pictures
  1. Shop Pictures
  2. My Pictures
  3. Take Picture
3. Games
4. Internet
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1. Memory Usage
2. My Pictures
3. My Ringtones
4. My Sounds
5. My Contacts

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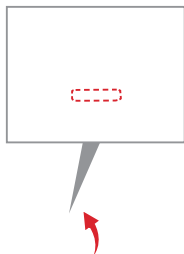
1. My Number
2. Mobile Network
3. SW/HW Version
4. Icon Glossary
5. Software Update
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# Getting Started with Your Phone

## Step 1. Remove the Back Cover

Use the fingertip cutout at the bottom of the phone to pull the back cover off.



## Step 2. Insert the Battery

Align the battery contacts with the terminals in the battery compartment and push the battery down until it clicks into place.



## Step 3. Replace the Back Cover

Place the back cover over the battery compartment, then press it downward until it clicks into place.



## Step 4. Charge the Phone

Your device comes with a Wall/USB charger and a USB cable which connect together to charge your phone.

Before turning on your phone, charge it fully.



USB cable

**NOTICE:** Please make sure that the '⚡' side faces up before inserting a charger or USB cable into the Accessory/Charger Port of your phone.

# Getting Started with Your Phone

## Removing the Battery

1. Turn the phone off.
2. Use the fingertip cutout at the bottom of the phone to pull the back cover off.
3. Use the fingertip opening near the bottom of the battery compartment to lift the battery out.

## Charging with USB


You can use your computer to charge your phone. To be able to charge with the USB cable, you may need to have the necessary USB Driver installed on your PC first. Connect one end of the USB cable to the Accessory/Charger Port on your phone and the other end to the USB port on your PC.

**NOTE** Low-power USB ports are not supported, such as the USB ports on your keyboard or bus-powered USB hub.


## Battery Temperature Protection

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

## Battery Charge Level

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

## Signal Strength

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


## Powering your phone on/off


To turn your phone on or off, press and hold the PWR/END key.


# Getting Started with Your Phone

## Making Calls


With the phone open, enter the phone number using the keypad.

 Press the **SEND** Key to dial the number.


 Press the **PWR/END** Key to end the call.

**NOTE** Your phone has a Voice Commands feature that also lets you make calls by saying a phone number or Contact name. To access it, press  and say Call followed by the name or number.

## Correcting Dialing Mistakes

While entering a phone number, press the **Clear/Voice Commands Key**  once to erase the last digit entered, or hold it down for at least two seconds to delete all the digits.


## Redialing Calls


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


## Receiving Calls


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

When the flip is open, the following options are available.

 **[Quiet]** Press the Left Soft Key to mute the ringing or vibration for that call.




 **[Ignore]** Press the Right Soft Key to end the call and send the caller directly to Voice mail.

 **[TXT]** Press to end the call and send a quick text message.

 Press the **PWR/END** Key to end the call, or simply close the flip.

## Screen Icons

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

To see the icon glossary, with the flip open, press  **[MENU]** >  **Settings & Tools > Phone Info >  Icon Glossary** and select a subcategory.



## Quick Access to Convenient Features

### Vibrate Mode



Sets the phone to vibrate instead of ringing (📞 is displayed). To set Vibrate Mode, with the flip open, press and hold **#\*#**. To return to Normal Mode, press and hold **#\*#** again.

### Sounds Off



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


From standby mode with the flip open, press and hold the **Volume Down Key** . To return to normal sounds mode, press and hold the **Volume Up Key** .

### Mute Function

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


### Quick Volume Adjustment

Quickly adjust ringer and earpiece volumes by pressing the Volume Keys  on the left side of the phone. Press the **Volume Up Key** 

to increase and **Volume Down Key**  to decrease the volume.



**NOTE** The earpiece volume can only be adjusted during a call and Keypad Volume can only be adjusted through the Sounds Settings menu.

### Quick Font Resize

When you view messages, enter phone numbers, or view sub-menus, press the Volume Keys  to quickly adjust the font size.

**NOTE** Not supported on the Grid Main menu.

### Call Waiting





During a call, one beep indicates another incoming call. Press the **SEND Key**  to answer it and put the first call on hold. Press the **SEND Key**  again to return to the first call.

### 3-way call

You can talk with two people at the same time with a three-way conversation on your wireless phone. Airtime and other charges, which may include toll or long distance charges, will apply for all simultaneous calls until you end one call.




## Quick Access to Convenient Features

1. While on the first call, dial the 10-digit number of the second person.
2. Press the **SEND Key** . The first person is automatically put on hold while the call is made.
3. When the second person answers, press  **[MERGE]** to create a conference call.
4. If the second person does not answer, press the **SEND Key**  twice to end the connection and go back to the first person.
5. To end both conversations completely, press the **PWR/END Key** .

### Caller ID

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

### Voice Commands

Voice Commands allow you to do things by verbal command (e.g., make calls, check Voice mail, etc.). With the flip open, press the **Clear/Voice Commands Key**  on the keypad.







1. **Call** Say "Call" and then call someone simply by saying the name or phone number.
2. **Send Msg to Say** "Send Message" and the command will prompt you for the type of message.
3. **Go to** This allows you to access a menu within the phone.
4. **Check** This allows you to check out a wide range of items such as **Phone Status**, **Voice mail**, **Messages**, **Missed Calls**, **Time**, **Signal Strength**, **Battery Level**, **Volume**, **Balance**, **Minutes**, **Payment** and **My Number**.
5. **Contacts** You can look up names in your **Contacts** as well as manage your **Contact List** including creating, erasing or modifying.
6. **Search** Say "Search" to open **Verizon Opera Mini** to perform a search.
7. **Redial** Say "Redial" and the phone will redial the last phone number.
8. **My Verizon** This command provides you with direct access to your **Verizon Wireless** account information.
9. **Help** Provides a general guideline to using **Voice Commands**.

## Quick Access to Convenient Features


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

## Text Input

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

-  **Left Soft Key:** Press to change the text input mode.
-  **Shift:** Press to change capitalization (initial cap, caps lock, lowercase).
-  **Space:** Press to insert a space.
-  **Next:** Press to display other matching words in the database in T9 word mode.
-  **Clear:** Press to delete a single space or character. Press and hold to delete entire words or sentences.
-  **Punctuation:** Press to insert punctuation symbols.

## Text Input Modes

In a text field, press the Left Soft Key  to select a text input mode:

T9 Word/ Abc/ ABC/ 123/  
T9 Palabra/ Symbols/ Quick  
Text/ Simplified Chinese  
(拼音) /Korean (가)

### NOTE

- T9 Palabra is the Spanish counterpart of T9 Word which utilizes accents, tildes, etc. for correct Spanish word spelling.
- Simplified Chinese supports PinYin as entry mode.
- Korean provides a key guide. To use the key guide, select Options > Show Key Guide.

# Contacts in Your Phone's Memory

## Creating a Contact

1. With the flip open, enter a number (max. 48 digits), then press the Left Soft Key **[Save]**.
2. Use the Navigation Key **[Up]** to highlight **Add New Contact** or **Update Existing**, then press **[OK]**.
3. Use the Navigation Key **[Up]** to highlight **Mobile 1/ Home/ Business/ Mobile 2/ Fax**, then press **[OK]**.
4. Enter a name (max. 32 characters), and any additional information, then press **[OK]** **[SAVE]**.

**NOTE** If you inserted SIM card in your phone, you can also save the contact into your SIM card.

**NOTE** If you selected the number type after selecting **Update Existing**, the contact information is automatically updated.

## Customizing Individual Entries

1. With the flip open, press the Right Soft Key **[Contacts]**, then use the Navigation Key **[Up]** to highlight an entry.
2. Press the Left Soft Key **[Edit]**.
3. Use the Navigation Key **[Up]** to highlight the information to customize.

4. Change the entry as you want, then press **[OK]** **[SAVE]** to save your changes.

## Speed Dial


Allows you to set up your Speed Dials.

1. With the flip open, press the Right Soft Key **[Contacts]**, then use the Navigation Key **[Up]** to highlight an entry.
2. Press the Left Soft Key **[Edit]**.
3. Use the Navigation Key **[Up]** to highlight a phone number, then press the Right Soft Key **[Options]**.
4. Use the Navigation Key **[Up]** to highlight **Set Speed Dial**, then press **[OK]**.
5. Select a Speed Dial digit.
  - Enter a digit using the keypad, then press **[OK]** **[SET]**.
  - Use the Navigation Key **[Up]** to highlight the Speed Dial digit, then press **[OK]** **[SET]**.
6. Press **[OK]** **[Yes]** to confirm, then press **[OK]** **[SAVE]** to update your contact entry.





# Contacts in Your Phone's Memory

## Storing a Number with Pauses


Pauses allow you to enter additional series of numbers to access automated systems such as Voice mail or credit billing numbers. Pause types are:

**Wait (W)** The phone stops dialing until you press the Left Soft Key  [Release] to advance to the following series of numbers.









**2-Sec Pause (P)** The phone waits two seconds before dialing the next string of digits.

1. With the flip open, enter the phone number, then press the Right Soft Key  [Options].
2. Use the Navigation Key  to highlight Add 2-Sec Pause or Add Wait, then press .
3. Enter the additional number(s) (e.g., pin number, credit card number, etc.).
4. Press the Left Soft Key  [Save].
5. Choose Add New Contact or Update Existing.
6. Choose Mobile 1/ Home/ Business/ Mobile 2/ Fax.
7. Continue entering information for the Contact entry as necessary.

**NOTE** If you selected the number type after selecting Update Existing, the contact information is automatically updated. You do not have the option to enter additional information.




8. Press  [SAVE] to update your contact entry.

## Adding a Pause to an Existing Contact Entry





1. With the flip open, press the Right Soft Key  [Contacts].
2. Use the Navigation Key  to highlight a Contact entry, then press the Left Soft Key  [Edit].
3. Use the Navigation Key  to highlight the number, then press the Right Soft Key  [Options].
4. Press  Add 2-Sec Pause or  Add Wait.
5. Enter the additional number(s), then press  [SAVE] to update your contact entry.

## Adding Another Phone Number






### From standby mode

1. With the flip open, enter a phone number, then press the Left Soft Key  [Save].
2. Use the Navigation Key  to highlight Update Existing, then press .

## Contacts in Your Phone's Memory




3. Use the Navigation Key  to highlight an existing entry then press  to update your contact entry.
4. Use the Navigation Key  to highlight **Mobile 1/ Home/ Business/ Mobile 2/ Fax**, then press  to update your contact entry.



### From the Contact List Screen

1. With the flip open, press the Right Soft Key  [**Contacts**].
2. Use the Navigation Key  to highlight an entry, then press the Left Soft Key  [**Edit**].
3. Use the Navigation Key  to highlight the phone number field you wish to add. Then enter the number and press  [**SAVE**] to update your contact entry.

### Changing Saved Information










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

1. With the flip open, press the Right Soft Key  [**Contacts**].
2. Use the Navigation Key  to highlight a Contact entry, then press the Left Soft Key  [**Edit**].

3. Use the Navigation Key  to highlight the field you want to change.
4. Make the changes, then press  [**SAVE**] to update your contact entry.

### Changing the Default Number

The default number is the phone number you first entered when you created the Contact. However, another number can be saved as the default number.

1. With the flip open, press the Right Soft Key  [**Contacts**].
2. Use the Navigation Key  to highlight an entry.
3. Press the Left Soft Key  [**Edit**].
4. Use the Navigation Key  to highlight a phone number, then press the Right Soft Key  [**Options**].
5. Use the Navigation Key  to highlight **Set As Default**, then press .
6. Press  [**Yes**] to confirm the new number as the default. A confirmation message is displayed.
7. Press  [**SAVE**] to update your contact entry.

## Deleting

### Deleting a Contact Entry

1. With the flip open, press the Right Soft Key **[-]** [Contacts].
2. Use the Navigation Key **⬤** to highlight an entry.
3. Press the Right Soft Key **[-]** [Options].
4. Press **[Erase]**.
5. Press **[OK]** [Yes] to confirm.

### Removing a Speed Dial

1. With the flip open, press the Right Soft Key **[-]** [Contacts].
2. Use the Navigation Key **⬤** to highlight a Contact entry to edit and press **[OK]** [VIEW].
3. Highlight the phone number with the Speed Dial, then press **[OK]** [EDIT].
4. Press the Right Soft Key **[-]** [Options].
5. Press **[1]** Remove Speed Dial.
6. Press **[OK]** [Yes] to confirm.
7. Press **[OK]** [SAVE] to update your contact entry.

## Speed Dialing

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

**NOTE** Speed Dial 1 is reserved for Voice mail.

### Single Digit Speed Dials

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

### Multiple Digit Speed Dials

When you press and hold a number key, it signals the phone to call a Speed Dial. To dial Speed Dials with multiple digits, press the first digit(s), then press and hold the last digit. For example, to call Speed Dial 25, press **[2-5]**, then press and hold **[5]**.

**NOTE** You can also enter the Speed Dial digit(s) and press the SEND Key **[SEND]**.

### Speed Dials 96, 97, 98, and 99


Speed Dials 96, 97, 98, and 99 are preset to access certain phone account information:

96 (#DATA - Data Used),  
97 (#BAL - Check Balance),  
98 (#MIN - Minutes Used),  
99 (#PMT - Make a Payment).

Unlike Speed Dial 1, these can be changed if you want.

## Contacts






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

**Shortcut** The Right Soft Key  is a shortcut key to the Contact List from standby mode.

### 1. New Contact

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








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

1. With the phone open, press  [MENU].
2. Press  Contacts.
3. Press  New Contact.
4. Enter the name and press the Navigation Key  downward until the phone number type you want is highlighted.
5. Enter the number and any additional contact information and press  [SAVE] to update your contact entry.

**NOTE** For more detailed information, see page 18.

### 2. Contact List

Allows you to view your Contact List.

1. With the phone open, press  [MENU].
2. Press  Contacts.
3. Press  Contact List.
4. Use the Navigation Key  to scroll through your Contacts alphabetically.
  - Press the Right Soft Key  [Options] to select one of the following:  
New Contact/ Erase/  
New Message/  
Set As ICE Contact/ Call/  
Manage Contacts/ Set As  
Favorite/ Filter Contacts /  
Search Entry Mode
  - Press the Left Soft Key  [Edit] to edit.
  - Press  [VIEW] to view the entry details.




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



### 3. Backup Assistant





You can save your phone's address book to a secure server. If your phone is lost or damaged, or if you upgrade to a new phone, Backup Assistant will restore your contacts. Go to [verizonwireless.com/baplus](http://verizonwireless.com/baplus).

**NOTE** Subject to specific terms of use. See [verizonwireless.com/baplus](http://verizonwireless.com/baplus) for details.







1. With the phone open, press  [MENU].
2. Press  **Contacts**.
3. Press  **Backup Assistant**.
4. Follow the instructions to configure the application.

### 4. Favorites

Allows you to add Contact entries or Contact groups to your list of Favorites to easily view, call, or send messages.




1. With the phone open, press  [MENU].
2. Press  **Contacts**.
3. Press  **Favorites**.
4. Press  [ADD].

**Shortcut** You can add up to 10 Contacts and/or Contact groups as Favorites to easily make calls, send messages, and view messages.



5. Select whether you want to add a favorite from your **Contacts** or **Group**.
6. Use the Navigation Key  to scroll through your Contacts or Groups alphabetically and press  [MARK].
7. Press the Left Soft Key  [Done]. Once you have added Contacts to the Favorites list, the following options will become available in the Favorites menu:  
 Left Soft Key : View  
 OK Key : New Message/  
 View Messages  
 Right Soft Key : Options  
 Move Position/ Remove/  
 Remove All/ Set As ICE  
 Contact

### 5. 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. Open the flip and press  [MENU].
2. Press  **Contacts**.
3. Press  **Groups**.


## 4. View a Group

Use the Navigation Key  to highlight a group, then press  [VIEW].

### Add a New Group



Press the Left Soft Key  [New] to add a new group to the list. Enter a name and picture (if desired) and press  [SAVE].

### Group's options



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



New Message/ Edit Group  
Name & ID/ Edit Members/  
Erase Group/ Set As Favorite/  
Search Entry Mode

## Adding Contacts to a Group

1. From Groups submenu, press  [VIEW] and press  [ADD].










OR

If the Group already has members added, highlight the group name and press the Right Soft Key  [Options], then press  Edit Members.

2. Highlight a desired contact and press  [MARK].
3. Press the Left Soft Key  [Done] to add contact to a group.


## 6. Speed Dials

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

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

## 7. In Case of Emergency (ICE)

This menu allows you to store names, phone numbers and other information, which will be very helpful in case of emergency.

1. Open the flip and press  [MENU].

2. Press **1** **Contacts**.
3. Press **7** **In Case of Emergency**.
4. Use the Navigation Key **○** to highlight **Contact 1, 2, or 3**, then press **OK** **[ADD]**.
5. Press **1** **From Contacts** or **2** **From Favorites** to add a Contact from your Contact List.

OR

Press **B** **New Contact** to enter information not stored in your Contact List.

6. Select the contact and press **OK**.
7. The Contact label changes to the specified name.

## Entering Your ICE Personal Info

1. Open the flip and press **OK** **[MENU]**.
2. Press **1** **Contacts**.
3. Press **7** **In Case of Emergency**.
4. Use the Navigation Key **○** to highlight **Personal Info**, then press **OK** **[VIEW]**.
5. Use the Navigation Key **○** to highlight one of the **Note** entries, then press **OK** **[ADD]**.

6. Enter information that would be helpful in an emergency (e.g., your medical record number), then press **OK** **[SAVE]**. The note label changes to the text entered.

**Shortcut** When you've assigned ICE Contacts and your phone is locked, the Left Soft Key **≡** appears as **[ICE]** allowing the emergency information to be viewed without unlocking the phone.

## To unassign an ICE Contacts

From the ICE Contacts menu, press the Right Soft Key **≡** **[Options]**, then press **2** **Unassign**. Then press **OK** **[Yes]**.

## To delete Personal Info entry




From the Personal Info menu, press the Right Soft Key **≡** **[Erase]**. Then press **OK** **[Yes]**.


## 8. My Name Card

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


1. Open the flip and press **OK** **[MENU]**.
2. Press **1** **Contacts**.
3. Press **B** **My Name Card**.

## Contacts


4. Press  [EDIT] to enter your personal Contact information.
5. Use the Navigation Key  to scroll to the information you want to enter.
6. Enter your information as necessary, then press  [SAVE].

**NOTE** Press the Right Soft Key  [Send] to send your name card.

## Messaging



**Shortcut** From standby mode, pressing the Left Soft Key  is a shortcut to Messages.

Depending on the content and size of your messages, the phone can store up to 790 messages (including a max. of 300 text messages, 100 emergency alerts, 100 multimedia message notifications, and 100 multimedia messages in the Inbox; 100 text messages and 50 multimedia messages in the Outbox; 20 text messages and 20 multimedia messages in Drafts). Content stored in the message may be limited by phone model and service capability. Other limits to available characters per message may exist. Please check with your service provider for system features and capabilities.

- When viewing a received message, you can call the sender back by pressing the SEND Key .

### New Message Alert





Your phone can alert you when you have new messages. Options include:

1. The phone displays a message on the screen.
2. The message icon () is displayed on the screen. In case of a high priority message, the icon () will appear.



## 1. New Message

Allows you to send messages (Text, Picture, and Voice). Depending on the type of message you choose to send, you can also attach files to your messages including pictures, sounds, voice recordings and name cards.







### The Basics of Sending a Text Message

1. Open the flip and press  [MENU].
2. Press  Messaging.
3. Press  New Message.  
To access this feature, you can press the Message key .
4. Enter a phone number or a recipient's name in the To field.  
As you enter the phone number or a recipient's name, matching contacts appear. You can choose a suggested recipient or continue entering the phone number.

# Messaging











5. Press  to access the text field.
6. Use the keypad to enter your message.
7. Press  [SEND].

## Select Recipient(s) Using Add








1. Open the flip and press  [MENU].
2. Press  Messaging.
3. Press  New Message.
4. With the **To** field highlighted, press the Right Soft Key  Add.
5. Select an option and press .
  - From Contacts** To select a recipient from your Contact List.
  - From Recent Calls** To select a recipient from Recent Calls.
  - Favorites** To select a recipient from Favorites.
  - Groups** To Select a recipient from your Groups.
6. Use the keypad to enter your message.
7. Press  [SEND].

## Multimedia Message Using Options

Allows you send messages with text, picture, sound and name card attachments.

1. Open the flip and press  [MENU].
2. Press  Messaging.
3. Press  New Message.
4. Enter a phone number or a recipient's name in the **To** field.
5. Press  to access the text field.
6. Use the keypad to enter your message.
7. Press the Right Soft Key  Options.
8. Select an option and press .
  1. **Attach**
    1. **Picture:** Highlight a picture, then press .
    2. **Take Picture:** Take a picture of the subject and press .
    3. **Sound:** Highlight a sound, then press .
    4. **Record Voice:** Press  to start recording and then press  to STOP.

## 5. Name Card





1. **My Name Card:** Press  to add.
2. **From Contacts:** Press  [MARK] to mark the name cards and press  [Done].
2. **Insert Quick Text** Highlight the text and press .
3. **Save As Draft** Press  to save as draft.
4. **Priority Level** Choose from **High** or **Normal** and press  [SET].
5. **Cancel Message** Select **Yes** to save the message in drafts or **No** to cancel the message without saving the message in drafts.
9. Use the keypad to enter your subject in the subject field.
10. Press  **Send**.

## 2. Messages

The phone alerts you when you receive a new message:

- By displaying a notification message on the screen.
- By sounding a tone or vibration, if set.

## Viewing Your Inbox

1. Open the flip and press the Left Soft Key  [Message].
2. Highlight a message. The following options are available.
  - Press  [OPEN] to view the message.
  - Press the Left Soft Key  [Reply] to reply to the message.
  - Press the Right Soft Key  [Options] to access the following options:

**Erase** Allows you to erase the message.

**Add To Contacts** Stores the callback number, email address, and numbers from the address of the received message into your Contacts.

**Manage Messages** Allows you to Erase, Lock, and Unlock messages.






















**Sort Alphabetically** Allows you to sort your messages in alphabetical order.

**Messaging Menu** Takes you to the Messaging menu.

**Settings** Allows you to change various Messaging settings.

# Messaging

## Message Icon Reference

-  New TXT Message
-  Read TXT Message
-  Unopened Multimedia Message Notification
-  Opened Multimedia Message Notification
-  Unread Multimedia Message
-  Read Multimedia Message
-  Message Delivered
-  Message Failed
-  Pending Message
-  Message Sent
-  New Webmail
-  Webmail Read
-  Multiple Messages Delivered
-  Multiple Messages Failed
-  Multiple Message Delivery Incomplete
-  Multiple Pending Messages
-  Multiple Messages Sent
-  New Group Message
-  Read Group Message
-  Group Message Delivered
-  Group Message Failed

 Group Message Delivery Incomplete

 Pending Group Message

 Group Messages Sent

 TXT Message Draft

 Media Message Draft

 Namecard







 High Priority

 Lock

\* Multimedia Message indicates Picture/Voice Message.

## 3. Drafts

Saved message drafts are stored here.

1. Open the flip and press  [MENU].
2. Press  **Messaging**.
3. Press  **Drafts**.
4. Highlight a message. The following options are available.
  - Press  [EDIT] to continue editing the message.
  - Press the Left Soft Key  [Erase] to erase the message.
  - Press the Right Soft Key  [Options] for the following options.



**Send** Sends the selected message.

**Add To Contacts** Stores the number, email address, and numbers from the address included in the message into your Contacts.

**Manage Drafts** Allows you to manage (erase or lock) messages.

## Message Icon Reference




 Draft Text Message





 Draft Multimedia Message

## 4. Voice mail





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

### Checking Your Voice mail Box


1. Open the flip and press  [MENU].
2. Press  Messaging.
3. Press  Voice mail.
4. The following options are available.



- Press the Left Soft Key  [Clear] to clear the Voice mail Counter, then then press  [Yes].
- Press the SEND Key  or  [CALL] to listen to the message(s).

OR

1. Enter    and press the SEND Key  from your phone or dial your wireless phone number from any touch-tone phone.


OR

Press and hold  from your phone, as a speed dial to your voice mail.

2. When the recorded announcement begins, press  to interrupt (if applicable).
3. When prompted, enter your password, then .

## 5. Social Networks

The upgraded text-based social networks allow you to update your status, picture upload, and write on someone's wall by sending a text message.

1. Open the flip and press  [MENU].

# Messaging

2. Press **[OK]** **Messaging**.
3. Press **[S.M]** **Social Networks**.
4. Select one of the social networking service providers.
5. Update your information as desired.

**NOTE** Press the Right Soft Key **[Options]** and select **Help** to find out how to subscribe to text-based updates.

## Messaging Settings

Allows you to configure settings for your messages.

1. With the flip open, press **[MENU]**.
2. Press **[OK]** **Messaging**.
3. Press the Left Soft Key **[Settings]**.
4. Use the Navigation Key **[Up]** to highlight one of the settings and press **[OK]** to select it.

### Message Settings Sub-Menu Descriptions

#### 1. Inbox View

Select **Time** to display messages chronologically in Inbox and Sent folders. Select **Contact** to sort all messages alphabetically by Contact in one message folder.

**NOTE** By default, Contact is set as the Inbox View setting. If changed to Time, the Messaging menu will appear differently.

#### 2. Entry Mode

Select **T9 Word, Abc, ABC, 123, T9 Palabra, Simplified (拼音)** or **Korean (가)** to be your default input method.

#### 3. Auto Save Sent

Select **On** to automatically save your Sent messages. Select **Off** if you don't want to save automatically. Select **Prompt** to be asked to save.

#### 4. Auto Erase Inbox

Select **On** to automatically delete read messages when you exceed the storage limit. Or, select **Off**.

#### 5. Messaging Font Size

Select **Small, Normal** or **Large** for the size of the Messaging characters.

## 6. TXT Auto View

Select **On** to automatically display message content on the screen. Select **On + Readout** to automatically display content and read it aloud. Select **Off** for more security and privacy by requiring the message to be opened to view it.

## 7. TXT Instant Reply

Select **On** to text a reply instantly. Or, select **Off**.

## 8. Group Messaging

Select default setting for messages to multiple contacts.

If you select **Group Conversation**, recipients can reply to whole group.

If you select **Individual Messages**, recipients can reply only to you.

## 9. TXT Auto Scroll

Select **On** to automatically scroll text down while viewing messages. Or, select **Off**.

## 10. Multimedia Auto Receive

Select **On** to automatically download attachments to Multimedia messages. Or, select **Off**.

## 11. Quick Text

Displays your list of Quick Text phrases to help you to reduce manual input into messages. Use this submenu to edit and add text.

## 12. Emergency Alert

Set your configuration for receiving emergency alerts. This menu has three options: **Receive Alerts/Alert Reminder/Alert Vibrate**

## 13. Voice mail #

Allows you to manually enter the access number for Voice mail Service. This number should be only used when a VMS (Voice mail Service) access number is not provided by the network.


## 14. Callback #

Select **On** to automatically send a designated callback number with your messages. Or, select **Off**.

## 15. Signature

Select **Custom** to create/edit a signature to automatically send with your messages. Select **None** for no signature.

## 16. Delivery Receipt




When **Delivery Receipt** is set to **On**, you can see if your sent messages have been delivered (). Or select **Off**.

## 17. TXT-Media Msg Notification


Displays pop-up notification when switching message types between text and media.

## Erasing Messages

You can erase messages stored in your Inbox, Sent, or Drafts folders. You can also erase all messages at the same time.

1. Open the flip and press  **[MENU]**.
2. Press  **Messaging**.
3. Press the Right Soft Key  **[Options]** then select one of the following:

Erase Sent/Received/ Erase Drafts/ Erase All Messages

4. Press  **[Yes]** to confirm the deletion or select which messages you want to delete.








A confirmation message is displayed.

## Recent Calls


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

### 1. Missed

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








1. Open the flip and press  [MENU].
2. Press  Recent Calls.
3. Press  Missed.
4. Use the Navigation Key  to highlight an entry, then
  - Press  [OPEN] to open the entry.
  - Press the SEND Key  to place a call to the number.
  - Press the Right Soft Key  [Options] to select:
 


Save To Contacts (Contact Info)/ Erase/ Lock(Unlock)/ Erase All/ View Timers

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

### 2. Received









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

1. Open the flip and press  [MENU].
2. Press  Recent Calls.
3. Press  Received.
4. Use the Navigation Key  to highlight an entry, then
  - Press  [OPEN] to open the entry.
  - Press the SEND Key  to place a call to the number.
  - Press the Right Soft Key  [Options] to select:
 

Save To Contacts (Contact Info)/ Erase/ Lock(Unlock)/ Erase All/ View Timers
  - Press the Left Soft Key  [Message] to send a message to the number.









### 3. Dialed


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

1. Open the flip and press  [MENU].
2. Press  Recent Calls.
3. Press  Dialed.
4. Use the Navigation Key  to highlight an entry, then
  - Press  [OPEN] to open the entry.
  - Press the SEND Key  to place a call to the number.
  - Press the Right Soft Key  [Options] to select:  
Save to Contacts(Contact Info)/ Erase/ Lock(Unlock)/ Erase All/ View Timers
  - Press the Left Soft Key  [Message] to send a message to the number.

### 4. All





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

1. Open the flip and press  [MENU].
2. Press  Recent Calls.
3. Press  All.
4. Use the Navigation Key  to highlight an entry, then
  - Press  [OPEN] to open the entry.
  - Press the SEND Key  to place a call to the number.
  - Press the Right Soft Key  [Options] to select:  
Save to Contacts(Contact Info)/ Erase/ Lock(Unlock)/ Erase All/ View Timers
  - Press the Left Soft Key  [Message] to send a message to the number.



**Shortcut** To view a quick list of all your recent calls, press the SEND Key  from standby mode.

## 5. View Timers

Allows you to view the duration of selected call types.

1. Open the flip and press  [MENU].
2. Press  Recent Calls.
3. Press  View Timers.
4. Use the Navigation Key  to highlight 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. Press the Left Soft Key  [Reset] to reset the highlighted timer.
6. Reset all the recorded timers by pressing the Right Soft Key  [Reset All].

**NOTE** Lifetime Calls and Lifetime Data Counter cannot be reset.

### Internet

Allows you to access news, sports, weather, and email from your Verizon Wireless device. Accessibility and selections within this feature are dependent upon your service provider. For specific information on Internet access through your phone, contact your service provider.

**Shortcut** Pressing the Left Navigation Key  is the shortcut to accessing the Internet when the flip is open.

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

**NOTE** Refer to the Media Center section on the following page for more Internet information.






## Media Center

Everything you need to know while you're on the go.

### 1. Tunes & Tones





Personalize your phone with ringtones. A wide variety of choices are available, such as current hits, pop, hip-hop, and more.

#### Access and Options

1. With the phone open, press  [MENU].
2. Press  Media Center.
3. Press  Tunes & Tones.
4. Select a submenu by pressing the number that corresponds with the submenu.

#### 1.1 Shop Ringtones

Allows you to download ringtones.

1. With the phone open, press  [MENU].
2. Press  Media Center.
3. Press  Tunes & Tones.
4. Press  Shop Ringtones.











If there is no application downloaded, it will directly access a server to browse for an application.

OR

If there are applications downloaded, press **Get New Applications** to browse for and download new applications.

#### 1.2 My Ringtones

Allows you to select a desired ringtone.








1. With the phone open, press  [MENU].
2. Press  Media Center.
3. Press  Tunes & Tones.
4. Press  My Ringtones.
5. Use the Navigation Key  to highlight a ringtone and press  [PLAY] to play the ringtone or the Left Soft Key  [Set As] to set the ringtone as:
  -  **Ringtone:** Sets the ringtone for your incoming calls.
  -  **Contact ID:** Highlight and select the Contact to be identified by 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/ Voice  
mail






## 1.3 My Sounds

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




### How to record a new sound

1. With the phone open, press  [MENU].
2. Press  Media Center.
3. Press  Tunes & Tones.
4. Press  My Sounds.
5. Press  Record New and press  to start recording, then press  [STOP] to end recording.

### How to select a sound

1. With the phone open, press  [MENU].
2. Press  Media Center.
3. Press  Tunes & Tones.
4. Press  My Sounds.
5. Use the Navigation Key  to scroll and highlight a preloaded sound.




### Options with a sound file highlighted:

- Press the Left Soft Key  [Set As] to set it as the Ringtone, Contact ID or Alert Sounds.
- Press  [PLAY].
- Press the Right Soft Key  [Options] to select:  
Send/ Rename/ Lock/ Erase/  
Erase All/ File Info

## 2. Pictures





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

### Access and Options

1. With the phone open, press  [MENU].
2. Press  Media Center.
3. Press  Pictures.
4. Browse the submenu.

### 2.1 Shop Pictures

Allows you to download pictures.

1. With the phone open, press  [MENU].
2. Press  Media Center.
3. Press  Pictures.
4. Press  Shop Pictures.

If there is no application downloaded, it will directly access a server to browse for an application.

**OR**

If there are applications downloaded, press **Get New Applications** to browse for and download new applications.

## 2.2 My Pictures

Allows you to view and manage photos stored in the phone.

1. With the phone open, press **[MENU]**.
2. Press **[Media Center]**.
3. Press **[Pictures]**.
4. Press **[My Pictures]**.
5. Highlight a picture with the Navigation Key.

**The following options are available:**

- Press **[VIEW]** to view it.
- Press the Left Soft Key **[Erase]** to delete it.
- Press the Right Soft Key **[Options]** to select one of the following options:

**Send** New Message/ To Social Network/ Via Bluetooth

**Set As** Main Wallpaper/ Front Wallpaper/ Picture ID

**Take Picture** Opens the camera so you can take a picture.

**Slide Show** Plays all pictures as a slide show.

**Manage Pictures** Allows you to mark multiple pictures to be erased, sent or locked/unlocked.

**Rename** Allows you to change the file name.

**\*Lock (Unlock)** Allows you to lock or unlock. Locked files can't be erased accidentally.

**File Info** Allows you to view information about the file.




\* Only appears when the picture is stored on the phone.

## 2.3 Take Picture


Lets you to take digital pictures.

**Shortcut** Press the Camera Key to open the camera function.

1. With the phone open, press **[MENU]**.
2. Press **[Media Center]**.
3. Press **[Pictures]**.
4. Press **[Take Picture]**.

5. Set the brightness by pressing the Navigation Key  up and down, zoom by pressing the Navigation Key  left and right, and press the Right Soft Key  [Options] to change other settings.

**NOTE** Zooming is not available on the highest resolution.

- Press the Navigation Key  left and right to access the following settings:

**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

**AUTO SAVE** On/ Off




**PREVIEW** Actual view/ Full  
screen

6. Take a picture by pressing  [TAKE].



7. Press the Left Soft Key  [Save]. The picture is stored in My Pictures.
  - Press the Right Soft Key  [Erase] to erase the picture.

### 3. Games

Allows you to access downloaded games and purchase your favorite games.

1. With the phone open, press  [MENU].
2. Press  Media Center.
3. Press  Games.
4. Choose the game you want to play or select **Get New Applications** to browse for and download new games.



### 4. Internet

1. With the phone open, press  [MENU].
2. Press  Internet.


OR

Press  Media Center, then  
press  Internet.

OR


Press  Media Center, then  
press  Browser & Download,  
then select **Verizon Opera Mini**.

## Ending a Browser Session


End a Browser session by pressing the PWR/END Key .

## Navigating Through the Internet


On-screen items appear in one of the following ways:

- Numbered options  
You can use your numeric keypad or you can select the items by moving the cursor and pressing the appropriate Soft Keys.
- Links embedded in content  
You can act on the options or the links using the Soft Keys just below the display screen.
- Text or numbers  
You can select the items by moving the cursor and pressing .

## Scrolling

Use the Navigation Key . The browser's cursor will highlight currently selected items.


## Fast Scrolling


Press and hold the Navigation Key  to quickly move the cursor up and down on the current screen.

## Soft Keys


To use (if available) special functions press the Soft Keys. The function, associated with the Soft Keys can change for each page and depends on each highlighted item.

### Entering Text, Numbers, or Symbols


When prompted to enter text, you can enter abc, Abc, ABC, 123, symbols using a keypad. To enter an upper case character, press .

To insert a space, \*, #, press .

### Deleting Text/Number Entered




When entering text or numbers, press  to clear the last number, letter, or symbol.

### Initiating a Phone Call From the Internet

You can make a phone call from the Internet if the site you are using supports the feature (the phone number or Call can be highlighted). Highlight the link and press  to place the call. The browser connection is terminated when you initiate the call. After you end the call, your phone returns to the screen from which you initiated the call.

## 5. Browse & Download

Allows you to browse and access your applications, view information about them, and download new applications.

1. With the phone open, press  [MENU].
2. Press  Media Center.
3. Press  Browse & Download.
4. Touch the application you want to run, touch to view information about the application, or touch **Get New Applications** to browse for and download new applications.

## VZ Navigator

Get where you need to be. VZ Navigator tells you where you are, what's nearby, and provides spoken turn-by-turn directions to get you to your destination on time.




Find what you need. With VZ Navigator, easily find everything near you (like restaurants & gas stations) to get there faster.

## Verizon Opera Mini

Allows you to access news, sports, weather, and email from your Verizon Wireless device. Accessibility and selections within this feature are dependent upon your service provider. For specific information on Internet access through your phone, contact your service provider.

## 6. Extras




Allows you to access downloaded more contents.

1. With the phone open, press  [MENU].
2. Press  Media Center.
3. Press  Extras.

## Settings & Tools






### 1. My Verizon

Check your subscription information ranging from your payment plan to your software upgrade or other available service.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  My Verizon.



### 2. Master Volume

Allows you to set the Master Volume settings.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Master Volume.
4. Adjust the volume with the Navigation Key  and press  [SET] to save the setting.

### 3. Accessibility





Allows you to set the Accessibility settings.

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


3. Press  Accessibility.








#### 3.1 Readout

Allows you to set various readout settings.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Accessibility.
4. Press  Readout.

##### 3.1.1 Full Readout








Full Readout reads the screens out loud for blind and low-vision users or when your eyes are busy. To listen to a text message, press the Speakerphone key .

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Accessibility.
4. Press  Readout.
5. Press  Full Readout.
6. Use the Navigation Key  to highlight a setting, then press  [SET].  
On/ Off

## Settings & Tools

### 3.1.2 Menu Readout








Allows the phone to read out the menu.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Accessibility.
4. Press  Readout.
5. Press  Menu Readout.
6. Use the Navigation Key  to highlight a setting, then press  [SET].

On/ Off

### 3.1.3 Digit Dial Readout








Allows you to set the phone to read out the digits entered in the dialing screen.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Accessibility.
4. Press  Readout.
5. Press  Digit Dial Readout.
6. Use the Navigation Key  to highlight a setting, then press  [SET].

On/ Off

### 3.1.4 Caller ID Readout








Allows you to set the phone to read out the caller information.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Accessibility.
4. Press  Readout.
5. Press  Caller ID Readout.
6. Use the Navigation Key  to highlight a setting, then press  [SET].

Ring only/ Caller ID + Ring/  
Name Repeat

### 3.1.5 Passwords Readout

Allows you to set the phone to read out the password when you are entering.








1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Accessibility.
4. Press  Readout.
5. Press  Passwords Readout.
6. Use the Navigation Key  to highlight a setting, then press  [SET].

On/ Off



### 3.1.6 Speech Rate







Allows you to set the speech rate.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Accessibility.
4. Press  Readout.
5. Press  Speech Rate.
6. Use the Navigation Key  to highlight a setting, then press  [SET].

Very Fast/ Fast/ Normal/  
Slow/ Very Slow

### 3.2 Invert Color







Allows you to invert the screen color contrast for people with difficulty perceiving colors.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Accessibility.
4. Press  Invert Color.
5. Use the Navigation Key  to highlight a setting, then press  [SET].

On/ Off

### 3.3 Large Text







Allows you to set the text size to large.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Accessibility.
4. Press  Large Text.
5. Use the Navigation Key  to highlight a setting, then press  [SET].

On/ Off

### 3.4 Mono Audio

Plays the same sounds to both earpieces so you can hear everything with just one ear.







1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Accessibility.
4. Press  Mono Audio.
5. Use the Navigation Key  to highlight a setting, then press  [SET].

On/ Off

# Settings & Tools




## 3.5 Turn Off All Sounds

Allows you to turn off all sounds.


1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Accessibility.
4. Press  Turn Off All Sounds.
5. Use the Navigation Key  to highlight a setting, then press  [SET].  
On/ Off





## 4. Tools

This menu includes useful tools to make your life easier.


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


### 4.1 Voice Commands

This feature provides you with the following options equipped with AVR (Advanced Voice Recognition) technology. Each option has its detailed information on the phone and you can check it out by pressing the Left Soft Key  [Info].

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Tools.
4. Press  Voice Commands.

### Access and Options

**Shortcut** With the flip open, press the Clear/Voice Command Key  on the keypad.

The Voice Commands feature has several settings which allow you to customize how you want to use it. Access Voice Commands, then press the Right Soft Key  [Settings].

**Confirm Choices** Automatic/ Always Confirm/ Never Confirm

**Sensitivity** Set the sensitivity as More Sensitive/ Automatic/ Less Sensitive.

**Train Voice** If the phone often asks you to repeat voice command, 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** or **Earpiece**.
- For Timeout, set **5 Seconds** or **10 Seconds**.

### CLR Key Activation On/ Off

By default, the **Clear/Voice Commands Key**  on the keypad activates the Voice Command feature. To deactivate, change the CLR Key Activation setting to Off.

#### 4.1.1 Call <Name or Number>

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

#### 4.1.2 Send Msg to <Name or Number or Group>

To create a message, say 'Send message' and the command system will prompt you for the contact name, number, or group. It will automatically start a message. If you say a full-sentence command, such as 'Send Message to Bob',

it will automatically start a text message. When using 'Send Message' command, speak clearly and say the name, number or group exactly as it is entered in your Contact List.

#### 4.1.3 Go to <Menu>

The 'Go to' command allows you to access a menu within the phone (for example, 'Go to Calendar').

If no menu option is stated, a list of options will be provided.

#### 4.1.4 Check <Item>

The 'Check' command allows you to check out a wide range of items such as **Phone Status, Voice mail, Messages, Missed Calls, Time, Signal Strength, Battery Level, Volume, Balance, Minutes, Payment** and **My Number**.

#### 4.1.5 Contacts <Name>

You can look up names in your Contacts (for example, 'Contacts John') as well as manage your Contact List including creating, erasing or modifying.

**Call/ Read out/ Create New/ Modify/ Erase**

## Settings & Tools

### 4.1.6 Search

The "Search" command opens the browser and allows you to search for information over the internet.

### 4.1.7 Redial

Say "Redial" and the phone will redial the last phone number.

### 4.1.8 My Verizon






The 'My Verizon' command provides you with direct access to your Verizon Wireless account information.




### 4.1.9 Help



Provides a general guideline to using Voice Commands.





## 4.2 Calculator

Allows you to perform simple mathematical calculations.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Tools.
4. Press  Calculator.
5. Enter the numbers to get the value you want. To clear entered items, press the Left Soft Key  [Clear].





6. Use the Right Soft Key  [Operators] to add other operators.
7. Use the Navigation Key  to enter an operation between numbers and press  [=] for the result.


**NOTE** To insert a decimal, press . To insert + and -, press .

- Press the Up Navigation Key  for + (addition).
- Press the Down Navigation Key  for - (subtraction).
- Press the Left Navigation Key  for ÷ (division).
- Press the Right Navigation Key  for x (multiplication).

## 4.3 Ez Tip Calculator





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

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Tools.
4. Press  Ez Tip Calculator.


5. Enter the variable fields (**Bill**, **Tip (%)**, **Split**) and the corresponding calculation fields (**Tip (\$)** and **Split**) appear automatically.
6. Press the Left Soft Key  [**Reset**] for another calculation.

### 4.4 Eco-Calculator

Allows you to keep track of your walking and cycling distances. The amount of CO<sub>2</sub> that is decreased by walking and cycling is displayed for you to see.

1. Open the flip and press  [**MENU**].
2. Press  **Settings & Tools**.
3. Press  **Tools**.
4. Press  **Eco-Calculator**.
5. Select the Walking or Cycling fields to edit the hours and miles.


**NOTE** The decreasing CO<sub>2</sub> amount is automatically updated when you enter the hour or mile amounts.

6. Press the Left Soft Key  [**Settings**] to set the following settings.

- **Mode** Allows you to switch the Eco-Calculator home screen animation to Person or Tree. Depending on what information you entered last (Walking or Cycling) an animation will appear. The number of trees in the animation is calculated depending on the amount of CO<sub>2</sub> decreased.
- **Character** Allows you to change the character to Man, Woman, or Man & Woman. This option is unavailable when Tree is set as the Mode.
- **Unit** Allows you to change the unit amount to Hour or Mile.
- **My Car** Allows you to select the type of fuel your car uses and the Fuel Efficiency (mpg) of your car to measure the amount of CO<sub>2</sub> discharged.

### 4.5 Calendar

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

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

## Settings & Tools

2. Press Settings & Tools.
3. Press Tools.
4. Press Calendar.
5. Use the Navigation Key to highlight the scheduled day.
6. Press the Left Soft Key [Add].
7. Enter the **Subject**, then scroll down to set the remaining settings.
8. Highlight 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
9. Use the Navigation Key to highlight the setting you want, then press .
10. Press [SAVE] when Calendar information is complete.

### Editing and deleting calendar entries

1. From the calendar entry list, press [VIEW].

2. Press [EDIT] to edit the calendar entry or press the Left Soft Key [Erase] to delete the calendar entry.





## 4.6 Alarm Clock

Allows you to set up to 10 alarms. At the alarm time, your alarm will be displayed on the screen and the alarm will sound.



1. Open the flip and press [MENU].
2. Press Settings & Tools.
3. Press Tools.
4. Press Alarm Clock.
5. Press the Left Soft Key [Add].
6. Use the Navigation Key to highlight the information you want to set, then press the Left Soft Key [Set] to view your setting choices.
7. Enter the alarm information including:
  - Turn On/Off
  - Set Time
  - Repeat
  - Ringtone
8. Press [SAVE] after setting all of the Alarm fields as necessary.

**NOTE** Snooze or Dismiss the alarm using the Soft Keys (flip open).

### How to delete alarms









1. From the Alarm Clock list, press the Right Soft Key  [Options] to view the available options.
2. Press  Erase to delete an alarm or  Erase All to delete all alarm entries.
3. Press  [Yes].


### How to edit alarms





1. From the Alarm Clock list, press  [VIEW] and then press  [EDIT].

## 4.7 Info Search

Allows you to search items stored on the phone.








1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Tools.
4. Press  Info Search.
5. Enter two or more characters in the search field and press  [SEARCH].
6. By default, the phone will search all the categories. To specify the categories, highlight All and press the Left Soft Key  [Set]. Use the Navigation Key  to highlight a category and press  [MARK] to mark/

unmark the category. After specifying the categories, press the Left Soft Key  [Done].


7. To view a search result, highlight the desired results and press  [VIEW]. If you want to retry the search, press the Right Soft Key  [Retry]. If you want to start a new search, press the Left Soft Key  [Search], enter your key word, then press .
8. If no results are found, you will be prompted to try again. Choose Yes to try again or No to return to the Tools menu.

## 4.8 Stopwatch

Allows you to use your phone as a typical stopwatch.




1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Tools.
4. Press  Stopwatch.
5. Press  [START].
6. While measuring time, press the Left Soft Key  [Lap] to record a lap.
7. Pressing  [STOP] will stop or resume Stopwatch time.

## Settings & Tools


8. After time has stopped, press the Right Soft Key  [Reset].

### 4.9 World Clock

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



1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Tools.
4. Press  World Clock.
5. Press the Right Soft Key  [Cities] for a list of available cities.
6. Highlight a city from the list, then press .
7. The display show zoom in on the city and view its date and time information.






**NOTE** Press the Left Soft Key  [Set DST], to set daylight saving time.

Highlight Yes and press  to set DST.

### 4.10 Notepad

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

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

3. Press  Tools.
4. Select Notepad.
5. Press the Left Soft Key  [Add] to write a new note.
6. Press the Left Soft Key  to change the entry mode. Or press the Right Soft Key  [Options] to copy and paste text or to cancel the notepad entry.
7. After entering the note, press  [SAVE] to save it.

## 5. Bluetooth® Menu

The phone is compatible with devices that support the Headset, Handsfree, Stereo, Phonebook Access, Object Push and File Transfer.\*

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

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

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







**NOTE** Your phone is based on the Bluetooth® specification, but it is not guaranteed to work with all devices enabled with Bluetooth® wireless technology. Phone does not support ALL Bluetooth® OBEX Profiles.

\* For vehicle/accessory compatibility go to [www.verizonwireless.com/bluetoothchart](http://www.verizonwireless.com/bluetoothchart)

## Turn On Bluetooth

Allows you to turn Bluetooth on or off and connect to other Bluetooth devices.

1. Open the flip and press  [MENU].
2. Press  **Settings & Tools**.
3. Press  **Bluetooth Menu**.
4. Press the Left Soft Key  [Turn On].






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

## 5.1. Add New Device

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

### For pairing with a new Bluetooth® device

1. Follow the Bluetooth® accessory instructions to set the device to pairing mode.







2. Open the flip and press  [MENU].
3. Press  **Settings & Tools**.
4. Press  **Bluetooth Menu**.
5. Press  **Add New Device**.
6. Set the desired device to discovery mode.
7. The device will appear in Add New Device menu once it has been located. Highlight the device and press  [PAIR].
8. The handset will prompt you for the passcode. Consult the Bluetooth® accessory instructions for the appropriate passcode (typically "0000" - 4 zeroes). Enter the passcode and press . When Auto Pair Handsfree is set to On, the device will try to autopair for headsets.
9. When pairing with the PC or PDA is successful, highlight either **Always Ask** or **Always Connect** and press  to connect with the device.
10. Once connected, you will see the device listed in the Bluetooth® Menu and when the pair is transferring information the Bluetooth® indicator will show up on your screen.

## Settings & Tools

### Icon Reference in Adding New Device



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

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

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

The following options are available in the paired device.




- 1. Remove Device:** You can remove the device from the pairing list.
- 2. Rename Device:** You can rename the paired device.
- 3. Incoming Security:** Allows you to set permission before connecting an incoming device.
- 4. Service Discovery:** Allows you to search for the services that the selected device supports.
- 5. Device Info:** Shows the device information.





**NOTES** While in the Bluetooth Menu, you can turn the Bluetooth functionality off by pressing the Left Soft Key  [Turn Off]. You can turn it on by pressing the Left Soft Key  [Turn On] again. When connected with a phone or PC supporting OPP, the following menus are possible:

- **Send Name Card:** Allows my contact data to send other device up to 1000 Contacts.
- **Get Name Card:** Allows you to pull name card of other device.
- **Exchange Name Card:** Allows you to exchange the handset's name card with other device.
- **Send Calendar Event:** Allows you to send Calendar events to other devices.
- **Send Picture:** Allows you to send pictures.

### My Phone Info








Allows you to view and/or edit the name of the Bluetooth® device.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Bluetooth Menu.

4. Press the Right Soft Key  [Options].
5. Press  My Phone Info.
6. Press  to clear the existing name.
7. Use the keypad to enter a new custom name.
8. Press  [SET] to save and exit.

### Discovery Mode

Allows you to set whether your device is able to be discovered/ found by other Bluetooth® devices in the area.






1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Bluetooth Menu.
4. Press the Right Soft Key  [Options].
5. Press  Discovery Mode.
6. Use the Navigation Key  to highlight a setting, then press  [SET].

On/ Off

**NOTE** If you choose On for Discovery Mode, your device is able to be searched by other in-range Bluetooth® devices.

### Supported Profiles

Allows you to see profiles that your phone can support.





1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Bluetooth Menu.
4. Press the Right Soft Key  [Options].
5. Press  Supported Profiles. Select an option to view a brief description.

## 6. Sounds Settings




Provides options to customize the phone's sounds.

### 6.1 Easy Set-up

Allows you to quickly set the main Sounds Settings for keypad volume, incoming calls and messages (text, multimedia, and voice mail).





1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Sounds Settings.
4. Press  Easy Set-up.

## Settings & Tools

5. Read each setting description. Press the Right Soft Key  [Skip] to go to the next menu item. Press the Left Soft Key  [Play] to listen to the volume setting. Highlight the setting you want, then press  [SET].








### 6.2 Call Sounds


Allows you to set how the phone alerts you for types of incoming calls.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Sounds Settings.
4. Press  Call Sounds.

#### 6.2.1 Call Ringtone








This menu allows you to set a ringtone for incoming calls.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Sounds Settings.
4. Press  Call Sounds.
5. Press  Call Ringtone.
6. Use the Navigation Key  to highlight a ringtone then press  [SET] to save the sound.

**Shortcut** To hear a ringtone before you set it, press the Left Soft Key  [Play].






#### 6.2.2 Call Vibrate



This menu allows you to set the phone to vibrate when receiving incoming calls.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Sounds Settings.
4. Press  Call Sounds.
5. Press  Call Vibrate.
6. Use the Navigation Key  to highlight a setting, then press  [SET].  
On/ Off

#### 6.2.3 Caller ID Readout

This menu allows you to set the phone to read out caller ID information or just ring for incoming calls.





1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Sounds Settings.
4. Press  Call Sounds.
5. Press  Caller ID Readout.

- Use the Navigation Key  to highlight a setting, then press  [SET].

Ring Only/ Caller ID + Ring/  
Name Repeat


### 6.3 Alert Sounds






Allows you to select the alert type sounds.

- Open the flip and press  [MENU].
- Press  Settings & Tools.
- Press  Sounds Settings.
- Press  Alert Sounds.
- Select TXT Message/  
Multimedia Message/ Voice  
mail/ Emergency Tone/  
Missed Call
- The Alert Sounds menu has these options:  
Tone/ Vibrate/ Reminder  
The exception for this is the  
Emergency Tone menu. This  
menu has these options:  
Alert/ Vibrate/ Off

### 6.4 Keypad Volume





Allows you to set the keypad volume.

- Open the flip and press  [MENU].

- Press  Settings & Tools.
- Press  Sounds Settings.
- Press  Keypad Volume.
- Adjust the volume with the  
Navigation Key  and press  [SET] to save the setting.

### 6.5 Service Alerts

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

- Open the flip and press  [MENU].
- Press  Settings & Tools.
- Press  Sounds Settings.
- Press  Service Alerts.
- Select an alert option.

**ERI** Alerts you to the status of cellular service.



ERI: Enhanced Roaming  
Indicator

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


**Call Connect** Alerts you when the call is connected.

**Charge Complete** Alerts you when the battery is completely charged.

**Software Update** Alerts you of an Over-the-Air (OTA) software update to the device.

6. Use the Navigation Key  to highlight a setting, then press  [SET].







On/ Off

**NOTE** When highlighting On, you can play the alert option by pressing the Left Soft Key  [Play].

### 6.6 Hearing Assist

Allows you to set the phone to automatically adapt to noisy environments by adjusting the listening level and improving speech intelligibility.




**NOTE** The Hearing Assist feature is automatically disabled when you use the speakerphone or the hands-free devices.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Sounds Settings.
4. Press  Hearing Assist.
5. Use the Navigation Key  to highlight a setting, then press  [SET].

On/ Off





## 7. Display Settings

Provides options to customize the phone's display screen.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Display Settings.

### 7.1 Easy Set-up

Allows you quickly set the main and front Display Settings.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Display Settings.
4. Press  Easy Set-up.

Customize the following display settings:

- **PERSONAL BANNER**  
Enter the text to be displayed on your screen.
- **MAIN BACKLIGHT**  
Set the backlight duration for the main display.  
7 Seconds/ 15 Seconds/ 30 Seconds/ Always Off

- **FRONT BACKLIGHT**

Set the backlight duration for the front display.

7 Seconds/ 15 Seconds/  
30 Seconds/ Always Off

- **KEYPAD BACKLIGHT**

Set the backlight duration for the keypad.

7 Seconds/ 15 Seconds/ 30  
Seconds/ Always Off

- **MAIN WALLPAPER**

Allows you to set the main wallpaper for your phone.

- **FRONT WALLPAPER**

Allows you to set the front wallpaper for your phone.

- **DISPLAY THEMES**

Select display theme.

Aurora/ Soft Paper/ Aqua

- **MENU LAYOUT**

Select your main menu layout.

List/ Grid/ Tab

- **FONT SIZE**

When resizable is set, you can use the Volume Keys to adjust the font size.

Dial Digits/ Menu & List/  
Message

- **MAIN CLOCK**



Select the format of the main clock.

Analog/ Large Analog/ Digital  
12/ Large Digital 12/ Digital  
24/ Large Digital 24/ Dual  
City/ Off

- **FRONT CLOCK**





Select the format of the front clock.

Digital 12/ Digital 24/Analog/  
Off

5. Read each setting description, highlight the setting you want, then press  [SET]. When finished, press the Right Soft Key  [Done].

### 7.2 Banner






Allows you to enter a string which displays on the LCD screen.


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

#### 7.2.1 Personal Banner

Allows you to enter a string of up to 18 characters which displays on the screen.

## Settings & Tools








1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Display Settings.
4. Press  Banner.
5. Press  Personal Banner.
6. Enter your own banner text.

**NOTE** Use the Navigation Key  to select the color you want.

7. Press  [SET] to save the setting.






### 7.2.2 ERI Banner

If you use ERI Service, ERI Text is shown on the sub banner.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Display Settings.
4. Press  Banner.
5. Press  ERI Banner.
6. Use the Navigation Key  to highlight a setting, then press  [SET].  
On/ Off





### 7.3 Backlight

Allows you to set the duration for illuminating the backlight for the main display, front display, and keypad. Each is set separately.



1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Display Settings.
4. Press  Backlight.
5. Highlight a Backlight submenu and press  [SET].
  - **Main Backlight:**  
7 Seconds/ 15 Seconds/  
30 Seconds/ Always Off
  - **Front Backlight:**  
7 Seconds/ 15 Seconds/  
30 Seconds/ Always Off
  - **Keypad Backlight:**  
7 Seconds/ 15 Seconds/  
30 Seconds/ Always Off

### 7.4 Brightness

Allows you to set the backlight levels.

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



5. Use the Navigation Key  to highlight a setting, then press  [SET].








**NOTE** Brightness level can be 1 to 7.

## 7.5 Wallpaper

Allows you to choose the kind of background to be displayed on the phone's LCD in standby mode.







### 7.5.1 Main Screen

Allows you to choose the kind of background to be displayed on the main screen.

1. Open the flip and press  [MENU].
  2. Press  Settings & Tools.
  3. Press  Display Settings.
  4. Press  Wallpaper.
  5. Press  Main Screen.
  6. Highlight a Wallpaper submenu and press .
- My Pictures/ Fun Animations/  
Slide Show
7. Highlight a wallpaper and press  [SET].







### 7.5.2 Front Screen


Allows you to choose the kind of background to be displayed on the front screen.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Display Settings.
4. Press  Wallpaper.
5. Press  Front Screen.
6. Highlight a wallpaper and press  [SET].

## 7.6 Display Themes

Allows you to choose between the different themes for the phone's menus.







1. Open the flip and press  [MENU].
  2. Press  Settings & Tools.
  3. Press  Display Settings.
  4. Press  Display Themes.
  5. Use the Navigation Key  to highlight a setting, then press  [SET].
- Aurora/ Soft Paper/ Aqua

**NOTE** Press the Left Soft Key  [Preview] to preview the highlighted option.


# Settings & Tools





## 7.7 Main Menu Settings

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

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Display Settings.
4. Press  Main Menu Settings.
5. Use the Navigation Key  to highlight a setting, then press .

- **Menu Layout**  
List/ Grid/ Tab







**NOTE** Press the Left Soft Key  [Preview] to preview the selected menu setting.

- **Replace Menu Items**  
Select the item you want to replace then press  [EDIT]. Select in the list the item you want to replace it with, then press  [SET].
- **Position Menu Items**  
Select the item you want to move, then press  [MOVE]. Move highlight to desired position by pressing the Navigation Key, then press  [SET].


- **Reset Menu Settings**  
Menu Layout/ Menu Items/  
Item Positions/ All

## 7.8 Font Type


Allows you to set the font type.


1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Display Settings.
4. Press  Font Type.
5. Use the Navigation Key  to highlight a setting, then press  [SET].

VZW Font/ LG Script/  
LG Secret

**NOTE** Press the Left Soft Key  [Preview] to preview the selected font type.

## 7.9 Font Size

Allows you to set the font size for Dial Digits, Menu & List and Message. Plus, the Volume Key Resize setting allows you to use the side Volume Keys  to instantly scale screen fonts. This setting is helpful for those who need the text to display a little bit larger.

1. Open the flip and press  [MENU].

2. Press Settings & Tools.
3. Press Display Settings.
4. Press Font Size.
5. Use the Navigation Key to highlight Dial Digits/ Menu & List/ Message.
6. Use the Navigation Key to highlight a setting, then press [SET].

Dial Digits: Resizable/ Small/  
Normal/ Large

Menu & Lists: Resizable/ Small/  
Normal/ Large

Message: Resizable/ Small/  
Normal/ Large

**NOTE** Press the Left Soft Key [Preview] to preview the selected font size.

## 7.10 Clock Format

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

### 7.10.1 Main Clock

Allows you to choose the kind of clock to be displayed on the main screen.

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

3. Press Display Settings.
4. Select Clock Format.
5. Select Main Clock.
6. Use the Navigation Key to highlight a setting, then press [SET].

Analog/ Large Analog/  
Digital 12/ Large Digital 12/  
Digital 24/ Large Digital 24/  
Dual City/ Off

**NOTE** Press the Left Soft Key [Preview] to preview the selected clock format.

### 7.10.2 Front Clock

Allows you to choose the kind of clock to be displayed on the front screen.

1. Open the flip and press [MENU].
2. Press Settings & Tools.
3. Press Display Settings.
4. Select Clock Format.
5. Select Front Clock.
6. Use the Navigation Key to highlight a setting, then press [SET].







Digital 12/ Digital 24/  
Analog/ Off

## 8. Phone Settings

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

### 8.1 Airplane Mode

Turning on Airplane Mode will disable all wireless communications.


1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Phone Settings.
4. Press  Airplane Mode.
5. Use the Navigation Key  to highlight a setting, then press  [SET].  
On/ Off







### 8.2 Set Shortcut Keys

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




#### 8.2.1 Set My Shortcuts

Allows you to personalize the shortcuts displayed on the My Shortcuts screen.

**NOTE** To access these shortcuts, press the Right Navigation Key  from standby mode (by default) to display My Shortcuts.


1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Phone Settings.
4. Press  Set Shortcut Keys
5. Press  Set My Shortcuts.
6. Use the Navigation Key  to highlight a shortcut key you want to set.



Shortcut 1/ Shortcut 2/  
Shortcut 3/ Shortcut 4

7. Press  [SET] to display the available shortcuts. Use the Navigation Key  to highlight one, then press  [SET].

#### 8.2.2 Set Navigation Keys

Allows you to personalize the shortcuts using the Navigation Keys.

**NOTE** To access these shortcuts open the flip, then press the Navigation Key  in the direction (up, down, left) set from standby mode for the Shortcut you want to access.

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

3. Press **B** Phone Settings.
4. Press **2** Set Shortcut Keys
5. Press **2** Set Navigation Keys.
6. Use the Navigation Key **⬇** to highlight a shortcut key you want to set.

#### Up Navigation Key/ Left Navigation Key/ Down Navigation Key

7. Press **OK** [SET] to display the available shortcuts. Use the Navigation Key **⬇** to highlight one, then press **OK** [SET].

### 8.3 Voice Commands

Please refer to page 48 for details.

### 8.4 Language

Allows you to set the Multi-language (English, Spanish, Chinese, Korean) feature according to your preference.

1. Open the flip and press **OK** [MENU].
2. Press **9** Settings & Tools.
3. Press **B** Phone Settings.
4. Press **4** Language.
5. Use the Navigation Key **⬇** to highlight a setting, then press **OK** [SET].

English/ Español/Simplified Chinese (简体中文)/ Korean (한국어)

**NOTE** The Date & Time menu will be available depending on the network mode that you've set.

### 8.5 Location

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

1. Open the flip and press **OK** [MENU].
2. Press **9** Settings & Tools.
3. Press **B** Phone Settings.
4. Press **5** Location.
5. Use the Navigation Key **⬇** to highlight a setting, then press **OK** [SET].

#### Location On/ E911 Only

#### NOTES





- GPS satellite signals are not always received by the phone, especially under bad atmospheric and environmental conditions, indoors, etc.
- When a Location Setting Restriction is activated in the Security Menu, the lock code is required when you enter location menu. The lock code is the same 4 digits you use as your device lock code; initially the last 4 digits of your phone number.

## Settings & Tools

- When in Airplane Mode, services supporting Location On functionality will be suspended.





### 8.6 Current Country

Allows you to change the country when the phone cannot get country information from the network.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Phone Settings.
4. Press  Current Country.
5. Select a desired country.

### 8.7 Security






The Security menu allows you to secure the phone electronically.

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

The lock code is the last 4 digits of your mobile phone number if it is set. The lock code is the last 4 digits of your MEID if your mobile phone number is not set.

#### 8.7.1 Request PIN code






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

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Phone Settings.
4. Press  Security.
5. Enter the four-digit lock code.
6. Press  Request PIN code.

**NOTE** Before setting the PIN Request feature off, you must enter your PIN.

#### 8.7.2 Edit Codes







Allows you to enter a new four-digit lock code or change your PIN code.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Phone Settings.
4. Press  Security.
5. Enter the four-digit lock code.
6. Press  Edit Codes.
7. Select Phone Only, Calls & Services or Change PIN code.



8. Enter your new four digits lock code or four to eight digit PIN code.
9. For confirmation, it will ask you to enter the new lock code or PIN code again.

## 8.7.3 Restrictions

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

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Phone Settings.
4. Press  Security.
5. Enter the four-digit lock code.
6. Press  Restrictions.
7. Enter the four-digit service code.
8. Select a Restrictions menu then press .

**Location Setting/ Calls/  
Messages**

9. Use the Navigation Key  to highlight the restriction then press .

**Location Setting** Lock Setting/  
Unlock Setting

**Calls: Incoming Calls** Allow All/  
Contacts Only/ Block All







**Calls: Outgoing Calls** Allow All/  
Contacts Only/ Block All

**Messages: Incoming Messages**  
Allow All/ Block All

**Messages: Outgoing Messages**  
Allow All/ Block All

## 8.7.4 Phone Lock Setting

Keeps 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 modify the lock code using Edit Codes submenu within the Security menu.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Phone Settings.
4. Press  Security.
5. Enter the four-digit lock code.
6. Press  Phone Lock Setting.
7. Highlight an option and press  [SET].






**Unlocked** The phone remains unlocked, by default.


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

# Settings & Tools

## 8.7.5 Lock Phone Now








This setting allows you to lock the phone immediately.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Phone Settings.
4. Press  Security.
5. Enter the four-digit lock code.
6. Press  Lock Phone Now.

**NOTE** To unlock the phone from standby mode, press the Right Soft Key  Unlock and enter the four-digit lock code.

## 8.7.6 Reset Default







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

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Phone Settings.
4. Press  Security.
5. Enter the four-digit lock code.
6. Press  Reset Default.
7. Press  after reading the warning message.
8. Highlight Revert and press .

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

## 8.7.7 Restore Phone

Allows you to erase all user data and Contact information you've entered in the phone's memory so it's as if it just left the factory.


1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Phone Settings.
4. Press  Security.
5. Enter the four-digit lock code.
6. Press  Restore Phone.
7. Press  after reading the warning message.
8. Enter the four-digit lock code.

## 8.8 System Select

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

### 8.8.1 Network Mode

Allows you to set the network mode. GSM and Global Mode can be set only when the SIM card is inserted.

1. Open the flip and press  [MENU].



2. Press **[9] Settings & Tools**.
3. Press **[8] Phone Settings**.
4. Press **[8] System Select**.
5. Press **[1] Network Mode**.
6. Use the Navigation Key **[OK]** to highlight a setting, then press **[SET]**.

CDMA Mode/ GSM Mode/  
Global Mode

### 8.8.2 CDMA Settings

Allows you to set the CDMA mode settings.

1. Open the flip and press **[MENU]**.
2. Press **[9] Settings & Tools**.
3. Press **[8] Phone Settings**.
4. Press **[8] System Select**.
5. Press **[2] CDMA Settings**.
6. Use the Navigation Key **[OK]** to highlight a setting, then press **[SET]**.

Home Only/ Automatic

### 8.8.3 GSM Settings

Allows you to set the GSM mode settings. This menu is accessible only when the GSM Mode is on. Automatic mode allows the phone to connect the GSM mode automatically.

1. Open the flip and press **[MENU]**.
2. Press **[9] Settings & Tools**.
3. Press **[8] Phone Settings**.
4. Press **[8] System Select**.
5. Press **[3] GSM Settings**.
6. Use the Navigation Key **[OK]** to highlight a setting, then press **[SET]**.

Automatic/ Manual

### 8.9 NAM Select

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






1. Open the flip and press **[MENU]**.
2. Press **[9] Settings & Tools**.
3. Press **[8] Phone Settings**.
4. Press **[9] NAM Select**.
5. Use the Navigation Key **[OK]** to highlight a setting, then press **[SET]**.

NAM1/ NAM2

# Settings & Tools

## 8.10 Data Roaming Access

Allows you to use data connections when you are roaming.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Phone Settings.
4. Press Data Roaming Access.
5. Use the Navigation Key  to highlight a setting, then press  [SET].





Deny data roaming access /  
Allow access only for this trip /  
Allow access for all trips



## 9. Call Settings

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


### 9.1 Answer Options

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

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Call Settings.
4. Press  Answer Options.

5. Use the Navigation Key  to select the setting(s) you want to use, then press  [MARK].








Flip Open/ Any Key/ Auto with Handsfree

6. Press the Left Soft Key  [Done] when you have marked the setting(s) you want.

**NOTE** Auto with Handsfree is available when any external device is connected to your phone or speaker is set to on.






## 9.2 Call Forwarding

Allows an incoming call to be redirected to a mobile telephone or other telephone number.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Call Settings.
4. Press  Call Forwarding.
5. Use the Navigation Key  to highlight either Forward Call or Cancel Forwarding, then press .
6. After selecting Forward Call, enter the number to forward to and press . To cancel forwarding, select Cancel.

### 9.3 Auto Retry






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

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Call Settings.
4. Press  Auto Retry.
5. Use the Navigation Key  to highlight a setting, then press [SET].

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

### 9.4 TTY Mode


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

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Call Settings.
4. Press  TTY Mode.
5. An explanation message is displayed.
6. Press  to continue.

### TTY Mode (Tele Type writer)

Menu	User	Menu	Transmission/ Receiving Mode	When making communications with a non-TTY terminal
TTY Full	For hearing-/ verbally- impaired		Text message transmission, text message receiving	Operator required
TTY + Talk	For hearing- impaired	Able to talk	Voice transmission, text message receiving	Operator required
TTY + Hear	For verbally- impaired	Audible	Text message transmission, voice receiving	Operator required
TTY Off			Voice transmission, voice receiving	

## Settings & Tools

7. Use the Navigation Key  to highlight a setting, then press [SET].

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

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

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

**TTY Off:** Users send and receive without TTY equipment.






### Connecting TTY Equipment and a Terminal

1. Connect a TTY cable to TTY connection on the terminal (TTY connection location is the same as a headset jack).
2. Enter the phone menu and set the desired TTY mode.
3. After setting a TTY mode, check the LCD screen of the phone for the TTY icon.
4. Connect the TTY equipment to the power source and turn it on.
5. Make a phone connection to the desired number.

6. When connection is made, use the TTY equipment to type in and send a text message or send voice.
7. The voice or text message from the receiver end displays on the TTY equipment display.


### 9.5 One Touch Dial





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

1. Open the flip and press  [MENU].
  2. Press  Settings & Tools.
  3. Press  Call Settings.
  4. Press  One Touch Dial.
  5. Use the Navigation Key  to highlight a setting, then press [SET].
- On/ Off

### 9.6 Voice Privacy






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

1. Open the flip and press  [MENU].

2. Press  Settings & Tools.
3. Press  Call Settings.
4. Press  Voice Privacy.
5. Use the Navigation Key  to highlight a setting, then press [SET].  
On/ Off



## 9.7 DTMF Tones





Allows you to set the DTMF tone length.






1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Press  Call Settings.
4. Press  DTMF Tones.
5. Use the Navigation Key  to highlight a setting, then press [SET].  
Normal/ Long

## 9.8 Assisted Dialing

Supports easy dialing on international calls while traveling in non-U.S. roaming region. If set to On, Assisted Dialing is displayed in calling screen.

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



3. Press  Call Settings.
4. Press  Assisted Dialing.
5. Use the Navigation Key  to highlight a setting, then press .  
On/ Off

6. Highlight Reference Country and press the Left Soft Key  [Set] to select country.
7. Use the Navigation Key  to scroll to the desired country.
8. Press the Left Soft Key  [Details] to edit and save the Country Code, IDD Prefix (International Direct Dial), NDD Prefix (National Direct Dial), Area/City Code and Length (Length of Phone Number), then press  to set.
9. Press  to set.

**NOTE** For example, if you make a call from China to U.S when assisted dialing option is on (Reference Country is set to 'U.S.A'), '+' code will be automatically replaced by the matched IDD prefix of China.



## 10. Memory

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

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Select Memory.
4. Choose Memory Usage/ My Pictures/ My Ringtones/ My Sounds/ My Contacts.


## 11. Phone Info

Allows you to view the information specific to your phone and software.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Select Phone Info.

### 11.1 My Number




Allows you to view your phone number. This also allows you to view the phone number of your SIM card inserted in your phone.

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

3. Select Phone Info.
4. Press  My Number.




### 11.2 Mobile Network

Allows you to check the current network status.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Select Phone Info.
4. Press  Mobile Network.


### 11.3 SW/HW Version

Allows you to view the versions of various applications such as SW, PRL, ERI, Browser, Media Center, AVR, EMS, MMS, Bluetooth®, OTADM Version, MSUI, HW Version, ESN, Warranty Date Code and Operating System.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Select Phone Info.
4. Press  SW/HW Version.

### 11.4 Icon Glossary

Allows you to view all the icons and their meanings.

1. Open the flip and press  [MENU].

2. Press **9** **Settings & Tools**.
3. Select **Phone Info**.
4. Press **4** **Icon Glossary**.
5. Select a subcategory to view the icons.

## 11.5 Software Update

This feature gives your phone the ability to upgrade to the latest software and keeps your phone operating with the latest features without visiting a Verizon Wireless Communications Store for the upgrade. You can either be notified automatically that there is an updated version of software available for your phone, or you can manually check to see if there are any updates available for you to download.

### Automatic Update

Your phone will receive a notification that there is an updated version of software available to be downloaded. You can press **OK** when notified that a download is available or it can happen automatically. Once the download is complete you may, depending on the nature of the update, have three options available: Accept the update, Defer the update, or Reject the update.

**NOTE** During the update you cannot make or receive phone calls, including 911 calls, or text messages.

### Manual Update

1. Open the flip and press **OK** **[MENU]**.
2. Press **9** **Settings & Tools**.
3. Select **Phone Info**.
4. Press **5** **Software Update**.




The two options shown will be Status and Check New.

Press **1** **Status** to see the status of a download or update and see information on the last successful update. If updates have not yet been performed, status information will be unavailable.





Press **2** **Check New** to check if any new software updates are available to download. If a newer software version is available, it will automatically begin downloading after 30 seconds or you can begin the download immediately by pressing **OK**.


## 11.6 SIM ID

Allows you to check the SIM ID of the SIM inserted in your phone.

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Select Phone Info.
4. Press  SIM ID.

## 12. Set-up Wizard

1. Open the flip and press  [MENU].
2. Press  Settings & Tools.
3. Select Set-up Wizard.
4. Use the Navigation Key  to scroll to a setting, then press  [SET].

**NOTE** If you don't want to change the setting, press the Right Soft Key  [Skip] to go to the next setting.

- **FONT SIZE**

When you view Dial Digits, Menu & List or Message screens, you can adjust the font size using the Volume Keys.

- **CALL SOUNDS**

Ring Only/ Vibrate Only/  
Ring and Vibrate/ Be Silent

- **DISPLAY THEMES**

Aurora/ Soft Paper/ Aqua

- **MENU LAYOUT**

List/ Grid/ Tab

- **MAIN CLOCK**


Select the format of the main clock.

Analog/ Large Analog/  
Digital 12/ Large Digital 12/  
Digital 24/ Large Digital 24/  
Dual City/ Off

- **FRONT CLOCK**

Select the format of the front clock.

Digital 12/ Digital 24/  
Analog/ Off

5. Press the Right Soft Key  [Done] to complete set-up.



# 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.

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Call (800) 243-0000 for more information.

*Wash hands after handling.*



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



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



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



- Do not use the phone in areas where its use is prohibited. (For example: aircraft)



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



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



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

## Important Safety Precautions



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



- Do not damage the power cord by bending, twisting, pulling, or heating. Do not use the plug if it is loose as it may cause electric shock or fire.
- 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.
- Do not handle the phone with wet hands while it is being charged. It may cause an electric shock or seriously damage your phone.



- Do not disassemble the phone.
- Do not place or answer calls while charging the phone as it may short-circuit the phone and/or cause electric shock or fire.



- 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.
- Store the battery out of reach of children.



- Be careful that children do not swallow any parts (such as earphone, connection parts of the phone, etc.) This could cause asphyxiation or suffocation resulting in serious injury or death.



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

## Important Safety Precautions



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



- An emergency call can be made only within a service area. For an emergency call, make sure that you are within a service area and that the phone is turned on.
- Your phone is an electronic device that generates heat during normal operation. Extremely prolonged, direct skin contact in the absence of adequate ventilation may result in discomfort or minor burns. Therefore, use care when handling your phone during or immediately after operation.
- Use and store your phone in temperatures between 0°C/32°F and 40°C/104°F, if possible. Exposing your phone to extremely low or high temperatures may result in damage, malfunction, or even explosion.

## HAC

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

## FCC RF Exposure Information

**WARNING! Read this information before operating the phone.**

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

Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.

## Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 0.39 inches (1cm) between the user's body and the back of the phone. To comply with FCC RF exposure requirements, a minimum separation distance of 0.39 inches (1cm) must be maintained between the user's body and the back of the phone. Any belt-clips, holsters, and similar accessories containing metallic components may not be used. Body-worn accessories that cannot maintain 0.39 inches (1cm) 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.

**Caution**

Use only the supplied antenna. Use of unauthorized antennas (or modifications to the antenna) could impair call quality, damage the phone, void your warranty and/or violate FCC regulations.

Don't use the phone with a damaged antenna. A damaged antenna could cause a minor skin burn. Contact your local dealer for a replacement antenna.

**Part 15.19 statement**

This device complies with part 15 of FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

**Part 15.21 statement**

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

**Part 15.105 statement**

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

### Consumer Information About Radio Frequency Emissions

**Your wireless phone, which contains a radio transmitter and receiver, emits radio frequency energy during use. The following consumer information addresses commonly asked questions about the health effects of wireless phones.**

#### Are wireless phones safe?

Scientific research on the subject of wireless phones and radio frequency (“RF”) energy has been conducted worldwide for many years, and continues. In the United States, the Food and Drug Administration (“FDA”) and the Federal Communications Commission (“FCC”) set policies and procedures for wireless phones. The FDA issued a website publication on health issues related to cell phone usage where it states, “The scientific community at large ... believes that the weight of scientific evidence does not

show an association between exposure to radiofrequency (RF) from cell phones and adverse health outcomes. Still the scientific community does recommend conducting additional research to address gaps in knowledge. That research is being conducted around the world and FDA continues to monitor developments in this field. You can access the joint FDA/FCC website at <http://www.fda.gov> (under “c” in the subject index, select Cell Phones > Research). You can also contact the FDA toll-free at (888) 463-6332 or (888) INFO-FDA. In June 2000, the FDA entered into a cooperative research and development agreement through which additional scientific research is being conducted. The FCC issued its own website publication stating that “there is no scientific evidence that proves that wireless phone usage can lead to cancer or a variety of other problems, including headaches, dizziness or memory loss.” This publication is available at <http://www.fcc.gov/cgb/cellular.html> or through the FCC at (888) 225-5322 or (888) CALL-FCC.

## What does “SAR” mean?

In 1996, the FCC, working with the FDA, the U.S. Environmental Protection Agency, and other agencies, established RF exposure safety guidelines for wireless phones in the United States. Before a wireless phone model is available for sale to the public, it must be tested by the manufacturer and certified to the FCC that it does not exceed limits established by the FCC.

One of these limits is expressed as a Specific Absorption Rate, or “SAR.” SAR is a measure of the rate of absorption of RF energy in the body. Tests for SAR are conducted with the phone transmitting at its highest power level in all tested frequency bands. Since 1996, the FCC has required that the SAR of handheld wireless phones not exceed 1.6 watts per kilogram, averaged over one gram of tissue.

Although the SAR is determined at the highest power level, the actual SAR value of a wireless phone while operating can be less than the reported SAR value. This is because the SAR value may vary from call to call, depending on factors such as proximity to a cell site, the proximity of the phone

to the body while in use, and the use of hands-free devices. For more information about SARs, see the FCC’s OET Bulletins 56 and 65 at [http://www.fcc.gov/Bureaus/Engineering\\_Technology/Documents/bulletins](http://www.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins) or visit the Cellular Telecommunications Industry Association website at [http://www.ctia.org/consumer\\_info/index.cfm/AID/10371](http://www.ctia.org/consumer_info/index.cfm/AID/10371). You may also wish to contact the manufacturer of your phone.

## Can I minimize my RF exposure?

If you are concerned about RF, there are several simple steps you can take to minimize your RF exposure. You can, of course, reduce your talk time. You can place more distance between your body and the source of the RF, as the exposure level drops off dramatically with distance. The FDA/FCC website states that “hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then

that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit." Also, if you use your wireless phone while in a car, you can use a phone with an antenna on the outside of the vehicle. You should also read and follow your wireless phone manufacturer's instructions for the safe operation of your phone.

### **Do wireless phones pose any special risks to children?**

The FDA/FCC website states that "the scientific evidence does not show a danger to users of wireless communication devices, including children." The FDA/FCC website further states that "some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all". For example, the Stewart Report from the United Kingdom ["UK"] made such a recommendation in December 2000. In this report a group of independent experts noted that no evidence exists that

using a cell phone causes brain tumors or other ill effects. [The UK's] recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists. A copy of the UK's leaflet is available at <http://www.dh.gov.uk> (search "mobile"), or you can write to: NRPB, Chilton, Didcot, Oxon OX11 0RQ, United Kingdom. Copies of the UK's annual reports on mobile phones and RF are available online at [www.iegmp.org.uk](http://www.iegmp.org.uk) and <http://www.hpa.org.uk/radiation/> (search "mobile"). Parents who wish to reduce their children's RF exposure may choose to restrict their children's wireless phone use.

### **Where can I get further information about RF emissions?**

For further information, see the following additional resources (websites current as of April 2005):

#### **U.S. Food and Drug Administration**

FDA Consumer magazine  
November-December 2000  
Telephone: (888) INFO-FDA



<http://www.fda.gov> (Under “c” in the subject index, select Cell Phones > Research.)

## **U.S. Federal Communications Commission**

445 12th Street, S.W.

Washington, D.C. 20554

Telephone: (888) 225-5322

<http://www.fcc.gov/oet/rfsafety>

## **Independent Expert Group on Mobile Phones**

<http://www.iegmp.org.uk>

## **Royal Society of Canada Expert Panels on Potential Health Risks of Radio Frequency Fields from Wireless Telecommunication Devices**

283 Sparks Street

Ottawa, Ontario K1R 7X9

Canada

Telephone: (613) 991-6990

[http://www.rsc.ca/index.php?page=Expert\\_Panels\\_RF&Lang\\_id=120](http://www.rsc.ca/index.php?page=Expert_Panels_RF&Lang_id=120)

## **World Health Organization**

Avenue Appia 20 1211 Geneva 27

Switzerland

Telephone: 011 41 22 791 21 11

<http://www.who.int/mediacentre/factsheets/fs193/en/>

## **International Commission on Non-Ionizing Radiation Protection**

c/o Bundesamt für Strahlenschutz

Ingolstaedter Landstr. 1

85764 Oberschleissheim

Germany

Telephone: 011 49 1888 333 2156

<http://www.icnirp.de>

## **American National Standards Institute**

1819 L Street, N.W., 6th Floor

Washington, D.C. 20036

Telephone: (202) 293-8020

<http://www.ansi.org>

## **National Council on Radiation Protection and Measurements**

7910 Woodmont Avenue, Suite 800

Bethesda, MD 20814-3095

Telephone: (301) 657-2652

<http://www.ncrponline.org>

## Engineering in Medicine and Biology Society, Committee on Man and Radiation (COMAR) of the Institute of Electrical and Electronics Engineers

<http://ewh.ieee.org/soc/embs/comar/>

## Consumer Information on SAR

### (Specific Absorption Rate)

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

all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. Because the phone is designed to operate at multiple power levels to use only the power required to reach the network, in general, the closer you are to a wireless base station antenna, the lower the power output.

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

as required by the FCC for each model.

\* 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

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID ZNFVN220. Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) website at <http://www.ctia.org/>.

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

## Safety

buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

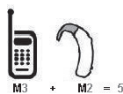
The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users to find phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box.

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

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

**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.

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



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

quality that's acceptable for normal operation.

The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules. The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

When you're talking over the cell phone, it's recommended you'd turn the BT or WiFi mode off for HAC.

#### Wireless Phones and Hearing Aid Accessibility

<http://www.accesswireless.org/>

#### Gallaudet University, RERC

<http://tap.gallaudet.edu/Voice/>

#### FCC Hearing Aid Compatibility and Volume Control

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

#### The Hearing Aid Compatibility FCC Order

[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/FCC-03-168A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-03-168A1.pdf)

#### Hearing Loss Association of America [HLAA]

<http://hearingloss.org/content/telephones-and-mobile-devices>

## Caution: Avoid potential hearing loss.

Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cellular telephones, at high volume settings for long durations may

lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds and Bluetooth® or other wireless devices).

Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound and distorted hearing. Individual susceptibility to noise-induced hearing loss and other potential hearing problems varies.

The amount of sound produced by a portable audio device varies depending on the nature of the sound, the device, the device settings and the headphones. You should follow some commonsense recommendations when using any portable audio device:

- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings.

If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise.

- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

### TIA Safety Information

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

## **Exposure to Radio Frequency Signal**

Your wireless handheld portable phone is a low power radio transmitter and receiver. When ON, it receives and sends out Radio Frequency (RF) signals.

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

ANSI C95.1 (1992) \*

NCRP Report 86 (1986)

ICNIRP (1996)

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

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and

industry reviewed the available body of research to develop the ANSI Standard (C95.1).

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

## **Antenna Care**

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

## **Phone Operation**

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

## **Tips on Efficient Operation**

For your phone to operate most efficiently:

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

## **Electronic Devices**

Most modern electronic equipment is shielded from RF signals.

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

## **Pacemakers**

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

- Should ALWAYS keep the phone more than six (6) inches from their pacemaker when the phone is turned ON;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the pacemaker to minimize the potential for interference;
- Should turn the phone OFF immediately if there is any reason to suspect that interference is taking place.

## **Hearing Aids**

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider (or call the customer service line to discuss alternatives).

## **Other Medical Devices**

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

## **Health Care Facilities**

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may use equipment that could be sensitive to external RF energy.

## **Vehicles**

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should



also consult the manufacturer of any equipment that has been added to your vehicle.

## Posted Facilities

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

## Aircraft

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

## Blasting Areas

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

## Potentially Explosive Atmosphere

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

Areas with a potentially explosive atmosphere are often, but not always marked clearly. Potential areas may include: fueling areas

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

## For Vehicles Equipped with an Air Bag

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

## Safety Information

Please read and observe the following information for safe and proper use of your phone and to prevent damage.



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

- Do not disassemble or open crush, bend or deform, puncture or shred.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard. Such conditions may present the risk of fire or explosion.
- Only use the battery for the system for which it is specified.
- Only use the battery with a charging system that has been approved and qualified with the system per IEEE-Std-1725-2006. Use of an unqualified and non-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- Do not short circuit a battery or allow metallic conductive objects to contact battery terminals.
- Replace the battery only with another battery that has been approved and qualified with

the system per this standard, IEEE-Std-1725-2006. Use of an unqualified and non-approved battery may present a risk of fire, explosion, leakage or other hazard.

Only authorized service providers shall replace battery (If the battery is non-user replaceable).

- Promptly dispose of used batteries in accordance with local regulations.
- Battery usage by children should be supervised.
- Avoid dropping the phone or battery. If the phone or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- At least, one of the Authentication methods may be implemented. (e.g. H/W, S/W, Mechanical, Hologram, etc.)
- Improper battery use may result in a fire, explosion or other hazard.

## **Charger and Adapter Safety**

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

- Insert the battery pack charger vertically into the wall power socket.
- Only use the approved battery charger. Otherwise, you may cause serious damage to your phone.
- Use the correct adapter for your phone when using the battery pack charger abroad.

## Battery Information and Care

- Always unplug the charger from the wall socket after the phone is fully charged to save unnecessary power consumption of the charger.
- Please read the user guide of proper installation and removal of the battery.
- Please read the manual of specified charger about charging method.
- Do not damage the power cord by bending, twisting, or heating. Do not use the plug if it is loose as it may cause electric shock or fire.
- 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.
- Unplug the power cord prior to cleaning your phone, and clean the power plug pin when it's dirty. When using the power plug, ensure that it's firmly connected. If not, it may cause excessive heat or fire. If you put your phone in a pocket or bag without covering the receptacle of the phone (power plug pin), metallic articles (such as a coin, paperclip or pen) may short-circuit the phone. Always cover the receptacle when not in use.
- Recharge the battery after long periods of non-use to maximize battery life. Battery life will vary due to usage pattern and environmental conditions.
- Please use only an approved charging accessory to charge your LG phone. Improper handling of the charging port, as well as the use of an incompatible charger, may cause damage to your phone and void the warranty.
- Charging temperature range is regulated between 32°F (0°C) and 104°F (40°C). Do not charge the battery out of

recommended temperature range. Charging out of recommended range might cause the generating heat or serious damage of battery. And also, it might cause the deterioration of battery's characteristics and cycle life.

- Do not use or leave the battery under the blazing sun or in heated car by sunshine. The battery may generate heat, smoke or flame. And also, it might cause the deterioration of battery's characteristics or cycle life.
- The battery pack has protection circuit to avoid the danger. Do not use nearby the place where generates static electricity more than 100V which gives damage to the protection circuit. If the protection circuit were broken, the battery would generate smoke, rupture or flame.
- When there is rust on the battery or if it gives off a bad or unusual odor the first time you use it, do not use the equipment and bring the battery to the shop where it was purchased.
- In case younger children use the battery, their parents should teach them how to use batteries according to the manual with care.
- If the skin or cloth is smeared with liquid from the battery, wash with fresh water. It may cause the skin inflammation. Remove and do not use the battery.
- Do not handle the phone with wet hands while it is being charged. It may cause an electric shock or seriously damage your phone.
- Do not place or answer calls while charging the phone as it may short-circuit the phone and/or cause electric shock or fire.
- The charger and adapter are intended for indoor use only.
- Insert the battery pack charger vertically into the wall power socket.
- Only use the approved battery charger. Otherwise, you may cause serious damage to your phone and risk of overheating, fire or explosion may occur.
- Use the correct adapter for your phone when using the battery pack charger abroad.

- Talking on your phone for a long period of time may reduce call quality due to heat generated during use.
- Do not use harsh chemicals (such as alcohol, benzene, thinners, etc.) or detergents to clean your phone. This could cause a fire. Do not place or answer calls while charging the phone as it may short-circuit the phone and/or cause electric shock or fire. 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.
- Never use an unapproved battery since this could damage the phone and/or battery and could cause the battery to explode. Only use the batteries and chargers provided by LG. The warranty will not be applied to products provided by other suppliers. Only authorized personnel should service the phone and its accessories. Faulty installation or service may result

in accidents and consequently invalidate the warranty.

### **Explosion, Shock, and Fire Hazards**

- Do not put your phone in a place subject to excessive dust and keep the minimum required distance between the power cord and heat sources.
- Unplug the power cord prior to cleaning your phone, and clean the power plug pin when it's dirty.
- When using the power plug, ensure that it's firmly connected. If not, it may cause excessive heat or fire.
- If you put your phone in a pocket or bag without covering the receptacle of the phone (power plug pin), metallic articles (such as a coin, paperclip or pen) may short-circuit the phone and may cause an explosion. Always cover the receptacle when not in use.
- Don't short-circuit the battery. Metallic articles such as a coin, paperclip or pen in your pocket or bag or contact with sharp objects including animal bites 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.

## General Notice

- Using a damaged battery or placing a battery in your mouth or animal's mouth may cause serious injury including a fire or explosion.
- 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, liquid, or expose to high humidity. If this happens, turn it off immediately and remove the battery. Immediately, 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. (Ringtones, text messages, voice messages, and pictures 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.
- There is risk of explosion if the battery is replaced with an incorrect type.
- Dispose of used batteries according to the manufacturer's instructions.

## FDA Consumer Update



The U.S. Food and Drug Administration's

Center for Devices and Radiological Health Consumer Update on Mobile Phones:

### 1. Do wireless phones pose a health hazard?

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

(by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

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

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

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

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

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

- National Institute for Occupational Safety and Health
- Environmental Protection Agency

- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

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

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

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



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

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

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

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

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

2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

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

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations,

but ten or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop — if they do — may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

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

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

The FDA has been a leading participant in the World Health Organization International Electro Magnetic Fields (EMF) Project

since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The project has also helped develop a series of public information documents on EMF issues.

The FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research And Development Agreement (CRADA) to do research on wireless phone safety. The FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts with independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

## **7. How can I find out how much Radio Frequency energy exposure I can get by using my wireless phone?**

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

directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

### **8. What has the FDA done to measure the Radio Frequency energy coming from wireless phones?**

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the Radio Frequency (RF) energy exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, "Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques", sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different

laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

### **9. What steps can I take to reduce my exposure to Radio Frequency energy from my wireless phone?**

If there is a risk from these products — and at this point we do not know that there is — it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to Radio Frequency (RF) energy. Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure. If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For

example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna. Again, the scientific data does not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

## **10. What about children using wireless phones?**

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

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom

distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

## **11. What about wireless phone interference with medical equipment?**

Radio Frequency (RF) energy from wireless phones can interact with some electronic devices. For this reason, the FDA helped develop a detailed test method to measure Electro Magnetic Interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical Instrumentation (AAMI). The final draft, a joint effort by the FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

The FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a “compatible” phone and a “compatible” hearing aid at the same time. This standard was approved by the IEEE in 2000.

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

## 12. Where can I find additional information?

For additional information, please refer to the following resources:

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

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

International Commission on Non-ionizing Radiation Protection (<http://www.icnirp.de>)

World Health Organization (WHO) International EMF Project (<http://www.who.int/emf>)

National Radiological Protection Board (UK) (<http://www.hpa.org.uk/radiation/>)

## Driving

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

- Give full attention to driving -- driving safely is your first responsibility;
- Use hands-free operation, if available;
- Pull off the road and park before making or answering a call if driving conditions or the law require it.

## 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 voice mail answer it for you.
4. Suspend conversations during hazardous driving conditions or situations. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.
5. Don't take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a "to-do" list while driving a car, you are not watching where you are going. It is common sense. Do not get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light, or otherwise stationary. But if you need to dial while driving, follow this simple tip -- dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix; they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations -- with your phone at your side, help is only three numbers away. Dial 911 or other local emergency number in the case of fire, traffic accident, road hazard, or medical emergency. Remember, it's a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a "Good Samaritan" in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 911 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special wireless non-emergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you can still use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle you



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

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.

### **Notice: Open Source Software**

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit <http://opensource.lge.com>.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to [opensource@lge.com](mailto:opensource@lge.com). This offer is valid for three (3) years from the date on which you purchased the product.

# LIMITED WARRANTY STATEMENT

ARBITRATION NOTICE: THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG TO RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS YOU CHOOSE TO OPT OUT. IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED “PROCEDURE FOR RESOLVING DISPUTES” BELOW.

## Warranty Laws

The following laws govern warranties that arise in retail sales of consumer goods:

- The California Song-Beverly Consumer Warranty Act [CC §§1790 et seq],
- The California Uniform Commercial Code, Division Two [Com C §§2101 et seq], and
- The federal Magnuson-Moss Warranty Federal Trade Commission Improvement Act [15 USC §§2301 et seq; 16 CFR Parts 701– 703]. A typical Magnuson-Moss Act warranty is a written promise that the product is free of defects or a written promise to refund, repair,

or replace defective goods. [See 15 USC §2301(6).] Remedies include damages for failing to honor a written warranty or service contract or for violating disclosure provisions. [See 15 USC §2310(d).] Except for some labeling and disclosure requirements, the federal Act does not preempt state law. [See 15 USC §2311.]

## 1. WHAT THIS WARRANTY COVERS:

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

- (1) The limited warranty for the product extends for TWELVE (12) MONTHS beginning on the date of purchase of the product with valid proof of purchase, or absent valid proof of purchase, FIFTEEN (15) MONTHS from date of manufacture as determined by the unit’s manufacture date code.
- (2) The limited warranty extends only to the original purchaser of the product and is not assignable or transferable to any subsequent purchaser/end user.

## LIMITED WARRANTY STATEMENT

(3) This warranty is good only to the original purchaser of the product during the warranty period as long as it is in the U.S., including Alaska, Hawaii, U.S. Territories and Canada.

(4) The external housing and cosmetic parts shall be free of defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.

(5) Upon request from LG, the consumer must provide information to reasonably prove the date of purchase.

(6) The customer shall bear the cost of shipping the product to the Customer Service Department of LG. LG shall bear the cost of shipping the product back to the consumer after the completion of service under this limited warranty.

### **2. WHAT THIS WARRANTY DOES NOT COVER:**

(1) Defects or damages resulting from use of the product in other than its normal and customary manner.

(2) Defects or damages from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness,

unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of LG, including damage caused by shipping, blown fuses, spills of food or liquid.

(3) Breakage or damage to antennas unless caused directly by defects in material or workmanship.

(4) That the Customer Service Department at LG was not notified by consumer of the alleged defect or malfunction of the product during the applicable limited warranty period.

(5) Products which have had the serial number removed or made illegible.

(6) This limited warranty is in lieu of all other warranties, express or implied either in fact or by operations of law, statutory or otherwise, including, but not limited to any implied warranty of marketability or fitness for a particular use.

(7) Damage resulting from use of non LG approved accessories.

# LIMITED WARRANTY STATEMENT

(8) All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal customer use.

(9) Products operated outside published maximum ratings.

(10) Products used or obtained in a rental program.

(11) Consumables (such as fuses).

### 3. WHAT LG WILL DO:

LG will, at its sole option, either repair, replace or refund the purchase price of any unit that does not conform to this limited warranty. LG may choose at its option to use functionally equivalent re-conditioned, refurbished or new units or parts or any units. In addition, LG will not re-install or back-up any data, applications or software that you have added to your phone. It is therefore recommended that you back-up any such data or information prior to sending the unit to LG to avoid the permanent loss of such information.

### 4. STATE LAW RIGHTS:

No other express warranty is applicable to this product. THE DURATION OF ANY IMPLIED

WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN. LG SHALL NOT BE LIABLE FOR THE LOSS OF THE USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF, OR INABILITY TO USE, THIS PRODUCT OR FOR ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY APPLICABLE TO THIS PRODUCT.

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

### 5. HOW TO GET WARRANTY SERVICE:

If you experience any problems with either the Bluetooth headset or the mobile handset, in each case as may be covered by this

## LIMITED WARRANTY STATEMENT

limited warranty, you need only return the affected device. For example, if a problem exists with the Bluetooth headset, please DO NOT return your mobile handset with the headset. Likewise, if a problem exists with the mobile handset, please DO NOT return the Bluetooth Headset with the handset.

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

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

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

LG Electronics Service- Mobile Handsets, P.O. Box 240007, Huntsville, AL 35824

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

### PROCEDURE FOR RESOLVING DISPUTES:

ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. BINDING ARBITRATION MEANS THAT YOU AND LG ARE EACH WAIVING THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION.

Definitions. For the purposes of this section, references to “LG” mean LG Electronics MobileComm U.S.A., Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to “dispute” or “claim” shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale, condition or

## LIMITED WARRANTY STATEMENT

performance of the product or this Limited Warranty.

Agreement to Binding Arbitration and Class Action Waiver. You and LG agree to resolve any claims between us only by binding arbitration on an individual basis, unless you opt out as provided below. Any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person's or entity's product or claim. More specifically, without limitation of the foregoing, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought on a class or representative basis.

Arbitration Rules and Procedures. To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be administered by the American Arbitration Association (AAA) and will be conducted before a single arbitrator under the AAA's

Consumer Arbitration Rules that are in effect at the time the arbitration is initiated (referred to as the "AAA Rules") and under the procedures set forth in this section. The AAA Rules are available online at [www.adr.org/consumer](http://www.adr.org/consumer). Send a copy of your written demand for arbitration, as well as a copy of this provision, to the AAA in the manner described in the AAA Rules. You must also send a copy of your written demand to LG at LG Electronics, USA, Inc. Attn: Legal Department-Arbitration 1000 Sylvan Avenue Englewood Cliffs, NJ 07632. If there is a conflict between the AAA Rules and the rules set forth in this section, the rules set forth in this section will govern. This arbitration provision is governed by the Federal Arbitration Act. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. All issues are for the arbitrator to decide, except that issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

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Governing Law. The law of the state of your residence shall govern this Limited Warranty and any disputes between us except to the extent that such law is preempted by or inconsistent with applicable federal law.

Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees to the AAA unless you seek more than \$25,000 in damages, in which case the payment of these fees will be governed by the AAA Rules. Except as otherwise provided for herein, LG will pay all AAA filing, administration and arbitrator fees for any arbitration initiated in accordance with the AAA Rules and this arbitration provision. If you prevail in the arbitration, LG will pay your reasonable attorneys' fees and expenses to the extent required by applicable law. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the standards set forth in Federal Rule of Civil Procedure 11 (b)), then the payment of all

arbitration fees will be governed by the AAA Rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the AAA Rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

Hearings and Location. If your claim is for \$25,000 or less, you may choose to have the arbitration conducted solely on the basis of (1) documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the AAA Rules. If your claim exceeds \$25,000, the right to a hearing will be determined by the AAA Rules. Any in-person arbitration hearings will be held at a location within the federal judicial district in which you reside unless we both agree to another location or we agree to a telephonic arbitration.

Opt Out. You may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice



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to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either: (i) sending an e-mail to [optout@lge.com](mailto:optout@lge.com), with the subject line: "Arbitration Opt Out" or (ii) calling 1-800-980-2973. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased; (c) the product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable (the IMEI or MEID or Serial Number can be found (i) on the product box or (ii) on a label on the back of the product beneath the battery, if the battery is removable. You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms

and conditions of the arbitration provision described above.

## Terminology

### **EZ Tip Calculator**

Feature for easy bill calculation using the total cost, tip, and number of people as variables.

### **Advanced Voice Recognition**

Feature that allows you to perform a wide range of verbal commands by training the phone to recognize your individual speech patterns.

### **Bluetooth® wireless technology**

Technology used to allow mobile phones, computers, and other personal devices to be easily coordinated and interconnected using a short-range wireless connection.

### **Media Center**

Feature that accesses the Internet to provide the ability to access and even download a wide variety of software, information, and more right on your LG Verizon Wireless phone.

## Acronyms and Abbreviations

### **DTMF**

Dual-Tone Multi Frequency (or “touch-tone”) is a method used to communicate keys pressed on the phone. Pressing a key generates two simultaneous tones, one for the row and one for the column to determine which key was pressed.

### **ERI**

Enhanced Roaming Indicator is a feature to indicate whether a mobile phone is on its home system, a partner network, or a roaming network. Many phones indicate home vs. roaming as an icon, but ERI capable phones can clearly indicate third “partner network” status.

### **GPS**

Global Positioning System is a system of satellites, computers, and receivers able to determine the latitude and longitude of a specific receiver on Earth. Position is calculated using time and distance.

## IS 2000

Type of digital signaling. It's the second generation of CDMA digital cellular, an extension of IS-95.

Differences between signaling types have to do with pilot signal and links to provide more traffic channels, and control protocols.

## NAM

Number Assignment Module is how the phone stores the phone number and its electronic serial number.

## SSL

Secure Sockets Layer Protocol used to encrypt data sent over the air.

## TTY

Teletypewriter. An electromechanical typewriter that either transmits or receives messages coded in electrical signals. A phone with TTY support is able to translate typed characters to voice or translate voice into characters to display on the TTY.

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