

# Important Safety Precautions

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



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



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



- Never place your phone in a microwave oven as it will cause the battery to explode.
- Do not dispose of your battery by fire or with hazardous or flammable materials.



- Make sure that no sharp-edged items such as animal's teeth, nails, come into contact with the battery. There is a risk of this causing a fire.
- Store the battery in a place out of reach of children.



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



## Important Safety Precautions



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



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



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



- Do not expose the battery charger or adapter to direct sunlight or use it in places with high humidity, such as a bathroom.
- Never store your phone in temperatures less than -4°F or greater than 122°F.



- Do not use harsh chemicals (such as alcohol, benzene, thinners, etc.) or detergents to clean your phone. There is a risk of this causing a fire.



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



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



- Do not damage the power cord by bending, twisting, pulling, or heating. Do not use the plug if it is loose as it may cause a fire or electric shock.
- Do not place any heavy items on the power cord. Do not allow the power cord to be crimped as it may cause fire or electric shock.
- Do not handle the phone with wet hands while it is being charged. It may cause an electric shock 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.



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



- Do not hold or let the antenna come in contact with your body during a call.



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



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Thank you for choosing the advanced and compact VX4650 cellular phone, designed to operate with the latest digital mobile communication technology, Code Division Multiple Access (CDMA) and Advanced Mobile Phone Service (AMPS). Along with the many advanced features of the CDMA system, such as greatly enhanced voice clarity, this phone offers:

- Large, easy-to-read, 7-line backlight LCD with status icons.
- Paging, messaging, voice mail, and caller ID.
- 18-key keypad.
- Speaker phone feature.
- Menu-driven interface with prompts for easy operation and configuration.
- Any key answer, auto answer, auto retry, one-touch and speed dialing with 99 memory locations.
- Bilingual (English and Spanish) capabilities.

## Important Information

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

## FCC Part 15 Class B Compliance

This device and its accessories comply with part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device and its accessories may not cause harmful interference, and (2) this device and its accessories must accept any interference received, including interference that causes undesired operation.

## Technical Details

The VX4650 is an all digital phone that operates on both Code Division Multiple Access (CDMA) frequencies: cellular services at 800 MHz and Personal Communication Services (PCS) at 1.9 Ghz. Also, the VX4650 works on Advanced Mobile Phone Service (AMPS). We call it a tri-mode phone. Since the phone operates on Cellular, PCS and AMPS, the call fail rate is less than on a conventional dual-mode or singlemode phone.

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



# Welcome

control technologies combine to reduce call interruptions. The Cellular and PCS CDMA networks consist of MSO (Mobile Switching Office), BSC (Base Station Controller), BTS (Base Station Transmission System), and MS (Mobile Station). The following table lists some major CDMA standards.

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

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

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



## **FCC RF Exposure Information**

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

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

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

### **Bodily Contact During Operation**

This device was tested for typical use with the back of the phone kept 3/4 inches (2 cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 3/4 inches (2 cm) must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. Third-party belt-clips, holsters, and similar accessories containing metallic components should not be used. Avoid the use of accessories that cannot maintain 3/4 inches (2 cm)

distance between the user's body and the back of the phone and have not been tested for compliance with FCC RF exposure limits.

### **Vehicle-Mounted External Antenna**

(Optional, if available.)

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

### **Caution**



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

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



# Phone Overview



1. **Earpiece**
2. **Flip** Flip open the case to answer an incoming call and close to end the call.
3. **LCD Screen** Displays messages and indicator icons.
4. **Left Soft Key** Use to display the function setting menu.
5. **Side Keys** Use to adjust the ringer volume in Main Menu Screen and the earpiece volume during a call.
6. **Send Key** Use to place or answer calls.
7. **Voice Command Key** Use for access to Voice Commands and Driving Mode.
8. **Manner Mode Key** Use to set the Manner Mode (from Main Menu Screen press and hold  for about 3 seconds).
9. **Right Soft Key** Use to select an action within a menu.
10. **Navigation Key** Use for quick access to Messages, My Shortcut, Get It Now and Mobile Web.
11. **Speakerphone Key** Use to set the Speaker Phone Mode.
12. **End/Power Key** Use to turn the power on/off and to end a call. Also use to return to the main menu display screen.
13. **Clear Key** Press to delete a single space or character. Press and hold to delete entire words. Press this key once in a menu to go back one level.
14. **Alphanumeric Keypad** Use to enter numbers and characters and select menu items.
15. **Lock Mode Key** Use in Main Menu Screen to set the lock function by pressing and holding the key  for about 3 seconds.
16. **Microphone**
17. **Headset Jack**



## Contacts

1. List Contacts
2. New Number
3. New E-mail
4. Groups
5. Speed Dials
6. My VCard



## Recent Calls

1. Dialed Calls
2. Received Calls
3. Missed Calls
4. Erase Calls
  1. Dialed Calls
  2. Received Calls
  3. Missed Calls
  4. All Calls
5. Call Timer
  1. Last Call
  2. Home Calls
  3. Roam Calls
  4. All Calls
6. KB Counter
  1. Received
  2. Transmitted
  3. Total



## Messages

1. Voice Mail
2. New Message
3. Inbox
4. Outbox
5. Saved
6. Msg Settings
  1. Auto Save
  2. Auto Erase
  3. Callback #
  4. Signature
  5. Voice Mail #
  6. Auto View
  7. Entry Mode
  8. Quick-Text
  9. Auto Play
7. Erase All
  1. Inbox
  2. Outbox
  3. Saved
  4. All



## Voice

1. Voice Commands
2. Sound Modes
3. Announce Alerts
4. Best Match
5. Train Words
6. Help



## Get It Now

1. Get It Now
2. Get Information



## Mobile Web

1. Start Browser
2. Web Messages
3. Web Alerts



# Menus Overview



## Media

1. Images
2. Sounds
3. Msg Objects
  1. Small Pictures
  2. Large Pictures
  3. My Pictures
  4. Sounds
  5. My Melodies
  6. Animations
  7. My Animations



## Tools

1. Schedule
2. Alarm Clock
  1. Alarm 1
  2. Alarm 2
  3. Alarm 3
  4. Quick Alarm
3. Voice Memo
4. My Shortcut
5. Notepad
6. Ez Tip Calc
7. Calculator
8. World Clock



## Settings

1. Sounds
  1. Ringers
  2. Key Tone
  3. Volume
  4. Message Alerts
  5. Service Alerts
  6. Power On/Off Tone
  7. DTMF Length
2. Display
  1. Banner
  2. Backlight
  3. Screens
  4. Menu Style
  5. Clocks
  6. Theme Colors
  7. Contrast
  8. Fonts
  9. Language
  0. Power Saver
  - \*. Status Light
3. System
  1. Select System
  2. Set NAM
  3. Auto NAM
  4. Serving System
4. Security
  1. Lock Phone
  2. Restrict Calls
  3. Emergency #s
  4. Change Lock
  5. Erase Contacts
  6. Reset Default
5. Call Setup
  1. Auto Retry
  2. Answer Call
  3. Auto Answer
  4. One-Touch Dial
  5. Voice Privacy
  6. Auto Volume
  7. TTY Mode
6. Data Settings
  1. Data/Fax
  2. PC Connection
7. Location
8. Phone Info
  1. My Phone Number
  2. S/W Version
  3. Icon Glossary
  4. Shortcut Help

# Getting Started with Your Phone

## The Battery

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

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

### Installing the Battery

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

### Removing the Battery

Turn the power off. While pressing the PUSH button on the back of the phone, pull the battery cover downward and remove it. Then remove the battery by pressing the upper area of it.

## Charging the Battery

To use the charger provided with your phone:

**Warning! Use only the charger provided with the phone. Using any charger other than the one included with the VX4650 may damage your phone or battery.**

1. Plug the round end of the adapter into the phone's charger jack and the other end into an electrical outlet.
2. The charge time varies depending upon the battery level. The maximum charge time for a fully discharged battery is 3.5 hours.

### Battery Charge Level

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






# Getting Started with Your Phone

## Turning the Phone On and Off

### Turning the Phone On

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

**NOTE** Like any other radio device, avoid any unnecessary contact with the antenna while your phone is on.



### Turning the Phone Off

1. Press and hold  until the display turns off.

## Signal Strength

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




## Making Calls

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

If the phone is locked, enter the lock code.



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

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

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


























4. Press  to end the call.

## Correcting Dialing Mistakes

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

## Screen Icons


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

	Signal strength indicator. The strength of the signal received by the phone is indicated by the number of bars displayed.		Data Session	
	Battery indicator. Indicates battery charge level.		Alarm	
	In use indicator. A call is in progress. * No icon indicates the phone is in Main Menu Screen.		Manner mode	 Silence all
	No service indicator. The phone is not receiving a system signal.		Analog indicator.	 Digital indicator.
	New text message indicator.		SSL	 TTY
	New voice mail indicator.		Location on mode.	 E911 only mode.
	New text and voice message indicator.		Driving mode.	 Announce mode.
	1x service indicator.		SSL	 TTY
	Roaming indicator. The phone is outside of the home service area.		Announce alerts.	 Speaker Phone On.





## Quick Access to Convenient Features

### Redialing Calls

1. Press  twice to redial the last number you dialed.  
The last 30 numbers are stored in the call history list and you can also select one of these to redial.


### Receiving Calls

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

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

2. Press  twice to end the call.

### Manner Mode

Use Manner Mode in public places. When Manner Mode is set,  is displayed on the screen, the key tones are silent, and the phone is set to vibrate.

#### Manner Mode Quick Activation

1. From Main Menu Screen press  for 3 seconds.

#### Manner Mode Quick Cancellation

1. Press  to switch to Normal Mode.

### Lock Mode

Use Lock Mode to prevent others from using your phone. When Lock Mode is set, your 4-digit password is required to use the phone.

**NOTE** The lock code/password is the last 4 digits of your phone number. You can change to a new password using the Security menu.

#### Lock Mode Quick Activation

1. From Main Menu Screen press  for 3 seconds.

#### Lock Mode Quick Cancellation

1. Press Right Soft Key  **Unlock** then enter your 4-digit password.



## Mute Function

The Mute function prevents the other party from hearing your voice, but allows you to hear the other party.

### Mute Quick Activation

1. Press Left Soft Key  **Mute** during a call.

### Mute Quick Cancellation

1. Press Left Soft Key  **Unmute** again.

## Volume Quick Adjustment

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

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

**NOTE** Key beep volume is adjusted through the Sounds Volume (Menu -> 9 -> 1 -> 3).



## Adjusting Speaker On

During a call, press the Speakerphone key to quickly activate Speaker On allowing your phone to function as a speaker box.

**NOTE** To cancel Speaker On, press Speakerphone Key again.

## Call Waiting

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

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

## Caller ID

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



## Quick Access to Convenient Features

### Speed Dialing

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

#### Dialing Single Digit Speed Dials (from 2 to 9)

Press and hold the Speed Dial number.

OR

Enter the speed dial number and press .

#### Dialing Double Digit Speed Dials (from 10 to 99)


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

OR

Enter the first and second digits and press .

### Voice Command Dialing

Voice Command is a convenient feature that allows you to activate certain feature quickly and easily by verbal command. Using this Voice Commands, you can make phone calls, confirm voice mail and missed calls, set driving/announce mode, edit the contact entries and so on.

1. Press the Voice Command key (.
2. When prompted, say "Call Someone."
3. When prompted, say the name entered in your contacts. The phone will ask you to confirm the name, then dial the number associated with the Contact name.

**NOTE** Another way to activate Voice Command is to set Announce Mode/Driving Mode to on. When the flip is opened you will be asked to say a command.

## Text Input

You can input and edit your Banner, Schedule, Contacts, and messages.

### Key Functions



**Right Soft Key** (Left Soft Key): Press to scroll through the following text input modes:

T9Word -> Abc -> 123 -> Symbols -> Smiley.



**Shift:** Press to change case.

T9 text : T9Word -> T9WORD -> T9word

Abc text : Abc -> ABC -> abc



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



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



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





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

### NOTE

When Key Tone is changed from Beep to English or Spanish (Menu -> 9 -> 1 -> 2), the phone announces the numbers pressed on the keypad.

### Text Input Modes

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

#### T9Word (T9) Mode

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

#### Abc (Multi-tap) Mode

Use to add words to the T9 database.

#### 123 (Numbers) Mode

Use to type numbers using one keystroke per number.

#### Symbols Mode

Use to insert special characters or punctuation. There are 39 special characters including “SP” which inserts a space and “LF” which forces the text to the next line.



# Entering and Editing Information

## Changing Letter Case

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

### Initial Cap (T9Word / Abc)

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

### Caps Lock (T9WORD / ABC)

All letters are capitalized.

### Lower Case (T9word / abc)

All letters are in lower case.

## Text Input Examples

Display the text modes and select a text mode:

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

## Using Abc (Multi-tap) Text Input


1. Press Right (or Left) Soft Key to change to Abc mode.
2. Press to change to ABC Caps Lock.
3. Press .  
LG is displayed.

## Using T9 Mode Text Input

1. Press Right (or Left) Soft Key to change to T9Word mode.
2. Press .
3. Press to complete the word and add a space.
4. Press .


Call the office. is displayed.

## Using the NEXT Key

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

1. Press    .








**Good** is displayed.

2. Press .








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

## Adding Words to the T9 Database

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

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

**Bop** is displayed.

3. Press Right Soft (or Left) Key  to change to T9 mode to add the word Bop to the T9 database.
  4. Press  to erase the existing word.
  5. Press   .
- cop** is displayed.
6. Press  .
- bop** is displayed.

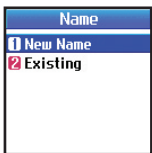


# Contacts in Your Phone's Memory

## Contacts Entries

This allows you to have easy access to your most frequently dialed phone numbers. You may store up to 500 entries with up to 5 phone numbers each. Each entry may be up to 22 characters. Each phone number may be up to 48 digits.

## The Basics of Storing Contacts Entries



1. From Main Menu Screen, enter the phone number you want to save (up to 48 digits).

2. Press Left Soft Key **Save**.

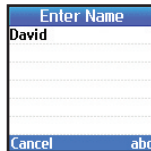
3. Use to select a Label, then press .

**Home / Home2 / Office / Office2 / Mobile / Mobile2 / Pager / Fax / Fax2 / None**

4. Use to select Name entry, then press .

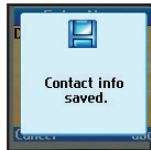
**New Name / Existing**

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



5. Enter a name for the phone number (up to 22 characters), then press .

**NOTE** To skip name entry, press to go to the next step.









A confirmation message is displayed briefly.

**NOTE** Press Left Soft Key **Done** to further customize the Contact entry or press to return to the Main Menu Screen.

6. Continue saving the entry as a Speed Dial, press to select Speed Dial.
7. Enter a Speed Dial digit (e.g., 2). Use the keypad, then press or use to highlight the Speed Dial location, then press .
8. Press Left Soft Key **Done** to further customize the Contact entry or press to return to the Main Menu Screen.







## Options to Customize Your Contacts




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

1. Press Right Soft Key  **Contacts** and use  to highlight the contact entry you want to edit, then press .
2. Press Left Soft Key  **Edit** to access the Edit Contact screen.
3. Use  to highlight the information you want to customize, then press .

### Adding or Changing the Group

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










1. Press Right Soft Key  **Contacts** and use  to highlight an entry, then press .
2. Press Left Soft Key  **Edit**.
3. Use  to highlight **No Group**, then press .

4. Use  to select the Group, then press .  
**No Group / Family / Friends / Colleagues / Business / School**
5. Press Left Soft Key  **Done** to save the change.

**NOTE** Use Menu -> 1 -> 4 to change the name of a group, add a group, and delete a group.

### Changing the Call Ringer

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










1. Press Right Soft Key  **Contacts** and use  to highlight an entry, then press .
2. Press Left Soft Key  **Edit**.
3. Use  to highlight **Default Ringer**, then press .
4. Use  to select the Ringer Type, then press .
5. Press Left Soft Key  **Done** to save the change.



## Contacts in Your Phone's Memory









### Changing the Message Ringer

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

1. Press Right Soft Key  **Contacts** and use  to highlight an entry, then press .
2. Press Left Soft Key  **Edit**.
3. Use  to highlight **Default Text Msg Ringer**, then press .
4. Use  to select the Ringer Type, then press .
5. Press Left Soft Key  **Done** to save the change.












### Adding or Changing the Memo

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






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

### Adding or Changing the Picture ID

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

1. Press Right Soft Key  **Contacts** and use  to highlight an entry, then press .
2. Press Left Soft Key  **Edit**.
3. Use  to highlight **Default**, then press .
4. Press Right Soft Key  **More** to display additional choices.
5. Use  to select one of the 34 images available, then press .
6. Press Left Soft Key  **Select**.
7. Press Left Soft Key  **Done** to save the change.

### Adding Speed Dial








1. Press Left Soft Key  **Menu**,  **1**,  **5**.
2. Highlight the number you want to set the speed dial to be set to press .
3. Select the contact you want to add the speed dial too press .



## Editing Contacts Entries










### Adding Another Phone Number

#### From the Main Menu Screen

1. From Main Menu Screen enter the phone number you want to save (up to 48 digits).
  2. Press Left Soft Key  **Save**.
  3. Use  to highlight a Label, then press .
- Home / Home2 / Office / Office2 / Mobile / Mobile2 / Pager / Fax / Fax2 / None**
4. Use  to highlight **Existing**, then press .
  5. Use  to highlight the existing Contact entry, then press .

A confirmation message is displayed.

#### Through Contacts

1. From Main Menu Screen press Right Soft Key  **Contacts**. Your Contacts display alphabetically.
  2. Use  to highlight the Contact entry you want to edit, then press .
  3. Press Left Soft Key  **Edit**.
  4. Use  to highlight **Add Number**, then press .
  5. Enter the number, then press .
  6. Use  to highlight a Label, then press .
- A confirmation message is displayed.



# Contacts in Your Phone's Memory

## Default Numbers

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

### Changing the Default Number

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

A confirmation message is displayed.

### Editing Stored Phone Numbers

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









A confirmation message is displayed.

### Editing Stored Names

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









## Editing Customized Options

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

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

## Deleting

### Deleting a Phone Number from a Contact







1. Press Right Soft Key  **Contacts** to display your Contacts alphabetically.
2. Use  to highlight the Contact entry, then press .
3. Press Left Soft Key  **Edit**.
4. Use  to highlight the phone number to be deleted.
5. Press Right Soft Key  **Options**.
6. Press  **Erase Number**.
7. Press  **Erase Number**.

A confirmation message is displayed.




## Contacts in Your Phone's Memory

### Deleting a Contact Entry







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

A confirmation message is displayed.

### Additional Ways to Delete a Contact

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

### Deleting a Speed Dial


1. Press Left Soft Key  **Menu**, , .
2. Highlight the existing speed dial.
3. Press Right Soft Key  **Options**.
4. Press  **Remove**.
5. Press  **Remove**.

A confirmation message is displayed.

## Phone Numbers With Pauses

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





### Hard Pause (P)



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

### 2-sec Pause (T)




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

### Storing a Number with Pauses

1. Press Left Soft Key  **Menu**.
2. Press  **Contacts**.
3. Press  **New Number**.
4. Enter the number.
5. Press Right Soft Key  **Pause**.













6. Use  to select pause type, then press .

### Hard Pause / 2-sec Pause

7. Enter additional number(s) (e.g., pin number or credit card number), then press .
8. Use  to select a Label, then press .
9. Enter a name (up to 22 characters).

A confirmation message is displayed.

### Adding a Pause to an Existing Number

1. Press Right Soft Key  **Contacts** to display your Contacts alphabetically.
2. Use  to highlight the Contact entry to edit, then press .
3. Press Left Soft Key  **Edit**.
4. Use  to highlight the number then press  2 times.
5. Press Right Soft Key  **Pause**.
6. Press  **Hard pause** or  **2-sec pause**.
7. Enter additional number(s), then press .
8. Use  to confirm the Label, then press .

A confirmation message is displayed.





# Contacts in Your Phone's Memory

## Searching Your Phone's Memory


The VX4650 phone is able to perform a dynamic search of the contents in your phone's memory. A dynamic search compares entered letters or numbers against the entries in your Contacts. A matching list is displayed in descending order. You can then select a number from the list to call or edit. There are several ways to search:

- Scrolling Alphabetically
- Searching by Letter
- Searching by Options
  - Find Name
  - Find Number
  - Find Speed Dial
  - Find Group
  - Find E-mail















### Scrolling Through Your Contacts

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

### Searching by Letter


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

### Searching Options






1. Press Right Soft Key  **Contacts**.
2. Press Right Soft Key  **Options**.
3. Select the search criteria (use  then press , or press the corresponding number on the keypad):
  -  **Find Name** - Enter the character(s) to search for (such as the first letter(s) of the name).
  -  **Find Number** - Enter the number(s) to search.
  -  **Find Speed Dial** - Enter the speed dial number(s) to search.
  -  **Find Group** - Use  to highlight the group to search for, then press .
  -  **Find E-mail** - Enter the e-mail address to search.
4. When the list of matches is displayed, use  to highlight a matched entry.
5. Press  to see more information or press  to place a call.

## Making a Call From Your Phone's Memory





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



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

### From Contacts



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

### From Recent Calls

1. Press Left Soft Key  **Menu**.
  2. Press  **Recent Calls**.
  3. Use  to select the type of recent call, then press .
- Dialed Calls/Received Calls/Missed Calls/Erase Calls/  
Call Timer/KB Counter**




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

### Speed Dialing

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

### Prepending a Stored Number


Prepend can be used if you are out of your home system area and need to add the area code to an existing number in your phone's memory. When a Contacts entry or message callback number is displayed, you can add to the beginning of the original number. However, you cannot edit the original number.

1. Recall a number in your Recent Calls (Dialed, Received, or Missed).
2. Press Right Soft Key  **Options**.
3. Press  **Prepend**.
4. Enter the prepend digits to the phone number.
5. Press  to place the call.







# Using Phone Menus


## Menu Access

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

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

### For example:

1. Press Left Soft Key  **Menu** to display nine menu items.  
Use  to scroll through the list of menus.
2. Press the appropriate number key corresponding to the menu item you want to select.  
The sub-menu list will be displayed.
3. Press the appropriate number key corresponding to the sub-menu you want to access.
4. Use  to highlight your preferred setting, then press  to select it.



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



## Contacts

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

### Access and Options

1. Press Left Soft Key  **Menu**.
2. Press  **Contacts**.
3. Select a sub-menu.









1. List Contacts
2. New Number
3. New E-mail
4. Groups
5. Speed Dials
6. My VCard





## 1. List Contacts





Allows you to view your Contacts list.



1. Press , , .
2. Options from here:
  - Press  to scroll through your Contacts alphabetically.
  - Press Right Soft Key  **Options** to select one of the following:  
**Find Name / Find Number / Find Speed Dial / Find Group / Find E-mail / Send Message / Erase**
  - Press Left Soft Key  **New** to store a New Number or New E-mail.

## 2. New Number

Allows you to add a new number to your Contacts

**NOTE** Using this sub-menu, the number is saved as a new Contact. To save the number into an existing Contact, edit the Contact entry.






1. Press , , .
2. Enter the number, then press .

3. Select the Label you want and press .
4. Enter the name, then press .
5. Continue saving the entry as necessary.

## 3. New E-mail

Allows you to save a new e-mail address.

**NOTE** Using this sub-menu, the e-mail is saved as a new Contact. To save the e-mail into an existing Contact, edit the Contact entry.

1. Press , , .
2. Enter the e-mail address, then press .
3. Enter the name, then press .
4. Continue saving the entry as necessary.



# Using Phone Menus

## 4. Groups

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

1. Press , , .
2. Options from here:
  - Use to highlight a group to view, then press .
  - Press Left Soft Key **Add** to add a new group to the list.
  - Use to highlight a group, then press Right Soft Key **Options** to change the name of the group or delete the group.

## 5. Speed Dials

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

1. Press , , .
2. Use to highlight the Speed Dial position (or enter the Speed Dial digit), then press .
3. Use to highlight the Contact, then press .
4. Use to highlight the number, then press .  
A confirmation message is displayed.

## 6. My VCard

Allows you to enter your own virtual business card to be used in text messages.

1. Press , , .
2. Use to select the feature you want to edit, then press .
3. Edit the information as necessary.

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



## 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 is continually updated as new numbers are added to the beginning of the list and the oldest entries are removed from the bottom of the list.

**NOTE** To view a quick list of all your recent calls, press from the Main Menu.

- indicates a dialed call.
- indicates a received call.
- indicates a missed call.

### Access and Options

1. Press Left Soft Key **Menu**.
2. Press **Recent Calls**.
3. Select a sub-menu.



1. Dialed Calls
2. Received Calls
3. Missed Calls
4. Erase Calls
5. Call Timer
6. KB Counter

### 1. Dialed Calls

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

1. Press , , .
  2. Use to highlight an entry.
- Press to view the entry.
  - Press to place a call to the number.
  - Press Right Soft Key **Options** (for call lists) to select **Save / Send Message / Prepend / Erase / Erase All**
  - Press to return to the Main Menu Screen.



# Using Phone Menus

## 2. Received Calls

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

1. Press , , .
2. Use to highlight an entry.

## 3. Missed Calls

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

1. Press , , .
2. Use to highlight an entry.

## 4. Erase Calls

Allows you to erase selected call list(s).

1. Press , , .
2. Use to highlight the list of calls to erase, then press .

**Dialed Calls / Received Calls / Missed Calls / All Calls**

3. Press **Erase** or **Cancel**.

## 5. Call Timer

Allows you to view the duration of selected calls.

1. Press , , .
2. Use to highlight a call list, then press .

**Last Call / Home Calls / Roam Calls / All Calls**

## 6. KB Counter

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

1. Press , , .
2. Use to highlight a data call list, then press .

**Received / Transmitted / Total**



## Messages



### Short Cut

Press the navigation key downward



to access messages.



### Access and Options

1. Press Left Soft Key  **Menu**.
2. Press  **Messages**.
3. Select a sub-menu.



1. **Voice Mail:** Shows the number of messages in voice mail box.
2. **New Message:** Sends a message.
3. **Inbox:** Shows the list of received messages.
4. **Outbox:** Shows the list of sent messages.
5. **Saved:** Shows the list of saved and draft messages.
6. **Msg Settings:** Selects alert type for new messages.
7. **Erase All:** Deletes all stored messages.

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

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

The phone can store up to 116 messages (1 voice message, 50 inbox text messages, 50 outbox text messages, 15 saved text messages). The VX4650 supports up to 160 characters per message including header information. The information stored in the message is determined by phone mode and service capability. Other limits to available characters per message may exist. Please check with your service provider for system features and capabilities.



# Using Phone Menus

## New Message Alert

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






1. The phone displays a message on the screen.
2. One of eight ring types is heard, if selected.
3. The message icon (✉) is displayed on the screen. In the case of an urgent message, the icon will flash and Urgent message is displayed.

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

## 1. Voice Mail

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

### Checking Your Voice Mail Box

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

## 2. New Message


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

### The Basics of Sending a Text Message

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

A confirmation message is displayed.







### Customizing the Text Message Using Options

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

- Send** Sends the message.
  - Priority** Gives priority to the message.  
**Normal / Urgent.**
  - Callback #** Inserts a pre-programmed callback number with your message.  
**On / Off / Edit**
  - Delivery Notice** Informs you that the message has been successfully delivered to the recipient.  
**Enhanced / Normal**
  - Save Message** Saves the message into the saved folder.
  - Erase Field** Deletes address or contents of message field.
4. Complete and send the message.

### Using Contacts to Send a Text Message

You can designate an entry saved in your Contacts as Address 1 instead of manually entering the destination.




1. Press , **3** , **2** .
  2. Press Left Soft Key  **Contacts**.
  3. Select **Contacts / Recent Calls / Recent Addresses**. then press **OK** .
  4. Use  to highlight the Contact entry containing the destination, then press **OK** .
  5. Use  to highlight the SMS phone number or e-mail address, then press **OK** .
- NOTE** The Address 1 feature allows multi-sending of up to 10 addresses.
6. Complete the message as necessary.



# Using Phone Menus

## Text Options

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

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

### Insert Quick-Text

Inserts 12 predefined phrases.

### Insert Object

Inserts objects into the message.

**Small Pictures / Large Pictures /  
My Pictures / Sounds /  
My Melodies / Animations /  
My Animations**

### Format Text

Allows you to change the look of the text.

**Alignment / Font Size / Font Style /  
Text Color / Background**

### Save Quick-Text

Allows you to define phrases to insert as Insert Quick Text.

### Insert Signature

Inserts a predefined signature.  
**Custom / My VCard**

5. Complete and send or save the message.

## Message Icon Reference



**Sent** : Messages sent in Short Message Center(SMC) have been transmitted.



**Fail** : Indicates a failed message transmission.



**Delivery** : Message has been delivered.



**Lock** : Indicates that messages are locked.



**Multi-sending** : Indicates more than one designated recipient.




**Pending** : Transmission is unavailable in a no service area or in an analog service area. Messages are pending transmission. Pending messages are transmitted automatically when digital mode becomes available.



### 3. Inbox

The phone alerts you in 3 ways when you receive a new message by:

- Displaying a message notification on the screen.
- Sounding a beep, vibrating or sound, if set.
- Displaying the message icon . It blinks when the message is urgent.







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

#### Out of Memory Warning

If the memory is full, no more messages can be received until enough memory space becomes available. The message NOT ENOUGH MEMORY is displayed and new messages are not accepted.

Viewing Your Inbox

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





1. Press , , .
2. Use  to highlight an Inbox message.
  - Left Soft Key  **Reply**.
  - Right Soft Key  **Options**.

#### Erase

Deletes the selected message from the Inbox.

#### Lock/Unlock

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

3. Use  to highlight an Inbox message, then press .
4. While viewing the selected message, press Left Soft Key  **Reply** or Right Soft Key  **Options**.

#### Options from here:

##### Reply w Copy

Replies to the SMS with the original message attached.

##### Forward

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

##### Erase

Deletes the selected message from the Inbox.

##### Save Address

Stores the callback number, e-mail address, and numbers in user data included in the received message into your Contacts.

##### Save Object

Saves animations and sounds to be used as wallpaper or ring tone.









## Using Phone Menus

- Save Quick-Text** Saves the message into the Quick-Text list.
- Save Message** Saves Inbox message into the Saved Folder.
- Lock/Unlock** Locks or unlocks the selected message. Locked messages can not be deleted by the Erase Inbox or Erase All functions.

### 4. Outbox




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

1. Press , , .
2. Use  to highlight an Outbox message.
  - Press Left Soft Key  **Resend**.
  - Press Right Soft Key  **Options**.

**Erase** Deletes the selected message from the Outbox.

**Lock/Unlock** Locks a message so that it is not erased if the Erase Outbox or Erase All feature is used.





3. Use  to highlight an Outbox message, then press

 . While viewing the selected Outbox message, press Left Soft Key  **Send** to or press Right Soft Key  **Options**.

- Erase** Deletes the selected message.
- Save Address** Stores the callback number, e-mail address, and numbers in user data included in the received message into your Contacts.
- Save Quick-Text** Saves the message into the Quick-Text list.
- Save Message** Saves Outbox message into the Saved Folder.
- Lock/Unlock** Locks or unlocks the selected message. Locked messages can not be deleted by the Erase Outbox and Erase All functions.
- Message Info** Shows the message type priority and status.

## 5. Saved

Displays saved messages and draft messages.



1. Press , **3** def, **5** HL.
2. Use  to highlight a Saved message.
  - Press Left Soft Key  **Resume**.
  - Press Right Soft Key  **Options**.

**Erase** Deletes the selected message.

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

## 6. Msg Settings

Allows you to configure 9 settings for received messages.

1. Press , **3** def, **6** MMO.
2. Use  to highlight one of the settings and press **OK** to select it.

**Auto Save** Auto Save / Prompt / Do Not Save

**Auto Erase** On / Off

**Callback #** Edit Callback #

**Signature** None / Custom / My VCard

**Voice Mail #**

Edit Voicemail #

**Auto View**

On / Off

**Entry Mode**

T9Word / Abc / 123

**Quick-Text Inserts**

12 predefined phrases.

**Auto Play**

On / Off

## Message Settings Sub-Menu Descriptions

### 6.1 Auto Save

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

### 6.2 Auto Erase

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

### 6.3 Callback #

Allows you to automatically send a designated callback number when you send a message. Allows you to manually enter the number.



## Using Phone Menus

### 6.4 Signature

Allows you designate a signature to automatically send with your messages. You can create a custom signature line or use your VCard.

### 6.5 Voice Mail #

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

### 6.6 Auto View

Allows you to directly display the content when receiving a message.

### 6.7 Entry Mode

Allows you to select the default input method.

### 6.8 Quick-Text









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

### 6.9 Auto Play

With this feature on, the display automatically scrolls down while viewing messages.

## 7. Erase All

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

1. Press , , .
  - Press  **Inbox** to erase all messages stored in the Inbox.
  - Press  **Outbox** to erase all messages stored in the Outbox.
  - Press  **Saved** to erase all messages stored in the Saved messages folder.
  - Press  **All** to erase all messages stored in the Inbox, Outbox, and Saved messages folder.
2. Press  **Erase All**.



A confirmation message is displayed.



## Voice

Allows you to select options for voice activation, announce alerts and recognition results; and enables you to adapt the phone to recognize your way of saying numbers.

Access and Options






1. Press Left Soft Key  **Menu**.
2. Press  **Voice**.
3. Select a sub-menu.



1. Voice Commands
2. Sound Modes
3. Announce Alerts
4. Best Match
5. Train Words
6. Help

## 1. Voice Commands

Allows you to set how you activate voice recognition.

1. Press , , .
2. Use  to select a setting, then press .

### Flip Open

Activates voice recognition whenever you flip open the phone. (When the phone is already open, you activate voice recognition by pressing the voice command key.)

### Side Key Only






Activates voice recognition when you flip open the phone and press the voice command key.



# Using Phone Menus


## 2. Sound Modes

Allows you to set Driving Mode/Announce Mode.

1. Press , , .
2. Use  to select a setting, then press .

### Driving Mode / Announce Mode / Normal Mode


For example,

- 1) Press Left Soft Key  **Menu**.
- 2) Main menu screen appears, phone announces "Main menu".
- 3) Then, phone announces the first menu item that is highlighted.
- 4) When the cursor is moved, the highlighted menu item is announced.
- 5) Menu readout only to the first sub-level.

## 3. Announce Alerts

Allows you to notify caller ID and sender of message by voice.

1. Press , , .






2. Use  to select a setting, then press .

### On / Off

**NOTE** When Announce Alerts is set,  is displayed on the screen.

## 4. Best Match

After you say a name or a number, your phone displays the recognition results—the name or number that best matches the one you said—and asks you to confirm. Select the number of results that you want your phone to display.





1. Press , , .
2. Use  to select a setting, then press .

**1 Result** Displays the name or number that best matches the one you said.



**4 Results** Displays the four names or numbers that best match the one you said and asks you if the first one is correct. If you say "Yes," the phone makes the call. If you say "No," the phone suggests the second one in the list, and so on, up to the fourth result.

## 5. Train Words

Command Train is an optional personalization feature that helps your phone recognize the way you pronounce commands. If you do not get consistently good results with the commands, perform this brief, one-time session.

1. Press , , .
2. Select a sub-menu, then press .

**Commands / Digits / Yes, No / Contacts / Phone Label**

3. Use  to select a setting, then press .

**Training On / Training Off**

## 6. Help

Helps you to use the Voice menu.

1. Press , , .



## Get It Now

Get It Now allows you to do more than just talk on your phone. Get It Now is a technology and service that allows you to download and use applications on your phone. With Get It Now, it is quick and easy to personalize your phone to your lifestyle and tastes. Just download the applications that appeal to you. With a wide range of software available, from ringtones to games to productivity tools, you can be assured that you can find something useful, practical, or down right entertaining.

### Downloading Applications

You can download applications and use Get It Now anywhere on the Verizon Wireless network, as long as your handset has a digital signal available. Most applications do not use a network connection while in use.

### Incoming Calls



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



## Using Phone Menus

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

### Access and Options

1. Press Left Soft Key  **Menu**.
2. Press  **Get It Now**.
3. Options from here:









1. **Get It Now:** To add, delete, or disable Get It Now applications.
2. **Get Information:** To view information about Get It Now applications.



### 1. Get It Now

Allows you to download selected applications while displaying the Get It Now application list relayed from the Get It Now server connection.

1. Press , , .
2. Press .
3. Select [Get It Now] Icon and press .





**Short Cut** Press the navigation key right  to access Get It Now.

**NOTE** When the file memory is full, the message "File Memory Full. To make enough storage space to install this app, the following app(s) will be temporarily disabled : You can restore disabled apps by simply starting them, at no additional purchase cost. Proceed?" will be displayed. If you select Yes, the app(s) will be disabled.



## 2. Get Information

Gives you information about the Get It Now selection key.





1. Press  , **5**  , **2** .
2. Press .

### Managing Your Get It Now Applications

Add new applications and remove old ones at any time.

#### Removing Applications

Only removing an application deletes it completely from the memory of the phone. To restore an application once it has been removed will require that you pay and download it again.



1. Access Get It Now.
2. Select Settings.
3. Use  to highlight Manage Apps, then press .
4. Use  to highlight the application to be deleted, then press .
5. Select **Remove**.



## Mobile Web

Mobile Web 2.0 allows you to access news, sports, weather, and email from your Verizon Wireless device. Access and selections within this feature are dependent upon your service provider. For specific information on Get News & Info access through your phone, contact your service provider.

### Access and Options

1. Press Left Soft Key  **Menu**.
2. Press  **Mobile Web**.
3. Select a sub-menu.



1. **Start Browser**
2. **Web Messages**
3. **Web Alerts**









# Using Phone Menus


## 1. Start Browser

Allows you to initiate a MiniBrowser session.

**Short Cut** Press the navigation key left  to access web browsing.

1. Press , , .
2. After a few seconds, you see the Home Page.

### Ending a MiniBrowser Session

End a MiniBrowser session by pressing .

### Navigating Through the Browser

On-screen items may be presented 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 Key(s).


- **Links embedded in content**

You can act on the options or the links by using the Soft Keys just below the display screen.


- **Text or numbers**

You can select the items by moving the cursor and pressing the appropriate Soft Keys.

### Scrolling

Use  to scroll through the content if the current page does not fit on one screen. The currently selected item is indicated by a cursor on the screen.

### Fast Scrolling

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

### Scrolling by Page

Press the Side Keys to move up and down a page at a time.

### Home Page

Press and hold  or  to access the Home Page.


### View Browser Menu

Press and hold Voice Command Key () to use the Browser menu.


### Soft Keys

To navigate to different screens or select special functions, use the Soft Keys. The function associated with the Soft Keys can change for each page and depends on each highlighted item.





### Left Soft Key

Left Soft Key  is used primarily for first options or selecting an item but its function may change, depending on the content displayed.



### Right Soft Key

Right Soft Key  is used primarily for secondary options or a menu of secondary options.

### Entering Text, Numbers, or Symbols


When prompted to enter text, the current text entry method appears above the Right Soft Key  as **Alpha**, **Symbol**, **Number**, **Word**, or **Smart**. To change the input mode, press the Right Soft Key . To change to upper case, press . The text method appears above the Right Soft Key  as **ALPHA**, **WORD**, or **SMART**.

### Clearing Out Text/Number Entered

When entering text or numbers, press  to clear the last number, letter, or symbol. Press and hold  to clear the input field completely.

### Initiating a Phone Call From MiniBrowser

You can make a phone call from MiniBrowser if the site

you are using supports the feature (the phone number may be highlighted and Left Soft Key  appears as 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.

## 2. Web Messages

Allows you to view Web messages. If there are any browser messages, the list is displayed from newest to oldest.

1. Press , , .

Your list of Web messages is displayed.

## 3. Web Alerts

Allows you to select a browser alert sound.

1. Press , , .

2. Select an alert option.

**Mute / 2 Beeps / 4 Beeps**





# Using Phone Menus



## Media

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

### Access and Options

1. Press Left Soft Key  **Menu**.
2. Press  **Media**.
3. Select a sub-menu.



#### 1. Images






#### 2. Sounds

#### 3. Msg Objects








## 1. Images

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

1. Press , , .
2. Use  to highlight your selection, then press  to select.




## 2. Sounds

Allows you to choose the downloaded ring tones heard for incoming calls.

1. Press , , .
2. Use  to highlight your selection, then press  to select.

### 3. Msg Objects

Allows you to set objects to correspond with your messages.



1. Press , **7 pps**, **3 def**.
2. Select one of the following (highlight and press **OK** or press corresponding key):
  - **1  Small Pictures**
  - **2  Large Pictures**
  - **3  My Pictures**
  - **4  Sounds**
  - **5  My Melodies**
  - **6  Animations**
  - **7  My Animations**
3. Use  to highlight your selection, then press **OK**.



## Tools

Your phone tools include a Schedule, Alarm Clock, Voice Memo, My Shortcut, Notepad, Ez Tip Calc, Calculator, and World Clock.

### Access and Options

1. Press Left Soft Key  **Menu**.
2. Press **8  Tools**.
3. Select a sub-menu.



1. Schedule
2. Alarm Clock
3. Voice Memo
4. My Shortcut
5. Notepad
6. Ez Tip Calc
7. Calculator
8. World Clock



# Using Phone Menus

## 1. Schedule

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

1. Press , , .
2. Use to highlight the scheduled day.

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

3. Press Left Soft Key **Add**.

4. Enter your schedule information including:

- Date
- Time
- Title/Information
- Voice
- Recurring event
- When to ring the alarm reminder
- Which ring alarm to sound

5. Press Left Soft Key **Save**.

**NOTE** Scheduler will not alert you during a call or during SMS transmitting. It will sound the reminder after you exit a call.

## 2. Alarm Clock

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

1. Press , , .

2. Select the alarm you want to edit.

**Alarm 1** / **Alarm 2** / **Alarm 3** /  
 **Quick Alarm**

3. Use to highlight the alarm time then press .

4. Set the time for alarm and press .

5. Use to highlight **Once** (recurring setting) and press .

6. Press to select one of the following and press .  
**Once / Daily / Mon - Fri / Weekends**








7. Use to highlight **Ring** (ring type setting) and press .

8. Use to select one of the available alarm ring types and press .

9. Press Left Soft Key **Save**.



### 3. Voice Memo

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

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

-  **Edit Title**
-  **Memory Info**
-  **Set As**
-  **Erase**
-  **Erase All**

#### To Playback a Voice Memo



1. Access Voice Memo, highlight the Voice Memo you want to hear, then press .
2. Press Left Soft Key  **Play**.

### 4. My Shortcut

Allows you to set a shortcut to Recent Calls, Contacts, Tools, or Settings using the Up Navigation key.

1. Press , , .

An explanation message is displayed.


2. Press  to continue.
3. Select the shortcut you want to set (press the corresponding number or highlight it and press ).

### 5. Notepad

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

1. Press , , .

2. Press Left Soft Key  **Add** to write a new note.


3. Type the note, then press .



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





# Using Phone Menus

## Viewing a Notepad Entry

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

-  **Erase**
-  **Erase All**

To edit, highlight the entry, press  then press Left Soft Key  **Edit**.




## 6. Ez Tip Calc




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

1. Press , , .

## 7. Calculator

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

1. Press , , .
2. Enter data.


- Use keypad to enter numbers.
- Use  to enter decimals.
- Use  to enter plus/minus change.
- Press Left Soft Key to clear the entry.
- Press Right Soft Key to enter algebraic operators.
- Use Navigation Key to enter operators.
- Press  to complete equation.

**NOTE** Calculations can be made with up to 29 characters at one time (e.g., 63+78-21 would be 8 characters).

## 8. World Clock

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

1. Press , , .
2. Press Right Soft Key  **Cities** to move the time bar across the world map and display the date/time in that location.

**NOTE** Press Left Soft Key  **Set DST** to display Daylight Savings Time in the selected location.





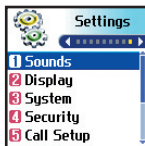


## Settings

The Settings menu has options to customize your phone.

### Access and Options

1. Press Left Soft Key  **Menu**.
2. Press  **Settings**.
3. Select a sub-menu.









1. Sounds
2. Display
3. System
4. Security
5. Call Setup
6. Data Settings
7. Location
8. Phone Info

## 1. Sounds

Options to customize the phone's sounds.

### 1.1 Ringers






Allows you to assign ring tones for incoming calls.

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

**NOTE** Additional ring tones can be downloaded by visiting [www.vtext.com](http://www.vtext.com).

### 1.2 Key Tone

Allows you to select the Key Tone type.

1. Press , , , .
2. Select a tone style, then press .

**Beep** Sends out a beep sound, when you press the keys.

**English** Sends out a voice (English), when you press the keys.

**Spanish** Sends out a voice (Spanish), when you press the keys.



# Using Phone Menus

## 1.3 Volume

Allows you to set various volume settings.

1. Press , , , .
2. Select **Ringer / Earpiece / Key Beep / Speaker Phone**.
3. Use to adjust the volume of the ringer, then press .

## 1.4 Message Alerts

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

1. Press , , , .
2. Select **Voice Mail / Text Message / E-mail / Page / 2-Min Reminder**.
3. Use to select a setting, then press .

## 1.5 Service Alerts

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

1. Press , , , .
2. Select an alert option.

### 1.5.1 Service Change

Alerts you when service changes. Displays Entering Service Area or Leaving Service Area message.

### 1.5.2 ERI Sounds

Alerts you the status of cellular service.

### 1.5.3 Minute Beep

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

### 1.5.4 Call Connect

Alerts you when the call is connected.







### 1.5.5 Back To Top

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

3. Use to set **On** or **Off**, then press .






## 1.6 Power On/Off Tone

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

1. Press , , , .
2. Use  to set to **On** or **Off**, then press .

## 1.7 DTMF Length

Allows you to set the Key tone length and touch tone playback speed.

1. Press , , , .
2. Select an option, then press .

**Normal** Sends out a tone for a fixed period of time even if you keep the key pressed.

**Long** Sends out a continuous tone for as long as you keep the key pressed.






**NOTE** Dual-Tone Multi Frequency (DTMF) Signaling by the simultaneous transmission of two tones, one from a group of low frequencies and another from a group of high frequencies. Each group of frequencies consists of four frequencies. Setting the Key Beep length to Long will extend the DTMF tone.

## 2. Display

Options to customize the phone's display screen.

### 2.1 Banner

Allows you to enter a string of up to 16 characters which display on the LCD screen.









1. Press , , , .
2. Enter your banner text, then press .

### 2.2 Backlight

Allows you to set the duration for illuminating the backlight. LCD and Key Light Timer are set separately.

**NOTE** If an amount of time is set for the timer option, the time starts after the last key was pressed.

#### 2.2.1 LCD

1. Press , , , , .
2. Choose a sub-menu, then press .  
 **Timer** /  **Brightness**



# Using Phone Menus

## 2.2.2 Key Light Timer

1. Press , , , , .
2. Choose a setting, then press .

## 2.3 Screens

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

1. Press , , , .
2. Select **Wallpaper / Power On / Power Off**, then press .
3. Select from different screens, then press .
4. Left Soft Key **Save**.

**NOTE** Right Soft Key **More**, provides access to additional choices.

## 2.4 Menu Style

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

1. Press , , , .
2. Select **Icon** or **List** and press .

## 2.5 Clocks

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

1. Press , , , .
2. Select **Normal / Analog / Digital**, then press .
3. Press Left Soft Key **Save**.

## 2.6 Theme Colors

Allows you to choose the color of the background screen.

1. Press , , , .
2. Select **Default / Green / Violet / Orange**, then press .

## 2.7 Contrast

Allows you to set the level of contrast for your LCD screen.

1. Press , , , .
2. Choose a Contrast sub-menu and press .  
 **Main LCD** / **Front LCD**
3. Use to adjust the contrast level, then press .



## 2.8 Fonts

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

### 2.8.1 Calling Digits

1. Select **Size** or **Color** sub-menu.



 **Size** or  **Color**

2. Press  to choose a setting, then press  to save.

### 2.8.2 Text Editor







1. Select **Size** or **Color** sub-menu.

 **Size** or  **Color**

2. Press  to choose a setting, then press  to save.







## 2.9 Language

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

1. Press , , , .
2. Use  to select **English** or **Spanish**, then press .







## 2.0 Power Saver

Display and buttons are lighted for a designated length of time, allowing you the convenience to use your mobile phone in the dark.

1. Press , , , .
2. Use  to select **2 min** / **10 min** / **30 min** / **Off**, then press .

## 2.\* Status Light

Shows the status on your phone by blinking the light.

1. Press , , , .
2. Use  to set to **On** or **Off**, then press .









# Using Phone Menus

## 3. System

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







### 3.1 Select System

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

1. Press , , , .
2. Use  to select **Home Only**, **Automatic**, then press .







### 3.2 Set NAM

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

1. Press , , , .
2. Use  to select **NAM1** or **NAM2**, then press .

### 3.3 Auto NAM

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

1. Press , , , .
2. Use  to select **On** or **Off**, then press .

### 3.4 Serving System

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

1. Press , , , .







## 4. Security

The Security menu allows you to secure the phone electronically.

### 4.1 Lock Phone

Keeps your phone from unauthorized use. Once the phone is locked, it is in restricted mode until the lock code is entered. You can receive phone calls and still make emergency calls.

You can modify the lock code using the New Lock code within the Security menu.

1. Press , , .
2. Enter the four-digit lock code.  
The default lock code is commonly the last 4 digits of your phone number.
3. Press  **Lock Phone**.
4. Use  to select an option, then press .







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

**Lock** The phone is always locked. When locked, you can receive incoming calls and make only emergency calls.

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








### 4.2 Restrict Calls

Allows you to restrict outgoing calls. If you set this feature to On, you can only place calls to emergency numbers and phone numbers stored in your Contacts. You can still receive calls in restrict mode.

1. Press , , .
2. Enter the four-digit lock code.
3. Press  **Restrict Calls**.
4. Use  to select **On** or **Off**, then press .

### 4.3 Emergency #s

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

1. Press , , .
2. Enter the four-digit lock code.
3. Press  **Emergency #s**.
4. Use  to select the emergency number position, then press .
5. Enter an emergency phone number, then press .



# Using Phone Menus

## 4.4 Change Lock

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

1. Press , , .
2. Enter the four-digit lock code.
3. Press **Change Lock**.
4. Enter a new 4-digit lock code.
5. For confirmation, it will ask you to enter the new lock code again.

## 4.5 Erase Contacts

Allows you to erase all of your Contacts at once.

1. Press , , .
2. Enter the four-digit lock code.
3. Press **Erase Contacts**.
4. Select **Erase all #s** then press .

## 4.6 Reset Default

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

1. Press , , .
2. Enter the four-digit lock code.
3. Press **Reset Default**.
4. Press .
5. Press **Revert**.

## 5. Call Setup

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

### 5.1 Auto Retry







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

1. Press , , , .
  2. Use to select a setting, then press .
- Off / Every 10 seconds / Every 30 seconds / Every 60 seconds**



## 5.2 Answer Call







Allows you to determine how to handle an answered call.

1. Press , , , .
2. Use  to select a setting, then press .

**Flip Open / Any Key / SEND Only**

## 5.3 Auto Answer

Allows you to select the number of rings before the phone automatically answers a call. This feature is intended for use with hands free devices, but is an independent feature of the phone and must be manually turned on/off when connected or disconnected from the device.







1. Press , , , .
2. Use  to select a setting, then press .

- **Off**

- **After 5 seconds** When you have an incoming call, the phone automatically responds after 5 seconds with the flip opened.

## 5.4 One-Touch Dial







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

1. Press , , , .
2. Use  to select a setting, then press .

**Enable / Disable**

## 5.5 Voice Privacy

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

1. Press , , , .
2. Use  to select a setting, then press .

**Enhanced / Standard**



# Using Phone Menus

## 5.6 Auto Volume

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

1. Press , , , .
2. Use to select a setting, then press .

**On / Off**

## 5.7 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. Press , , , .
2. Press .
3. Use to select a setting, then press .

**TTY Full / TTY + TALK / TTY + HEAR / TTY Off**

## 6. Data Settings

This menu allows you to use wireless data communication services. Wireless data communication services refers to the utilization of subscriber terminals for access to the internet with personal computers or laptops at 19.2 Kbps or at a maximum of 230.4 Kbps. The connection speed depends on your carrier's network and other variables. Check that communications information specifications match the network.

### 6.1 Data/Fax

Allows you to use your phone to transmit data and faxes.



1. Press , , , .
2. Use to select a setting, then press .

**Off / Fax In Once / Fax In Always / Data In Once / Data In Always**

**NOTE** The Data Connection Kit allows you to connect your PC or PDA to your LG wireless phone, freeing you from having to locate a telephone outlet. You can send or receive an e-mail, a fax, or access the Internet anytime, anywhere.

## 6.2 PC Connection

Allows you to select the data port.



1. Press , **9**xyz, **6**mno, **2**abc.
2. Use  to select a setting, then press **OK**.

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

**NOTE** When using the 1X HSPD data service via an RS-232C data cable, the port speed is set to 115,200 (230,400 is not supported). When using the 1X HSPD data service via a USB data cable, you may get better port speed if the port speed is set to 230,400 rather than 115,200.

## 7. Location

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

1. Press , **9**xyz, **7**pqrs.
2. Use  to select a setting, then press **OK**.

**Location On / E911 Only**

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

## 8. Phone Info

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

### 8.1 My Phone Number

Allows you to view your phone number.

1. Press , **9**xyz, **8**tuv, **1**000.

### 8.2 S/W Version

Allows you to view the software, PRL, ERL.

1. Press , **9**xyz, **8**tuv, **2**abc.

### 8.3 Icon Glossary

Allows you to view all the icons and their meanings.

1. Press , **9**xyz, **8**tuv, **3**def.

### 8.4 Shortcut Help

Allows you to view condensed information about using the phone.

1. Press , **9**xyz, **8**tuv, **4**ghi.



# Safety

## *TIA Safety Information*

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

### **Exposure to Radio Frequency Signal**

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

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

ANSI C95.1 (1992) \*

NCRP Report 86 (1986)

ICNIRP (1996)

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:

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

## Driving

Check the laws and regulations on the use of wireless phones in the areas where you drive 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 so require.

## Electronic Devices

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

## 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.) Optional for each phone manufacturer.

## 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.



# Safety

## Health Care Facilities

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

## Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

## Posted Facilities

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

## Aircraft

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

## Blasting Areas

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

## Potentially Explosive Atmosphere

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

Areas with a potentially explosive atmosphere are often, but not always marked clearly. Potential areas may include: fueling areas (such as gasoline stations); below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles (such as grain, dust, or metal powders); and any other area where you would normally be advised to turn off your vehicle engine.

## For Vehicles Equipped with an Air Bag

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

## Safety Information

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



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

### Charger and Adapter Safety

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

### Battery Information and Care

- Please dispose of your battery properly or take it to your local wireless carrier for recycling.
- The battery does not need to be fully discharged before recharging.
- Use only LG-approved chargers specific to your phone model since they are designed to maximize battery life.
- Do not disassemble or short-circuit the battery.
- Keep the battery's metal contacts clean.
- Replace the battery when it no longer provides acceptable performance. The battery can be recharged several hundred times before replacement.

- Recharge the battery after long periods of non-use to maximize battery life.
- Battery life will vary due to usage patterns and environmental conditions.
- Use of extended backlighting, MiniBrowser, and data connectivity kits affect battery life and talk/standby times.
- The self-protection function of the battery cuts the power of the phone when its operation is in an abnormal state. In this case, remove the battery from the phone, reinstall it, and turn the phone on.

### Explosion, Shock, and Fire Hazards

- Do not put your phone in a place subject to excessive dust and keep the minimum required distance between the power cord and heat sources.
- Unplug the power cord prior to cleaning your phone, and clean the power plug pin when it is dirty.
- When using the power plug, ensure that it is firmly connected. If it is 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.



## Safety

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

### General Notice

- Using a damaged battery or placing a battery in your mouth may cause serious injury.
- Do not place items containing magnetic components such as a credit card, phone card, bank book or subway ticket near your phone. The magnetism of the phone may damage the data stored in the magnetic strip.
- Talking on your phone for a long period of time may reduce call quality due to heat generated during use.
- When the phone is not used for a long period time, store it in a safe place with the power cord unplugged.
- Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference to the phone.
- Do not use the phone if the antenna is damaged. If a damaged antenna contacts skin, it may cause a slight burn. Please contact an LG Authorized Service Center to replace the damaged antenna.
- Do not immerse your phone in water. If this happens, turn it off immediately and remove the battery. If the phone does not work, take it to an LG Authorized Service Center.
- The power cord on this product will expose you to lead, a chemical known to the State of California to cause (cancer) birth defects or other reproductive harm. Wash hands after handling.
- Do not paint your phone.
- The data saved in your phone might be deleted due to careless use, repair of the phone, or upgrade of the software. Please backup your important phone numbers. (Ring tones, text messages, voice messages, pictures, and videos could also be deleted.) The manufacturer is not liable for damage due to the loss of data.
- When you use the phone in public places, set the ring tone to vibration so as not to disturb others.
- Do not turn your phone on or off when putting it in your ear.



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

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

Under the law, the FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit 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.



## Safety

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 don't know with certainty what the results of such studies mean for human health. Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the

studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

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

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop — if they do — may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.



## Safety

### **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 telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects. Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (<http://www.fcc.gov/oet/rfsafety>) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

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

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the Radio Frequency (RF) energy exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, "Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques," sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

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

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



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

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

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

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

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

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

The FDA continues to monitor the use of wireless phones

for possible interactions with other medical devices. Should harmful interference be found to occur, the FDA will conduct testing to assess the interference and work to resolve the problem.

## **12. Where can I find additional information?**

For additional information, please refer to the following resources:

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

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

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

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

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

## **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.



## Safety

3. Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can reach it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voicemail answer it for you.
4. Suspend conversations during hazardous driving conditions or situations. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.
5. Do not take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a "to-do" list while driving a car, you are not watching where you are going. It is common sense. Don't get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip -- dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix; they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations -- with your phone at your side, help is only three numbers away. Dial 911 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!



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

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

### ***Consumer Information on SAR*** **(Specific Absorption Rate)**

This Model Phone Meets the Government's Requirements for Exposure to Radio Waves. Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission 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



## Safety

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

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

The highest SAR value for this model phone when tested for use at the ear is 1.21 W/kg and when worn on the body, as described in this user guide, is 1.28 W/kg (body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

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

information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID BEJVB4700. Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) website at <http://www.wow-com.com>.

\* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

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



### Battery Charger

The battery charger allows you to power your phone.

Input Voltage: 100-240VAC 50-60Hz

Output Voltage: 5.0V, 1000mA



### Battery

Two batteries are available. The standard battery, and the extended battery.



### Vehicle Power Charger

The vehicle power charger allows you to operate the phone and trickle charge the phone's battery from your vehicle. It takes 5 hours to charge a completely discharged battery.



### Hands-Free Car Kit (Portable)

The hands-free car kit enables you to attach the phone to the power jack in your car, providing you with hands-free operation. It can charge a completely discharged battery in 5 hours.



### Headset

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

### NOTE

It operates in vibration/no sound mode on Manner Mode/Silence All Mode even when connected to a headset.



### USB Cable

Connects your phone to your PC.



### Battery Pack Charger

The battery pack charger allows you to charge the battery pack itself without the phone. It can charge a completely discharged standard battery in 3.5 hours.



### Holster



## Warranty Information

### 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 unit and enclosed accessories shall be a period of one (1) year from the date of original purchase. The remaining warranty period for the unit being repaired or replaced shall be determined by presentation of the original sales receipt for the purchase of the unit.
- (2) The limited warranty extends only to the original purchaser of the product and is not assignable or transferable to any subsequent purchaser / end user.
- (3) The limited 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 all Canadian Provinces.
- (4) The external housing and cosmetic parts shall be free of major 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 satisfactory to LG to prove the date of purchase or exchange.

- (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 damage resulting from use of the product in other than its normal and customary manner.
- (2) Defect or damage 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, or spills of food or liquid.
- (3) Breakage or damage to antennas unless caused directly by defects in material or workmanship.
- (4) Alleged defects or malfunctions of the product if the Customer Service Department at LG was not notified by the consumer 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 merchantability or fitness for a particular use.
- (7) Damage resulting from use of non-LG approved accessories.
- (8) All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal customer use.
- (9) Products operated outside published maximum ratings.
- (10) Products used or obtained in a rental program.
- (11) Consumables (such as fuses).

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

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

OUT OF THE USE OF, OR INABILITY TO USE, THIS PRODUCT OR FOR ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY OR MERCHANTABILITY APPLICABLE TO THIS PRODUCT.

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

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

To obtain warranty service, please call the following telephone number from anywhere in the continental United States:

LG Electronics Service

201 James Record Road

Huntsville, AL 35824

Tel. 1-800-793-8896      Email: <http://us.lgservice.com>

Please call or write for the location of the LGE authorized service center nearest you and the procedures for obtaining warranty claims.



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