

6. Operating Manual

LG-RD3470

User Guide

CDMA PHONE

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Chapter 1. Getting Started

Cautions

- Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference.
- Keep your phone in a safe place when not in use.
- Only use the batteries, antennas, and chargers provided by LG. Using the wrong accessories could void your warranty.
- 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 the antenna while the phone is in use.
- Do not use the phone in designated “no cellular phone use” areas.
- Do not expose the phone to high temperature or humidity.
- Avoid getting your phone wet. If the phone gets wet, turn the power off immediately and remove the battery pack. If the phone is mal-functional, return it to the dealer for service.
- Avoid shock or impact on the phone.

Phone Overview

LCD Screen	Displays messages & indicator icons.
Soft Keys (the names of the functions of these keys appear at the bottom of the screen)	Soft Key 1  Used to display the function setting menu. Accepts the highlighted choice when navigating through a menu. Soft Key 2  Used to search phonebook, change text input mode and edit profiles.
CALL Key	Allows user to place or answer calls.
END/PWR Key	Used to turn power on/off and to end a call. Using this key, you can return to the main menu display screen. When you press once, when a call is received, the phone stops ringing or vibrating depending on the mode it is in. Press twice to reject the call.
Alphanumeric Keypad	These keys enable you to enter numbers and characters and choose menu items.
4 Way Navigation Key	This Navigation key allows quick access to  Messages and Voice Mail notification messages.  Ring Tone,  R World,  Profiles.
Clear Key 	Press to delete a single space or character. Press and hold to delete entire words.
Vibrate Mode Key	In standby mode, set the vibrate mode by pressing and holding the key  about 2 seconds.
OK key	Accepts the highlighted choice when navigating through a menu. When pressed in standby mode, it moves to My Menu.

On screen Icons

The phone screen displays several onscreen icons and onscreen icons appears when the phone is power on.

Icons	Descriptions
	Displays the strength of the signal received by the phone and current signal strength is indicated by the number of bars displayed on the screen.
	No service The phone is not receiving a system signal.
	In use. A call is in progress. * No icon indicates the phone is in standby mode.
	Indicates that a Text Message or E-Mail Messges has been received
	In Vibrate mode.
	In General mode.
	In Silent mode.
	In Alarm mode.
	Charge level. Indicates battery charge level.

Chapter 2. Basic Functions

Turning the Phone On and Off

Turning the Phone On

1. Install a charged battery pack or connect the phone to an external power source such as the cigarette lighter adapter or car kit.
2. Press [END/PWR] for a few seconds until the red light on the top of the phone flashes.
 - Fully extend the antenna for the best performance.

<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 display screen will be turned off, and then release the key.
2. Protect the antenna by pushing it back into the phone, if extended.

Making a Call

When you make a call, follow these simple steps:

1. Make sure the phone is turned on.
 - If not, press [END/PWR].
2. Enter the phone number with area code, if needed.
3. Press [SEND].
 - If the phone is locked, enter the lock code.
 - "Call Failed" indicates that the call did not go through.
4. Press [END/PWR] to disconnect the call.

Correcting Dialing Mistakes

If you make mistakes in dialing a number, press [CLR] key once to erase the cursor positioned digit or hold down [CLR] for at least two second to delete all digits, or simply press soft key 2 [BACK] to exit dialing state. And, you can move the cursor by pressing [▲],[▼],[◀],[▶]

Receiving Calls

1. When the phone rings or vibrate (if the Vibrate Mode is enabled), press any key (except [END]) or depending on the Call settings.
 - When you press once, when a call is received, the phone stops ringing or vibrating depending on the mode it is in. Press twice to disconnect.
2. To end an answered call press [END].

In call waiting mode, the present call is on hold as you answer another incoming call. This service is provided by your service provider.

When the call waiting function is activated, your phone will beep to let you know if you have an incoming call.
3. If you are not in the condition to receive call, pressing Soft key 2 will send a Preset SMS to Caller. The SMS can be edited using "Edit SMS on Call Reject" function given under Settings' Call.

Dialing a call from Phone Book

You can place a call from any memory location either by speed dialing or by pressing [SEND] while looking up the memory location.

One-Touch Dialing : One-touch dialing is a convenient feature which enables you to dial frequently used numbers in your speed-dial data by pressing a key .

- Entry 9 is designated to Emergency Call.
- For locations 1 to 8, you can use one-touch dialing (if enabled, see "One-Touch" on page 9.) by pressing and holding down the key corresponding to the memory location.

OR

- Press digit, then press [SEND].

Two-Touch Dialing (Speed Dialing) : This dialing feature enables you to dial numbers in your phone book through two keys (for locations 10 to 99).

- 1) Press the first digit.
- 2) Press and hold the key of the second digit.

OR

- 1) Press the first and second digits, then press [SEND].

Dialing from a Memory List

- 1) From a memory list, press the scroll keys to go to the memory location you want.
- 2) Press [SEND].

Dialing from a Memory Location.

On viewing and checking the memory location to call, press [SEND].

Chapter 3. Menu Features

General Guidelines to MENU Access and Settings

1. Press Soft Key 1 [Menu]. The animation of menu category will appear on the display screen.
2. Press Soft key 1 [Ok]. The menu items will appear on the display screen.
3. Press[] to go through the list of menu features, or use the side keys.
4. Press the corresponding number to the menu item that you want to select. Then the sub-menu list will appear on the screen.
5. Press the appropriate key to select the sub-menu you want to access.
6. Select preferred settings, using the [] keys. Press Soft Key 2 [Back] to go one step backward while accessing menu or selecting settings.
7. Press Soft Key 1 [Ok] to save the settings or Soft Key 2 [Back] to cancel without saving.

Names ([Menu]+[1])

see "Book Feature" on page 10.

Messages ([Menu]+[2])

see "Message Feature" on page 12.

Call History ([Menu]+[3])

Allows you to view list of all Missed/Received/Dialled Calls. (Maximum 60 numbers are possible including Missed, Received and Dialled)

Save the phone numbers taken while talking and can view the list of numbers present in In Call Memo. (Maximum 20 numbers are possible)

Missed ([Menu]+[3]+ [1])

Allows you to view list of all incoming calls and you may place a call by pressing [Send].

Received ([Menu]+[3]+ [2])

Allows you to view list of all received calls and you may place a call by pressing [Send].

Dialled ([Menu]+[3]+ [3])

Allows you to view list of all outgoing calls you made and you may place a call by pressing the

[Send].

In call memo ([Menu]+[3]+ [4])

Allows you to view memo saved in use memo

Call Duration ([Menu]+[3]+ [5])

1. Last call - Displays the time of last call made
2. All calls - Displays the time of all calls made
3. Reset – Allows you to clean duration

Erase History ([Menu]+[3]+ [6])

Allows you to erase call informations(missed, received, dialed, data calls)

Help ([Menu]+[3]+ [7])

Display help about Call History Menu.

Profiles ([Menu]+[4])

Allows you to set vibration, volume and alert types refer to sound.

Vibrate ([Menu]+[4]+ [1])

Select the alert type to vibration

Silent ([Menu]+[4]+ [2])

This menu is the same with General Menu

General ([Menu]+[4]+ [3])

Press Soft Key 1[Option] and LCD will display sub menu. Then select menu you want with [▲] [▼] or [◆] key.

1. Set – Setting profile to General.
2. Rename – Change title of this menu to user define.

Edit (Right soft key)

- (1) Ring Type : Select one out of 6 ring types (Ring, Vibrate, Vib & Ring, Ring after vibrate, Ascending ring, One Beep, Silent and Light) with [▲] [▼] or [◆] key.
- (2) Ring Tone : Select “Get Ringtone” or “My Ringtone”
 - (2.1) Get Ringtone : download the ringtone
 - (2.2) My Ringtone : the ringer sound with [▲] [▼] or [◆] key. The ring sound will notify that you have an incoming call.
- (3) Ringer Volume : Adjust the volume of the ringer using the [◀ ▶] key.
- (4) Earpiece Volume : Adjust the volume of the earpiece using the [◀ ▶] key
- (5) Key Volume - Adjust the volume of the keypad using the [◀ ▶] key
- (6) Message Alert – Alert Type : Select one out of 4 alert types(Vibrate, Lamp, 2beeps, 4beeps)
- Repeated alert : Select one out of 2 repeated option(yes or no)
- (7) Speaker Volume - Adjust the volume of the speaker phone

Outdoor ([Menu] +[4]+[4])

This menu is the same with General Menu

Headset ([Menu]+[4]+[5])

1. Ring Type
2. Ring Tone
3. Ringer Volume
4. Headset Volume
5. Key Volume
6. Message Alert

* Note : From 1 to 6 submenus are same with upper menu.

7. Speaker Volume

8. Auto Answer : Select one out of 3 answer type(Off, After 5 secs and After 10 secs)

Carkit ([Menu]+[4]+[6])

This menu is the same with Headset Menu

Help ([Menu]+[4]+[7])

Display help about Profiles Menu.

Display ([Menu]+ [5])

1. Language ([Menu]+[5]+[1])

You can select one of 2 language(English or Hindi)

2. Service Area ([Menu]+[5]+ [2])

You can see the currently provided serviced area.

3. Clock ([Menu]+[5]+[3])

You can determine that clock display or not in standby and time, date type if clock display.

4. Wallpaper ([Menu]+[5]+[4])

You can set up the screen displayed on the LCD screen in the standby mode.

(Theme, Current Profiles display,Banner)

5. Menu Style ([Menu]+[5]+[5])

Icon : LCD will display animation menu and you can select menu with [◀ ▶] key.

List : LCD will display listed menu and you can select menu with [▲] [▼] or [◆] key.

6. Rhythmic Lighting ([Menu]+[5]+[6])

You can set up the Rhythmic LED Light

7. Backlight ([Menu]+[5]+[7])

Allows you to select how long or when the display screen and keypad are backlit. The backlight is turned off 10 seconds/20 seconds/30 seconds/1min after the last key is pushed.

8. Contrast ([Menu]+[5]+[8])

Allows you to set up LCD display contrast with [◀ ▶] key.

9. Help ([Menu]+[5]+[9])

Display about Setting Menu

Settings ([Menu]+[6])

Allows you to set Menu, Sound, Display, Call, Phone and Security. Select menu with [▲] [▼] or [◆] key.

My Menu ([Menu]+ [6]+[1])

LCD will display top Menu list. You can add one of these to my menu and also remove registered menu from my menu.

1. Add : My menu is possible up to 10 pieces.
2. Remove : Allow you to remove registered menu from my menu.

Call ([Menu]+ [6]+[2])

1. Call Forward ([Menu]+[6]+[2]+[1])

LCD will display follow sub menu list

- 1 Immediate : Enable / Disable
- 2 When Busy : Enable / Disable
- 3 No Reply / Not Reachable : Enable / Disable
- 4 Disable All : Yes / No

2. Call Waiting ([Menu]+[6]+[2]+[2])

Set Call Waiting options Enable / Disable

3. Any key answer ([Menu]+[6]+[2]+[3])

If Incoming call, enabled to call pressing any key.

4. Auto redial ([Menu]+[6]+[2]+[4])

Set the length of time the phone waits before automatically redialing a number when the attempted call fails.

- off / every 60 seconds / every 30 seconds / every 10 seconds

5. Voice privacy ([Menu]+[6]+[2]+[5])

Set the voice privacy feature for CDMA calls as "Standard" or "Enhanced": CDMA offers inherent voice privacy. Check with your service provider for availability of the enhanced voice privacy mode

6. Clear voice ([Menu]+[6]+[2]+[6])

When this menu option is active, phone remove noise of environment.

7. Call timer ([Menu]+[6]+[2]+[7])

When this menu option is inactive, LCD will not display call timer in call mode.

8. Call Connect Alert ([Menu]+[6]+[2]+[8])

When this menu selected option ON and some times later phone connected call, that time phone beep the alert sound.

9. Edit SMS On Call Reject([Menu]+[6]+[2]+[9])

0. Int'l Call Prefix ([Menu]+[6]+[2]+[0])

***. help ([Menu]+[6]+[2]+[*])**

Display help about Call menu

Phone ([Menu]+ [6]+[3])

1. Key guard ([Menu]+[6]+[3]+[1])

When this option is enabled, no key press acceptable except 0 key.

2. Airplane Mode ([Menu]+[6]+[3]+[2])

3. Set NAM ([Menu]+[6]+[3]+[3])

Select the phone' s NAM (Number Assignment Module) if the phone is registered with multiple service provides

4. Service Alert ([Menu]+[6]+[3]+[4])

5. Version ([Menu]+[6]+[3]+[5])

LCD will display about SW version and PRL information.

6. Help ([Menu]+[6]+[3]+[6])

Display help about Phone Menu.

Security ([Menu]+ [6]+[4])

1. PIN Code Request

Enable or Disable request of PIN code of R-UIM on boot time.

2. Lock mode ([Menu]+[6]+[4]+[1])

Helps you to protect your phone from unauthorized use and once the phone is locked, the phone is restricted from making calls until the lock code is entered.

However you can still receive phone calls and make emergency calls while your phone is locked. "Never" means that the phone is never locked (Lock mode can be used). When locked, you can only make emergency calls or receive incoming calls. "On power up" means that locked the phone when the phone is turned on. "Always" means that the phone is always locked.

3. Emergency numbers ([Menu]+[6]+[4]+[2])

To enter 3 emergency numbers ([Edit] → enter → number → [Save] → [◆] →). You can call these numbers and 911 even when the phone is locked or restricted.

4. Change code ([Menu]+[6]+[4]+[3])

3.1 Lock code : New Lock Code allows you to enter a new four-digit lock code number. For confirmation, it will ask you to enter the new lock code twice. This is the same number as the pin code.

3.2 PIN Code : Change PIN Code

5. Reset ([Menu]+[6]+[4]+[4])

Initialize all information saved in the phone.

1. Clear All Names : Deletes all information saved in the memory location (Entry 9 is designated to Emergency Call). Be careful since any deleted information is not recoverable.
2. Reset Settings : Set all default values of NVDB, NV items.
3. Reset Phone : 1,2 and total download contents are deleted.

3. Help ([Menu]+[6]+[4]+[6])

Display help about Security Menu.

Organiser ([Menu]+[7])

Scheduler ([Menu]+[7]+[1])

To Do ([Menu]+[7]+[2])

Memo ([Menu]+[7]+[3])

Reserved Call ([Menu]+[7]+[4])

Alarm ([Menu]+[7]+[5])

Stopwatch ([Menu]+[7]+[6])

Calculator ([Menu]+[7]+[7])

Unit Coverter ([Menu]+[7]+[8])

World Clock ([Menu]+[7]+[9])

Help ([Menu]+[7]+[0])

R World ([Menu]+[8])

R-Menu ([Menu]+[8]+[1])

Games ([Menu]+[8]+[2])

Help ([Menu]+[8]+[3])

Chapter 4. Book Features

Names ([Menu]+[1])

Add name ([Menu]+[1]+[1])

1. Press Soft Key 1 [Menu]
2. Press [1]
3. Enter the phone number you want to add.
4. Select number's destination (UIM, Home, Office, Mobile and Other)
5. Enter name
6. Press Soft Key 1 [Save]

Find ([Menu]+[1]+[2])

1. Press Soft Key 1 [Menu]
2. Press [2]
3. Enter the name you want to find.
4. You can go another find menu using Soft Key 1 [Option]
5. In Find number, Enter the number you want to find.
6. In Find Group, You can select group with [◆] key.
- 7.

Groups ([Menu]+[1]+[3])

In this menu, you can view group members, and set ring tone, edit group's title.

1. Press Soft Key 1 [Menu]
2. Press [3]
3. Select group you want with [◆] key.
4. Press Soft Key 1 [Option].
5. You can go sub menu(view members, set ring tones, edit title)
6. In View members menu, LCD will display all members belong to selected group. And you can add or erase name in this status.
7. In Set Ring Tones menu, you can select ring tone with [◆] key.
8. In Edit title menu, you can enter different group name.

Speed dial ([Menu]+[1]+[4])

1. Press Soft Key 1 [Menu]
2. Press [4]
3. LCD will display all speed dial address, and you can select a address with [◆] key.
3. If a address you selected is empty, you can select one of 3 option(Assign,Next empty and Remove all) with Soft Key 1 [Option].
4. In Assign menu, you can add name in speed dial
5. In Next empty menu, you can go next empty address
6. In Remove all menu, you can erase all address assigned in speed dial.
7. If a address you selected is assigned, you can select one of 4 option(Assign, Next empty, Remove and Remove all) with Soft Key 1 [Option].
8. In Assign menu, you can replace another name saved in phonebook data.
9. In Remove menu, you can erase name selected.
10. In Remove all menu, you can erase all address assigned in speed dial.

Help ([Menu]+[1]+ [5])

Display help about Names Menu.

Chapter 5. Message Features

Text message, page and voice mailbox become available as soon as the power is on. You can access the above types of messages using the message key ([▲]). In addition, you can make a call to the call back number by pressing the [Send] during a message check.

The phone can store up to 31 messages (Voice message : 1, Text messages 30) with 160 characters per message. However, you should check whether your carrier provides the above features.

The information that is stored on the message is determined by phone mode and service capability. You can check types of messages by pressing the message key ([▲]).

Message Service

This service supports reception of the text message, alerting, and the voice mailbox. It is possible to access the above functions with the text message key .

It is possible to store up to total 31(new+old+voice) messages. It is recommended to check the number of character receivable because the capacity depends on the system service provider.

<Type of Menu>

- Write : Menu to send message.
 - Inbox : Menu to check a new incoming, stored text message
 - 1234 Services : Exciting SMS-based infotainment services.
 - Outbox : Menu to check the message user have sent and was saved.
 - Voice Mail : Menu to check the number of voice messages in the voice mailbox
 - Archive : Saved message in Inbox
 - Drafts : Saved message in Write message
 - Templates : Predefined Messages by user.
 - Msg Groups : Msg Groups consists of 5 SMS/E-mail Group.
 - Erase Msgs : Menu to erase all the stored messages
 - Msg Settings : Menu to set the SMS priority or Delivery ack and so on.
 - Help
- Move the cursor with the upside and downside keys [◆], and press Soft Key1 [Select] for the menu requested. Press Soft Key 2 [Back] to return to the initial image on the terminal.

1. Write Message ([▲]+[1])

- A. Press [Select]
- B. Enter Message Menu and Press [Option]
- C. Select [Send]

- Send : send msg
 - Save : save to Draft
 - Insert Temp : save to templates
- D. Enter Phone Number. If you want to send to number saved in book, press[Find]

2. Inbox ([^]+[2])

- A. Press [Select]
- B. Press [Option]
- C. Select [View]
 - View : view received msg
 - Erase : erase received msg
 - Reply : send msg to #CB

3. 1234 Services ([^]+[3])

- 1. News
- 2. Cricket
- 3. Joke of the Day
- 4. Thought of the Day
- 5. Contest
- 6. Beauty Tips
- 7. Health
- 8. Horoscope
- 9. Bill Info
- 10. Unbilled Info
- 11. Help

4. Outbox ([^]+[4])

- A. Press [Select]
- B. Press [Option]
- C. Select [View]
 - View : view sent msg
 - Erase : erase sent msg
 - Forward : send msg to another phone number

5. Voice Mail ([^]+[5])

- 1) Press [Select]
- 2) Press [Option]
- 3) Select [Listen]
 - Listen : listen voice mail

- Erase : erase received voice mail

6. Archive ([^]+[6])

- 1) Press [Select]
- 2) Press [Option]
- 3) Select [View]
 - View : view msg
 - Forward : send msg to another phone number
 - Erase : erase msg

7. Drafts([^]+[7])

- 1) Press [Select]
- 2) Press [Option]
- 3) Select [View]
 - View : view msg
 - Erase : erase msg
- 4) From this state the same with Write message

8. Templates ([^]+[8])

- 1) Press [Select]
- 2) Press [Option]
- 3) Select [View]
 - View : view template
 - Erase : erase template
 - Add : Add template
- 4) Add string
- 5) From this state the same with Write Message

9. SMS Groups ([^]+[9])

- 1) Press [Select]
- 2) Press [Add]
- 3) Select Phonebook entry in phonebook find menu.
- 4) Press [Send]
- 5) From this state the same with Write Message.

10. Erase Msgs ([^]+[0])

- 1) Press [Select]
- 2) Press [Select]
This menu will erase Inbox, Outbox, Archive, Draft and All messages

3) Select [Yes] if you want to erase

11.Msg Settings ([^]+[*])

- 1) Press [Select]
- 2) Choose menu item, Press [Select]
 - Priority : You can select Priority (Normal/Urgent)
 - Delivery ack : You can select Delivery ack (On / Off)
 - Deferred delivery : You can select Deferred delivery (Immediate, After 30 Min etc)
 - Validity period : You can select Validity period. (Default, 30 Min etc)
 - Save sent message : You can select repeat alert (Yes / No)
 - Auto delete inbox : You can select repeat alert (Yes / No)

10. Help ([^]+[#])

Display help about Messages Menu.

<SMS SERVICE PROGRAM>

####->[6. SMS MO]

Select <SMS MO >

1. SO : Select 8K or 13K
2. L3ACK : Select ON/OFF

Chapter 6. Functions used during a call

Scratch pad(During a call : [MENU]+[1])

You can save memo during a call and this data is saved at call history

Mute / Unmute (During a call : [MENU]+[2])

- Sometimes it is necessary to mute a call so that caller does not hear you or certain background noise. To use this function during a call, Press Soft Key 1 [Menu] and [1].
- If you need to release mute press the Soft Key 1 [Menu] and [1] key again.

Volume Settings (During a call : [MENU]+[3])

You may adjust the earpiece volume during a call.

Voice Privacy (During a call : [MENU]+[4])

Set the voice privacy feature for CDMA calls as “Enhanced” or “Standard” :

CDMA offers inherent voice privacy. Check with your service provider for availability of the enhanced voice privacy mode.

Chapter 7. Accessories

There are a variety of accessories available for the phone. You can select these options according to your personal communication requirements. Consult your local dealer for availability.

Travel Charger

This charger, model TC-10W, allows you to charge the battery pack. It supports standard U.S. 120Volt 60Hz outlets. While an orange light indicates that it is charging, a green light indicates charging is complete. It takes 5 hours to charge a completely discharged battery.

Battery (LGLi-AAEM)

Standard battery are available.

Desktop Charger

The desktop charger, model DC-41W, allows you to place the phone for charging the stand. It can charge a completely discharged battery in 3 hours.

Cigar Lighter Charger

You can operate the phone and trickle charge the phone's battery from your vehicle by using the cigarette lighter charger, model CLC-11W. It takes 5 hours to charge a completely discharged battery.

Hands-Free Car Kit (Portable)

The hands-free car kit, model PHF-30W, enables you to attach the phone to the car providing you with hands-free operation. It will also charge a completely discharged battery in 5 hours.

Hands-Free Car kit(Install)

The installed hands-free car kit model IHF-51W is permanently installed in your car, and provides you with hands-free operation. It will also charge a completely discharged battery is shows.

Data Cable Kit

Connects your phone to your PC.(Model KW-a)

Headset

Connects to your phone, allowing hands free operation. Includes earpiece, microphone and mute key.

(Model Headset 1000)

Hand strap

AC Adaptor

Appendix 1. RF Exposure Statement

WARNING! Read this information before operating the phone.

In August 1996, the Federal Communications (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.

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 skin, a minor burn may result. Contact your local dealer for a replacement of antenna.

Body Worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 1.5 cm from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 1.5 cm must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. The use of belt-clips, holsters, and similar accessories should not containing metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

Appendix 2. Consumer Information on SAR (Specific Absorption Rate)

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

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

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

The highest SAR value for this model phone when tested for use at the ear is 1.13 W/kg and when worn on the body, as described in this user guide, is 0.888 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 BEJRD3470.