



# GR500R User Guide

ENGLISH

Bluetooth QD ID B014683

# LIMITED WARRANTY STATEMENT

## 1. WHAT THIS WARRANTY COVERS:

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

1. The limited warranty for the product extends for ONE (1) year beginning on the date of purchase of the product by the original end user.
2. The limited warranty extends only to the original end user of the product and is not assignable or transferable to any subsequent purchaser/end user.
3. This warranty is good only to the original end user of the product during the warranty period as long as it is in Canada.
4. Upon request from LG, the consumer must provide information to reasonably prove the date of purchase.
5. During the applicable warranty period, LG will repair or replace at LG's sole option, without charge to the original end user, any defective component part of the phone or accessory.
6. LG may use rebuilt, reconditioned or new parts or components when repairing any product or replace a product with a rebuilt, reconditioned or new product.

## 2. WHAT THIS WARRANTY DOES NOT COVER:

1. Defects or damages resulting from use of the product in other than its normal and customary manner.
2. Defects or damages from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation or other acts which are not the fault of LG, including damage caused by spills of food or liquids.
3. Breakage or damage to antennas unless caused directly by defects in material or workmanship.
4. The fact that the Customer Service Department at LG was not notified by the original end user of the alleged defect or malfunction of the product, during the warranty period.
5. Products which have had their serial numbers removed or made illegible.
6. Damage resulting from use of non-LG approved accessories.
7. All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal customer use.

8. Products serviced by non-authorized persons or companies.

**Notes:**

1. This limited warranty supersedes all other warranties, expressed or implied either in fact or by operations of law, statutory or otherwise, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose.
2. Shipping damage is the sole responsibility of the shipping company.

**3. EXCLUSION OF LIABILITY:**

No other express warranty is applicable to this product.

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

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

To obtain warranty service, please call the following telephone number from anywhere in Canada:

**LG Electronics Canada, Inc.**

**Tel. 1-888-542-2623**

**[www.lg.ca](http://www.lg.ca) (see links to "Wireless Phone Service")**



**LG Electronics Canada Inc.**

**Mississauga, Ontario**



Some of the contents in this manual may differ from your phone depending on the software of the phone or your service provider.



## **GR500R** User Guide

# Contents

|  |           |                                  |           |
|--|-----------|----------------------------------|-----------|
| <b>Your Phone</b> .....                      | <b>4</b>  | Speed Dial Lists .....           | 28        |
| Phone Components .....                       | 4         | Contact Management.....          | 29        |
| Slide Open View .....                        | 5         | Service Dial Numbers.....        | 30        |
| Rear View .....                              | 6         | My Numbers.....                  | 30        |
| <b>Getting Started</b> .....                 | <b>7</b>  | <b>In-Call Menu</b> .....        | <b>31</b> |
| Installing the SIM Card and<br>Battery ..... | 7         | During a Call.....               | 31        |
| Installing a Memory Card .....               | 10        | Conference Calls .....           | 33        |
| <b>Touch Calibration</b> .....               | <b>12</b> | <b>Your Standby Screen</b> ..... | <b>35</b> |
| <b>Start Up Guide</b> .....                  | <b>13</b> | <b>Menu Tree</b> .....           | <b>42</b> |
| <b>General Functions</b> .....               | <b>14</b> | <b>Messaging</b> .....           | <b>43</b> |
| Making a Call.....                           | 14        | New Message.....                 | 43        |
| Adjusting the Volume .....                   | 16        | Inbox .....                      | 48        |
| Answering a Call .....                       | 17        | MobileMail .....                 | 49        |
| Adjusting the Volume .....                   | 17        | Rogers IM.....                   | 50        |
| Setting Profiles .....                       | 18        | Drafts .....                     | 56        |
| Entering Text .....                          | 20        | Outbox .....                     | 56        |
| Qwerty Keypad .....                          | 23        | Sent .....                       | 58        |
| <b>Contacts</b> .....                        | <b>26</b> | Call Voicemail.....              | 58        |
| Contact List.....                            | 26        | Message Settings .....           | 58        |
| New Contact.....                             | 27        | Friends.....                     | 61        |
| Caller Groups.....                           | 28        | <b>urMusic</b> .....             | <b>62</b> |

|                            |    |                                |     |
|----------------------------|----|--------------------------------|-----|
| <b>Internet</b> .....      | 63 | Touch .....                    | 99  |
| <b>Games</b> .....         | 66 | Phone.....                     | 99  |
| <b>Applications</b> .....  | 67 | Bluetooth® .....               | 103 |
| Get New Applications ..... | 67 | More.....                      | 107 |
| <b>Multimedia</b> .....    | 68 | <b>Accessories</b> .....       | 115 |
| Camera .....               | 68 | <b>For Your Safety</b> .....   | 116 |
| Video.....                 | 73 | <b>Safety Guidelines</b> ..... | 123 |
| Pictures.....              | 73 | <b>Trouble Shooting</b> .....  | 146 |
| <b>Music Player</b> .....  | 74 |                                |     |
| Music Player.....          | 74 |                                |     |
| <b>Organizer</b> .....     | 82 |                                |     |
| Audio & Ring Tunes.....    | 82 |                                |     |
| Calendar.....              | 82 |                                |     |
| Alarm Clock .....          | 83 |                                |     |
| Calculator .....           | 84 |                                |     |
| Tools.....                 | 84 |                                |     |
| <b>Settings</b> .....      | 92 |                                |     |
| Call .....                 | 92 |                                |     |
| Date & Time .....          | 96 |                                |     |
| Audio & Ring Tunes.....    | 96 |                                |     |
| Display.....               | 98 |                                |     |

# Your Phone

## Phone Components

### Charger/USB Port

### Earpiece

Let you hear the caller and automated prompts.

### Main LCD

### Multi-tasking key

### SEND key

Press this key in standby mode to quickly access the most recent, missed, dialed and received calls.

### END / Power

Ends or rejects a call. Turns the phone on/off. Press once to return to the standby screen.

### microSD™ memory card socket

### Lock / Unlock key

### Camera key

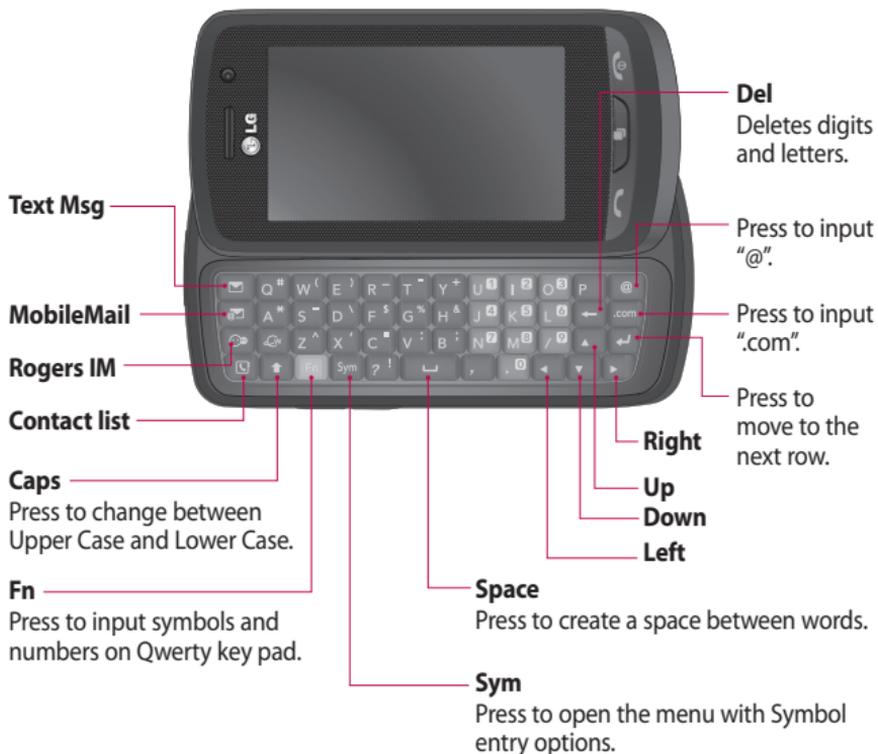
Press to start the Camera function. Press and hold to start the Video record function.

### Side volume keys

- When on the Standby screen: Allows you to set the Ringtone and Touchtone volume. Hold the Down key to toggle the Vibration Mode On and Off.
- During a call: Allows you to change the Earpiece volume.
- When playing background music: Allows you to change the music volume.

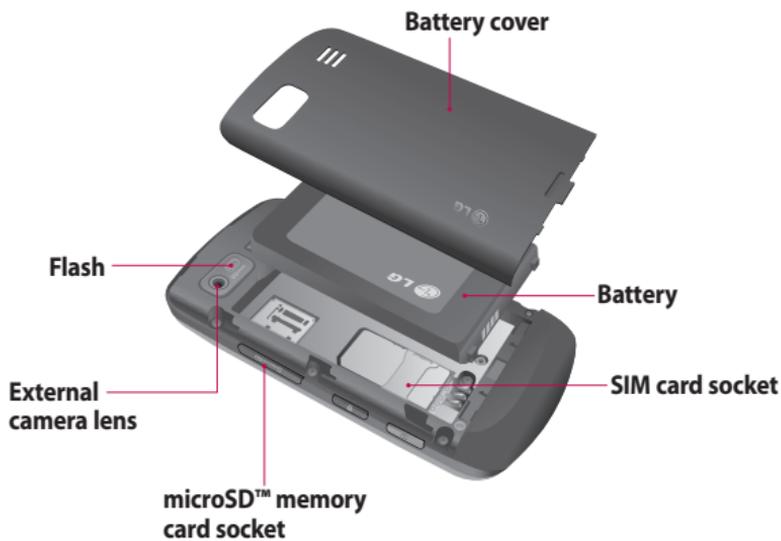


## Slide Open View



# Your Phone

## Rear View



# Getting Started

## Installing the SIM Card and Battery

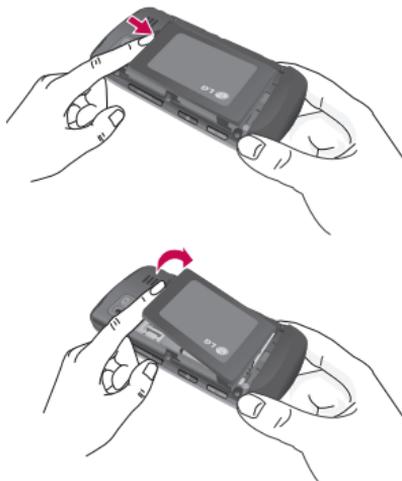
### 1 Remove the battery cover

Press the battery cover release latch. The battery cover should lift off easily.



### 2 Remove the battery

Lever the bottom edge of the battery and remove it carefully from the battery compartment.



**⚠ WARNING:** Do not remove the battery when the phone is switched on, as this may damage the phone.

# Getting Started

## 3 Install the SIM card

Slide the SIM card into the SIM card holder. Make sure that the gold contact area on the card is facing downward. To remove the SIM card, pull it gently in the opposite direction.



## 4 Install the battery

Insert the top of the battery first into the top edge of the battery compartment. Ensure that the battery contacts align with the terminals on the phone. Press the bottom of the battery down until it clips into place.



## 5 Charging your phone

Lift the charger port cover on the top side of your GR500R. Insert the charger connector to the phone ('B' side of the connector has to be facing up when connecting to the phone) and then plug into the wall socket. Your GR500R will need to be charged until a message reading "Battery full. Please unplug charger to save energy." appears on the screen.

**Important!** You should insert the battery before charging.



**WARNING:** Use of unauthorized accessories could damage your phone and void your warranty.

# Getting Started

## Installing a Memory Card

You can expand the memory available on your phone by using a microSD™ memory card. The GR500R will support up to a 16 GB microSD™ memory card.

**TIP!** A memory card is an optional accessory.

- 1 Lift the memory card cover and insert a microSD™ card with the gold contact area facing downwards. Close the memory card cover so that it clicks shut.



**Note:** If your memory card has existing content it will automatically be filed in the correct folder. For example, videos will be accessible from the Videos folder. If your memory card has protected content (i.e. content such as songs or graphics with Digital Rights Management copywriting loaded from another device), it will not work. You will need to reformat the memory card prior to using it with this device.

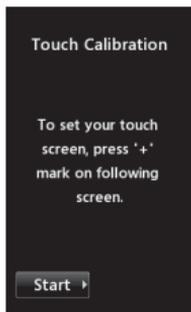
## On-Screen Icons

The table below describes various display indicators or icons that appear on the phone's display screen.

| ICON  | DESCRIPTION   |
|---|---|
|    | Multitasking  |
|    | Network signal strength<br>(number of bars will vary) |
|    | No network signal                                     |
|    | Battery empty   |
|    | New text message                                      |
|    | New email   |
|    | An alarm is set                                       |
|    | Normal profile in use                                 |
|    | Silent profile in use                                 |
|    | 3G available  |
|    | Bluetooth® is active                                  |
|    | The browser is active                                 |
|    | Vibration mode  |
|    | Speakerphone  |
|    | Call in Progress                                      |
|    | Voicemail   |
|   | Battery Full  |
|  | Battery Charging                                      |
|  | Flight Mode   |

# Touch Calibration

Set your touch screen for ease of use. Touch  and press the '+' markers to calibrate the screen.

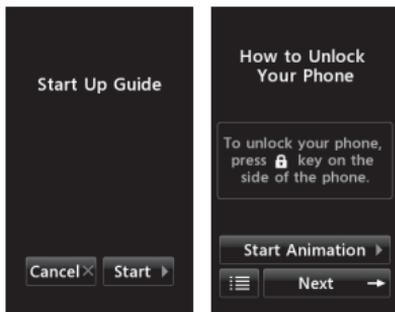


- Once you've finished calibrating your screen, Save the settings.

**Note:** To reset the touch calibration, touch , and the  tab. Touch , and choose **Touch Calibration**.

# Start Up Guide

After you install SIM card and battery, and turn on the GR500R, you will see Start Up Guide on the screen.



Touch Start **Start** to begin the Start Up Guide feature. Touch **Start Animation** to play the animated Guide for that subject. Or, touch **Next** to move on to the next Guide. Available Guides include:

- How to Unlock Your Phone
- How to Open Menu and Select Item
- How to Scroll
- How to Navigate Between Items
- How to Rotate Screen Orientation
- How to Open Keypad and Enter Text
- How to Change Home Screen
- How to Add Shortcuts on Home Screen
- How to Add Contacts on Home Screen

# General Functions

## Making a Call

- 1 Make sure your phone is powered on.
- 2 Touch  and enter a phone number using the touch pad or slide open the qwerty pad and enter a phone number using the qwerty keys. To edit a number on the display screen, simply press the  key to erase one digit at a time.
  - Press and hold the  key to erase the entire number.
- 3 Press the  [SEND] key to call the number. Or touch  on the touch pad.

## Making a Call with the Send Key

- 1 Press the  [SEND] key, and the most recent missed, dialed and received phone numbers will be displayed.
- 2 Select the desired number.
- 3 Press the  [SEND] key or touch .

## Making International Calls

- 1 When entering a phone number, press the  key and the international access character '+' will appear. When using the touch pad to dial, touch and hold .
- 2 Enter the country code, area code and the phone number.
- 3 Press the  [SEND] key to call the number. Or touch  on the pad.

## Ending a Call

When you have finished a call, press the  [END] key.

## Making a Call from the Contacts

You can store frequently called names and phone numbers in the SIM card as well as in the phone memory known as the Contacts.

You can dial a number by simply selecting a name in the contacts and pressing the  [SEND] key.

## Making a Video Call

You can make a video call in a 3G-covered service area if the user you are calling also has a 3G video phone in a 3G-covered service area. You can also receive video calls.

To make a video call, do the following.

- 1 Enter the phone number, as before.
- 2 To start the video function, touch  and choose **Make Video Call**. You will be notified that you will need to close other applications to make the video call.
- 3 Adjust the camera position if necessary.
- 4 If you do not want to use the speakerphone, ensure you have the headset plugged in.
- 5 Press  to finish the call, or close the handset.

# Getting Started

**Note:** The video call may take some time to connect. Please be patient. While the video call is connecting, you will see your own image; after the other party has answered, their image will be displayed on the screen.

## Changing your video call settings

- 1 Press , select Settings and choose **Call**.
- 2 Select **Video call**.
- 3 Choose the settings of your video calling. Determine whether to Use Substitute Image and select one, switch on the Mirror (so you can see yourself on screen).

## Making a video call from Contacts

It is easy to call anyone whose number you have stored in your Contacts.

Press the down navigation key to access the contacts list. Scroll to your chosen contact. Press the right soft key Options and select **Make Video call**. Press the  key to finish the call.

## Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the side volume keys of the phone.

In idle mode, you can adjust the ring volume using the side volume keys.

## Answering a Call

When you receive a call, the phone rings and the phone icon appears on the screen. If the caller can be identified, the caller's phone number (or name if stored in your Address Book) is displayed.

- 1 Press the  [SEND] or unlock the screen and touch

 .

If Any Key has been set as the Answer Mode, any key press will answer a call except for the  [END] key, ,  and .

- 2 End the call by pressing the  [END] key.

**Note:** You can answer a call while using the Address Book or other menu features.

## Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the side volume keys of the phone.

In the Standby screen, you can adjust the ring volume using the side volume keys.



# Getting Started

## Setting Profiles

Press either of the side volume keys. You can set your Ringtone to Vibrate All, Alarm Only or Silent All.

You can also adjust the touchtone sound and vibration volume from the Touchtone tab.

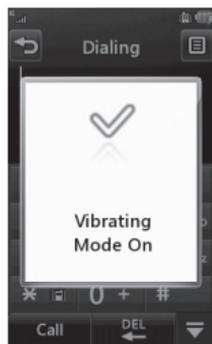


## Vibration Mode (Quick)

Vibration Mode can be activated by touching and holding **\*#** from the dial pad. You can also set Vibration Mode by pressing and holding down side volume key as well.



The phone will display 'Vibrating Mode On'. If you would like to turn Vibration mode Off, touch and hold **\*#** again.



## Signal Strength

If you are inside a building, being near a window may give you better reception. You can see the strength of your signal by the signal indicator on your phone's display screen.

# Getting Started

## Entering Text

You can enter alphanumeric characters by using the phone's touch pad. For example, storing names in the Address Book, writing a message or scheduling events in the calendar all require text to be entered.

The following text input modes are available on the phone.

### Using the Symbol Mode

The Symbol Mode enables you to enter various symbols or special characters. To enter a symbol, touch . Then select the desired symbol.

## ABC Mode

This mode allows you to enter letters by touching the key labeled with the required letter once, twice, three or four times until the letter is displayed.

### 123 Mode (Numbers Mode)

Type numbers using one keytouch per number. To change to 123 mode in a text entry field, touch .

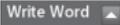
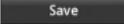
### Changing the Text Input Mode

You can change the text input mode by touching pressing the Text Input Mode toggle button  on the touch screen.

## Using the T9 Mode

The T9 predictive text input mode allows you to enter words easily with a minimum number of key presses. As you touch each key, the phone begins to display the characters that it thinks you are typing based on a built-in dictionary. As new letters are added, the word changes to reflect the most likely candidate from the dictionary.

- 1 When you are in the T9 predictive text input mode, begin entering a word by pressing the touch screen keys  to . Press one key per letter.

- The word changes as letters are typed - ignore what is displayed on the screen until the word is typed completely.
  - If the word is still incorrect after typing completely, press  on the pop up menu to see the options. Then select the word you want by touch.
  - If the desired word is missing from the word choices list, add it by pressing  and selecting  to enter the new word. Then press  to save the word into the built-in dictionary.
- 2 Enter the whole word before editing or deleting any letters.
  - 3 Complete each word with a space by touching .

# Getting Started

To delete letters, touch . Touch and hold down  to erase the entire text entry.

Note: Pressing the  [END] key will save your unsaved message in the Drafts folder.

## Using the ABC Mode

Use the touch pad keys to enter your text.

- 1 Touch the touch key labeled with the required letter:
  - Once for the first letter
  - Twice for the second letter
  - And so on
- 2 To insert a space, touch . To delete letters, touch . Touch and hold down  to erase the entire text entry.

**Note:** Refer to the table below for more information on the characters available using the keys.

Touch  to input a Upper Case letter. To change text entry mode from Lower Case to Upper Case, touch  twice and the key will turn to orange color  - indicating that Caps Lock has been activated.

| Key | Characters in the Order Display |                              |
|-----|---------------------------------|------------------------------|
|     | Upper Case                      | Lower Case                   |
| 1   | ., '@?!-:/ 1                    | ., '@?!-:/ 1                 |
| 2   | A B C 2                         | a b c 2                      |
| 3   | D E F 3                         | d e f 3                      |
| 4   | G H I 4                         | g h i 4                      |
| 5   | J K L 5                         | j k l 5                      |
| 6   | M N O 6                         | m n o 6                      |
| 7   | P Q R S 7                       | p q r s 7                    |
| 8   | T U V 8                         | t u v 8                      |
| 9   | W X Y Z 9                       | w x y z 9                    |
| 0   | Space Key,<br>0 (Long press)    | Space Key,<br>0 (Long press) |

## Using the 123 (Numbers) Mode

The 123 Mode enables you to enter numbers in a text message (a telephone number, for example) more quickly. Touch the keys corresponding to the required digits before manually switching back to the appropriate text entry mode.

## T9 Dictionary

The T9 Dictionary is a feature that allows the user to add any unique or personal words to the T9 standard language database. The T9 Dictionary function can be selected from the Text Entry Settings by using Options (☰). Within the T9 Dictionary function, the user can add, modify, delete or reset personal words.

**Note:** You can select a different T9 language from the same Options menu. The default setting on the phone is the T9 disabled mode.

## Qwerty Keypad

### Text input mode using the Qwerty Keypad

When you are required to enter text, for example when writing a message, the keypad will default to ABC mode. If you are entering a number, for example when making a call, the keypad number keys will default to numbers. In ABC mode you can enter numbers by first pressing **Fn** and then the number you require.



**Note:** Some fields may allow only one text input mode (e.g. telephone number in Address Book fields).

# Getting Started

To input a symbol in the text entry field, press the **Sym** key and select a symbol from touch screen. Or to enter a symbol from the qwerty keys, just press **Fn** and then press the corresponding key. To return to ABC mode, press **Fn** again.

Complete each word with a space by pressing **Space**. To delete a character, press **Del** key.

## Using the Korean Mode

Allows you to type in Korean when you set the language to Korean.

## When you use Touch Keypad

Allows you easily input the letters.

To input **ㅎ**, touch **ㅎ** and touch **획추가**.

To input **ㅏ**, touch **ㅏ** and touch **쌍자음**.



## When you use Qwerty Keypad

Open the slide and touch .  
Choose Text Entry Settings and Show Key Guide. You can see the Korean key guide on the monitor. To input numbers, touch .



Touch  once, and you can see the Korean key guide as below. To return its normal input mode, touch  again.



# Contacts

From standby screen, touch  and touch . You will see following Address Book's submenus.

## Contact List

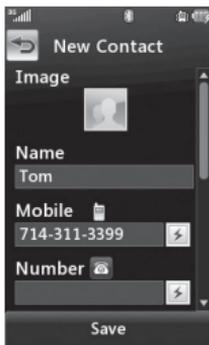
This menu allows you to save and manage contact address information. The Contact List's functions allow you to add a new address or search saved contact addresses by name. To search a contact, touch  and input the contact person's name. From the standby screen, you can directly search for a contact by touching  and .

- : Search a contact.
- : Shows your contacts by first letter/character.
- : Shows your contacts designated as Favorites.



## New Contact

This menu allows you to add a new contact address. You can enter contact address information, including: name, phone numbers, email addresses, group information, Image, ringtone and a memo.



- 1 From the standby screen, Touch  and touch .
- 2 Touch  to set a Picture ID for a contact by using a saved picture from Pictures or taking a new picture of the contact person. Choose from **No picture**, **Pictures** or **Take New Picture**. After you take a new picture of the contact person, touch  set as the Contact Picture ID. To delete the picture, touch , select **Yes**, and take a new picture.

# Contacts

- Enter the First name, last name or both.
  - Enter up to five different numbers. Touch  and you can set that number as Speed Dial.
  - Enter an email address.
  - Select a Group for the contact.
  - Set the ringtone for the contact or leave it as default ringtone.
  - Add Memo if necessary.
  - Choose whether to save the contact to Phone or SIM Card memory.
- 3** Touch  to save the contact.

## Caller Groups

This menu allows you to manage group information. By default, there are 4 groups: Colleague, Family, Friends and School. Or you can put a contact in No Group. You can also configure a ring tone for a group so that the group ring tone sounds when a call from a specific contact address within that group is received and there is no ring tone configured for the specific contact address.

## Speed Dial Lists

You can assign a frequently-called contact to a speed dial list. You can select a number from 2 to 9 as a speed dial. You can configure speed dial numbers for any of the 8 numbers for a specific contact address.

- Your Voicemail is already set to speed dial 1. This is a default setting and can not be changed. Touch the number you wish to assign a speed dial contact, then touch .



- This will open your address book. Touch the contact you would like to assign to that number twice.

- To call an assigned speed dial number, touch  from the Standby Screen. Then touch and hold the assigned number; the call will be placed to the assigned number automatically.

## Contact Management

This menu allows you to copy information from your SIM card, e.g. name, handset number, etc. to your handset. If a name is duplicated during the copying operation, the information is also duplicated.

You can also copy entries from the SIM card to the phone memory and entries from the handset memory to the SIM card (not all the data will be copied).

From this menu, you are also able to delete entries in the SIM card and the Handset.

# Contacts

## Service Dial Numbers

You can view the list of Service Dial Number (SDN) assigned by your network provider. Such numbers could include the emergency services, directory assistance and voice mail numbers.

You may see the names of the available services. Select a service dial number and press the  [SEND] key.

Please check with your network service provider for details of this service.

## My Numbers

This displays your own phone numbers stored in your phone/SIM card. You can send this via Text Message, Multimedia Message and Bluetooth.

# In-Call Menu

Your phone provides a number of control functions that you can use during a call. To access these functions during a call, touch  to unlock the screen and then touch .

## During a Call

The menu displayed on the handset screen during a call is different from the default main menu displayed when in the Standby screen, and these options are described below.

## Making a Second Call

You can select a number you wish to dial, to make a second call.

- 1 Unlock the Screen. During a call, an In-Call menu will available.
- 2 Press , enter the 2nd phone number and press .

or

Press  to select a contact from your Address Book and then press the Call button . When the second call is connected, the first call is automatically placed on hold.

## Swapping Between Two Calls

By using one of the two methods below, you can switch between two on-going calls.

- 1 Press  [SEND] key.
- 2 Touch  and select "Swap Calls".

# In-Call Menu

## Answering an Incoming Call

To answer an incoming call when the handset is ringing, simply press the  [SEND] key or touch . The handset is also able to warn you of an incoming call while you are already on a call. A tone will sound in the earpiece, and the display will show that a second call is waiting. This feature, known as **Call Waiting**, is only available if your network supports it. If Call Waiting is turned on, you can put the first call on hold and answer the second call by pressing the  [SEND] key.

## Rejecting an Incoming Call

You can reject an incoming call without answering by simply pressing the  [END] key or touching .

## Muting the Microphone

You can mute the microphone during a call by touching . The handset can be unmuted by touching  again. When the handset is muted, the caller cannot hear you, but you can still hear the caller.

## Using the Speakerphone

You can use the integrated Speakerphone during a call by touching . The loudspeaker is automatically deactivated when you end the call.



**WARNING:** Due to increased volume levels, do not place the phone near your ear while the speakerphone is enabled.

The maximum number of callers in a conference call is five. Once started, you are in control of the conference call, and only you can add calls to the conference call.

## Conference Calls

The conference service provides you with the ability to have a simultaneous conversation with more than one caller. The conference call feature can be used only if your network service provider supports this feature.

Once a conference call is set up, calls may be added, disconnected or separated (that is, removed from the conference call but still connected to you) by the person who set up the conference call. These options are all available from the In-Call menu.

# In-Call Menu

## Setting Up a Conference Call

To set up a conference call, place the first call. Once that is connected, follow the steps above to make a second call. You can then join the two separate calls by touching  and select the Join Calls from the Conference Call menu.

## Activate the Conference Call on Hold

To activate a conference call on hold, press the  key.

## Adding Calls to the Conference Call

To add a call to an existing conference call, touch  and choose Conference Call, then select the Exclude Call and View Members from the Conference Call option.

## Private Call in a Conference Call

To have a private call with one caller from a conference call, touch  and select Private Call from the Conference Call option. When the numbers of the callers are displayed, select the one you wish to speak in private with. Only the person who initiates the Conference Call can initiate a Private Call.

## Ending a Conference Call

The currently active conference call can be disconnected by pressing the  key.

# Your Standby Screen

From here you can access all menu options, make a quick call and view the status of your phone - as well as many other things.

## Touch Screen Tips

The standby screen is also a great place to get accustomed to the touch screen.

To select an item, touch the icon accurately. Your GR500R can be set to vibrate slightly when it recognises you've touched an option.

To scroll through lists, touch the last item visible and slide your finger up the screen. The list will move up so more items are visible.

- There's no need to press hard, the touchscreen is sensitive enough to pick up on a light yet firm touch.
- Use the tip of your finger to touch the option you require. Be careful not to touch any other keys.

- When the screen light is off, press the  key on the right hand side twice to restore the standby screen.
- Don't cover the phone with a case or cover as the touch screen will not work with any material covering it.



# Your Standby Screen

## The Quick Keys

The quick keys on your standby screen provide easy, one-touch access to your most used functions.



Touch to bring up the touch Dialing Keypad to make a call. Input the number as you would use a normal keypad and touch  or press the  hard key.



Touch to open your contacts and search for the number you want to call. You can also create new contacts and edit existing ones.



Touch to access the Messages options menu. From here you can create a new outgoing Message.

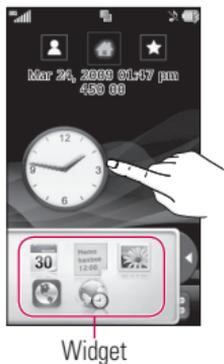


Touch to open the full Top menu which is separated into four sub-menus. Touch the vertical tabs to view further options.

## Home Screen

Allows you to use Widgets and even add them to your Home screen.

- Click  to open the Home Screen.
- Drag a Widget from the roll-out Menu onto the Home screen. This will enable you to use Widgets.
- You can play songs, add memos, check the calendar, play slide show, set an alarm or add events directly from the standby screen using Home Screen.
- Click  again to close the Home Screen.

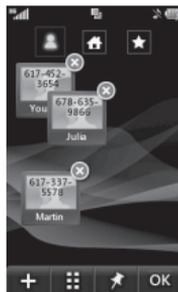
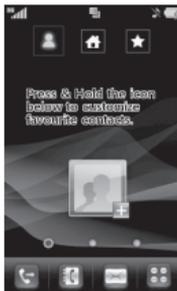


## Visual Contacts

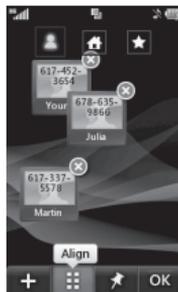
Allows you to easily contact your friends and family by displaying your favorite contacts on the standby screen.

# Your Standby Screen

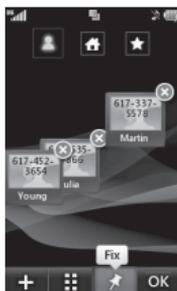
- First, touch  from the standby screen. Touch and hold down .
- If you want to delete a contact from this screen, touch .



- Select  to choose a contact. You can choose up to 6 contacts for one page.
- Touch  to align the contacts on the screen.



**Note:** Touch  and the contact will have a slight shadow around it. If you slightly shake or move the phone, the contacts will float in the screen. Touch  again and the contacts will be fixed and not be moved by the phone's status.



- Touch  to finish editing the Contacts on this screen. Then to access your Contacts, simply touch on their corresponding icon. Touch  to call,  to send a message and  to check messages received from that person.



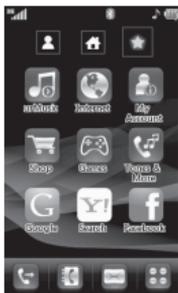
- If you want to edit one of the Contacts, touch and hold the contact or the margin space of the screen. It will turn to the Edit screen.

# Your Standby Screen

## Shortcuts

Add your favorite menu on the standby screen.

- Touch and hold down any of the items and it will turn to the Edit Screen.

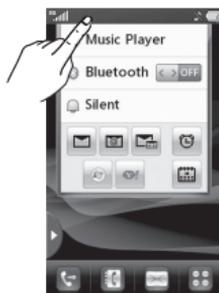


- Touch  to add another application, touch  to delete the application from Shortcuts, touch  to finish.

## Annunciator

With GR500R's Annunciator, you can quickly connect to the Music Player, Bluetooth service and more.

Touch the top side of the standby screen.



- You can use Music Player to edit a playlist or turn on Bluetooth.

- You can set your profile by touching . You can set your profile to Normal, Ring and Vibration, Ring after Vibration or Silent and Vibration.



- To send a Text message, touch .
- To send a Mobile Email, touch .
- To check Voicemail, touch .
- To use IM, choose from  .
- If you want to set an Alarm, touch .
- To view the Calendar and add new events, touch .

# Menu Tree

Touch  in the standby screen to open a **Top menu**. From here you can access the following menus: **Phone, Multimedia, Organizer** and **Settings**



## Phone



Dialing



Contacts



Call History



Messages



MobileMail



Rogers IM



My Account



Friends



## Multimedia



urMusic



Internet



Games



Applications



Camera



Video



Pictures



Music Player



## Organizer



Audio & Ring Tunes



Calendar



Alarm Clock



Calculator



Tools



Other Files



Memory Card



## Settings



Call



Date & Time



Audio & Ring Tunes



Display



Touch



Phone



Bluetooth



More



1. Connection



2. Start up Guide



3. Touch Calibration



4. Memory



5. Application Settings



6. Phone Information

# Messaging

This menu includes functions related to SMS (Short Message Service), MMS (Multimedia Message Service), voice mail as well as the network's service messages.

## New Message

- 1 In the standby screen, select .
- 2 Touch **Create Message**.

Note: If you attach a graphic or an audio file while writing a multimedia message, the file loading time can take up to 5 seconds. You will not be able to activate any key during the file loading time. When the file loading is complete, you will be able to write a multimedia message.

## Editing a message

The following options are available when Editing a Message.

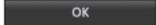
- **Symbol:** You can insert symbols ranging from sentence notes to emoticons. Touching the  twice, and you can select the symbols you want. You can use  and  to scroll through the various pages of symbols.



# Messaging

Inserting Multimedia files in outgoing messages is easy. Press the

 button and select an option from below:

- **Picture:** You can preview the selected picture. Touch  to insert the selected picture.
- **Audio:** You can insert from your saved Audio files.
- **Video:** You can insert from your saved Video clips.
- **New Picture:** You can insert a new image taken from the camera by touching  [Capture].

**Note:** Refer to page 69 for camera options.

- **New Audio:** You can record a new audio clip by touching  .
  -  **Record Mode:** MMS mode record time is about 9 minutes and the General mode provides a longer recording time.
  -  **Quality:** Set the audio quality to Fine, Normal or Economy.
  -  **Select Storage Defaults:** You can assign the default storage to Phone Memory or Memory Card.
- **New Video:** You can record a new video. The options are similar to those when inserting a New Picture.

- **Template**

- **Text:** You can easily insert frequently used sentences in the text message.
- **Multimedia:** Preset multimedia templates are available.
- **Signature:** Input your own created signature. For further details, see page 51.
- **More:** Allows you to insert Subject, vCard, vCalendar, vNote, vTask or Contact.

**Note:** vCard, vCalendar, vNote, vTask and Contact are created by the Address Book, Calendar, Notepad and Tasks functions. Go to the corresponding sections for more detailed information.

## Using Options

Touch  to use the options below.

- **Text Entry Settings**

- **Text Entry Language:** Allows you to set the text entry language to English, Français, Español or Korean.
- **Show/Hide Word Candidate List:** When in T9 Entry Mode, you can see the word candidates as you type.
- **Next Word Prediction On/Off**
- **T9 Dictionary:** Here you can add/delete/reset/modify words to the T9 Dictionary.

# Messaging

- **Delivery Options**

- **Delivery Receipt:** If this is set to be On in this menu, you can check whether your message was sent successfully.

- **Reply via Same Message Centre:** You can set this to be On or Off.

- **Save to Drafts:** Saves the selected message to Drafts.

- **Writing Font Size:** Set the Writing Font Size to be **Small, Medium** and **Large**.

- **Cancel Message:** Allows you to exit the Message without saving your input message.

## **Sending a Message**

After completing a message using the **Insert/Options**, select **Send To** to send a message.

- Enter the recipient(s). From , you can choose an option item below.

- **Enter Number:** You can input the recipient(s) number using the Touch keypad or Qwerty keypad.

- **Enter Email:** You can enter an Email address instead of a phone number.

- **Caller Groups:** Displays Contact Groups.

- **Recent Messages:** Choose a contact from recent messages.

- **Recent Calls:** Choose a contact from recent calls.

- **Delivery Options:** Options of **Priority, Delivery Receipt, Reply via Same Message Centre, Request Read Receipt, Add Cc**, and **Add Bcc**.

- **Edit Message:** Go back to the message editing mode.
- **Save to Drafts:** Saves the selected message to Drafts.
- **Text Entry Settings:** This menu allows you to set the **Text Entry Language**. It also allows you to **Hide/Show Word Candidate List, Next Word Prediction On/Off**.
- **T9 Dictionary:** Access the T9 Dictionary to delete/add/modify words.
- **Cancel Message:** You can cancel the message.

## Message folders

The folder structure on your GR500R was designed to be fast and easy to use.

- **Inbox:** All the messages you receive are placed into your Inbox.
- **Drafts:** If you don't have time to finish writing a message, you can save what you've done so far here.
- **Outbox:** This is a temporary storage folder where messages are stored while being sent.

**Note:** If you see the message "No space for USIM messages", then you should delete some messages from your Inbox. If you see the message "No space for messages", then you can delete either messages or saved files to create space.

# Messaging

## Inbox

You will be alerted when you receive a message. They will be stored in the Inbox. In the Inbox, you can identify each message by icons. To reach the Inbox, from the Standby screen, touch  and touch Inbox.

The following options are available when you select a message and touch .

## Conversation View

This mode allows you to view all messages with each contact in conversational order.

Choose  to see messages in detail or choose  for the simple view.

## Standard View

The following options are available in standard view:

- **Make Video Call:** You can make a video call to the sender.
- **Add to Address Book:** You can save the sender's phone number in the Contact List.
- **Select Slide:** If the multimedia message has more than one slide, you can select and move to the desired slide.
- **Extract Data:** You can make a voice call or send a message. You can save the number As New contact or Updating Existing.
- **Copy to phone:** Copy a message to the Phone.

- **Move to Phone:** Move a message to the phone.
- **Message Details:** You can view information about received messages; message Type, Subject, Sender's address, and message Time.

The following Options are available in Inbox folder.

- **Delete:** You can pick a message and delete it.
- **Standard/Conversation View:** You can select between the two viewing modes.
- **Sort By:** You can sort all messages by Name, Title, Date and Read/Unread.
- **Delete All Read Messages:** You can delete all read messages.

## MobileMail

Mobile Email allows you to access your Rogers Yahoo! Mail, Yahoo! Mail, Windows Live Hotmail, accounts on your phone. So, now you can quickly and easily check your email while you are away from your computer.

### To Set Up Mobile Email

- **Open Mobile Email:** From the standby screen, Touch , and touch .
- **Select an Email Provider:** Touch the email provider you wish to use.
- **Read and Accept the Terms of Use**

# Messaging

- **Log In**

1. Highlight the ID entry field, touch and then type in your existing email ID.
2. Touch the Password field, to highlight it, and enter your password.

**Quick Tip:** Your password is case sensitive. Press the  button on the keypad to change to lower case or upper case.

3. To save your password scroll down to Save password and press down on the select to check the box.

4. Select **Sign In**.

- **Opening an Email:** Just scroll down and press on the subject line to highlight the message you want to open, then press again to open the message. When the email is open, select **Options** to reply, forward or delete.

- **Deleting an Email:** Scroll down to the email you want to delete, touch the subject line to highlight it, press **Options**, and then Delete.

## Rogers IM

The Instant Messaging feature can only be used with the support of the network operator or communities such as Windows Live™ and Yahoo!® Messenger. For Instant Messaging users, a valid User ID and Password will be required in order to login and exchange messages as well as checking the online status.

## To access the IM feature

- 1 Touch  and touch .
- 2 You can see available IM clients. The menu items below might not appear as not all IM communities support the various options. In addition, the menu strings may appear differently. This depends on the selected IM communities. The keywords such as User ID, Login and Contact will be used as general terms in IM menus according to the currently selected communities such as Windows Live™ and Yahoo!® Messenger

## Offline Menu

### Sign In

This allows users to login by filling in the User ID and Password.

**Note:** Once the User ID and Password are saved, you will not be required to type them in again during the Login process. This feature is optional.

### Saved Conversations

This is where a user can view saved conversations.

### Settings

- **Set Sound:** Allows you to turn alerts **On/Off** for a Contact when they have activity on their session.

# Messaging

## IM Information

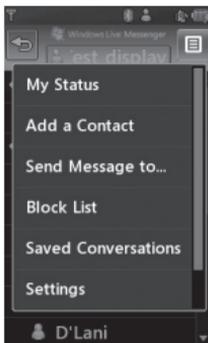
This displays the Instant Messaging Client Information such as Client Name and Version Number.

## Online Menu / 1-to-1 conversation

After a successful Login, a list of contacts with Screen Names will appear on the screen. Touch and hold each item, it will show various menu pop up.

## General Options

Touch .



- **My Status:** Allows you to set your status to Online, Busy or Be Right Back.



- **Add a Contact:** It adds a new contact to the selected contacts list; contacts are searched on the basis of Email Address. First Name or Last Name.
- **Send Message to:** Allows you to send a message to someone by inputting an email address.

- **Block List:** Displays the list of all blocked Contacts.
- **Saved Conversations:** This is where an user can view saved conversations.
- **Settings:**
  - **Display Name**
  - **My Status:** Allows you to set your status to Online, Busy or Be Right Back
  - **Offline Buddies**
  - **Set Sound:** Allows you to turn on/off an alert for the Contacts when they have activity on their session
  - **Auto Sign In**

Touch and hold a conversation.



- **End Conversation:** It closes the selected conversation. If an unknown contact is selected, that contact will be deleted.
- **Block/Unblock Contact:** This allows you to block/unblock the selected Conversations Contact.
- **Contact Info:** This allows you to view the User ID and Status Text information.

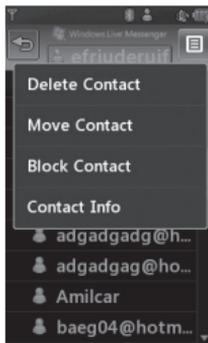
# Messaging

Touch and hold the contact List.

- **Refresh Contact List:** It refreshes the current information on the contacts within the list.



Touch and hold a contact.



- **Delete Contact:** It deletes the selected Contact.
- **Block/Unblock Contact:** This allows you to block/unblock the selected Contact.
- **Contact Info:** This allows you to view information. It provides User ID, Status Text.

## Menu options available in the Conversation screen

- **Insert:** You can insert a Symbol, Template and emoticons to the conversation screen. This feature is accessed by pressing the left soft key.
- **Back to Contacts:** It brings the screen back to the contacts list.
- **My Communities:** Displays the list of Email clients.
- **Block/Unblock Contact:** This allows you to block/unblock the selected Contact.
- **Save Conversation:** Stores the currently active conversation.
- **End Conversation:** It ends the active conversation and clears the conversation buffer.

## • Settings:

### - Display Name

- **My Status:** Allows you to set your status to Online, Busy or Be Right Back.

### - Offline Buddies

- **Set Sound:** Allows you to turn on/off an alert for the Contacts when they have activity on their session.

### - Auto Sign In

- **Text Entry Mode:** Sets the text input mode such as abc, Abc, ABC, T9 abc, T9 Abc, T9 ABC and 123.
- **Minimize:** Minimizes the IM window and returns to standby mode.
- **Sign Out:** It begins the logout process.

# Messaging

## Note:

- In the conversation window, you can use the up/down Qwerty keys to scroll through the conversation.
- The current information might not update in real time so the "Refresh List"/"Refresh Contact" option can be used for the most up to date status.

## Drafts

You can view the messages saved as drafts. To see the Drafts folder, touch the . Quick key from the Standby screen, then touch **Drafts**.

## Outbox

Outbox is a temporary storage place for messages waiting to be sent. When you press the  [SEND] key, you can make a call to the number of the recipient number of the selected message.

If the message is not sent from the Outbox, you will receive a sound alert along with a Message Sending Failure notice on the screen.

Another attempt will be made to send the failed message and after two unsuccessful attempts, the message will no longer be sent automatically. In order to send the message that has failed, you must touch  to resend the message.

After the maximum number of Send attempts has been reached, the **Send** function has failed. If you were trying to send a text message, open the message and check that the Sending options are correct.

Outbox list will display messages in sending failed, sending or waiting, sent order. Touch  to use options available from Outbox list.

- **Delete:** Deletes a message you choose.
- **Sort By:** Sorts by name, title and date.
- **Delete All:** Delete all messages.

Those options are available when you choose a message in Outbox.

- **Make Video Call:** You can make a video call to the sender.
- **View Status:** Shows message status as failed, sent or error.
- **Edit:** Allows you to edit the selected message.
- **Select slide:** If the multimedia message has more than one slide, you can select and move to the desired slide.
- **View Attachment:** View attachment of the message.
- **Message Details**

# Messaging

## Sent

This is where you can view the lists and contents of sent messages and also verify if transmission was successful.

The following [Options] are available.

- **Delete:** Deletes the selected message from the Sent list.
- **Select Multiple:** Allows you to select multiple messages from the list.
- **Message Details:** Allows you to view information on the message.
- **Make Video Call:** For more details, refer to Making a video call (page 15).

## Call Voicemail

This menu provides you with a quick way of accessing your voice mailbox (if provided by your network).

**Note:** Please check with your network service provider for details of their service in order to configure the handset accordingly.

## Message Settings

To configure **Messaging settings**, touch the  Quick key from the Standby screen, then touch **Message Settings**.

## Message Alert

You can set the Sounds and Alert Type here.

## Signature

This feature allows you to create your Text signature. You can use symbols, Text Template and contacts as part of the signature.

## Text Message

- **Text Templates**

There are 6 predefined messages in the list. You can view and edit the template messages or create new ones. The following options are available when you touch .

- **Add New:** Allows you to create a new template.
- **Delete:** Allows you to delete the selected template message.
- **Delete All:** Deletes all messages in the folder.

To edit an existing Template, touch it (to open) then touch the text. The Edit Template screen will automatically open.

- **Message Centre Number:** If you want to send a text message, you can get the address of the SMS centre by using this menu.
- **Message Types:** Convert your text into Voice, Fax, X.400 or Email.
- **Validity Period:** Choose how long your messages are stored at the message centre.
- **Delivery receipt:** You can set On or Off.
- **Reply via Same Message Centre:** You can set On or Off.
- **Insert Signature:** You can set On or Off.

# Messaging

## Multimedia Message

- **Multimedia Templates:** Multimedia templates are available and can be created here.
- **Priority:** You can choose to set the priority of the message.
- **Message Subject:** You can enter the MMS Subject when this option is  ON. You can switch between  OFF to  ON by dragging it from left to right.
- **Validity Period:** This network service allows you to decide how long your multimedia messages will be stored at the message centre.
- **Send Delivery Receipt:** Allows you to send a delivery confirmation mail for a Multimedia Message.
- **Send Read Receipt:** Allows you to send a message read confirmation mail for a Multimedia Message.

## • Download Options

- **Download Without Ask:** Allows Multimedia Messages to be downloaded automatically.
- **Ask Always:** You can download a multimedia message manually.
- **Discard:** Used when the user rejects download of the Multimedia Message.
- **Message Centre:** The details for the Multimedia gateway are pre-loaded onto your handset and should not be changed.

## Voicemail Number

This menu allows you to call the voicemail centre number if this feature is supported by Rogers. Please check with Rogers for details of their service in order to configure the handset correctly.

## Service Message

You can set the Service option to determine whether or not you will receive service messages.

Ask Always, Discard and Save Without Ask options are available.

## Info. Service

Info. Service messages are text messages delivered by the network to your handset. They provide general information such as weather reports, traffic news, tax, pharmacies, and stock prices. When you receive an info. service message you will see a popup message show you that or the info. service message is directly displayed.

- **Receive:** You can set the reception status.
- **Topics:** To create a new topic, select **Topics** and touch **New Topic** from the screen. If you want to edit the topic, touch the topic and edit it.
- **Languages:** This option lets you select the preferred languages. Info. service message will be displayed in the selected languages.

## Friends

The Friends link is the place to stay connected to all your online communities through your phone. Easy to access Facebook, MySpace, Yahoo! and Windows Live and so on.

## urMusic

Please check with your network service provider for details of this service.

# Internet

This menu shows how to access the Internet by launching the WAP browser.

**Note:** Check the availability of WAP services, pricing and tariffs with your network operator and/or the service provider which service you wish to use. Service providers will also give you instructions on how to use their services.

Please contact your service provider to open an Internet account.

To launch the browser in Standby mode, touch the Quick key  then choose the tab . Touch .

Once connected, the homepage is displayed. The content depends on the service provider. To exit the browser at any time, press the  key.

## Menus for the Browser

You can surf the Internet using either the touch screen or the qwerty keypads.

## Using the WAP Browser Menu

### Using the Browser Tool Bar



- **Back**  : Moves to the previous page.
- **Forward**  : Moves to the next page.
- **Refresh/Stop**  : Loads the current page again. When a page is loading, press to stop loading the current page.

# Internet

- **Bookmarks** : Takes you to your Bookmark menu. Holding down this key will add the current page to your saved Bookmarks.
- **Zoom** : Displays the Zoom bar to Zoom in or out while browsing.

Once you are connected to the Internet, the following menu options are available as buttons or through the Options menu :

**Note:** If you are browsing the Internet in Landscape mode, you can access the Options Menu by tapping any part of the browser screen that does not contain a link.

- **Home:** Go to the initial homepage.
- **Windows:** Create, manage or view different browser windows. It allows you to access multiple web pages simultaneously.
- **Enter URL:** Connects to the specific URL after editing.
- **Bookmarks:** This function allows you to store and edit frequently accessed sites.

The following options are available with the  menu.

- **New Bookmark:** Add a new bookmark manually.
- **Send URL:** Allows the bookmark information can be sent via SMS to other devices.

- **New Folder:** Allows you to add a new folder, manually.
- **List View:** You can view the bookmarks list.



< Portrait View >

**Note:** Pre-installed bookmarks cannot be deleted or edited by users.

In order to change the text input mode for symbol input, please refer to the General Functions section.

- **View Full Screen/View Normal Screen:** Hold your phone horizontally and you can view full screen, If you hold the phone vertically, you can view normal screen.
- **Search Text:** Search current page for the specific text.
- **Recent Pages:** You can view a list of pages recently visited.
- **Send URL:** Allows the bookmark information can be sent via SMS to other devices.
- **Settings:** Allows you to set options such as Full Screen View, Cache, Cookie and other Browser Settings.
- **Help:** Help for browser menu and options
- **Exit:** Exit browser

# Games

Access Games on your GR500R or Browse the catalog of games available to buy and download new ones.

To launch Games while in the Standby screen, touch the Quick key , touch  and then touch .

**Note:** The JAR file is a compressed format of the Java program and the JAD file is a description file that includes all detailed information. From the network, prior to download, you can view all detailed file descriptions from the JAD file.

 **WARNING:** Only J2ME (Java 2 Micro Edition) based programs will run in a phone environment. J2SE (Java 2 Standard Edition) based programs will only run in a PC environment.

- **Get New Games:** This menu option connects to Rogers game download site.

You can see the available downloaded games in the list.

# Applications

To launch Applications while in the Standby screen, touch the Quick key , touch tab  and then touch .

This menu displays the list of Java programs downloaded using WAP. All previously downloaded programs can be selected, deleted or viewed in detail within the Application menu.

## Get New Applications

This menu option connects to Rogers application download site. You can see the available downloaded applications in the list.

# Multimedia

## Camera

Touch , then choose  tab.

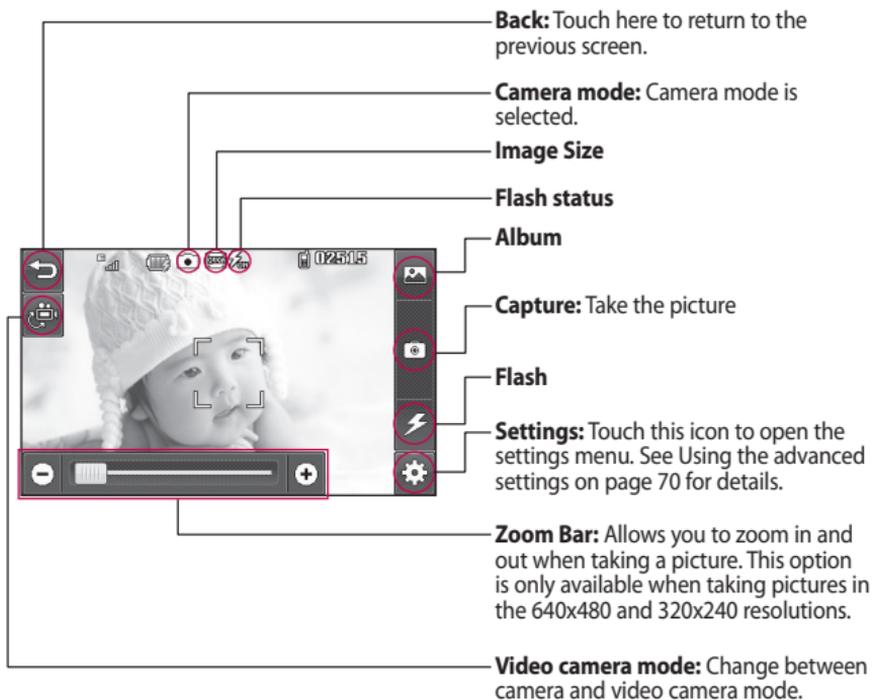
Touch .

## Take Photo

Using the camera module built into your phone, you can take pictures of people or events while on the move. Additionally, you can send photos to other devices as a picture message.

Press  to go to camera mode directly. Or choose  from the  tab.

## Getting to know the viewfinder



**Note:** The shortcut options will be disappeared after a few seconds automatically.

To recall the options, touch the screen again.

# Multimedia

## Settings Menu

### Preview tab

- **View Mode:** Choose between Full Image and Full Screen.
- **Image Size:** The resolution of the image can be captured in 1600\*1200 / 1280\*960 / 640\*480 / 320\*240.
- **Brightness:** Adjust brightness by adjusting slider.
- **Color Effects:** Includes options of Color/Mono/Sepia/Negative/Blue.
- **White Balance:** Set the White Balance as Auto/Daylight/Cloudy/Illuminate/Indoors.
- **Night Mode:** This is useful to take a photo at dark place.
- **Timer:** Timer can be set to Off/ 3 Seconds/5 Seconds/10 Seconds.

- **Image Quality:** Set the image quality as Super Fine/Fine/Normal.

### Others tab

- **Save to:** Choose to save a photo to Phone or Memory Card.
- **Shutter Tones:** Can be set to Tone 1/Tone 2/Tone 3/Off.
- **Reset Settings:** Allows you to set to the default settings.

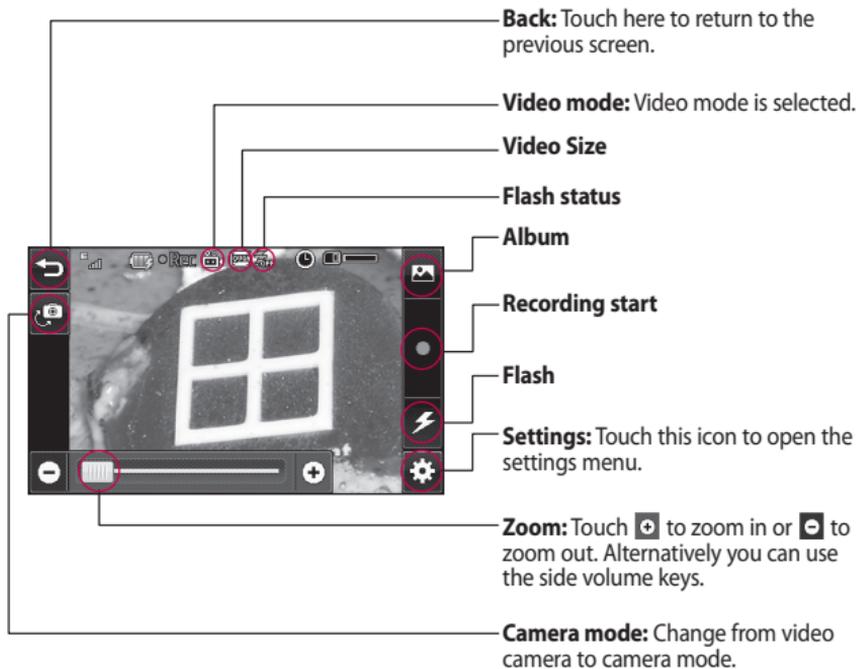
**Note:** In Take Photo mode, you can adjust the zoom scale by moving the slider. The maximum zoom levels depend on the resolution as follows.

| Resolution | Zoom scale         |
|------------|--------------------|
| 1600x1200  | Level 1            |
| 1280x960   | Level 1            |
| 640x480    | Level 1 ~ Level 10 |
| 320x240    | Level 1 ~ Level 10 |

## Record Video

When recording video, you have many of the same Settings options as with taking a photo.

### Getting to know the viewfinder



# Multimedia

## Settings Menu

### Preview Tab

- **Video Size:** Sets the size of video to 320x240 or 176x144.
- **Brightness:** Adjust brightness by adjusting slider.
- **Color Effects:** Includes options of Color/Mono/Sepia/Negative/Blue.
- **White Balance:** Set the White Balance as Auto/Daylight/Cloudy/Illuminate/Indoors.
- **Night Mode:** This is useful to record a video at dark place.
- **Video Quality:** Determines the quality of a video clip. Includes options for Super Fine/Fine/Normal.
- **Type:** Use one of the recording duration presets, made for different purposes. General/MMS Mode.

## Others Tab

- **Save to:** Choose to save a video clip to Phone or Memory Card.
- **Voice:** Mute or unmute the voice.
- **Recording Tones:** Set Recording Tones On or Off.
- **Reset Settings:** Allows you to set to the default settings.

**Note:** In Video Record mode, you can adjust the zoom scale by moving the slider. The maximum zoom levels depend on the resolution as follows.

| Resolution | Zoom scale         |
|------------|--------------------|
| 320x240    | Level 1 ~ Level 10 |
| 176x144    | Level 1 ~ Level 10 |

## Camera Album

You can view the Album containing your Pictures and Videos. For more available options, touch .

**One by One View/Sort by/Send/Print via Bluetooth/Delete/Slide Show/Delete All.**

## Video

Touch  and the  tab, then choose .

-  **Shop Videos:** You can download videos.
-  **Record Video:** You can record your own video.
- You can view the video files in the list.

**Note:** DRM sometimes restricts some functions, such as send and edit.

## Pictures

Touch  and the  tab, then choose .

This allows you to view pictures when browsing.

-  **Shop Graphics:** Connects to Rogers graphic download site.
-  **Take Photo:** It takes you to go to the camera mode.
-  **Make GIF Animated file:** You can make an animation file with the selected images in the list.
- You can view the graphic files in the list.

# Music Player

## Music Player

To launch Rogers Music while in Standby mode, touch the Quick key , touch tab  and then touch .

- **All Songs:** You can view all songs in your music library.
- **Playlists:** You can make your own playlists.
- **Artists:** Shows the list of artists of all the songs in your music library, and shows all the songs when select an artist.
- **Albums:** Shows the list of albums of all the songs in your music library, and shows all the songs when select an album.

- **Genres:** Shows the list of genres of all the songs in your music library, and shows all songs of a specific genre.
- **Shuffle songs:** You can view all the songs in your music library with shuffle.

**Note:** Copyrights of music files may be protected by copyright and intellectual property laws. Please ensure that you adhere to the applicable Terms of Use of materials laws prior to downloading or copying files.

## Playing Music

To listen to music in your phone or the external memory, follow these quick and easy steps:

- 1 From the Standby screen, touch  then open the Multimedia tab by touching .
- 2 Then touch .
- 3 Select Music Player to view your options. You can select from All Songs, Playlists, Artists, Albums, Genres and Shuffle songs to select your Music. The Now Playing menu will be only available when music is playing.



- Touch the song you wish to play.
- While playing, touch  to pause the selected song. Touch  to adjust the volume. Touch  or  to skip to the next song or previous song.
- Touch  to Minimize the music player and access other phone functions while music is playing.

**Note:** Files under 300kb may not be displayed in this function and may be categorized as Ringtones.

# Music Player

## Adding Music To Your Handset

Music files can be added to your handset by using one or more of the following methods:

- Download music and ringtones over the Rogers network directly to your device via the Shop Music link in the Rogers Music Folder or the Ringtones link in the Rogers Media Mall folder.
- From your existing digital media collection on your PC via Windows Media® Player and/or Windows Explorer.
- From your PC using other music subscription services, such as Napster or eMusic.

## Purchasing and downloading Music directly to your Device

- 1 Touch  then touch .
- 2 Touch .
- 3 Select **Rogers MusicStore**.
- 4 Navigate the **Rogers MusicStore** page to download today's hottest music, ringtones and other personalized content directly to your phone.

**Note:** Some sites are data intensive (i.e. previews via streaming) so the user should be enrolled in an unlimited data plan before using these services to avoid per-use data charges.

**Note:** Additional charges may apply when downloading music, ringtones etc.

## Transferring Music using your PC

### Before You Get Started

To transfer music from your PC to your device, you will need the following:

- Windows Media® Player 10 (or above) or other digital music management software such as Napster or eMusic
- A microSD™ card\* (supports up to 16GB cards)
- USB data cable\*
- \* microSD™ card and USB data cable sold separately.

**Note:** This device is not compatible with iTunes and/or iTunes files.

## Transferring Music from the Digital Music Service

- 1 Using your computer, open your preferred PC music management client.
- 2 Download the selected song to your library.
- 3 Make sure the microSD™ card is inserted properly into the handset.
- 4 Use the USB adapter cable to connect the handset to the PC. When you try to connect handset on your PC, the handset displays “Connecting as Music Sync...”

# Music Player

- 5 Once the USB connection has been established, the handset displays “Connected as Music Sync Mode. Do not disconnect during transfer.” and the computer screen then shows the GR500R device. If the detection does not occur, skip to **Changing USB Connection Settings** section on page 80.
- 6 Follow the instruction in the program to transfer music to your handset.

**Note:** If you have a USB hub, connect the handset directly to your computer rather than through the hub.

## Transferring Music using Windows Media Player

- 1 Open Windows Media® Player on your computer (version 10.0 or higher).
- 2 Use the USB adapter cable to connect the handset to the PC. When you try to connect handset on your PC, the handset displays “Connecting as Music Sync...”
- 3 Once the USB connection has been established, the handset displays “Connected as Music Sync Mode. Do not disconnect during transfer.” and the computer screen then shows the GR500R device.

**Note:** If the target computer does not detect the newly connected handset or provide an MTP Player dialog window on the PC screen, skip to **Changing USB Connection Settings** section on page 80.

- 4 From the Windows Media® Player application, click on the Sync tab. Previously downloaded songs are then listed on the left side of the application.
- 5 Choose the destination location for the media files. The GR500R Music Sync Player appears in a drop-down list on the right side of the screen.

**Note:** If there is no item present in the playlist, click the Edit Playlist button and begin adding the music files from the various media categories.

- 6 Click on the checkmark boxes (to the left of the song entry) to select the song you want to synchronize to your handset.
- 7 Click the Start Sync button to download the selected songs to your handset. A “synchronization in progress” message appears on the application. Do not unplug the handset during this process. Once complete, the progress bar will disappear.
- 8 It is now safe to unplug the USB connector from the handset.

# Music Player

## Drag and Drop Music Using GR500R As A Mass Storage Device

- 1 Make sure the microSD™ card is inserted properly into the headset.
- 2 Connect the device to a PC using a GR500R USB data cable.
- 3 A bubble may appear on the PC, “Found New Hardware LG USB Modem”.
- 4 Access My Computer on the PC.
- 5 The phone’s memory card will be listed under “Devices with Removable Storage” in the same location as an optional drive.

**Note:** The PC will automatically assign a drive letter.

- 7 File explore in a new window for desired music files.
- 8 Drag and drop the desired music content from the PC window to the “Storage Card” window.
- 9 Disconnect the device from the cable.
- 10 Access the Music Player on the phone.

**Note:** If the target computer does not detect the newly connected handset as Mass Storage, skip to Changing USB Connection Settings section below.

## Changing USB Connection Settings

- 1 Touch  and touch the tab .
- 2 Touch .
- 3 Select **Connection**.

- 4 Touch **USB Connection Mode**.
- 5 Touch Music Sync (if using Windows Media® Player or other Digital Music Services) or Mass Storage (if you are going to drag or drop files).
- 6 Reconnect the device to a PC.

## Deleting Music Files

The following three options are available to delete Music from your Phone:

- 1 Delete a file using Mass Storage, but not using Music sync function.
- 2 Delete a file by directly inserting the microSD™ external memory onto the PC.

- 3 Delete a file using delete function on the phone.

**Note:** If you delete a playlist from the phone, the songs in the playlist will not be removed and remain in All songs folder.

Do your file operations like Delete, Move and Copy using Music Sync.

**Note:** Be aware that all of the existing data will be erased on microSD™ card if you run the below process.

- Go Settings > Phone > Reset Settings > Master Clear > Memory Card function in the Settings menu.
- Format external memory using Mass Storage.

# Organizer

## Audio & Ring Tunes

Touch  and the  tab, then choose .

- **Get New Ring Tunes:** This menu option connects to Rogers ringtone download site.
- **Record Voice:** You can record your own audio by touching



## Calendar

When you go into this menu, a calendar will be displayed. The red square cursor is used to locate a particular day. The bottom bar on the calendar indicates schedule(s) for that day. This function helps to remind you of the schedule. The phone will sound an alarm tone if it has been set for a specific schedule item.

The following options are available when you open the Calendar function and touch the  menu.

- **New Schedule:** Allows you to add a new schedule on the date you select.
- **Search:** Allows you to search the saved schedule(s).
- **Send Schedule Via:** Send your schedule via text message, multimedia message or bluetooth.
- **Set Holiday:** Allows you to set your personal holiday for the selected date.
- **View All:** Allows you to view all saved schedules.
- **Week View:** Allows you to change Calendar view mode from Monthly View to Week View.

- **Go to Date:** Allows you to jump to a specific date.
- **Selective Delete:** Allows you to delete Old Schedules or All Schedules selectively.
- **Settings:** Allows you set Default View and Weekly Begin day.

## Alarm Clock

The alarm function allows you to set up multiple separate alarms. You can also set the time, repetition interval and alarm sound. Select your desired alarm setting to configure from the alarm list. If there is no alarm setting, .

- **Time:** Select the desired set time mode using the select. Input your desired alarm time by specifying the hour and minutes. If the time is in the 12 hour format, you have to select either  or  by touching it.
- **Repeat:** Select the desired repeat mode.
- **Alarm Tone:** Able to select the preferable alarm sound.
- **Memo:** Input alarm name.
- **Snooze Interval:** You can set the snooze interval for 5 Minutes, 15 Minutes, 30 Minutes, 45 Minutes or 1 Hour. Now, Touch  to save your new Alarm.

# Organizer

## Calculator

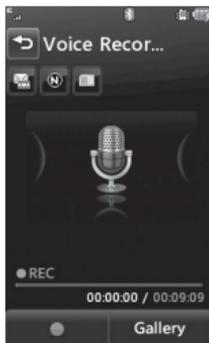
The calculator function allows you to add, subtract, multiply and divide. You can input numbers and operators using the touch key pad. Use the **C** touch key to delete numbers.

## Tools

From the Standby screen, touch , and the  tab, then choose .

## Voice Recorder

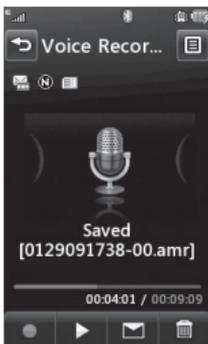
Use the Voice Recorder to record voice memos or other sounds.



- **Settings**

-  **Record Mode:** MMS record mode shortens the time so that the recording can fit in an MMS and General mode provides longer recording time.
-  **Quality:** Set the audio's quality to Fine, Normal or Economy.
-  **Select Storage Defaults:** You can assign the default storage to Phone Memory or Memory Card.

- Touch  to start recording. Touch  to pause recording. To continue recording, touch  again. To stop recording, touch . The recording will be saved automatically.



- To start a new recording, touch . To play the recording, touch . To send the recording by Message, Bluetooth or Online album touch . To delete the recording, touch  and confirm Yes.
- You can view the audio files in the list.

## Voice Command

Voice command is the function whereby your phone's voice recognition engine identifies the voice of the user and carries out the requested commands. When the user operates the voice command function, there are five possible commands, call <name or number>, Listen to voicemail, missed calls, messages and time & date.

# Organizer

- 1 Call <Name or Number>:** This function is activated only when the user says the command "Call" followed by the name stored in the Address Book or specified phone number. The voice engine inside the handset recognizes the user's utterance and displays name lists or phone numbers. However, interfering noise might cause a problem displaying candidates. Additionally, the user has the option to superimpose a number type at the end, such as "mobile", "home" or "office".
- 2 Listen Voicemail:** this command is activated when the user says the words "Listen Voicemail". The user will then be automatically connected to voicemail.
- 3 Missed Calls:** this command is activated when the user says the words "Missed Calls". The mobile phone presents missed call lists.
  - **commands available to user**
    - **yes:** make the phone call
    - **no:** moves to the next missed call list
    - **cancel:** go back to the main voice command menu
    - **exit:** terminate voice command
- 4 Messages:** this command is activated when the user says the word "Messages". The phone displays details of unread SMS or MMS messages.

## • commands available to user

- **yes:** make the phone call
- **no:** move to the next unread message
- **cancel:** go back to the main voice command menu
- **exit:** terminate voice command

**5 Time&Date:** this command is activated when the user says the words "time and date". The phone displays the current local time and date.

The Voice Command function also has options accessible by pressing  when in the Voice Command screen. For more information, see page 112.

## Notepad

You can create up to 30 memos.

- 1** Touch  and choose . Touch  and choose Notepad.
- 2** To create a new Note, touch New Note, input the memo and touch  to save.

## World Clock

The World clock function provides time information for major cities worldwide.

**Note:** The first time you use this function, you will be asked to enter the name of your current City.

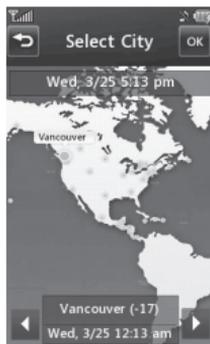
- 1** To add a new City from where you can see the local time, touch  and select **New City**.

# Organizer

- 2 Touch the City in the red box, a list of available cities (in different time zones) will display. From there you can select any time zone to add.
- To make it easier, touch  and It will show the Globe. Touch the continent and choose city you want to know the time.



- You will see its date and time of that city on the bottom side of the screen. Touch  and touch .



## Tasks

This feature allows you to save and manage a task.

- 1 Touch  .
- 2 Input Due Date, Note and Priority for the new Task.
- 3 Touch  to save the Task item.

The following options are available by pressing  in the main Tasks menu:

- **New Task:** Allows you to create a new task.
- **Delete:** Lists all available tasks to be deleted.
- **Send Task Via:** Enables the selected task to be sent via Text Message/Multimedia Message/Bluetooth®.
- **View Calendar:** The calendar window will be displayed and New Tasks are able to be added on a certain date.

## Stopwatch

This menu allows you to record the elapsed time of an event. The duration of an individual lap time (up to 20 times) and the total time can also be displayed.

- **New Time**

1. To start timing, touch



The running time is displayed as HH.MM.SS.hh (hours, minutes, seconds, hundredths of a second).

2. During the timing, you can record an individual lap time by touching  . Up to 20 lap times can be recorded.

# Organizer

3. You can stop timing by touching **Stop** or restart by touching **Start**.
4. To reset the stop watch, touch **Reset**.

- **Saved Times:** You can see the saved times.

## Tip Calculator

This feature allows you to quickly and easily calculate the tip amount based on the total bill as well as the split of the total bill based on the number of people.

## Unit Converter

This function converts any measurement into the unit you want.

There are 6 types of units that can be converted: Area, Length, Weight, Temperature, Volume and Velocity.

To input decimal number, touch **.**.



## Other Files

When you receive files of an undefined format (such as .vcs, .vcf, etc.) via email, the files are saved in this folder.

The following options are available by touching the  menu.

- **Send:** Send the selected file via Bluetooth®, Via Message or To Online Album.
- **Delete:** Allows you to delete the selected file.
- **Move To:** You can move the selected files to the Phone Memory or Memory Card (if applicable).
- **Copy To:** You can copy the selected files to the Phone Memory or Memory Card (if applicable).
- **Rename:** You can edit the name of the selected file.
- **New Folder:** Allows you to make a new folder.
- **Sort by:** You can sort the folders by name, date and type.
- **Delete All:** You can delete all files and folders.
- **Used Space:** You can view internal and external memory status.

## Memory Card

This function shows the files in the external microSD™ card memory.

# Settings

## Call

Touch  and the  tab, then choose .

## Call Forwarding

When this network service is activated, you can direct your incoming calls to another number, for example, to your voice mailbox number. For details, contact Rogers. Select one of the call forwarding options, for example, select If Busy to divert voice calls when your number is busy or when you reject an incoming call.

The following options are available:

- **All Voice Calls:** Forwards voice calls unconditionally.
- **If Busy:** Forwards voice calls when the phone is in use.
- **If No Answer:** Forwards voice calls which you do not answer.
- **If Out of Reach:** Forwards voice calls when the phone is switched off or out of coverage.
- **Deactivate All:** Turns Off all call forwarding options so that all incoming calls are received by your handset.

## Call Barring

The ability to restrict outgoing and incoming calls.

- **All Outgoing**
- **Outgoing International**
- **Outgoing International Except Home Country**
- **All Incoming**
- **Incoming When Roaming**

Enter the call barring password. Please check with your network operator for this service.

## Send My Number

This network service allows you to set your phone number to be displayed **On** or hidden **Off** from the person you are calling. You can select **Set by Network** if you prefer to have different settings for different service providers.

## Auto Redial

Select **On**, your phone redials the number you're trying to call up to 10 times after you hear a quick and busy signal. Press  to stop the call attempts.

This feature attempts to redial numbers that are engaged due to the wireless network. It does not redial numbers to an engaged party.

**Note:** There will be no alert indicating the call has been connected. You must stay on the line to hear when the call is connected.

# Settings

## Answer Mode

This allows you to determine how to answer the phone.

- **Any Key:** You can answer an incoming call by Pressing the , the  multi tasking key or qwerty key.
- **Send Key Only:** You can only answer an incoming call by pressing the  key.

## Minute Minder

This option allows you to specify whether the phone will beep every minute during a call to keep you informed of the length of the call.

## Select Line

This feature about Alternate Line Service, supporting two different phone numbers on your mobile. You can select Line1 or Line2, and check the current line number in the upper left corner of the screen.

  (Quick mode)

You can switch the line by pressing and holding down the [Pound] key.

## Call Waiting

The network will notify you of a new incoming call while you have a call in progress. Select Activate to request the network to activate call waiting, or select Deactivate to request the network to deactivate call waiting or View Status, to check if the function is activated or not.

## Call Reject

This menu allows you to turn On or Off Call Reject for all numbers or the numbers in the Call Reject List.

- **Call Reject On/Off:** This feature allows you to choose whether to reject incoming calls, or calls from specific phone numbers. When the **Reject All Calls** option is set, all incoming calls are routed directly to Voicemail. **Reject on List** allows you to enable Call Reject for the numbers saved on your Call Reject List.

- **Call Reject List:** After touching , you can add to the call reject list by selecting [Contact List] or [New Number]. The numbers in the Call Reject list can be added by entering numbers directly or copying the numbers from the Contact List.

## Send DTMF Tones

Select from  / .

## TTY

Select from TTY Full/TTY Talk/TTY Hear/TTY Off.

## Video Call

# Settings

## Date & Time

Touch , and the  tab, then choose .

- **Set Date:** This allows you to enter the day, month and year. You can change the date format via the Date Format menu option.  
ddd, MMM DD (day, month date)  
MM/DD/YYYY (month/date/year)  
DD/MM/YYYY (date/month/year)  
YYYY/MM/DD (year/month/date)
- **Set Time:** This allows you to enter the current time. You can choose the time format via the Time Format menu option, which are 12 Hours and 24 Hours. Also you can set Daylight Saving Time for 1 Hour or 2 Hours.
- **Auto Update:** Select  to set the phone to automatically update the time and date according to the current local time zone.

## Audio & Ring Tunes

Touch , and the  tab, then choose .

### Get New Ring Tunes

Connects to Roger's Ringtone Shops.

### Volume

This menu controls Ringtone & Alerts, Multimedia, Call and Keypad volume.

### Ring Tunes

- **Sounds:** Shows and plays ring tones. You can select your preferred Ringtone by touching the ringtone listed.
- **Alert Type:** Supports 3 ring alert types. Ring, Ring & Vibrate and Ring after Vibration.

- **Increasing Ringtone:** Allows you to select an Increasing Ringtone type which is played when you receive an incoming call. You can select to turn this **ON** and **OFF**.

## Message Tone

- **Sounds:** Shows and plays message tones. You can select your preferred Ringtone by touching the ringtone listed.
- **Alert Type:** Supports 6 message alert types: Ring Once, Ring Every 2 Min., Ring Every 15 Min., Ring & Vibrate, Vibrate and Silent.

**Note:** Full length of music tracks cannot be set as either ringtones or message tones.

## Alert Tone

- **Sounds:** Allows you to select a set of alert tones. Supports 2 alert tone types: **Alert Tone 1** and **Alert Tone 2**.
- **Alert Type:** You can select to turn Alert Tones to Ring or Silent.

## Keypad Tone

This menu option allows you to select a tone that the phone sounds when a key is pressed. You can select an option between **Beep** and **Voice**.

## Power On/Off Tones

You can select to turn Power On/Off Tones to **Ring** or **Silent**.

# Settings

## Display

Touch , and the  tab, then choose .

## Get New Graphics

Connects to Rogers's graphics download site.

## Wallpapers

From this menu you can select to have a picture for a background or no background at all.

## Fonts

You can configure the font size and color of the numbers which appear in the Dialing screen when you make a call.

## Brightness

You can set the brightness of the display screen.

## Backlight Timer

Use this to set the duration of the touch screen backlight and keypad.

## Themes

You can change the whole look of display. Touch the screen and drag it from right to left and touch  to change display theme from Black to White or vice versa.

## Touch

Touch , and the  tab, then choose .

You can customize the Touch settings and change Touchscreen Feedback types such as Vibration, Sound, Vibration & Sound and Silent. Also you can choose Vibration type and adjust its intensity. When you set Sound as Touchscreen Feedback type, you can choose sound type and adjust its volume.

## Phone

Touch , and the  tab, then choose .

## Languages

You can change the language for the display text on your phone. This change will also affect the Language Input mode.

## Auto Screen Lock

This allows you to set the amount of time before your screen is locked automatically.



If you set **When slider is closed** , the screen will be locked automatically when you slide down the phone.

# Settings

## Set Flight Mode

This allows you to use only the phone's features that do not require the use of the wireless network when you are in an airplane or in places where the wireless network is prohibited. If you set the flight mode **ON**, you will be prompted to confirm your selection. After you confirm it by touching **Yes** the Flight mode icon will be displayed on the screen instead of the network signal icon.



- **ON**: You cannot make (or receive) any calls, including emergency calls or use other features that require network coverage.
- **OFF**: Deactivates Flight Mode and re-establishes your wireless connections.

## Auto Rotation

Select whether or not you want the phone to rotate automatically (for example, from Portrait to Landscape Mode). Please note that the phone may not always rotate, depending on what function is currently running.

## Security

Various codes and passwords are used to protect the features and settings of your phone. They are described in the following sections.

- **Phone lock:** You can use a security code to avoid unauthorized use of the phone. If you set phone lock to When Power On, the phone will request a security code whenever you turn the phone on. If you set the phone lock to When SIM Changed, your phone will request a security code only when you change your SIM Card. If you set the phone lock to Lock Phone Now, your phone will be locked immediately.

- **PIN Code Request:** When the PIN code request feature is set to  ON, you must enter your PIN each time you turn the phone on. Consequently, any person who does not have your PIN cannot use your phone without your approval.

**Note:** Before setting the PIN code request feature to Off, you must enter your PIN.

The following options are available:

- ON : You must enter the PIN each time when it is required.
- OFF : The phone connects directly to the network when you switch it on.

# Settings

- **Fixed Dial Number:** This allows you to restrict your outgoing calls to the selected phone numbers, if this function is supported by your SIM Card. The PIN2 code is required.

- **FDN On/Off**

- **ON** : You can only call phone numbers stored in the FDN List. You must enter your PIN2.
- **OFF** : You can call any number.

- **FDN List:** You can enter new FDN entry.

**Note:** Not all SIM Cards have a PIN2. If your SIM Card does not, this menu option is not displayed.

- **Change Codes:** The Change codes feature allows you to change your current password to a new one. You must enter the current password before you can specify a new one. You can change the access codes for: **Security Code, PIN1, PIN2**

## Reset Settings

This function allows you to restore factory settings. To do this, you need the security code.

- **Master Reset:** Restores the settings (e.g.: Audio, Display, Language, Date & Time, Bluetooth® Settings) stored in the handset memory to default values.

- **Master Clear:** Deletes downloaded/user created contents (e.g.: images, videos) from Handset content and the External Memory card.

- **Phone**

Deletes all downloaded/user created Images, Videos & Sounds from the Handset Memory.

Deletes Personal Information stored in the handset memory (e.g.: address book, messages, tasks, alarm, Calendar schedules) to default values.

Restores the settings stored in the handset memory to the default values.

- **Memory Card:** Deletes all contents from the External Memory Card.

## Bluetooth®

Touch , and the  tab, then choose .

Your phone has built-in Bluetooth® wireless technology, which makes it possible for you to connect your phone wirelessly to other Bluetooth® devices such as a hands-free device, PC, PDA, a remote screen or other phones. The devices registered in your phone can only be connected one at a time. (To make a connection to the same type of device or change Bluetooth® preferences, disconnect the existing device first.)

# Settings

You can have a conversation via a cordless Bluetooth® hands-free phone or browse the Internet, wirelessly connected, via a mobile phone.

You can also exchange, for example, business cards, calendar items and pictures.

XMRadio or Music Playing is supported through a Bluetooth® headset.



## **Hands-free profile**

This icon appears when the hands-free profile is used between the hands-free device. This allows you to call using a Bluetooth® connection.



## **A2DP profile**

This icon appears when the A2DP profile is used between the stereo headset device and the phone. This allows you to listen to an audio clip. A2DP is the Advanced Audio Distribution Profile, which provides support for streaming either mono or stereo audio using Bluetooth®.



## **Hands-free + A2DP profile**

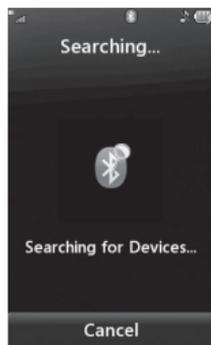
This icon appears when both profiles of the hands-free and the A2DP are used between the compatible device and the phone. This allows you to call and listen to an audio clip using a Bluetooth® connection.

When using each device, see the manual that comes with the device.

**Note:** We recommend that your phone and the Bluetooth® device you are communicating with should be no more than 10 meters apart. The connection may be improved if there are no solid objects between your phone and the other Bluetooth® device.

- **Bluetooth®:** This menu sets the Bluetooth®  ON or  OFF.
- **My Visibility**
  - Selecting the  ON option exposes your phone to other Bluetooth® devices.
  - Selecting  OFF shows your phone to already-paired devices only.

- **Search New Device:** This function allows you to search for and add new devices.
  - **My Devices:** This function allows you to view the list of all devices that are paired with your phone.
- 1 Touch  to search for the device that can be connected, and which is also within a range.



# Settings

- 2 If you want to stop searching, touch **Cancel**.
- 3 All of the devices found are displayed.



Touch the desired device and enter the password. If you would like to search again, touch **Refresh**.

- **My Bluetooth® Info:** This menu allows you to configure the profile for Bluetooth®.
  - **My Device Name:** Allows you to change the handset's name, this can be seen by other Bluetooth® devices.
  - **Supported Services:** Shows you all services that the handset supports.
  - **Primary Storage:** Select from Handset and Memory Card to save data you received using Bluetooth®.

## More

Touch , and the  tab, then choose .

## Connection

### USB Connection Mode

You can transfer files from a compatible PC to the memory in your phone using the Mass Storage.

When you connect the phone to a PC using the USB cable, this will be displayed as a removable disk through Windows Explorer.

The USB Connection Mode determines how your Phone will communicate with other USB devices when they are connected with a USB cable.

## Internet Profiles

This menu shows the Internet Profiles. You can add, delete and edit Internet Profiles by using the  Menu. However, you cannot delete or edit the default configurations provided by Rogers.

## Access Points

This menu shows the Access Points. You can register, delete and edit by using the  Menu. However, you cannot delete or edit the default configurations provided by Rogers.

# Settings

## Network Selection

- Automatic: This function automatically searches for the network and registers the handset to the network.
- Manual: This function enables you to search for the network list and specify which network to attempt registration with.

## Preferred Network Lists

You can select preferred network lists to display it saved in the current SIM Card and can edit the current preferred network list.

\* : Shown only if supported by SIM Card.

## Start Up Guide

This menu will start the animated guide. This guide will help you, using animated visuals, quickly learn some of the functions of your GR500R. For the complete list of Guides in this menu, see page 13.

## Touch Calibration

This menu option will allow you to calibrate your touch screen. Follow the instructions on the screen to complete this task.

## Memory Used Space

This function shows the status of the user memory of the handset.

- **Phone Common:** This will display the memory currently used up in your phone and will categorize it by types of files using the memory.
- **Memory Card:** If your phone has a multimedia memory card in the card slot, you can save images, sounds and videos on the memory card. You can check the current status of the external memory card in the Memory status menu.
- **Phone Reserved:** This function shows the status of the reserved memory for the user (Text Message, Contacts, Calendar, Tasks, Memo).
- **SIM Card:** This function shows the status of the SIM Card user memory.

## Set Storage Defaults

You can assign the default storage to Phone Memory or Memory Card.

## Application Settings

This Menu allows you to adjust the settings to the following features on the phone:

### Messaging

To set the message settings from standby screen, touch .

Touch Message Settings.

For more information regarding

**Message Settings**, please refer to page 58.

### Browser

This menu allows you to customize your Browsing experience by giving you the option of changing the following settings:

# Settings

## Accounts

This includes the network information used to connect the browser to the Internet. Select the desired account by tapping the screen. This will activate the account that will be used for future connections. Rogers Internet is the predefined account that is set as default.



The following options will be available when you touch :

- **Delete:** Allows you to delete the account.
- **Delete all**

**Note:** You cannot edit and delete pre-installed accounts. In order to create a new account, please fill in the network information.

- 1. Account Name:** Name associated with new account.
- 2. Homepage:** Homepage URL.
- 3. Internet Profile:** You can choose one from the Internet profiles.

**Note:**

1. Rogers has provided default settings regarding account information.
2. Creating or editing an account requires caution. The browser cannot connect to the Internet if the account information is incorrect.

**Appearance**

You can choose the settings of the browser appearance (Text size, Encoding, Show Image, Javascript).

**Cache**

The web pages you have accessed are stored in the memory of the phone.

- **Clear Cache:** Remove all cached data in the memory.

**Note:** A cache is a buffer memory, which is used to store data temporarily, especially when it is online.

**Cookies**

The information of services you have accessed are stored in what is called a Cookie.

**Clear Login Info****Rendering Mode**

You can set the Rendering mode to **Standard** or **Text Only**.

**Security**

A list of the available certificates is shown.

- **Certificates:** You can see the list of certificates and view them in detail.
- **Clear Session:** Removes the secure session.

# Settings

## Secure Popup

You can control the pop-up which indicates a secure page or not.

## Browser Shortcut

If this is set to **On**, you can use the browser more quickly and conveniently with the Qwerty key pad in the phone. If Shortcut is on, the following Shortcut keys are available:

|   |   |
|---|---|
|  Enter URL      |  This page     |
|  View Bookmarks |  Page Overview |
|  Full Screen    |  Normal Screen |
|  Page up        |  Recent Pages  |
|  Zoom In        |  Search Text   |
|  Page Down      |  Zoom Out      |

## Voice Command

### • Mode

- **Speed:** voice command is abbreviated
- **Normal:** voice command is played normally

### • Best Match

- **1 Match:** the most likely match will be displayed, finding a number from the Address Book
- **4 Matches:** the four most likely matched names will be displayed, finding names from the Address Book

## • Sensitivity

- **High:** Operation and performance of the voice recognition engine is rarely affected by the user's voice command and surrounding sound.
- **Medium:** Operation of voice recognition engine is normally affected by user's voice command and surrounding sound.
- **Low:** Operation of voice recognition engine is strongly affected by user's voice command and surrounding sound.

## • Speakerphone Mode

- **Automatic On:** When this option is selected, sound is loud enough so you can hear the output when the phone is away from the ear.
- **Off:** When this option is selected, sound is quieter, and can only be heard through the Earpiece.

## • Call Alert

- **Ring only:** Ring repeatedly when you receive a call.
- **Ring After Name:** Tells name of the contact you saved once and then ring repeatedly when you receive a call.
- **Name Repeat:** Tells name of the contact you saved repeatedly when you receive a call.

# Settings

## **Phone Information**

This menu is used to view My Numbers, Manufacturer, Model Name, Device ID, Hardware Version, Software Version, Language and DM Client Version.

## Accessories

There are a variety of accessories available for your mobile phone, some of which may be sold separately. You can select these options according to your personal communication requirements. Consult your local dealer for availability.

### Travel Adapter

This adapter allows you to charge the battery. It supports standard US 120 Volt 60Hz outlets.



### Stereo headset



### Battery

Standard battery is available.



### Data cable and CD

Connect and synchronise your GR500F and PC.



### Note:

- Always use genuine LG accessories. Failure to do this may invalidate your warranty.
- Accessories may be different in different regions; please check with our regional service company or agent for further enquiries.

# For Your Safety

## Important Information

This user guide contains important information on the use and operation of this phone. Please read all the information carefully for optimal performance and to prevent any damage to or misuse of the phone. Any changes or modifications not expressly approved in this user guide could void your warranty for this equipment.

## Before You Start

### Safety Instructions

#### **WARNING**

To reduce the possibility of electric shock, do not expose your phone to high humidity areas, such as the bathroom, swimming pool, etc.

### **Always store your phone away**

**from heat.** Never store your phone in settings that may expose it to temperatures less than 32°F or greater than 104°F, such as outside during extreme weather conditions or in your car on a hot day. Exposure to excessive cold or heat will result in malfunction, damage and/or catastrophic failure.

### **Be careful when using your phone**

**near other electronic devices.** RF emissions from your mobile phone may affect nearby in adequately shielded electronic equipment. You should consult with manufacturers of any personal medical devices such as pacemakers and hearing aides to determine if they are susceptible to interference from your mobile phone.

Turn off your phone in a medical facility or at a gas station. Never place your phone in a microwave oven as this will cause the battery to explode.

**IMPORTANT!** Please read the TIA SAFETY INFORMATION on page 123 before using your phone.

### **Safety Information**

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

- 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 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.
- 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.

## For Your Safety

- 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.
- Use accessories, such as earphones and headsets, with caution. Ensure that cables are tucked away safely and do not touch the antenna unnecessarily.

## **Memory card information and care**

- Always insert/ remove the memory card while the handset power is off. If you remove it while the power is on, it may be damaged.
- If a damage cannot be fixed, format the memory card.
- The memory card cannot be used for recording copyright protected data.
- Do not write forcefully on the memo area.
- Carry and store the memory card in its case.
- Do not allow the memory card to get wet.
- Do not leave the memory card in extremely hot location.
- Do not disassemble or modify the memory card.

# For Your Safety

## 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.

## 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 antenna.

## **Body-worn Operation**

This device was tested for typical body-worn operations with the back of the phone kept 0.79 inches (2cm) between the user's body and the back of the phone. To comply with FCC RF exposure requirements, a minimum separation distance of 0.79 inches (2cm) must be maintained between the user's body and the back of the phone. Third-party belt-clips, holsters, and similar accessories containing metallic components should not be used.

Body-worn accessories that cannot maintain 0.79 inches (2cm) separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

## **Vehicle Mounted External Antenna (optional, if available)**

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

## **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 may cause undesired operation.

# For Your Safety

## Cautions for Battery

- Do not disassemble.
- Do not short-circuit.
- Do not expose to high temperature: 60°C (140°F).
- Do not incinerate.

## Battery Disposal

- Please dispose of your battery properly or bring to your local wireless carrier for recycling.
- Do not dispose in fire or with hazardous or flammable materials.

## Adapter (Charger) Cautions

- Using the wrong battery charger could damage your phone and void your warranty.
- The adapter or battery charger is intended for indoor use only.

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

## Avoid damage to your hearing

- Damage to your hearing can occur if you are exposed to loud sound for long periods of time. We therefore recommend that you do not turn on or off the handset close to your ear. We also recommend that music and call volumes are set to a reasonable level.
- If you are listening to music whilst out and about, please ensure that the volume is at a reasonable level so that you are aware of your surroundings. This is particularly imperative when attempting to cross the street.

# Safety Guidelines

## **TIA Safety Information**

Provided herein is the complete TIA Safety Information for Wireless Handheld phones. Inclusion of the text covering Pacemakers, Hearing Aids, and Other Medical Devices is required in the owner's manual for CTIA Certification. Use of the remaining TIA language is encouraged when appropriate.

## **Exposure to Radio Frequency Signal**

Your wireless handheld portable telephone is a lowpower 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)

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).

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

# Safety Guidelines

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. Always obey them. Also, if using your phone while driving, please:

- 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 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 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.
- If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

## **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.

# Safety Guidelines

## Other Medical Devices

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

## Health Care Facilities

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

## Vehicles

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

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

## Posted Facilities

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

## Aircraft

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

## Blasting Areas

To avoid interfering with blasting operations, turn your phone OFF when in a 'blasting areas 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.

# Safety Guidelines

## 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 impact the battery as it may cause electric shock, short-circuit, and fire. Store the battery in a place out of reach of children.
- 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, MEdia Net Browsing, 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.
- Actual battery life will depend on network configuration, product settings, usage patterns, battery and environmental conditions.

## **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.

- 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.

# Safety Guidelines

- 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 Centre 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 Centre.
- 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 Centre 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 energy (RF) 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 energy (RF) at a level that is hazardous to the user. In such a case, the FDA could require the manufacturers of

# Safety Guidelines

wireless phones to notify users of the health hazard and to repair, replace, or recall the phones so that the hazard no longer exists.

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

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

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

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Occupational Safety and Health Administration (Administración de la seguridad y salud laborales)
- 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 radiofrequency energy (RF) 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,

# Safety Guidelines

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 radiofrequency energy (RF) 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 predisposed 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 longterm 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.

### **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 radiofrequency

# Safety Guidelines

energy (RF). The FDA has been a leading participant in the World Health Organization International Electromagnetic 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 radiofrequency 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 radiofrequency energy (RF) 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 radiofrequency energy coming from wireless phones?**

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radiofrequency energy (RF) 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 tissuesimulating model of the human head. Standardized

# Safety Guidelines

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 radiofrequency 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

radiofrequency energy (RF). 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 radiofrequency energy (RF), 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?**

Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, the FDA helped develop a detailed test method to measure electromagnetic 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

# Safety Guidelines

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 handsfree device. A number of handsfree wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.
3. 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,

## Safety Guidelines

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 nonemergency 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 radiofrequency (RF) energy set by the Federal Communications Commission (FCC)

## Safety Guidelines

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 1.6W/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 0.671 W/kg and when worn on the body, as described in

this user's manual, is 1.18 W/kg. (Body-worn measurements differ among phones 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 BEJGR500R.

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.

\* Product meets current FCC & IC Radio Frequency Exposure Guidelines.

FCC ID BEJGR500R,  
IC ID: 2703C-GR500

# Trouble Shooting

This chapter lists some problems that you might encounter while using your phone. Some problems require that you call your service provider, but most of problems you encounter are easy to correct yourself.

| <b>Message</b>               | <b>Possible causes</b>   | <b>Possible Corrective measures</b>   |
|------------------------------|--|---|
| SIM error                    | There is no SIM card in the phone or you may have inserted it incorrectly.   | Make sure that the SIM card is correctly inserted.  |
| No connection to the network | Signal weak<br>Outside GSM network   | Move higher to a window or open space. Check service provider coverage map.                                 |
| Codes do not match           | When you want to change a security code you have to confirm the new code by entering it again. The two codes that you have entered do not match. | Contact your Service Provider.  |
| Function cannot be set       | Not supported by Service Provider or registration required   | Contact your Service Provider.  |
| Calls not available          | Dialling error<br>New SIM card inserted<br>Charge limit reached  | New network not authorised. Check for new restrictions. Contact Service Provider or reset limit with PIN 2. |

| <b>Message</b>              | <b>Possible causes</b>                | <b>Possible Corrective measures</b>  |
|-----------------------------|---------------------------------------|--|
| Phone cannot be switched on | On/Off key pressed too briefly        | Press On/Off key for at least two seconds.   |
|                             | Battery empty                         | Charge battery. Check charging indicator in the display.   |
|                             | Battery contacts dirty                | Clean contacts.  |
| Charging error              | Battery totally empty                 | Charge battery.  |
|                             | Temperature out of range              | Make sure the ambient temperature is right, wait for a while, and then charge again.                 |
|                             | Contact problem                       | Check power supply and connection to the phone. Check the battery contacts, clean them if necessary. |
|                             | No mains voltage                      | Plug in to a different socket or check voltage.  |
|                             | Charger defective                     | If the charger does not warm up, replace it.   |
|                             | Wrong charger<br>Battery defective    | Only use original LG accessories.<br>Replace battery.  |
| Phone loses network         | Signal too weak                       | Reconnection to another service provider is automatic.   |
| Number not permitted        | The Fixed dial number function is on. | Check settings.  |