

Life's Good...  
when it's green



# GD510 User Guide

ENGLISH

Bluetooth QD ID B015736



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



# GD510 User Guide

Congratulations on your purchase of the advanced and compact GD510 phone by LG, designed to operate with the latest digital mobile communication technology.

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# Getting to know your phone



## Smart key

- Accepts and ends a call.
- Goes to home screen directly.



## Power/Lock key

- Long press for power on/off.
- Short press to turn on/off the screen.



## Side keys

- When the screen is at the Home screen: Ring tone and key tone volume.
- During a call: Earpiece volume.



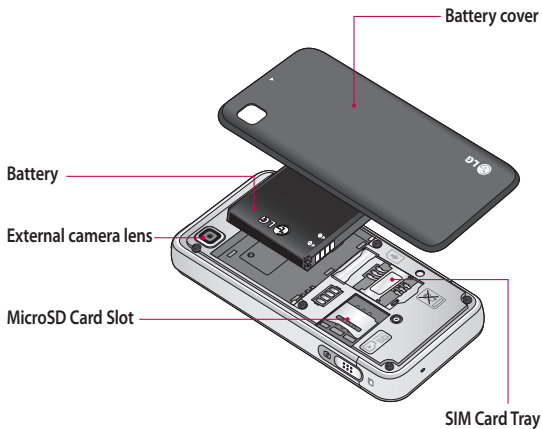
## Camera/Multi-tasking key

- Long press to use the camera.
- Short press to use multi-tasking.

**⚠ WARNING:** Placing a heavy object on the phone or sitting on it while it is in your pocket can damage the phone's LCD and touch screen functionality.



# Open view



# Installing the SIM and battery

## 1 Remove the battery cover

Slide the battery cover towards the bottom of the phone and away from it.

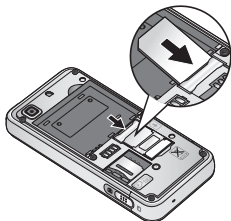


**⚠ WARNING:** Do not use your fingernail to remove the battery.

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

## 2 Install the SIM card

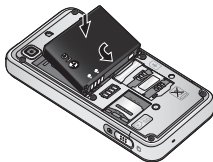
Slide the SIM card into the SIM card holder making sure that the gold contact area on the card is facing downwards. Please make sure the battery is removed from the phone before installing the SIM card. To remove the SIM card, pull it gently outwards.



## 3 Install the battery

Insert the left side of the battery into the top edge of the battery compartment first.

Ensure that the battery contacts align with the phone's terminals. Press the right side of the battery until down it clicks into place.



## Charging your phone

Remove the charger socket cover on the side of your GD510. Connect the Travel Adapter (Charger) and the included USB cable. Connect the USB cable into the phone and plug it into a power socket. Your GD510 must be charged until the "Battery full" message appears on the screen.

**NOTE:** The battery must be fully charged initially to improve battery lifetime. Disregard the first "Battery full" message and keep the phone on charge overnight.



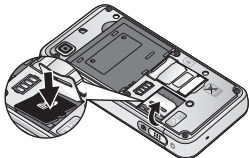
# Memory card

## Installing a memory card

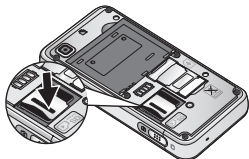
You can expand the memory space on your phone by using a MicroSD memory card.

**NOTE:** A memory card is an optional accessory.

- 1 Remove the battery cover.
- 2 Push the microSD card slot to release lock.
- 3 Flip up the slot.




- 4 Put the microSD card on the card tray. Make sure the gold colour contact area is facing downwards.



- 5 Flip down then push the slot to lock.
- 6 Replace the cover.


## Formatting the memory card

Your memory card may already be formatted. If it isn't, you will need to format it before you can start to use it.

- 1 From the Home screen select , then **Phone settings** in **SETTINGS** tab.
- 2 Touch **Memory info** then choose **External memory**.
- 3 Touch **Format** and then confirm your choice.
- 4 Enter the password, if one is set. Your card will then be formatted and ready to use.









**NOTE:** If there is existing content on your memory card, the folder structure may be different after formatting since all files will have been deleted.

# Menu map









Touch  in the Home screen to open a **Top menu**. From here you can access further menus by scrolling through the icons:

**COMMUNICATION, ENTERTAINMENT, UTILITIES and SETTINGS.**









## COMMUNICATION

-  Messaging
-  MobileMail
-  IM
-  My Account
-  Contacts
-  Call History
-  Dialing
-  Speed dials









## ENTERTAINMENT

-  Camera
-  Games & Apps
-  Media
-  Music
-  Gallery
-  FM radio
-  Video camera
-  Muvee studio

## UTILITIES

-  Internet
-  Shop
-  Yahoo! Search
-  Alarms
-  Organizer
-  Memo
-  Voice recorder
-  Tools

## SETTINGS

-  Profiles
-  Screen settings
-  Phone settings
-  Call settings
-  Bluetooth
-  Touch settings
-  Connectivity
-  Message settings

# Using your touch screen

## Touch screen tips

- To select an item, touch the centre of the icon.
- Do not press too hard. The touchscreen is sensitive enough to pick up a light, firm touch.
- Use the tip of your finger to touch the option you require. Be careful not to touch any other keys.
- Whenever your GD510 is not in use, it will return to the lock screen.

## Control the touch screen

The controls on the GD510 touch screen change dynamically depending on the task you are carrying out.

## Opening Applications

To open any application, simply touch its icon.

## Scrolling

Drag from side to side to scroll.

On some screens, such as the call history list, you can also scroll up or down.



# Your home screen

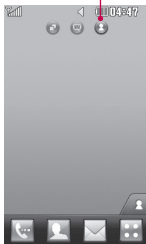
You can drag and click what you need right away in all home screen types.

## Active



**Widget home screen** - When you touch  on the bottom right of the screen, the mobile widget panel appears. When you register widget by dragging it, the widget is created in the spot where it was dropped.

## Active



**Speed dial home screen** - When you touch , the speed dial list appears. You can call, send a message or edit the contact directly in this home screen.

## Active



**Livesquare home screen** - On the Livesquare screen, You can easily make a call and send a message to the number allocated to an avatar. To use the call, messaging or contacts function, select an avatar and choose the **Quick key** icon you want to use.

**TIP!** The User Interface is based on three types of Homescreen. To swap between the home screens just wipe quickly over the display from left to right, or from right to left.

# Your home screen

## The quick keys

The quick keys on your home screen provide easy, one-touch access to the functions you use the most.



Touch to bring up the touch dialing pad to make a call.



Touch to open your **Contacts**. To search for the number you want to call, enter the name of the contact at the top of the screen using the touchpad. You can also create new contacts and edit existing ones.



Touch to access the **Messaging** menu. From here you can create a new SMS or MMS, or view your message folder.













Touch to open the full **Top menu** which is divided into four categories.



## The status bar

The status bar uses various icons to indicate things like signal strength, new messages and battery life, as well as telling you whether your Bluetooth or GPRS is active.

Below is a table which explains the meaning of the icons you're most likely to see in the status bar.

Icon	Description
	Multitasking
	Network signal strength (number of bars will vary)
	No network signal
	Remaining battery life
	Battery empty
	New text message
	New voice message
	Message inbox is full
	Message sending failed
	Multimedia message sending failed


Icon	Description
	An alarm is set
	Customised Profile in use (The number in the icon will vary)
	Normal profile in use
	Outdoor profile in use
	Silent profile in use
	Headset in use
	Call forward
	EDGE in use
	Roaming
	Flight mode is on
	Bluetooth is active
	BGM play
	BGM pause
	Memory card is enabled for use


# Your home screen

## Changing your Status from the status bar

Touch the centre of the status bar to open the Status Summary. It shows the current Time, Network, SVC ID, Battery, Handset memory, External Memory, Profile, MP3s and Bluetooth status. Here you can set the Profile type, play/pause MP3s and activate/deactivate Bluetooth.



## Using the Multi-tasking function


Press the multi-tasking hard key  to open the Multitasking menu. From here you can view all the applications that are running and access them with one touch.

When you have an application running in the background (e.g. a game or the FM radio),  will appear in the status bar.

# Calls



## Making a call

- 1 Touch  to open the keypad.
- 2 Key in the number using the keypad.
- 3 Touch  to initiate the call.
- 4 To end the call, press the Smart key.

**TIP!** To enter + for making an international call, press and hold .


**TIP!** Press the power key to lock the touchscreen to prevent calls being made by mistake.

## Making a call from your contacts

- 1 From the home screen touch  to open the **Contacts**.
- 2 Tap the Name field box on the top of the screen and enter the first few letters of the contact you would like to call using the keypad.
- 3 From the filtered list, touch the Call icon next to the contact you want to call. The call will use the default number if there is more than one for that contact.
- 4 Or, you can touch the contact name and select the number to use if there is more than one for that contact to use. You can also touch  to initiate the call to the default number.

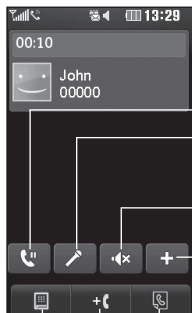
## Answering and rejecting a call

When your phone rings, touch the Smart key to answer the call.


To mute the ringing, slide up the lock screen. This will unlock the phone if it is locked, then tap . This is useful if you forgot to change your profile to Silent for a meeting. Touch **Reject** to reject an incoming call.


# Calls

## In-call options





**Hold** - Touch  to put a call on hold.


**Mute** - Touch  to turn off the microphone so the person you are talking to cannot hear you.

**Speaker** - Touch  to turn the speaker phone off.

**Options** - Touch  to bring up a list of further in-call options.

Touch  to search your contacts during a call.

Touch  to add another person to the call.

Touch  to open a numerical keypad for making a second call. This function also allows you to navigate menus with numbered options when you dial automated telephone services, such as call centres.





**TIP!** To scroll through a list of options or your list of contacts, touch the last item visible and slide your finger up the screen. The list will move up so more items become visible.

## Speed dialing

You can assign a frequently-called contact to a speed dial number.

- 1 Select **Contacts** in the **COMMUNICATION** tab and select **Speed dials**.
- 2 Your voicemail is already set to speed dial 1. You cannot change this. Touch any other number to assign it a speed dial contact.
- 3 Your **Contacts** will open. Select the contact you want to assign to that number by touching their phone number once. To find a contact, tap the Name field box and enter the first letter of the name of the contact required.

## Making a second call

- 1 During your initial call, touch  and type the number you want to call.
- 2 Touch  to connect the call.
- 3 Both calls will be displayed on the call screen. Your initial call will be locked and the caller put on hold.
- 4 To change between the calls, touch  or press the number of the held call.
- 5 To end one or both calls press  and select **End** followed by **All**, **Held** or **Active**.

**TIP!** Touch any single call log entry to view the date, time and duration of the call.

**NOTE:** You will be charged for each call you make.

## Viewing your call logs

Touch **Call** in the **COMMUNICATION** tab.

**TIP!** Touch any single call log entry to view the date, time and duration of the call.

# Calls

## Using Call Forward

- 1 Touch **Call settings** in the **SETTINGS** tab.
- 2 Touch **Call forward**.
- 3 Choose whether to forward all voice calls, when the line is busy, when there is no answer or when you cannot be contacted.
- 4 Enter the number you want to forward to.
- 5 Touch **Request** to activate.

**NOTE:** Charges are incurred for forwarding calls. Please contact your network provider for details.

**TIP!** To turn off all call forwards, select **Deactivate all** from the **Call forward** menu.

## Using Call Waiting

- 1 Touch **Call settings** in the **SETTINGS** tab.
- 2 Touch **Call barring**.
- 3 Choose any or all of the six options:
  - All outgoing**
  - Outgoing international**
  - Outgoing international calls except home country**
  - All incoming**
  - Incoming when abroad**
  - Deactivate all**
- 4 Enter the call barring password. Please check with your network operator about this service.

**TIP!** Select **Fixed dial numbers** from the **Call settings** options to turn on and compile a list of numbers which can be called from your phone. You'll need your PIN2 code from your operator. Only numbers included in the fixed dial list can be called from your phone.

## Changing the common call setting

- 1 Touch **Call settings** in the SETTINGS tab.
- 2 Scroll and touch **Common settings**. From here you can adjust the settings for:

**Call reject** - Slide the switch to **ON** to highlight the Reject list. You can touch the text box to choose from all calls, specific contacts or groups, or those from unregistered numbers (those not in your contacts) or with no caller ID. Touch **Save** to change the setting.

**Send my number** - Choose whether your number will be displayed when you call someone.

**Auto redial** - Slide the switch left for **ON** or right for **OFF**.

**Answer mode** - Choose whether to answer the phone using the send key or any key.

**Minute minder** - Slide the switch left to **ON** to hear a tone every minute during a call.

**BT answer mode** - Select **Hands-free** to be able to answer a call using a Bluetooth headset, or select **Handset** to press a key on the handset to answer a call.

**Save new number** - Select **Yes** to save a new number.

# Contacts

## Adding a new contact

- 1 Touch **Contacts** in the **COMMUNICATION** tab and touch **Add contact**.
- 2 Choose whether to save the contact to your **Handset** or **SIM**.
- 3 Enter your first and last name.
- 4 You can enter up to five different numbers per contact. Each entry has a preset type **Mobile**, **Home**, **Office**, **Pager** and **Fax**.
- 5 Add an email addresses. You can enter up to two different email addresses per contact.
- 6 Assign the contact to one or more groups. You can assign up to three groups per contact. Choose between **No group**, **Family**, **Friends**, **Colleagues**, **School** or **VIP**.
- 7 You can also add a **Ringtone**, **Birthday**, **Anniversary**, **Homepage**, **Home address**, **Company name**, **Job title**, **Company address**, **Memo** and **Livecon**.
- 8 Touch **Save** to save the contact.


## Searching for a contact

There are two ways to search for a contact:

- 1 Touch **Contacts** in the **COMMUNICATION** tab.
- 2 Touch **Search**.
- 3 You see a list of contacts. Typing in the first letter of a contact's name in the **Name** field will jump the menu to that alphabetical area of the list.

**TIP!** The alphabetical keypad is displayed once you tap the **Name** field.

## Creating a group

- 1 Touch **Contacts** in the **COMMUNICATION** tab. And touch **Groups**.
- 2 Touch **Add group** or touch  and select **Add group**.
- 3 Enter a name for your new group. You can also assign a ringtone to the group.
- 4 Touch **Save**.

**NOTE:** If you delete a group, the contacts which were assigned to that group will not be lost. They will remain in your **Contacts**.



## Changing your contact settings

You can adapt your contact settings so that your **Contacts** suits your own preferences.

1 Touch **Contacts** in the **COMMUNICATION** tab and touch **Settings**.

2 From here, you can adjust the following settings:

**Contact list settings** - Adjust the **Contacts location**, **Name display** and **Quick command key** settings.

**Copy** - Copy your contacts from your handset to your SIM or from your SIM to your handset. You can choose one at a time, or all at once.

**Move** - This works in the same way as Copy, but the contact will only be saved to the location you've moved it to.

**Send all contacts via Bluetooth** - Send all of your contacts to another device using Bluetooth. You will be prompted to turn on Bluetooth if you select this option.

**Backup contacts** - Performs a backup your contacts on to the external memory. This option requires external memory.

**Restore contacts** - Restores your contacts from the external memory. This option requires external memory.

**Clear contacts** - Delete all your contacts. Choose between **Handset** and **SIM** and touch **Yes** if you are sure you want to wipe your contacts.

## Viewing information

1 Touch **Contacts** in the **COMMUNICATION** tab and touch **Information**.

2 From here you can view your **Service dial numbers**, your **Own number**, your **Memory info**. (showing your memory usage) and **My business card**.

**TIP!** To add your own business card, select **My business card** and enter your details as you would for any contact. Touch **Save** to finish.


# Messaging

## Messaging

Your GD510 combines SMS and MMS into one intuitive and easy-to-use menu.

### Sending a message


- 1 Touch **Messaging** in the COMMUNICATION tab. And touch **New message** to begin composing a new message.
- 2 Touch **Insert** to add an image, video, sound, template and so on.
- 3 Touch **Recipient** at the bottom of the screen to enter the recipients. Then enter the number or touch  to select a contact. You can even add multiple contacts.
- 4 Touch **Send** when ready.


 **WARNING:** If an image, video or sound is added to an SMS it will be automatically converted to an MMS and you will be charged accordingly.


## Entering text


There are five ways to enter text:

**Keyboard, Handwriting-screen, Handwriting-box, Handwriting-double box.**

You can choose your input method by tapping  and **Input method**.

Touch  to turn on T9 mode. This icon is only shown when you choose **Keypad** as the input method.

Touch  to choose the writing language.

Touch  to change between numbers, symbols and text input.

Use **Shift** key to change between capital or lowercase input.

## T9 mode

The T9 mode uses a built-in dictionary to recognize the words you're writing based on the sequence of keys you've touched. It predicts the word you are inputting and suggests alternatives.

## Handwriting recognition

In Handwriting mode you simply write on the screen and your GD510 will convert your handwriting into your message. Select **Handwriting-Screen** or **Handwriting-Box** according to your preferred view.

## MobileMail

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

## 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 is required to log in and exchange messages as well as check online status.

## Accessing the IM feature

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

## Message folders

There are five folders in Messaging menu.

**Inbox** - All the messages you receive are placed into your inbox.

**Drafts** - If you do not finish writing a message, you can save what you have done in this folder.

**Outbox** - This is a temporary storage folder while messages are being sent.

**Sent items** - All the messages you have sent are placed in this folder.

**My folders** - Create folders to store your messages.

# Messaging

## Changing your text message settings

Touch **Messaging** in the **COMMUNICATION** tab and touch **Settings**. Select **Text message**. You can make changes to:

**Text message centre** - Enter the details of your message centre.

**Delivery report** - Slide the switch left to receive confirmation that your messages have been delivered.

**Validity period** - Choose how long your messages are stored at the message centre.

**Message types** - Convert your text into **Text, Voice, Fax, X.400** or **E-mail**.

**Character encoding** - Choose how your characters are encoded. This impacts the size of your messages and therefore data charges.

**Send long text as** - Choose to send long messages as **Multiple SMS** or as an **MMS**.

## Changing your Picture Message settings

Touch **Messaging** in the **COMMUNICATION** tab. Scroll and choose **Settings** and **Picture Message**. You can make changes to:

**Retrieval mode** - Choose between **Home network** or **Roaming network**. If you then choose **Manual** you will receive only notifications of **MMS** and you can then decide whether to download them in full.

**Delivery report** - Choose to request and/or allow a delivery report.

**Read reply** - Choose to request and/or allow a reply.

**Priority** - Choose the priority level of your **MMS**.

**Validity period** - Choose how long your message is stored at the message centre.

**Slide duration** - Choose how long your slides appear on the screen.


**Creation mode** - Choose your message mode.

**Delivery time** - Choose how long to wait before a message is delivered.

**Multi msg centre** - Choose one from the list or add a new message centre.

## Changing your other settings

Touch **Messaging** in the **COMMUNICATION** tab. And touch **Settings**.

**Voicemail** - Touch  to add a new Voicemail service. Contact your network operator for more information about the service they provide.

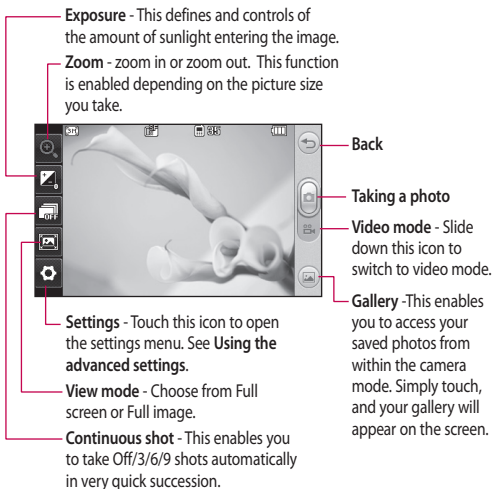
**Service message** - Choose to receive or block service messages. You can also set your message security by creating trusted and untrusted lists of senders in **Service security** option.

**Message counter** - Choose to set period for counting messages.

**Info. service** - Choose whether to turn Cell broadcast on/off and select your channels and languages.




# Camera

## Getting to know the viewfinder



**TIP!** You can bring up the options by tapping the screen. They automatically turn off after a few seconds.


## Taking a quick photo


- 1 Press the  key on the right side of the phone.
- 2 When the camera has focused on your subject, touch the  on the right-center of the screen to take a photo. You can also press the  key on the side of the phone firmly.


**TIP!** To switch to the camera mode or video mode, slide up/down the camera or video icon on the centre-right of the viewfinder.


## After taking a photo

Your captured photo will appear on the screen. The name of the image runs along the bottom of the screen.

 Touch to send the photo as a **Message**.

 Touch to set a Home screen image.

 Touch to edit the photo.


 Touch to delete the photo you have just taken and confirm by touching **Yes**. The “Deleted” message appears.

 Touch to move to your gallery.



# Camera

## Using the advanced settings

From the viewfinder, touch  to open all the advanced settings options.

**Size** - Change the size of the photo to save memory space or take a picture preset to the correct size for a contact. Select a pixel value from the six numerical options: **3M (2048x1536)**, **2M (1600x1200)**, **1M (1280x960)**, **VGA (640x480)**, **Home screen**, **QVGA(320x240)**.

**Colour Effect** - Choose a colour tone to apply to the photo you're taking. There are four colour tone options: **Off**, **Black & White**, **Negative** or **Sepia**.

**White balance** - Choose from **Auto**, **Incandescent**, **Sunny**, **Fluorescent** or **Cloudy**.

**Night mode** - Useful to use in dark places.

**Self-timer** - The self-timer allows you to set a delay before the camera takes the picture, after the capture button is pressed. Choose from **Off**, **3 seconds**, **5 seconds** or **10 seconds**. Great for the group photo you want to be part of.

**Quality** - Choose between **Super fine**, **Fine** and **Normal**. The finer the quality the sharper a photo will be, but the file size will increase. This means you'll be able to store fewer photos in your memory.

**Memory** - Choose whether to save your photos to the Handset memory or to the External memory.

**Show captured image** - Choose to view the picture with options after taking a photo.

**Hide icons** - Choose the camera settings icons to be hidden manually or automatically.

**Shutter sound** - Select one of the three shutter sounds.

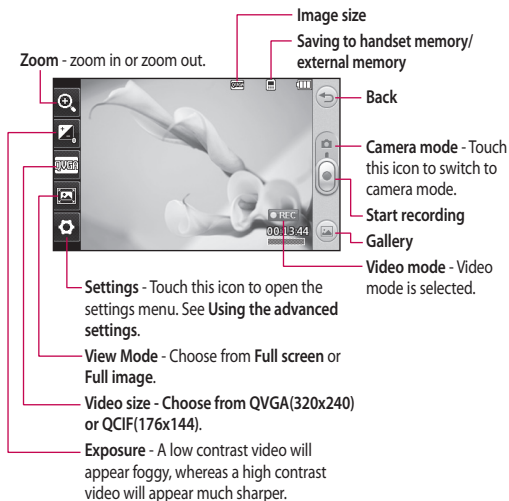
**Grid screen** - Choose from **Off**, **Simple cross** or **Trisection**.

**Reset settings** - Reset all the camera settings.



# Video camera

## Getting to know the viewfinder









**TIP!** You can close all shortcut options for a clearer viewfinder screen. Simply touch the centre of the viewfinder once. To recall the options, touch the screen again.

# Video camera

## Making a quick video

- 1 Press the camera key on the right side of the phone for a few seconds.


**TIP!** To switch to the camera mode or video mode, slide up/down the camera or video icon on the right centre of the viewfinder.


- 2 Holding the phone horizontally, point the lens towards the subject of the video.
- 3 Press the camera key  on the phone once to start recording. Or touch the red dot .
- 4 **Rec** will appear at the bottom of the viewfinder with a timer at the bottom showing the length of the video.
- 5 To pause the video, touch  and resume by selecting .
- 6 Touch  on screen or press the  a second time to stop recording.


## After making a video


A still image representing your captured video will appear on the screen. The name of the video runs along the bottom of the screen together with seven icons down the left and right sides .

 Touch to play the video.

 Touch to send the video as a **Message**.

 Touch to delete the video you have just took and confirm by touching **Yes**. The viewfinder will reappear.

Touch  to shoot another video straight away.

 Touch to view a gallery of saved videos and images.



## Using the advanced settings

From the viewfinder, touch **Settings** to open all the advanced settings options.

**Colour Effect** - Choose a colour tone to use on your new video. **Off, Black & White, Negative, Sepia.**

**White balance** - The white balance ensures that any white in your videos is realistic. In order for your camera to correctly adjust the white balance, you may need to determine the light conditions. Choose from **Auto, Incandescent, Sunny, Fluorescent** or **Cloudy**.

**Quality** - Choose between **Super fine, Fine** and **Normal**. The finer the quality, the sharper a video will be, but the file size will increase. As a result, you will be able to store fewer videos in the phone's memory.

**Duration** - Set a time limit for your video. Choose whether to send the video as an MMS.

**TIP!** If you choose MMS duration, choosing a lower image quality will enable you to shoot a longer video.

**Memory** - Choose whether to save your videos to the Handset memory or to the External memory.




**Voice** - Choose whether or not to record a video with sound.

**Hide icons** - Choose the camera settings icons to be hidden manually or automatically.

**Reset settings** - Reset all the video camera settings.





# Your photos and videos

## Viewing your photos and videos

- 1 Touch **Gallery** in the ENTERTAINMENT tab. Or Touch  on your camera preview screen. You can check your pictures and videos.
- 2 Your gallery will appear on the screen.
- 3 Touch the video or photo to open it fully.
- 4 To play the video touch . To pause playback touch .

**TIP!** Flick left or right to view other photos or videos.

## Capturing an image from a video

- 1 Select the video you would like to capture an image from.
- 2 Touch  to pause the video on the frame you'd like to convert to an image and touch the upper left side of the screen to open the  menu.
- 3 From the options menu select .
- 4 The image will appear on the screen, with its image name.
- 5 Touch  to return to the video.
- 6 The image will be saved in your **Media** folder and appear in the gallery.



**WARNING:** Some functions will not work properly if the multimedia file has not been recorded on the phone.

## Viewing your photos as a slide show


Slideshow mode will show all the photos in your gallery one at a time as a slideshow. Videos can not be viewed as a slideshow.


1 Touch  in the **Gallery**, then scroll and select **Slide show**.


2 The slideshow will begin.

There are options within slideshows:

Touch  to go back.

 Touch to pause the slideshow on a particular photo.

 Touch again to resume playback.

 Touch to show random.

 Touch to increase or decrease the speed of the slideshow.


## Setting a photo as wallpaper

1 Touch **Gallery** in the ENTERTAINMENT tab.

2 Touch the photo you would like to set as wallpaper.

3 Touch the screen to open the menu.

4 Touch .


5 You can change the size of the picture with .

6 When you are happy with the picture touch **Set**.

7 Choose from the options what you want to change: **All, Widget, Speed dial**.

# Your photos and videos

## Editing your photos

- 1 Open the photo you'd like to edit and touch  to bring up the options.
- 2 Touch the icons to alter your photo:



Move your finger across the screen to select the area.



Draw something on your photo freehand. Select the line thickness from the four options, then the colour you want to use.



Add writing to the picture.



Decorate your photo with stamps. Choose from the different stamps and colours and touch your photo where you want to place them.



Erase whatever you draw. You can also select the eraser size.



Touch to return to the gallery.



Save the changes you have made to the photos. Select to save the changes over the **Original file**, or as a **New file**. If you select **New file**, enter a file name.



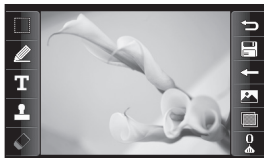
Undo the last effect or edit you made to the photo.



Touch to open the Filter options.



You can adjust the selected photo.



## Adding an effect to a photo

- 1 From the editing screen, touch



- 2 Choose to apply any of the options to the photo:

**Face beautify** - Automatically detect a face in the image and brighten it up.


**Tunnel effect** - Lomo camera effect.

**Colour negative** - Colour negative effect.

**Black and white** - Black and white colour effect.

**Sepia** - Give a Sepia effect.

**Blur** - Give a blurred effect.

**Sharpen** - Move the marker along the bar to sharpen the focus of the photo. Select **OK** icon to apply the changes or choose  to cancel.

**Mosaic blur** - Touch to apply a blurred mosaic effect to the photo.

**Oil painting** - Give an Oil painting effect.

**Sketch** - Apply an effect that makes the picture look like a sketch.

**Emboss** - Give an Emboss effect.

**Solarize** - Change the effect of exposure to the light.

**Vivid** - Give an effect of clearness and brilliance.


**Moonlight** - Change the light to look like moonlight.

**Antique** - Give an old-looking effect.

**Glow** - Give a light beam effect.

**Cartoon** - Give a cartoon effect.

**Water color** - Give a watercolour effect.

- 3 To undo an effect simply touch **Undo** .

# Media

You can store any multimedia files on your phone's memory so that you have easy access to all your pictures, sounds, videos and games. You can also save your files to a memory card. Using a memory card allows you to release space in your phone's memory. You can find these files in the menu **Media** in the ENTERTAINMENT tab.

## Images

**Images** contains a list of pictures including default images pre-loaded onto your phone, images downloaded by you and images taken on your phone's camera.

## Sending images

- 1 Touch **Media** in the ENTERTAINMENT tab and select **Images**. Select the picture you want.
- 2 Touch **Send** and choose from **Multimedia message**, **Bluetooth**.


## Using an image

You can choose images to use as wallpapers and the lock screen or even to identify a caller.

- 1 Touch **Media** in the ENTERTAINMENT tab and select **Images**. Select the picture you want. And touch .
- 2 Touch **Use as** and choose from:
  - Homescreen image** - Set a wallpaper for the home screen.
  - Lock screen image** - Set a wallpaper for the lock screen.
  - Contacts image** - Allocate an image to a particular person in your contacts list so that their picture shows when they call you.
  - Start up image** - Set an image to appear when you switch the phone on.
  - Shut down image** - Set an image to appear when you switch the phone off.




## Printing an image

- 1 Touch **Media** in the ENTERTAINMENT tab and select **Images**. Select the picture you want. And touch .
- 2 Touch **Print** then choose between **Bluetooth** and **PictBridge**.

**TIP!** You can print via bluetooth or by connecting to a PictBridge compatible printer.

## Moving or copying an image

You can move or copy an image between the phone memory and the memory card. You might want to do this to either free some space in one of the memory banks or to safeguard your images from being lost.

- 1 Touch **Media** in the ENTERTAINMENT tab, select **Images** and touch .
- 2 Select **Move** or **Copy**.
- 3 You can mark/unmark the images by tapping it sequentially. Mark the image that you want to move or copy and touch **Copy/Move**.

## Sounds

The **Sounds** contains a list of sounds including the downloaded sounds, default sounds and voice recordings. From here you can manage or send sounds or set them as a ringtone.

### Using a sound

- 1 Touch **Media** in the ENTERTAINMENT tab and select **Sounds**.
- 2 Touch  and select **Use as**.
- 3 Choose from **Ringtone**, **Message tone**, **Start-up** and **Shut down**.

## Videos


The **Videos** shows a list of downloaded videos and videos you have recorded on your phone.

### Watching a video

- 1 Touch **Media** in the ENTERTAINMENT tab and select **Videos**.
- 2 Select a video to play.

# Media

## Sending a video clip

- 1 Select a video.
- 2 Touch  then **Send** and choose from **Message, Bluetooth**.

## Games & Apps

You can install new games and applications on your phone to keep you amused when you have spare time.

You can also access this using the menu **Games & Apps** in the **ENTERTAINMENT** tab.

## Playing a game

- 1 Touch **Games & Apps** in the **ENTERTAINMENT** tab.
- 2 Select **Games**, then choose a game to launch.

## Documents

From the **Documents** menu in **My stuff**, you can view all your document files. From here, you can view your Excel, PowerPoint, Word, Text and pdf files.

## Transferring a file to your phone

Bluetooth is probably the easiest way of transferring a file from your computer to your phone. You can also use the LG PC Suite via your sync cable.

### To transfer using Bluetooth:

- 1 Make sure your phone and computer have Bluetooth switched on and are visible to one another.
- 2 Use your computer to send the file via Bluetooth.
- 3 When the file is sent you will have to accept it on your phone by touching **Yes**.
- 4 The file should appear in **My folder** as a default, the second tab in **Media**. You may overlook the file if the folder is full.




## Others

The **Others** contains a list of the files which are not pictures, sounds, videos, documents, games or applications.

## Muvee studio

You can create a music video.

## Creating a movie

- 1 Scroll and touch **Muvee studio** in the ENTERTAINMENT tab.
- 2 Touch  to add an image. Tap the checkbox for the images you want to include, then select **Insert**.
- 3 Touch the style tab to choose a Muvee style. The default style is **Classic Sepia**.
- 4 Touch **Default sound** to change the sound.
- 5 Touch  to see what you've created.
- 6 Touch  then **Play order** to create an order. You can make it random or sequential.
- 7 Touch  then **Save Location** to choose where to save the movie.

## Music

Your LG GD510 has a built-in music player so you can play all your favourite tracks. To access the music player, touch **Music** in the ENTERTAINMENT tab. From here, you can access a number of folders:

**NOTE:** The copyright of music files can be protected by international treaties and national copyright laws. It may be necessary to obtain permission or a license to reproduce or copy music. In some countries national law prohibits private copying of copyrighted material. Before downloading or copying the file, please check the national legislation of the applicable country concerning the use of such material.

**Recently played** - Plays the songs you have played recently.

**All tracks** - Contains all the songs you have on your phone except the pre-loaded default music.

**Artists** - Browse through your music collection by artist.

**Albums** - Browse through your music collection by album.

**Genres** - Browse through your music collection by genre.

# Media

**Playlists** - Contains all the playlists you have created.

**Shuffle tracks** - Play your tracks in a random order.





## Transferring music onto your phone

The easiest way to transfer music onto your phone is via Bluetooth or your sync cable.

You can also use LG PC Suite. To transfer using Bluetooth:

- 1 Make sure both devices have Bluetooth switched on and can see each other.
- 2 Select the music file on the other device and choose to send it via Bluetooth.
- 3 When the file is ready to be sent you should accept it on your phone by touching **Yes**.
- 4 The file should appear in **Music > All tracks**.

## Playing a song

- 1 Touch **Music** in the ENTERTAINMENT tab.
- 2 Select one of the folders and the song you want to play.
- 3 Touch  to pause the song.
- 4 Touch  to skip to the next song.
- 5 Touch  to go back to the previous song.
- 6 Touch  to return to the **Music** menu. You may touch more than once to return to the menu.

## Creating a playlist

You can create your own playlists by choosing a selection of songs from the **Playlists** folder.

- 1 Touch **Music** in the ENTERTAINMENT tab.
- 2 Touch **Playlists**, then **Add new playlist**, enter the playlist name and touch **Save**.
- 3 The **All tracks** folder will show all the songs in your phone. Touch all of the songs that you would like to include in your playlist; a tick will show next to the track names.
- 4 Touch **Done**.

## FM Radio


Your LG GD510 has an FM radio feature so you can tune into your favourite stations to listen on the move.

**NOTE:** You will need to attach your headphones to listen to the radio. Insert them into the headphone socket (this is the same socket that you plug your charger into).

## Searching for stations

You can tune your phone to radio stations by searching for them either manually or automatically. They will then be saved to specific channel numbers, so you don't have to keep re-tuning. You must first attach the headset to the phone as this acts as the aerial.

### To auto tune:

- 1 Scroll and touch **FM radio** in the ENTERTAINMENT tab, then .
- 2 Touch **Auto scan**. A confirmation message appears. Select **Yes**, then the stations will be automatically found and allocated to a channel in your phone.


**NOTE:** You can also manually tune into a station by using ◀ and ▶ displayed in the centre of the screen. If you press and hold ◀ and ▶, the stations will be automatically found.

## Resetting channels

- 1 Scroll and touch **FM radio** in the ENTERTAINMENT tab, then .
- 2 Choose **Reset channel** to reset the current channel or choose **Reset all channels** to reset all of the channels. Each channel will return to the starting 87.5Mhz frequency.

# Utilities

## Adding an event to your calendar

- 1 Touch **Organizer** in the UTILITIES tab and select **Calendar**.
- 2 Select the date you would like to add an event to.
- 3 Touch  then **Add event**.
- 4 Touch **Category** then choose from **Appointment**, **Anniversary** or **Birthday**.
- 5 Enter **Subject**.
- 6 Check and enter the date and the time you would like your event to begin. For **Appointment** and **Anniversary** enter the time and date your event finishes in the lower two time and date boxes. Enter the location if it is an **Appointment**.
- 7 Set **Alarm** and **Repeat**.
- 8 Select **Save** and your event will be saved in the calendar. A square cursor will mark the day that any events have been saved to and a bell will ring at the start time of your event, so that you can stay organized.

## Adding an item to your to do list

- 1 Touch **Organizer** in the UTILITIES tab.
- 2 Select **To do** and touch **Add to do**.
- 3 Set the date for the task, add notes and select a priority level: **High**, **Medium** or **Low**.
- 4 Save your task by selecting **Save**.

## Using date finder


**Date finder** is a handy tool to help you calculate what the date will be after a certain amount of days has passed. For example, 60 days from 10.10.07 will be 09.12.2007.

- 1 Touch **Organizer** in the UTILITIES tab.
- 2 Select **Date finder**.
- 3 Set the required date in the **From** tab.
- 4 Set the number of days in the **After** tab.
- 5 The **Target date** will be shown below.

## Adding a memo

- 1 Touch **Memo** in the UTILITIES tab.
- 2 Touch **Add memo**.
- 3 Type your memo, then touch **Save**.
- 4 Your memo will then appear on the screen in the **Memo** application.

## Setting your alarm


- 1 Touch **Alarms** in the UTILITIES tab.  
**Widget alarm** should appear in the list as default and you cannot delete it.
- 2 Touch **Add alarm**.
- 3 Set the time you would like the alarm to sound in the **Time** field box.
- 4 Choose how you would like your alarm to repeat in the **Repeat** box: **Not repeated**, **Daily**, **Mon ~ Fri**, **Mon ~ Sat**, **Sat ~ Sun**, **Except holiday** or **Choose weekday**.  
The icons then indicate the weekday you select.
- 5 Select **Alarm type** to select the type of alarm you want.
- 6 Choose **Alarm bell** and select a sound from the folder. To listen to sounds, touch the sound, followed by .

- 7 Add a memo for the alarm in the **Memo** box.
- 8 Finally, you can set the snooze interval to 5, 10, 20, or 30 minutes, 1 hour or off.
- 9 Once you have set your alarm, touch **Save**.

**NOTE:** You can set up to 5 alarms including **Widget alarm**.

**TIP!** Slide the switch **ON/OFF** to the alarm to set it.


## Adding a memo with the drawing panel

- 1 Scroll and touch **Tools** in the UTILITIES tab .
- 2 Touch **Drawing Panel** and Add drawing.
- 3 Draw your memo on the touch screen LCD followed by .
- 4 Touch **Yes**, then your memo will appear on the screen in the **Drawing Panel** application.

# Utilities

## Voice recorder

Use your voice recorder to record voice memos or other audio files.





Touch **Voice recorder** in the UTILITIES tab and select , then **Settings** to change Settings:

**Duration** – Set the recording duration. Choose from **No limit**, **MMS msg. size** or **1 min.**


**Quality** – Select the sound quality. Choose from **Super fine**, **Fine** or **Normal**.

**Memory in use** – Select where to save the audio files. Choose between External memory and Handset memory.

## Recording a sound or voice

- 1 Touch  to begin recording.
- 2 Touch  to pause recording.
- 3 Touch  to end recording.
- 4 Touch  to listen to your recording.

## Using your calculator



- 1 Touch **Tools** in the UTILITIES tab.
- 2 Select **Calculator**.
- 3 Touch the numeric keys using the keypad to input numbers.
- 4 For simple calculations, touch the function you require (+, −, ×, ÷), followed by =.
- 5 For more complex calculations, touch  and choose from **sin**, **cos**, **tan**, **log**, **ln**, **exp**, **sqrt**, **deg** or **rad** etc.

## Converting a unit

- 1 Touch **Tools** in the UTILITIES tab.
- 2 Select **Unit converter**.
- 3 Choose whether you would like to convert **Currency**, **Surface**, **Length**, **Weight**, **Temperature**, **Volume** or **Velocity**.
- 4 You can then select the unit, and enter the value you would like to convert from, followed by the unit you would like to convert to.
- 5 The corresponding value will appear on the screen.



## Adding a city to your World clock

- 1 Touch **Tools** in the UTILITIES tab.
- 2 Select **World clock**.
- 3 Touch the , followed by **Add city**.
- 4 Scroll the globe, touch the area you want and choose the city on the map.
- 5 Or touch the  and type the name of the city you require in the search field box.


## Using the stopwatch

- 1 Touch **Tools** in the UTILITIES tab.
- 2 Select **Stopwatch**.
- 3 Touch **Start** on the bottom of the screen to begin the timer.
- 4 Touch **Lap** if you want to record a lap time.
- 5 Touch **Stop** to end the timer.
- 6 Touch **Resume** to restart the stopwatch at the time you stopped it at, or touch **Reset** to begin the time again.


# PC Sync

You can synchronize your PC with your phone to make sure all your important details and dates match. You can also backup your files to put your mind at ease.

## Installing LG PC Suite on your computer

- 1 From the Home screen press  and select **Connectivity** on the **SETTINGS** tab.
- 2 Select **USB connection mode** and touch **PC Suite**.
- 3 Connect the handset and PC via USB cable and wait for a while. Installation guide message will be displayed.
- 4 Follow the instructions on the screen to complete the LG PC Suite Installer wizard.
- 5 Once installation is completed, the LG PC Suite icon will appear on your desktop.

## Connecting your phone and PC

- 1 From the Home screen press  and select **Connectivity** on the **SETTINGS** tab.
- 2 Select **USB connection mode**.
- 3 Touch **PC Suite**.
- 4 Connect the handset and PC via USB cable and wait for a while. PC Suite runs automatically.

## Backing up and restoring the information on your phone

- 1 Connect your phone to your PC as outlined above.
- 2 Click on the **Backup** icon, and select **Backup** or **Restore**.
- 3 Mark the content you would like to backup or restore. Select the location you would like to backup information to, or restore information from. Click **Start** icon.
- 4 Your information will be backed up or restored.

## Viewing phone files on your PC

- 1 Connect your phone to your PC as outlined previously.
- 2 Click on the **Manage Files** icon.
- 3 All the documents, flash contents, images, sounds and videos you have saved onto your phone will be displayed on the right side of the screen.

**TIP!** Viewing the contents of your phone on your PC helps you to arrange files, organize documents and remove content that you no longer need.

## Synchronizing your contacts

- 1 Connect the phone to your PC.
- 2 Click on the **Manage Contacts** icon.
- 3 Your PC will now import and display all contacts saved to your SIM card and handset.
- 4 Click on **File** and select **Save**. You can now select the target and where you want to save your contacts to.

**NOTE:** To backup contacts saved to your SIM card, click on the SIM card folder on the left side of your PC screen.

Right-click your contacts and then **Select All**.

Right-click at the same position and select **Copy to Phone Memory**. Now click on the handset folder on the left side of the screen and all your numbers will be displayed.

# PC Sync


## Synchronizing your messages

- 1 Connect the phone to your PC.
- 2 Click on the **Messages** icon.
- 3 All your phone messages will be displayed in the folders on the screen.
- 4 Click the title of the columns to rearrange messages sorted by **Sender**, **Contents** and **Received date**.

## Using your phone as a Music Sync device

Your Phone can be used as a Music Sync device for Sync Music Files only.

Music Sync can be carried out using Windows Media Player 10/11 and supports both Handset Memory and an External Memory Card.

- 1 Disconnect your phone from your PC.
- 2 From the Home screen select , and then select **Connectivity** on the SETTINGS tab.
- 3 Select **USB connection mode**.
- 4 Touch **Music sync**.
- 5 Connect the phone to your PC. Your phone will read: **Connected**.

# The web

## Accessing the web

- 1 Touch the **Internet** in UTILITIES tab.
- 2 To go straight to the Internet home page, select **Home**. Alternately, select **Enter address** and type in the URL, followed by **Connect**.

**NOTE:** An additional cost is incurred when connecting to this service and downloading content. Check your data charges with your network provider.

## Adding and accessing your bookmarks

For easy and fast access to your favourite websites, you can add bookmarks and save web pages.


- 1 Touch **Internet** in the UTILITIES tab.
- 2 Select **Bookmarks**. A list of your Bookmarks will appear on the screen.
- 3 To add a new bookmark, touch **Add bookmark**. Enter a name for your bookmark followed by the URL in the corresponding field box.
- 4 Touch **Save**. Your Bookmark will now appear in the list of bookmarks.
- 5 To access the bookmark simply touch the Connect icon next to the bookmark or touch the bookmark title and then touch **Connect**. You will be connected to your bookmark.

# The web

## Using RSS reader

RSS (Really Simple Syndication) is a family of web feed formats used to publish frequently updated content such as blog entries, news headlines or podcasts. An RSS document, which is called a feed, web feed, or channel, contains either a summary of content from an associated web site or the full text. RSS makes it possible for people to keep up with their favourite web sites automatically. It is much easier than checking them manually. The user subscribes to a feed by entering the feed's link into the reader or by clicking an RSS icon in a Internet that initiates the subscription process. The reader checks the user's subscribed feeds regularly for new content, downloading any updates that it finds.

## Saving a page

- 1 Access your required webpage as described above.
- 2 Touch  and select **Save this page**.
- 3 Enter a name for the webpage so you can easily recognize it.
- 4 Touch **Save**.

## Accessing a saved page

Touch **Internet** in the UTILITIES tab. And select **Saved pages**. You can view the saved pages here.

## Viewing your Internet history

Touch **Internet** in the UTILITIES tab. And select **History**.

## Changing the web Internet settings

Touch **Internet** in the UTILITIES tab. And select **Settings**.

You can choose to edit **Profiles**, **Appearance settings**, **Cache**, **Cookies** or **Security** settings.

## Using your phone as a modem

Your GD510 can double as a modem for your PC, giving you email and internet access even when you can't connect using wires. You can use either the USB cable or Bluetooth.

### Using the USB cable:

- 1 Ensure you to have the LG PC Suite installed on your PC.
- 2 Connect your GD510 and your PC using the USB cable as outlined previously and launch the LG PC Suite software.
- 3 Click **InternetKit** on your PC. Then click **New** button and select **Modem**.
- 4 Choose **LG Mobile USB Modem** and select **OK**. It will now appear on screen.
- 5 Write the Profile that can connect to the Internet and save the values.
- 6 The profile that you create will appear on your PC screen. Select it and click **Connect**.  
Your PC will connect through your GD510.

### Using Bluetooth:

- 1 Ensure Bluetooth is switched **On** and **Visible** for both your PC and GD510.
- 2 Pair your PC and GD510 so that a passcode is required for connection.
- 3 Use the **Connection wizard** on your LG PC Suite to create an active Bluetooth connection.
- 4 Click **Internet Kit** on your PC. Then click **New** button.
- 5 Choose **LG Mobile USB Modem** and select **OK**. It will now appear on screen.
- 6 Write the Profile that can connect to the Internet and save the values.
- 7 The profile that you create will appear on your PC screen. Select it and click **Connect**.  
Your PC will connect through your GD510.

# Settings

## Personalizing your profiles

You can quickly change your profile on the Home screen.

You can personalize each profile setting using the settings menu.

- 1 Touch **Profiles** in the SETTINGS tab.
- 2 Choose the profile you want to edit.
- 3 You can then change all the sounds and alert options available in the list, including your **Ringtone** and **Volume**, **Message tone** settings and more.

## Changing your screen settings

Touch **Screen settings** in SETTINGS tab.

### Screen settings

**Wallpaper** - Choose the theme for your home screen or lock screen.

**Livesquare** - Touch **Livesquare guide** to check its functions.

**Handset theme** - Choose the theme for menus. You can also adjust the font size and style.

**Top menu** - Choose the style of the top menu, choose either **Zigzag** or **Scrolling**.

**Dialing** - Adjust the number colour.

**Brightness** - Adjust the screen brightness.

**Greeting message** - Choose **ON** or **OFF** and fill in the greeting message in the text field.

**Start-up/Shut down** - Choose the theme for your start-up/shut down screen.

**NOTE:** The longer the backlight is on, the more battery power is used. This may result in your needing to charge your phone more often.



## Changing your phone settings

Enjoy the freedom of adapting how your GD510 works for your own style.

Touch **Phone settings** in the SETTINGS tab, then choose from the list below.

### Phone settings

**Date & Time** - Adjust your date and time settings or choose whether to update the time automatically or to use the daylight saving option.

**Power save** - Choose to switch the factory set power saving settings on/off or Night only.

**Languages** - Change the language of your GD510's display.

**Motion silent** - Make the GD510 go into the mute or snooze settings by flipping it over when it is ringing.

**Auto keylock** - Lock the keypad automatically in the Home screen.

**Security** - Adjust your security settings, including PIN codes and handset lock.

**Memory info** - See **Using memory manager** for more information.

**Reset settings** - Restores all settings to their factory defaults.

**Information** - Select **Help** to view the technical information for your GD510. And you can upgrade software with **Handset information**.

## Changing your connectivity settings

Your connectivity settings have already been set up by your network operator, so you can enjoy your new phone immediately. To change any settings, use this menu:

Touch **Connectivity** in the SETTINGS tab.

### Network settings

**Select network** - If you select **Automatic**, the GD510 automatically searches for the network and registers the handset to the network. This is recommended for best service and quality.

If you select **Manual**, all the currently available networks are shown and you can select one of them for registration.

# Settings

**Preferred lists** - You can add a preferred network to connect to. If the network is searching automatically, simply choose one from the network list and if not, add a new network manually.

**Internet profiles** - This menu shows the Internet profiles. You cannot delete or edit default configurations depending on your country variant.

**Access points** - Your network operator has already saved this information. You can add new access points using this menu.

**Packet data conn.** - Choose when your device should be connected to network for packet data.

**USB connection mode** - Choose a Data service from the options and synchronize your GD510 using the LG PC Suite software to copy files from your phone. See **PC Sync** for more information on synchronization. If you use Music sync with Windows Media Player, select **Music sync** in this menu. **Music sync** is only available for music content.

## Using memory manager

Your GD510 has three memories available: the phone, the SIM Card and an external memory card.

You can use memory manager to see how each memory is been used and see how much space is available.

Touch **Phone settings** in the **SETTINGS** tab, then **Memory info**.

**Handset common memory** - View the memory available on your GD510 for Pictures, Sounds, Videos, MMS, Java applications and others.

**Handset reserved memory** - View the memory available on your handset for SMS, Contacts, Calendar, To do list, Memo, Alarm, Call history, Bookmarks and Miscellaneous items.

**SIM memory** - View the memory available on your SIM Card.

**External memory** - View the memory available on your external memory card (you may need to purchase the memory card separately).

**Primary storage setting** - Choose the location you prefer items to be saved to between Handset and External memory.

## Sending and receiving your files using Bluetooth

### To send a file:

- 1 Open the file you want to send, typically this will be a photo, video or music file.
- 2 Choose **Send**.  
Choose **Bluetooth**.
- 3 If you have already paired the **Bluetooth** device, your GD510 will not automatically search for other **Bluetooth** devices. If not, your GD510 will search for other **Bluetooth** enabled devices within a range.
- 4 Choose the device you want to send the file to.
- 5 Your file will be sent.


**TIP!** Check the progress bar to make sure your file is sent.

### To receive a file:

- 1 To receive files, your Bluetooth must be both **ON** and **Visible**. See **Changing your Bluetooth settings** below for more information.
- 2 A message will prompt you to accept the file from the sender. Touch **Yes** to receive the file.

- 3 You will see where the file has been saved. For image files, you can choose to **View** the file or **Use as wallpaper**. Files will usually be saved to the appropriate folder in **Media**.

## Changing your Bluetooth settings:

Touch **Bluetooth** in the **SETTINGS** tab. And select  and choose **Settings**.

### Make your changes to:

**My device visibility** - Choose to be **Visible**, **Hidden** or **Visible for 1 min**.

**My device name** - Enter a name for your GD510.

**Supported services** - Select how to use Bluetooth in association with different services.

**Remote SIM Mode** - Turn on or off.

**My address** - Show your Bluetooth address.

# Settings

## Pairing with another Bluetooth device

By pairing your GD510 and another device, you can set up a passcode protected connection.

- 1 Check that your Bluetooth is **ON** and **Visible**. You can change your visibility in the **Settings** menu.
- 2 Touch **Search**.
- 3 Your GD510 will search for devices. When the search is completed, **Refresh** will appear on screen.
- 4 Choose the device you want to pair with and enter the passcode, then touch **OK**.
- 5 Your phone will then connect to the other device, on which you will need to enter the same passcode.
- 6 Your passcode protected Bluetooth connection is now ready.

## Using a Bluetooth headset

- 1 Check your Bluetooth is **On** and **Visible**.
- 2 Follow the instructions that came with your headset to put it in pairing mode and pair your devices.
- 3 Touch **Ask before connect** or **Always connect** and touch **Yes** to Connect now. Your GD510 will automatically switch to Headset profile.

## Software Upgrade

### LG Mobile Phone Software Upgrade Program

For more information on installing and using this program, please visit <http://update.lgmobile.com>. This feature allows you to upgrade your software to the latest version quickly and conveniently on the Internet without needing to visit our service centre. As the mobile phone software upgrade program requires the user's full attention for the duration of the upgrade process, please be sure to check any instructions and notes that appear at each step before proceeding. Please note that removing the USB data communication cable or batteries during the upgrade may seriously damage your mobile phone. As the manufacturer takes no responsibility for loss of data during the upgrade process, you are advised to note down any important information in advance for safekeeping.

# 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.

**Charger**



**Data cable**



**Battery**



**Stereo headset**



## 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 inquiries.

# Technical data

## Ambient Temperatures

Max : +55°C (discharging),  
+45°C (charging)

Min : -10°C

# 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.
- 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.

# For Your Safety

- 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.

## 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 2.0cm (0.79inches) between the user's body and the back of the phone. To comply with FCC RF exposure requirements, a minimum separation distance of 2.0cm (0.79inches) 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 2.0cm (0.79inches) separation distance between the user's body and the back of the

# For Your Safety

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 20cm (8 inches) 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 and Class B digital apparatus requirements for ICES-003. 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.

## 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

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.

# Safety Guidelines

- 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.

## 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.

## **Charger and Adapter Safety**

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

# Safety Guidelines

## 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.
- 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.

## General Notice

- Using a damaged battery or placing a battery in your mouth may cause serious injury.
- Do not place items containing magnetic components such as a credit card, phone card, bank book or subway ticket near your phone. The magnetism of the phone may damage the data stored in the magnetic strip.
- Talking on your phone for a long period of time may reduce call quality due to heat generated during use.

# Safety Guidelines

- 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 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.

# Safety Guidelines

## 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, 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

# Safety Guidelines

high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency 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 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.

# 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 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>)

# Safety Guidelines

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.nrp.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, 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 forward 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

# Safety Guidelines

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) 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 1.07 W/kg and when worn on the body, as described in this user's manual, is 0.70 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 BEJGD510.

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: BEJGD510

IC ID: 2703C-GD510

# 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.

Message	Possible causes	Possible Corrective measures
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 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	Dialing error New SIM card inserted Charge limit reached	New network not authorised. Check for new restrictions. Contact Service Provider or reset limit with PIN 2.
Phone cannot be switched on	On/Off key pressed too briefly Battery empty Battery contacts dirty	Press On/Off key for at least two seconds. Charge battery. Check charging indicator in the display. Clean contacts.



Message	Possible causes	Possible Corrective measures
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	Only use original LG accessories.
	Battery defective	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.

# 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**

