



OWNER'S MANUAL

# LG optimus<sup>c</sup><sup>™</sup>

P/NO : MFL67142201(1.1) 

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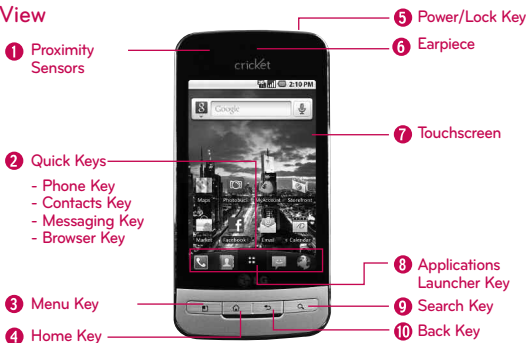
**NOTE** The user interface of Google applications (Google Search, Google Maps, Navigation, etc.) can vary depending on its software version.

## **WARNING**

With the Android operating system, some available Market applications only operate correctly with phones that have a specific screen resolution. Please be advised that some of the applications on the Android Market may not be available for your phone due an LCD resolution requirement that does not match your phone. In addition, please be aware that 3rd party applications with programming defects may cause issues with your phone, including lock ups and resets.

## Phone Overview

### Front View



1. **Proximity Sensors** senses proximity towards other objects (such as your head) so that touch commands are not accidentally activated during a call.

**Note** \*Do not block the sensor or near the sensor area with a film cover or phone case.

\*The use of a film cover produced by other manufacturers other than LG can cause a disturbance in touch operation, the display, etc.

2. **Quick Keys**

- **Phone Key** opens the Phone Application for access to the dialpad, Call log, Contacts, and Favorites.
- **Contacts Key** opens the Contacts Application.
- **Messaging Key** opens the Messaging Application.
- **Browser Key** opens the Browser Application.

3. **Menu Key** Opens an options menu with options that affect the current screen or application.
4. **Home Key** returns to the Home screen. If you're already viewing one of the Home screen extension panes, it navigates you to the central Home screen pane. Press and hold to view the most recently used applications.
5. **Power/Lock Key** locks the screen. Press and hold to open the phone options menu for the following options: Silent mode, Airplane mode, and Power off.
6. **Earpiece** lets you hear callers and automated prompts.
7. **Touchscreen** displays all the information needed to operate your phone, such as applications, call status, date, time, signal status, and battery strength.

8. **Applications Launcher Key** opens the Launch screen, where you can view installed applications.
9. **Search Key** opens the Quick Search Box™ from the Home screen to search the phone and the web. In many applications, you may press this key to search within the application itself. Touch and hold to open Google search by voice.
10. **Back Key** returns to the previous screen. Also closes pop-up display items such as menus and dialog boxes.

## Rear View



11. **Volume Keys** allow you to adjust the ringer and media volumes or to adjust the in-call volume during a call.
12. **Camera Key** activates the camera. Once the Camera function is open, you can access the Video recorder function as well.
13. **3.5mm Headset Jack** allows you to plug in an optional headset for convenient, hands-free conversations. The 3.5mm jack also allows you to plug in headphones to listen to music.
14. **Camera Lens** use for taking pictures and recording videos. Keep clean for optimal performance.
15. **Back Cover** encloses the battery compartment.
16. **Microphone** transmits your voice to the other caller and to Voice-activated functions.
17. **Accessory/Charger Port** allows you to connect the phone charger, USB cable, or other compatible accessories.

## Installing the Battery and microSD Card

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



1. Hold the phone with both hands and use the fingertip cutout at the top of the phone to pull open the battery cover.
2. Use the fingertip cutout in the battery compartment to lift the bottom edge of the battery out.
3. Locate the microSD card slot. Slide the slot protection upwards to unlock it and flip it up to open it. Then insert the memory card into the slot, making sure the gold contact area is facing downwards. Flip the slot protection down and slide it downwards to lock it.

**NOTE** The microSD card can be easily damaged by improper operation. Please be careful when inserting, removing or handling it.

4. Align the battery contacts with the terminals at the top of the battery compartment, then press the battery into place.
5. Replace the battery cover over the back of the phone. Apply a steady downward pressure until it clicks into place.

**WARNING!** On the Android OS 2.2.1 operating system, you can download applications from Android Market and can store them on your microSD card as well as on the device. Due to this feature, if you skip the unmount procedure, it can cause an error because information between the microSD card and the device is accorded improperly. In the worst case, the microSD card can be corrupted or damaged.

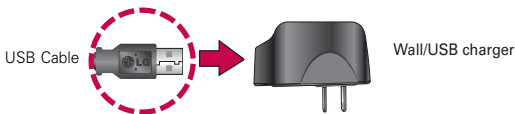
## Charging the Phone

Your LG Optimus C comes with a wall/USB charger and a USB cable which connect together to charge your phone. To charge your phone:

### NOTICE

Please use only an approved charging accessory to charge your LG phone. Improper handling of the accessory/charger port, as well as the use of an incompatible charger, may cause damage to your phone and void the warranty.

1. Connect the USB cable into the wall/USB charger. When connecting, as shown, the LG logo on the USB cable should face toward you.



2. Plug the USB cable (as shown below) into the phone's accessory/charger port.



## Charging with USB


You can use your computer to charge your phone. To be able to charge with the USB cable, you need to have the necessary USB drivers installed on your PC first. Connect one end of the USB cable to the accessory/charger port on your phone and connect the other end to a USB port on your PC. It is best to use the rear USB port when connecting to a desktop PC. The USB hub should be powered by an external power source.

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

## Optimizing Battery Life

You can extend your battery's life between charges by turning off features that run in the background. You can also monitor how applications and system resources consume battery power.


### To check the battery charge level

- From the Home screen, press the **Menu Key**  and touch **Settings > About phone > Status**.


The battery status (charging or discharging) and level (as a percentage of fully charged) will be displayed at the top of the screen.

### To monitor and control what uses the battery

The Battery use screen allows you to see which applications are consuming the most battery power. Information on this screen allows you to identify downloaded applications you may want to turn off when not being used, so you can get the most out of your battery power.

- From the Home screen, press the **Menu Key**  and touch **Settings > About phone > Battery use**.
- Touch an application in the Battery use screen to see the details about its power consumption.


### To change your phone settings

- From the Home screen, press the **Menu Key** , then touch **Settings**. You can change all your phone settings from here.




## Turning the Phone On and Off

### Turning the phone on

- Press and hold the **Power/Lock Key**  for a couple of seconds until the LCD screen turns on.



**NOTE** When you turn on your phone for the first time, follow the instructions on the screen to activate your device.

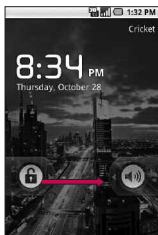
### Turning the phone off

1. Press and hold the **Power/Lock Key**  until the pop-up menu appears.
2. Touch **Power off** in the pop-up menu.
3. Touch **OK** to confirm that you want to turn off the phone.

### To unlock the phone

If you don't use the phone for a while, the screen and backlight will shut off to conserve battery power. To unlock the phone:

1. Press the **Power/Lock Key**  .  
Your Lock Screen will appear.
2. Touch and drag the **Unlock icon**  to the right.  
The last screen you were working on opens.



**NOTE** This is the default Lock Screen. If you have set up an Unlock Pattern, use your fingertip to draw the pattern. If a PIN or Password is set, enter it.

### To turn the phone sounds off

If you're in a place where your phone sounds may disturb others, you can quickly silence your phone from the lock screen.

1. Press the **Power/Lock Key** .
2. Drag the **Sounds off** icon  to the left.  
To turn the phone sounds back on, drag the **Sounds on** icon  to the left.

## Creating a Google Account

### Your Google Account

You must create and/or sign into a Google Account to use Gmail™, Google Talk™, Google Calendar™, and other Google Apps; to download applications from Android Market™; to back up your settings to Google servers; and to take advantage of other Google services on your device.

If you don't have a Google Account, you will be prompted to create one. If you have an enterprise account through your company or other organization, your IT department may have special instructions on how to sign into that account.

1. From a computer, or from your device's browser, navigate to [www.google.com](http://www.google.com).
2. On the main page, select **Sign in > Create an account now**.
3. Follow the onscreen prompts to create your free account.
4. Log into your provided email address, locate the email from Google, and respond to the new email to both confirm and activate your new account.

## Signing into Your Google Account

1. Launch an application that requires a Google account (such as Android Market or Gmail).
2. Click **Next > Sign in**.





















**NOTE** If you do not already have a Google account, touch **Create** and follow the onscreen prompts to create your new account.

3. Touch the **Username** and **Password** fields and enter your information.
4. Touch **Sign in**. Your device then communicates with the Google servers to confirm your information.























**IMPORTANT:** Some applications, such as Calendar, work only with the first Google Account you add. If you plan to use more than one Google Account with your device, be sure to sign into the one you want to use with such applications first. When you sign in, your contacts, Gmail messages, Calendar events, and other information from these applications and services on the Web are synchronized with your device. You will be prompted to sign in or to create a Google Account the first time you start an application that requires one, such as Gmail or Android Market.

## Phone's Status Icons

### Status icons

	3G connected		Roaming
	3G in use		No signal
	Connected to a Wi-Fi network		No microSD card installed
	Bluetooth is on		Vibrate mode
	Connected to a Bluetooth device		Ringer is silenced
	Airplane mode is set		Phone microphone is muted
	Alarm is set		Battery is very low
	Signal strength		Battery is full
	Speakerphone is on		Battery is charging
	GPS is on		Receiving location data from GPS

## Notification icons

	New Gmail message		3 more notifications not displayed
	New text or multimedia message		Call in progress
	Problem with text or multimedia message delivery		Call in progress using Bluetooth headset
	New Google Talk message		Missed call
	New voicemail		Uploading data
	Upcoming event		Downloading data
	Data is syncing		Download finished
	Problem with sign-in or sync		Connected to VPN
	New email		Disconnected from VPN
	An open Wi-Fi network is available and in range		Song is playing
	Phone is connected via USB cable		USB debugging connected

## Getting to Know the Home Screen

### Status Bar

Shows device status information including the time, signal strength, battery status, and notification icons.

### Application Icon

Touch an icon (application, folder, etc.) to open and use it.

### Quick Keys

Provide easy, one-touch access to the functions you use the most.






### Applications Launcher Key

Touch to open the Launch screen to view installed applications.



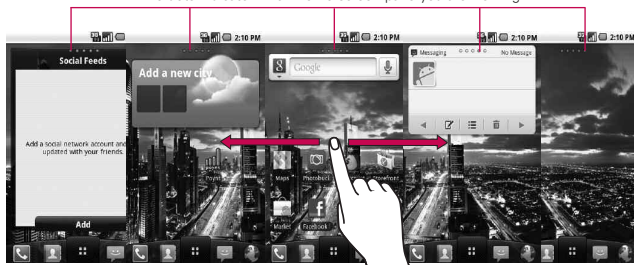
## Quick Keys

The Quick Keys are located on a bar along the bottom of the Home screen and the Launch screen.

-  : opens the **Phone** application, which displays the dialpad so you can dial an unsaved number. You can also access the Call log, Contacts and Favorites by touching the tabs across the top.
-  : opens the **Contacts** application. You can also access access Phone, Call log, and Favorites by touching the tabs across the top.
-  : opens the Launch screen and displays all of the installed applications.
-  : opens the **Messaging** application.
-  : opens the **Browser** application.

### Location Indicator

The dots indicate which Home screen pane you are viewing.



## Touchscreen

The following terms are used for describing the different available actions using the touchscreen:

**Touch** A single finger touch selects items.

**Touch and hold** Touch and hold an item on the screen by touching it and not lifting your finger until an action occurs.


**Drag** Touch and hold an item for a moment and then, without lifting your finger, move your finger on the screen until you reach the target position. You can drag items on the Home screen to reposition them.

**Swipe or slide** To swipe or slide, quickly move your finger across the surface of the screen, without pausing when you first touch it (so you don't drag an item instead).

**Double-tap** Double-tap to zoom a webpage or a map. For example, quickly double-tap a section of a webpage to zoom that section to fit the width of the screen. You can also double-tap to control the zoom in Google Maps and in other applications.

**Pinch-to-Zoom** Use your index finger and thumb in a pinch or spread motion to zoom in or out when using the browser, viewing a map or pictures.

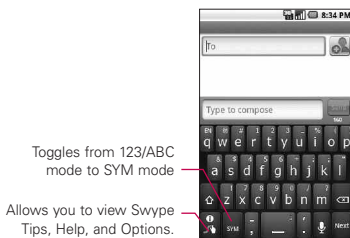
**Rotate the screen** From many applications, the orientation of the screen rotates with the phone as you turn it from upright to sideways and back again.

**NOTE** To turn this feature on and off, from the Home screen, touch the **Applications Launcher Key**  > **Settings** > **Display**. Then touch the **Auto-rotate screen** checkbox. A checkmark indicates that the function is on.

## Text Input Methods

**Swype (default):** Swype™ is a text input method that allows you to enter a word by sliding your finger from letter to letter, lifting your finger between words.

**Android keyboard:** The Android keyboard can also be used to enter text. To switch to the Android keyboard, touch and hold a text field, then touch **Input method** > **Android keyboard**.



## Swype Tips

Access the Swype Tips to view a tutorial on using Swype. You can also use the following Swype text entry tips.

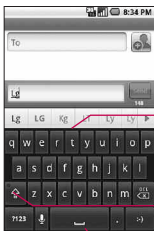
- ▶ Create a squiggle (like an S shape) to create a double letter (such as pp in apple).
- ▶ Touch and hold a key to enter the alternate letter or symbol located at the top right corner of the key.



- Move your finger over the apostrophe to enter contractions.
- Double-touch on the word you want to change to correct a misspelled word.
- Touch the Delete Key to erase one character. Touch and hold the Delete Key to erase faster.

## Using the Android keyboard

You enter text using the onscreen keyboard. Some applications open the keyboard automatically. In others, you need to touch a text field where you want to enter text to open the keyboard.





Displays the words predicted.

Touch once to capitalize the next letter you type.  
Touch and hold for all caps.


Touch space or a punctuation mark to enter the orange suggestion.

### To enter text


1. Touch a text field.
2. Use the keyboard to enter text into the text field.
  - Touch the word you want as soon as it appears in the predictive word box.


- ▶ Touch the **Space Key**  or a punctuation key to enter the predicted word.
- ▶ Touch another word in the predictive word box.
- ▶ Continue touching letters until the word appears in the predictive word box.
- ▶ Touch the **Delete Key**  to erase characters to the left of the cursor.

**NOTE** Words that do not appear in the predictive word box before you enter it completely are automatically added to your dictionary for future use. To manually add a word, touch and hold the word to open a dialog box, then touch **Add to dictionary**.

4. When you're finished typing, press the **Back Key**  to close the keyboard.

### To enter numbers, symbols, and other characters

- ▶ Touch the **Symbols Key**  to switch to the numbers and symbols keyboard.

Touch the **Alt Key**  on the numbers and symbols keyboard to access additional symbols; touch it again to switch back.

- ▶ Touch and hold any of the letter keys to access alternate symbols. Initially, the symbol at the top of the key pops up. When the menu pops up, touch any of the alternate characters or symbols displayed.
- ▶ Touch and hold the **Period Key** (.) from ABC mode to open a small window to choose from various symbols.
- ▶ Touch and hold a number or symbol key to open a window of additional symbols.

## To change the keyboard orientation

- Turn the phone sideways or upright.




You can control whether the screen changes orientation automatically when you turn the phone.

## Entering text by speaking



You can use voice input to enter text by speaking. Voice input is an experimental feature that uses Google's speech-recognition service, so you must have a data connection on a mobile or Wi-Fi network to use it.

### To turn on voice input

1. From the Home screen, touch the **Applications Launcher Key**  > **Settings** > **Language & keyboard** > **Android keyboard**.
2. Touch **Voice input**.
3. Touch a setting to display the **Microphone Key** on the main keyboard, on the symbols keyboard, or **Off** to disable voice input.

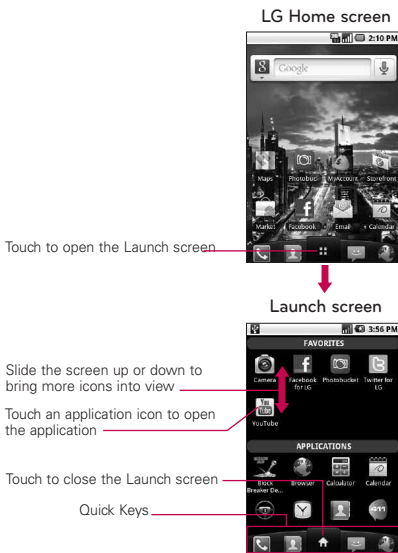
### To enter text by speaking

You can enter text by speaking in most places where text is allowed to be introduced.

1. Touch a text field.
2. Touch the **Microphone Key**  on the keyboard (if you set the Microphone Key to appear on the symbols keyboard, touch the **Symbols Key**  first).

3. When prompted to “Speak now,” speak what you want to enter.



## Overview



**NOTE** The Launch screen closes automatically when you touch an icon to open its application. Dragging an icon onto your Home screen also closes the Launch screen automatically.

**TIP** You can customize your Home screen with the application icons you use most often. Applications are located on the Launch screen, but you can copy any application icon to your Home screen for faster access. No matter where the icon is, on the Launch screen or your Home screen, just touch it to open and use it.

## Switching between multiple applications

1. Press and hold the **Home Key**  .  
A small window opens with icons of applications that you've used recently.
2. Touch the application icon you want to open or press the **Back Key**  to return to the current application.

Touch an icon to open an application you've used recently.





## Adding application icons to the Home screen

Customize your Home screen with the applications you use most often.

1. Open the Launch screen.
2. Touch and hold the application icon you want to add to your Home screen. Your Launch screen will be minimized so that you can place the icon on a Home screen.
3. Lift your finger to place it, or drag the icon to where you want it on the screen, then lift your finger.

## Options menus

Options menus contain tools that apply to the activities of the current screen or application, not to any specific item on the screen. To open the available options menu, press the **Menu Key**  . Not all applications have Options menus; if you press the **Menu Key**  on a screen that has no Options menu, nothing will happen.

Some applications have more Options menu items than can fit in the options menu; touch **More** to open the additional items.

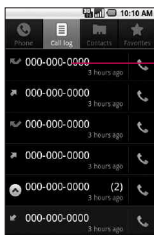


Options menus contain items that apply to the current screen or to the application as a whole.

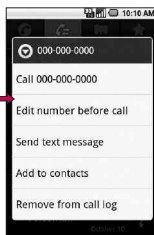
Touch to open more menu items.

## Context menu

Context menus contain options that apply to a specific item on the screen. To open a Context menu, touch and hold an item on the screen. Not all items have Context menus. If you touch and hold an item that has no Context menu, nothing will happen.



When you touch and hold certain items on a screen, a Context menu opens.




## Notifications

Notifications appear conveniently on the Status Bar to announce new messages, calendar events, alarms, and more.

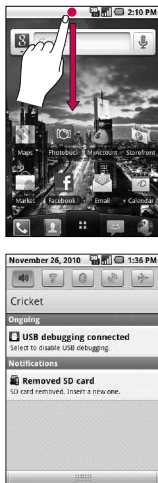
### To open the Notifications panel

- Touch and drag the Status Bar downwards.

OR


- From the Home screen, press the **Menu Key**  and touch **Notifications**.

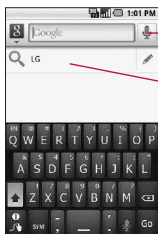
The Notifications panel displays your wireless service provider and a list of your current notifications, organized into ongoing and event-based notifications.



## Phone and Web search using text entry

1. Press the **Search Key** .

When you press the **Search Key**  on the Home screen or in the other applications that support this, the Quick Search Box will open automatically.




**Voice Search**

Touch to search by voice.

**Recent search results**

Provides one touch shortcut to previously searched terms.

In some applications, such as Gmail, Maps, and Messaging, the application's own search box opens when you press the **Search Key** . This is indicated by the application's icon on the left side of the search box.

2. Enter the text you're searching for in the Quick Search Box.



Touch to conduct the search.

As you type, search results from your phone, previous search terms, and web search suggestions appear. Touch an item to search that term.


3. Touch  to search for the entered terms.



## Web search using voice command

- ▶ Press and hold the **Search Key** .


OR

- ▶ Touch the Microphone icon  from the Quick Search Box. When you stop speaking, Google Search by Voice analyzes your speech and displays the results of your search.

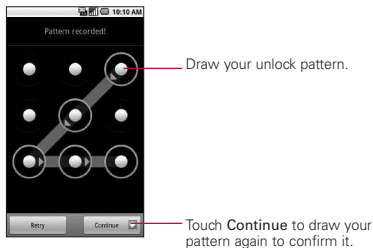
## Locking the Screen

You can lock your screen so that only you can unlock it to make calls, access your data, buy applications, and so on.

### Setting an Unlock Pattern

1. From the Home screen, press the **Menu Key** .
2. Touch **Settings > Location & security**.
3. Touch **Set up screen lock** (under the **Screen unlock** section) > **Pattern**. The first time you do this, you will see a tutorial with instructions on how to create an unlock pattern. Touch **Next** (twice) to continue.

4. Draw your unlock pattern and touch **Continue**.
5. Draw your unlock pattern again and touch **Confirm**.



From then on, any time you wish to turn the phone on or unlock the screen, you will need to draw your unlock pattern to unlock the screen.

### NOTE

- You have 5 opportunities to enter your unlock Pattern, PIN or Password. If you used all the 5 opportunities, you can attempt it after 30 seconds.
- When you can't recall your unlock Pattern, PIN, or Password:
  - If you've created a Google account on the phone, touch **Forgot pattern?** Then you are required to sign in with your Google account to unlock your phone.
  - If you haven't created a Google account on the phone, you need to perform a factory reset.

(Caution: If you perform a factory reset, all user applications and user data will be deleted. Please remember to back up any important data before performing a factory reset.)

1. Turn the power off.
2. Press and hold the following keys at the same time for 5 seconds: Down Volume Key + Home Key + Power/Lock Key.
3. When the power turns on, release these keys.

## Customizing the Home Screen


You can add the following types of items to the Home screen:

**Shortcuts** Add shortcuts to applications, a bookmarked webpage, a favorite contact, a destination in Google Maps, a Gmail label, a music playlist, and more. The shortcuts available depend on the applications you have installed.

**Widgets** Add any of a variety of widget applications to your Home screen, including a clock, a music player, a picture frame, Google search bar, a power manager, a calendar of upcoming appointments, a News and Weather widget, and more. Note that more widgets can also be found on Android Market™.

**Folders** Add a folder where you can organize other Home screen shortcuts and icons, or folders that contain all your contacts, contacts with phone numbers, or starred contacts. Your folders' contents are kept up to date automatically.

### To change the Home screen wallpaper

- From the Home screen, press the **Menu Key**  and touch **Wallpaper**.

You can also touch and hold an empty spot on the Home screen, then touch **Wallpapers** in the menu that opens.

## Connecting Quickly With Your Contacts

As you build up your list of contacts on your phone, you can use Quick Contact for Android to quickly chat, email, text message, place a call, or to locate your contacts. Quick Contact for Android is a special set of icons that you can use to quickly and easily connect to a contact.

- Open your Contacts list and touch the contact icon to the left of the contact's name. A bubble will open with the available options, displayed as icons. This is the Quick Contact bubble. Depending on the contact information saved, the available actions will be displayed above the name.



- Touch a Quick Contact icon to communicate with the contact. Depending on the icon you've touched, a different application will open. For example, the **Google Maps** icon will be available if an address is saved in that contact entry. By touching the Google Maps icon, the Google Maps application will open and the address mapped in Google Maps.







If you add a shortcut for a contact to your Home screen, you will be able to open Quick Contact for that contact.

## Connecting to Mobile Networks


When you buy your phone and sign up for service, your phone is configured to use your provider's mobile networks for voice calls and for transmitting data.

Different locations may have different mobile networks available.



	Connected to the 3G network (EVDO Rev A)
	Connected to a 2G network (1x)
	Signal strength (the more bars, the stronger the signal)
	Connected to another wireless service provider's network (roaming)

### To disable data when roaming


You can prevent your phone from transmitting data over other carriers' mobile networks when you leave an area that is covered by your carrier's networks. This is useful for controlling expenses if your cell plan doesn't include data roaming.

1. From the Home screen, press the **Menu Key** .
2. Touch **Settings > Wireless & networks > Mobile networks**.
3. Touch **Data roaming** to remove the checkmark from the box.  
With **Data roaming** unchecked, you can still transmit data with a Wi-Fi connection.



## Connecting to Wi-Fi Networks

	Connected to a Wi-Fi network (waves indicate connection strength)
	An open Wi-Fi network is in range and available


### To turn Wi-Fi on and connect to a Wi-Fi network

1. From the Home screen, press the **Menu Key** .
2. Touch **Settings > Wireless & networks > Wi-Fi settings**.
3. Touch **Wi-Fi** to turn Wi-Fi on and scan for available Wi-Fi networks.
  - A list of available Wi-Fi networks will be displayed. Secured networks are indicated by a lock icon.
  - If the phone finds a network that you have connected to previously, it automatically connects to it.
4. Touch a network to connect to it.
  - If the network is open, you will be prompted to confirm that you want to connect to that network by touching **Connect**.
  - If the network is secured, you will be prompted to enter a password. (Ask your network administrator for details.)
  - When you're connected to a network, you can touch the network name in the Wi-Fi settings screen for details about the speed, security, address, and related settings.

## Connecting to Bluetooth Devices

	Bluetooth is on
	Connected to a Bluetooth device

### To turn Bluetooth on or off


1. From the Home screen, press the **Menu Key** .
2. Touch **Settings > Wireless & networks**.
3. Touch **Bluetooth** to turn the function on or off.

The phone supports HFP, HSP, A2DP, AVRCP, OPP, PBAP, FTP.

Bluetooth® QD ID B016832

### To change the Device Name

The device name identifies your device to other devices.

1. From the Home screen, press the **Menu Key** .
2. Touch **Settings > Wireless & networks**.
3. Touch **Bluetooth** to turn the function on or off.
4. Touch **Bluetooth settings > Device name**.
5. Enter the name for your device in the dialog box and touch **OK**.

### To connect a Bluetooth Headset or Car Kit

You can listen to music over a Bluetooth stereo headset or have hands-free conversations using a compatible Bluetooth headset or car kit. It's the same procedure to set up stereo audio and hands-free devices.


In order for you to listen to music with your headset or car kit, both devices must support the A2DP Bluetooth profile.

1. From the Home screen, press the **Menu Key** .

2. Touch **Settings > Wireless & networks > Bluetooth settings**.
3. If Bluetooth is not on, touch **Bluetooth** to turn the function on.
4. Touch **Scan for devices**. Your device will start to scan for Bluetooth devices within range.
5. When you see the name of your headset displayed in the Bluetooth devices section, touch the name. Your device then automatically tries to pair with the headset.
6. If necessary, enter the PIN or passcode supplied with your headset.


The pairing and connection status is displayed below the hands-free headset or car kit name in the Bluetooth devices section. Depending on the type of headset or car kit you have connected, you can then start using the device to listen to music or make and receive phone calls.

### To disconnect a Bluetooth device

1. From the Home screen, press the **Menu Key** .
2. Touch **Settings > Wireless & networks > Bluetooth settings**.
3. In the Bluetooth devices section, touch and hold the device you wish to disconnect.
4. Touch **Disconnect**.

### To unpair from a Bluetooth device

You can make your device forget its pairing connection with another Bluetooth device. To connect to the other device again, you may need to enter or confirm a PIN or passcode again.

1. From the Home screen, press the **Menu Key** .
2. Touch **Settings > Wireless & networks > Bluetooth settings**.






3. In the Bluetooth devices section, press and hold the device to unpair.
4. Touch **Unpair** or **Disconnect & unpair**.

## To send information from your device to another device

You can use Bluetooth to transfer information between your device and another Bluetooth-enabled device, such as phone or notebook computer. The first time you transfer information between your device and another device, you need to enter or confirm a security passcode. After that, your device and the other device are paired and you will not need to exchange passcodes to transfer information in the future.

You can send the following types of information, depending on the device you are sending to:

- ▶ Images and videos
  - ▶ Contacts
  - ▶ Audio files
1. On your phone, open the application that contains the information or file you want to send.
  2. Follow the steps for the type of item you want to send:
    - ▶ **Photo or video** (in Camera): After capturing a photo or video, on the preview screen, touch **Share** > **Bluetooth**.
    - ▶ **Photos and videos** (in Gallery): In the Gallery, press the **Menu Key** . Select the items you want to share and touch **Share** > **Bluetooth**.
    - ▶ **Contact**: In the Contacts application, press the **Menu Key**  and touch **Multiselect**. Select the contact(s) you want to share and touch **Share** > **Bluetooth**.


- **Voice Recording:** On the Voice Recorder main screen, after recording, press the **Menu Key** . Touch **Share > Bluetooth**.

3. Touch the name of the receiving device.

4. On the receiving device, accept the file.

### To receive information from another device




To receive files from another device, you need to have a microSD card installed in your phone.


1. From the Home screen, press the **Menu Key** .
2. Touch **Settings > Wireless & networks > Bluetooth settings**.
3. If Bluetooth is not on, touch **Bluetooth** to turn the function on.
4. Touch **Discoverable** to check the verification box and make the phone discoverable to other devices.
5. On the sending device, send one or more files to your device.
6. If prompted, enter the same passcode on both your phone and the other device or confirm the auto-generated passcode. A Bluetooth authorization request is displayed on your device.
7. If you want to automatically receive files from the sending device in future, select the **Always allow this device** checkmark box and then touch **Accept**.
8. When a file is transferred, a notification is displayed.

When you open a received file, what happens next depends on the file type:

- **Media files and documents** are usually opened directly in a compatible application. For example, if you open a music track, it starts playing in the Music application.

- For a contact file (vCard), if there are multiple vCard files on your microSD card, you can choose to import each file of those contacts to your Contacts list.



**NOTE** • The files transferred by Bluetooth can be viewed from ThinkFree Office. To view the transferred files, touch the **Applications Launcher Key**  > **ThinkFree Office** . Then select the **bluetooth** folder from **My Docs** . The files will be saved on the following folders: **images**, **misc** (for document files such as PDF, DOC or PPT), **music** (for music or audio files), **vcard** (for contact files) and **video**.

- From the Contact list, press the **Menu Key**  and touch **More > Import/Export > Import from SD card**. Select the contact(s) you want to import and touch **Done**.

## Connecting to Virtual Private Networks

Virtual private networks (VPNs) allow you to connect to resources inside a secured local network, from outside that network.

### To add a VPN


1. From the Home screen, press the **Menu Key** .
2. Touch **Settings > Wireless & networks > VPN settings**.
3. Touch **Add VPN**.
4. Touch the type of VPN to add.
5. In the screen that opens, follow the instructions from your network administrator to configure each component of the VPN settings.
6. Press the **Menu Key**  and touch **Save**.  
The VPN will be added to the list on the VPN settings screen.

## Working With Secure Certificates

If your organization's VPN or Wi-Fi network relies on secure certificates, you must obtain the certificates and store them in your phone's secure credential storage before you can configure access to that VPN or Wi-Fi network on your phone.

For specific instructions, contact your network administrator.

### To install a secure certificate from the microSD card

1. Copy the certificate from your computer to the root (that is, not in a folder) of the microSD card.
2. From the Home screen, press the **Menu Key** .
3. Touch **Settings > Location & security**.
4. Touch **Install from SD card**.
5. Touch the file name of the certificate to install.  
Only the names of certificates that you have not already installed on your phone are displayed.
6. If prompted, enter the certificate's password and touch **OK**.
7. Enter a name for the certificate and touch **OK**.  
If you have not already set a password for your phone's credential storage, you will be prompted to enter a password for it, twice, then touch **OK**.

You can now use the certificate that you installed when connecting to a secure network. For security purposes, the certificate will be deleted from the microSD card.

## Connecting Your Device to Your Computer

Before using your device's mass storage capabilities, you need to prepare your device's data services to synchronize with your desktop or laptop computer. Once you have connected the device to the computer, you can transfer your data to or from the microSD card.

To connect your device to a computer via USB cable:

1. Use the USB cable that came with your phone to connect the phone to a USB port on your computer.
2. Open the Notifications panel and touch **USB connected**.
3. Touch **Turn on USB Storage** and **OK** to confirm.
  - When the device is connected as USB storage, you receive a notification.
  - Your device's microSD card is mounted as a removable drive on your computer. You can now copy files to and from the microSD card.
  - During this time, you will not be able to access the microSD card in your device, so you can't use applications that rely on the microSD card, such as Camera, Gallery, and Music.

To remove the connection:

**WARNING!** Carefully follow your computer's instructions to unmount, remove, or disconnect any removable USB devices or disks, to avoid losing information on the microSD card when disconnecting your phone from your computer.

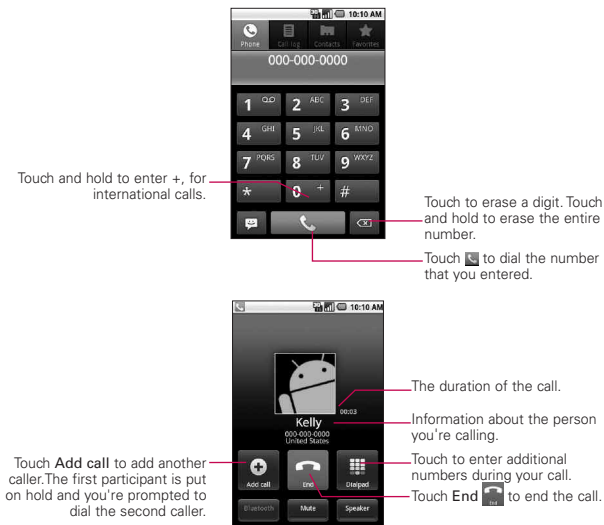
1. On your computer, complete the process to safely Stop, or Remove, the USB device (in this case, the phone). For example, use the Safely Remove Hardware option to Stop the USB device, on Windows® XP.
2. Open the Notifications panel and touch **Turn off USB storage** to unmount the microSD card.
3. Touch **Turn off USB storage** once again and remove the USB cable from the phone.

### Important Connection Information

- ▶ To avoid loss of data, DO NOT remove the USB cable, the microSD card, or the battery while accessing or transferring data.
- ▶ DO NOT use your computer to change or edit folder or file names on the microSD card and do not attempt to transfer large amounts of data from the computer to the microSD card. Doing so may cause the microSD card to fail.
- ▶ DO NOT turn off or restart your computer, or put it into standby mode, while using a mass storage device. Doing so will result in loss or damage of data.
- ▶ The microSD card can only be mounted for use by either the device or a connected computer. Prior to accessing the card via a different method, it must first be unmounted from its current device (phone or computer).

**IMPORTANT** The microSD card can only share a connection with one device at a time, either your phone or your computer (via its USB connection), not both. You cannot browse the contents of the card via your phone if they are currently being browsed via your computer.

## Placing and Ending Calls



- Press the **Volume Keys** to adjust the call volume.
- Use the onscreen buttons to add another call on hold, to use the speakerphone, and for other options.

### Airplane mode

Some locations may require you to turn off your phone's wireless connections by placing your phone in Airplane mode.

1. Press and hold the **Power/Lock Key**  .

## 2. Touch Airplane mode.



You can also set to Airplane mode with the Wireless & networks menu.

## Answering or Rejecting Calls

When you receive a phone call, the Incoming Call screen opens with the caller ID and any additional information about the caller, if saved in the Contacts list.

All incoming calls are recorded in the Call log.

### To answer a call

- If your screen is unlocked, simply touch the **Answer Key** , but if the screen is locked, drag the **Answer Key**  to the right.

If you were already on a call, the first call is placed on hold while you answer the new call.

To silence the incoming call ringer, press the **Volume Keys**.

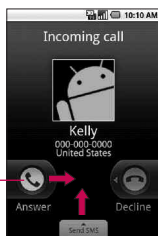
When unlocked



Touch the **Answer Key** to answer the call.

Touch the **Send SMS Key** to send an Excuse message to the caller instead of answering the call.



When locked



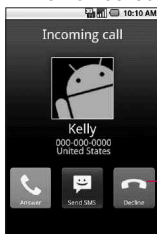
Drag the **Answer Key** to the right to answer the call



## To decline a call and divert it to voicemail

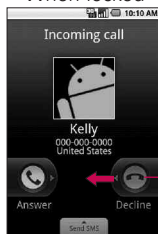
- If your screen is unlocked, simply touch the Decline Key , but if the screen is locked, drag the Decline Key  to the left. The caller is sent directly to your voicemail box to leave a message.

When unlocked



Touch the Decline Key to decline the call.

When locked



Drag the Decline Key to the left to reject the call and send to voicemail.

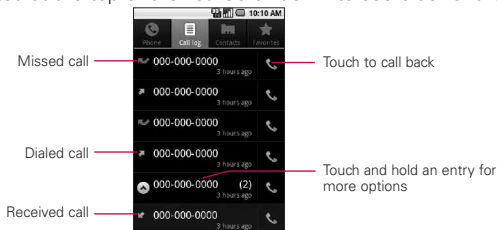
- To silence the ringer, press the Volume Keys.

## Working with the Call Log

The Call log is a list of all the calls you've dialed, received, or missed. It offers a convenient way to redial a number, return a call, or add a number to your Contacts.

### To open the Call log

- Calls are listed in the Call log tab. The most recent calls are located at the top of the list. Scroll down to see older entries.




### To add an entry's number to your Contacts


1. Touch and hold an entry.
2. Touch **Add to contacts**.
3. In the list of contacts that opens, touch **Create new contact** at the top or touch an existing contact to add the new number to that existing contact.

## Calling Your Contacts

### To call a contact

1. From the Home screen, touch **Contacts** .
2. Touch the contact you wish to call.
3. Touch the phone number you wish to call.

### To call a favorite contact

1. From the Home screen, touch **Contacts** , then touch the **Favorites** tab.  
You can add and remove favorites by touching the star next to their names (when you're viewing information about the contact).
2. Touch the favorite you wish to call.
3. Touch the phone number you wish to call.

## Voice Dialer

### To place a call by speaking

You can call a contact by using Voice Dialer.

1. From the Home screen, touch the **Applications Launcher** Key , then touch **Voice Dialer** .




2. Say "Call" followed by the name of the contact to call. You can also say "Dial" followed by a phone number. If Voice Dialer finds a match, it dials the contact's default number.

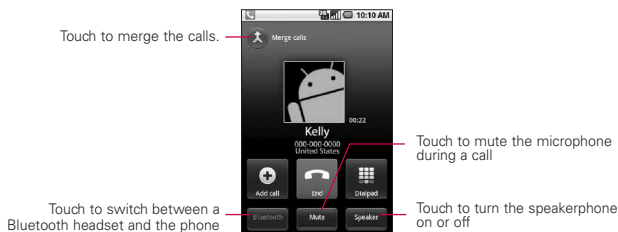
## Managing Multiple Calls

If you accept a new call when you're already on a call, you can switch between the two calls or merge the two calls into a single conference call. You can also set up a conference call with multiple callers.

### To set up a conference call

Contact your wireless service provider to learn whether they support conference calls and how many participants you can include.

1. Place a call to the first participant.
2. When you're connected, touch **Add call** . The first participant is put on hold and you're prompted to dial the second caller.
3. Place the next call using the **Phone**, **Call log**, **Contacts**, or **Favorites** tab.
4. After you're connected, touch **Merge calls** . The participant is added to the conference call.
5. Touch **End**  to end a conference call and disconnect all callers.





## Listening to Your Voice mail

### To listen to your Voice mail

- Open the Notifications panel, then touch **New voicemail**.

**OR**



- From the Home screen, touch the **Phone Key** , then touch touch and hold **1** . Typically, your carrier's voicemail system guides you through the process of listening to and managing your voicemail. The first time you call your voicemail, it also guides you through the process of recording greetings, setting a password, and so on.

## Google Search

Google Search is the search engine which helps you to search through the web, as well as search for applications and contacts on your phone.



Type the words you want to search

- ▶ From the Home screen, touch the **Applications Launcher Key**  and then touch **Google Search**. Use the keypad to enter what you are searching for.
- ▶ If what you're searching for is in the list of suggestions, touch it in the list. The item opens in the appropriate application.
- ▶ If what you're searching for is not in the list, touch  to search the Web. Browser opens, displaying the results of the Google search on the Web.

## Browser


Web services require a data connection. Contact your operator to choose the best data plan.

## Internet

Learn to access and bookmark your favorite web pages.

- NOTE** • You may incur additional charges for accessing the web and downloading media. For details, contact your service provider.
- Available icons may vary depending on your region.


## Browser pages

1. From the Home screen, touch the **Applications Launcher Key** , then touch **Browser** to launch the browser. To access a specific web page, touch the URL input field at the top of the screen, enter the web address (URL) of the web page, and touch **Go**.
2. Navigate web pages using your fingers.


















Press this icon for voice search and speak the word or phrase you wish to search.



Enter an web address of the web page to access and press .



While browsing the web page, use the following options:

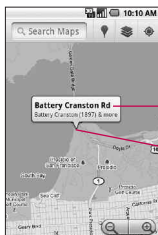
- To zoom in or out, double-tap the screen. You can also use the two finger zoom; place your two fingers on the screen and slowly pinch or spread apart.

- ▶ To open a new window, press the **Menu Key**  and touch  **New window**.
- ▶ To view the currently active windows, press the **Menu Key**  and touch  **Windows**. You can open multiple pages and switch back and forth between them.
- ▶ To reload the current web page, press the **Menu Key**  and touch  **Refresh**.
- ▶ To go to a next page in history, press the **Menu Key**  and touch  **Forward**.
- ▶ To bookmark the current web page, press the **Menu Key**  and touch **More > Add bookmark**.
- ▶ To search for text on the web page, press the **Menu Key**  and touch **More > Find on page**.
- ▶ To select text on the web page, press the **Menu Key**  and touch **More > Select text**. Highlight the text you want with your finger. The highlighted text is copied to the clipboard and you can paste it anywhere.
- ▶ To view the web page details, press the **Menu Key**  and touch **More > Page info**.
- ▶ To share the web address (URL) of the web page with others, press the **Menu Key**  and touch **More > Share page**.
- ▶ To view the download history, press the **Menu Key**  and touch **More > Downloads**.
- ▶ To customize the browser settings, press the **Menu Key**  and touch **More > Settings**.

## Google Maps™

### To open Google Maps and view your location


1. Touch **Maps**  on the Home screen or in the Launch screen.
2. Touch the **My Location** icon  on the tool bar at the top of the screen. Your location will be displayed.



Touch the balloon to access additional options.

Touch and hold a location to open a balloon with its address.

### To view map layers




- While viewing a map, touch the **Layers** icon  and choose from the following options: **Traffic**, **Satellite**, **Terrain**, **Latitude**, **More Layers**, or **Clear Map**.

## Searching For Locations and Places

You can search for a location and view it on a map. You can also search for places on the map that you're viewing.





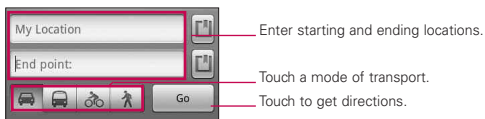
## To search for a location


1. While viewing a map, press the **Menu Key**  and touch **Search** or press the **Search Key** .
2. In the search box, enter the place you're looking for. You can enter an address, a city, or a type of business or establishment. For example, "theater in New York".
3. Touch the **Search** icon .  
Markers with letter labels indicate search matches on the map.

## Getting Directions

### To get directions

1. While viewing a map, press the **Menu Key**  and touch **Directions**.
2. Enter a starting point in the first text box and your destination in the second text box. You can also touch  to open a menu with options for selecting an address from other locations.





To reverse directions, press the **Menu Key**  and touch **Reverse Start & End**.


3. Touch the icon for car, public transit, bicycle or walking directions.
4. Touch **Go**.  
The directions to your destination appear in a list.

### To view turn-by-turn directions in a list

You can view each turn in your route as a list of written directions.



- ▶ While viewing your route on a map, touch the **Directions** icon , then touch the **Navigate** icon .

OR

- ▶ While viewing a list of directions, touch the **Navigate** icon  to view turn-by-turn directions in Navigation View.

### To search for locations along your route

You can search for businesses, points of interest, and other features along your route. When you search while navigating, your results include locations along your route, rather than locations that are near your current location.

- ▶ Press the **Search Key**  and search for locations of interest.
- ▶ When you're finished, touch the **Navigation** icon  to return to Navigation View.


## Latitude

### Finding Your Friends with Google Latitude™

Google Latitude lets you and your friends view each others' locations on maps and share status messages with each other.


#### To access Latitude


While viewing a map, press the **Menu Key**  and touch **Join Latitude**.

Press the **Menu Key**  for the following options: **Refresh friends**, **See map**, **Add friends** and **Privacy**.

## Places

### To find places



Touch the **Places** icon  while in Google Maps and choose a category, such as gas stations, coffee shops, bars, restaurants, etc. Once selected you'll see a list of closest matches, including their distance, compass bearing, description and even user reviews. You can customize your own location search categories, and even add the Places icon to your Home screen.

- You can also open Places by touching the **Applications Launcher Key**  from the Home screen, then **Places**. To add a new category, touch **Add**.

## RSS Reader

### 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 favorite web sites in an automated manner that is easier than checking them manually. To add an RSS feed, open the RSS Reader and touch **Add Channel**. Then enter the title and URL of the RSS feed.


- NOTES**
- To access RSS Reader, from the Home screen, touch the **Applications Launcher Key**  then touch RSS Reader.
  - Press the **Menu Key**  to edit the RSS Reader Settings.

## Contacts

### Using Your Contacts

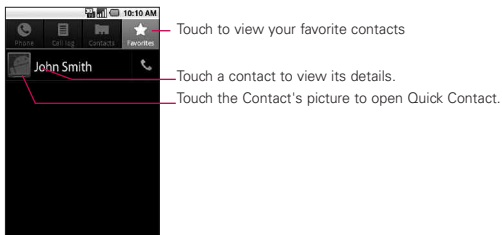
Use the **Contacts** application to add, view, and communicate with your friends and acquaintances.

#### To open your **Contacts** application

- Touch the **Contacts** icon  on the Home screen or in the Launch screen.


**NOTE** You can also access your contacts by using Quick Contact.

All of your contacts are displayed alphabetically in a list. If you haven't added any contacts yet, the **Contacts** application will display hints on how to start adding contacts to your phone.



#### To view details about a contact

1. Open the **Contacts** application.
2. Touch the contact whose details you want to view.



Touch the Phone icon to call the number or touch the Text icon to start a text message. You can also press the **Menu Key**  and touch **Edit contact** to edit the contact's information or touch **Delete contact** to delete the contact entry.

## To connect by using Quick Contact for Android™

1. Touch a contact's picture to open Quick Contact for Android.
2. Touch the icon corresponding to the type of communication you want to start.

Depending on the contact information saved, the available actions will be displayed above the name.


## To communicate with a contact

1. Open the **Contacts** application.
2. Touch the contact with whom you want to communicate.
3. In the contact's details screen, touch the method you wish to communicate with the contact.
  - Touch the **Dial Key**  next to the number you want to call.
  - Touch the **Message Key**  next to the number you want to message.


**NOTE** Anytime you see the **Dial Key**  next to a number, such as in your Favorites or Call log, just touch it to call that number.

## To set whether contacts without phone numbers are displayed

If you use your list of contacts only to call people, you can hide any contacts that don't have phone numbers.

1. Open the **Contacts** application.
2. Press the **Menu Key**  and touch **Display options**.
3. Touch **Only contacts with phones** to select or deselect this option. When selected, a green checkmark will appear.

### To change which groups are displayed

1. Open the **Contacts** application.
2. Press the **Menu Key**  and touch **Display options**.
3. Touch an account to open its list of available groups.
4. Touch each group whose contacts you want to view in your **Contacts** application. Contact types with a green checkmark will appear in your contacts list.



This action affects only which contacts are displayed. Your sync settings will not be affected.

5. Touch **Done** to save your settings.

### To join contacts

1. Open the **Contacts** application.
2. Touch the contact entry to which you want to add information.

The contact name for this entry will remain unchanged after you join with another contact.

3. Press the **Menu Key**  and touch **Edit contact**.
4. Press the **Menu Key**  and touch **Join**.  
Your list of contacts is displayed on the screen.
5. Touch the contact whose information you want to join with the first contact. The information from the two contacts will be merged and displayed under the name from the first contact.
6. Touch **Done** to save the entry.

## Email

### Opening Email and the Accounts Screen

You can use the **Email** application to read email from services other than Gmail™. The Email application supports the following account types: POP3, IMAP and Exchange.


#### To open the Email application

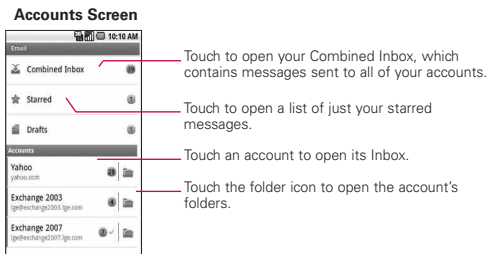
- From the Home screen, touch the **Applications Launcher** Key , then touch **Email** .

The first time you open the **Email** application, a setup wizard opens to help you add an email account.

#### The Accounts screen

The Accounts screen lists your Combined Inbox and each of your email accounts. If you have starred, draft, or unsent messages in any of your accounts, the folders for those items from all accounts are displayed as well.

- Open the Email application. If you're not on the Account screen, press the **Menu Key** , then touch **Accounts**.




## To open your Combined Inbox

If you have configured Email to send and receive email from more than one account, you can view all messages sent to all accounts in your Combined Inbox.

1. From the Home screen, touch the **Applications Launcher Key** , then touch **Email** .

**SHORTCUT** Press the **Home Key** , then touch **Email**  on the Home screen.



2. If you have multiple email accounts, touch **Combined Inbox** (in the Accounts screen). If you are not on the Accounts screen, press the **Menu Key**  and touch **Accounts > Combined Inbox**.

Only your account's most recent emails are downloaded to your phone. To download more (earlier) email messages, touch **Load more messages** at the bottom of the emails list.

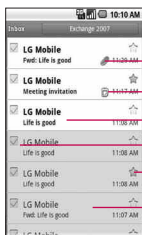
## Reading Your Messages

You can read messages from your Combined Inbox, from the Inbox, or from other folders from the individual accounts.

### To read a message

1. From the Home screen, the **Applications Launcher Key** , then touch **Email** .
2. Touch the message you want to read.  
The message opens in a screen that includes information about who sent it, the date it was sent, and other related information.





This message contains an attached file.

Corporate Calendar Meeting Invitation.

Unread messages are in bold.

Messages are color coded according to the account to which they were sent.

Touch to star a message.




Previously read messages are grayed out.

The Google Talk™ online status will be shown (if available) next to the name of the sender of each message.

## Composing and Sending Email

You can send email to your contacts or to other people or groups.



### To compose and send a message

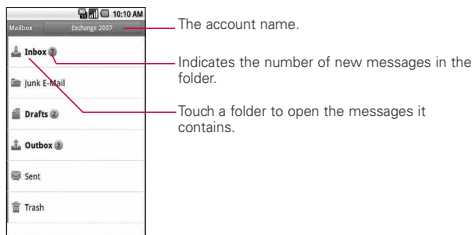
1. While in the **Email** application, press the **Menu Key** , then touch **Compose**.
2. Enter an address for the message's intended recipient. As you enter text, matching addresses are offered from your Contacts. You can touch a suggested address or continue entering a new one. Separate multiple addresses with commas.
3. Press the **Menu Key** , then touch **Add Cc/Bcc** to copy other contacts/email addresses to the message.
4. Enter a subject for the message.
5. Enter the text of the message.
6. Press the **Menu Key** , then touch **Add attachment** to send a photo with the message.
7. Touch **Send** to send the message.

## Working with Account Folders

Each account has Inbox, Outbox, Sent, and Drafts folders. Depending on the features supported by your account's service provider, you may have additional folders.


### To view an account's folders

1. Open the **Email** application , press the **Menu Key** , then touch **Accounts**.
2. Touch an account's folder icon.



## Adding and Editing Email Accounts

### To add an email account

1. Open the Accounts screen.
2. Press the **Menu Key**  and touch **Add account**.  
In the Setup Email screen, enter your email address and password.


If you're adding a second or subsequent email address, you can also check the option to use the new account as default when sending outgoing messages.

3. Touch **Next** or, if you need to enter email account settings the wizard can't configure for you, touch **Manual setup**.

4. Enter a name for the account, confirm how you want your name to appear in outgoing mail, then touch **Done** to complete adding the account.

### To change an account's settings

You can change a number of settings for an account, including how often email is checked and how you're notified of new mail.

1. Open the Accounts screen.
2. Touch and hold the account whose settings you want to change. In the menu that opens, touch **Account settings**.
3. When you're finished changing settings, press the **Back Key**  to return to the Accounts screen.

### To delete an email account



1. Open the Accounts screen.
2. Touch and hold the account you want to delete.
3. Touch **Remove account** in the menu that opens.
4. Touch **OK** in the dialog box to confirm that you want to delete the account.


## Facebook for LG

The Facebook for LG application on your phone lets you keep up and stay close with your friends in Facebook. It offers most of the features that you are familiar with when using Facebook on your computer.

**NOTE** If you have more than one Facebook account, you can sign in to both but not simultaneously. You will need to sign out of your current account and sign in with your other account.

### Using the Facebook for LG application

1. From the Home screen, touch the **Applications Launcher Key** , then touch **Facebook for LG**.
2. If this is the first time you use Facebook for LG, enter your email and password and touch **Log in** to sign in to your Facebook account.
3. On the News Feed screen, press the **Menu Key** , then touch **Home** to access other Facebook for LG functions.

- NOTE**
- While on the Facebook for LG home screen, press the **Menu Key** , then touch **Settings** to set refresh and notification options.
  - On some screens, you can press and hold an item to open an options menu.

### Adding the My Status widget

Add the My Status widget to the Home screen to let you quickly share your thoughts and view your friends' status updates.

**NOTE** The widget will only link to the Facebook account that you logged into on the Facebook for LG application.

1. Touch and hold an area in the Home screen where you want to place the Widget.
2. Touch **Widgets > My Status**.

## Gmail

### Opening Gmail and Your Inbox

When you open the Gmail application, the most recent conversations are displayed in your Inbox.

#### To open the Gmail application

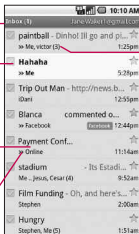
- From the Home screen, touch the **Applications Launcher** Key , then touch **Gmail** .

The number of unread messages in your Inbox.

Bold subject lines indicate conversations with new (unread) messages.

Touch a conversation to open it and read its messages.

Recipient indicator (see below)



Your account.


The number in parentheses indicates the number of messages in the conversation

>> : indicates that this message was sent directly to you.


> : indicates that you were CC'd on this message.

(No indicator): indicates that this message was sent to a group that includes you.

#### To open your Inbox when Gmail is running

- If you are in another label, press the **Back Key**  until you return to your **Inbox**.

OR


- When reading a message, press the **Menu Key**  and touch **Go to Inbox**.

## OR

- When viewing a list of labeled conversations, press the **Menu Key**  and touch **More > Go to inbox**.

## To switch accounts

Gmail displays conversations and messages from one Google Account at a time. If you have more than one account, you can open the Accounts screen to view how many unread messages you have in each account and to switch accounts.

1. From your Inbox, press the **Menu Key**  and touch **Accounts**.
2. Touch the account that contains the email you want to read.

## To read a message

- Touch a conversation that contains the message you want to read.

A conversation opens to the first new (unread) message or to the first starred message, if you've previously starred a message in the conversation.



This conversation has one label.



This conversation has one other message. It has been minimized because the message has already been read.

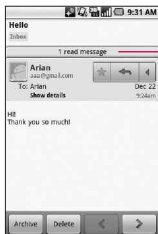
Touch a sender's picture to open the Quick Contact menu.

You can archive or delete the entire conversation or read your next, oldest, unread message.

## To reread a message

When you open a conversation, messages that you've already read are minimized into a tab that indicates the number of hidden messages.

1. From the Home screen, touch the **Applications Launcher Key** , touch **Gmail** , touch the conversation you want to view, then touch the tab indicating minimized messages.




Touch the tab that indicates the number of read messages to view their summary tabs.







2. Touch the contact name to open that message.




Touch the contact name of a message to open it so you can read it again.

When reading a message, you can press the **Menu Key**  and touch **Mark unread** to return a read message to the unread state. For example, to remind yourself to read it again later.

## To compose and send a message

1. From the Home screen, touch the **Applications Launcher Key** , touch **Gmail** , press the **Menu Key**  and touch **Compose**.
2. Enter a recipient's address.  
As you enter text, matching addresses are offered from your Contacts list. You can touch a suggested address or continue entering text to enter a new one.
3. Press the **Menu Key**  and touch **Add Cc/Bcc** to copy recipients to the message, if necessary.
4. Enter a subject for the message in the Subject field.
5. Continue into the next field to enter your message.
6. Press the **Menu Key**  and touch **Attach** to add an attachment to the email.
7. Touch the **Send icon**  to send the email.

## To reply to or forward a message

1. Touch  at the top right corner of the screen to display the available reply options.
2. Touch **Reply**, **Reply all**, or **Forward**.



Touch **Reply** to reply just to the sender of the message. Touch **Reply all** to include all recipients of the message. Touch **Forward** to send the conversation to someone new.

3. Touch the **Send icon**  to send the email.

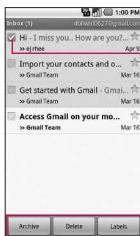


## Working with Conversations in Batches


You can archive, label, delete, or perform other actions on a batch of conversations at once, in your Inbox or in another label views.


1. From the Inbox or messages with another label, touch the checkmark for all the messages you want to include in the batch.

When you checkmark a conversation, the **Archive**, **Delete**, and **Labels** buttons appear at the bottom of the screen.



Touch to include the message in the batch.


Touch to select an action for the batch or press the Menu Key  for more options.

2. Touch **Archive**, **Delete**, or **Labels** or press the **Menu Key**  and touch **Add star**, **Report spam**, **Mute**, **Mark read/Mark unread**, or **Deselect all**.

## Labeling a Conversation

As mentioned previously, conversations are organized by labels. Gmail has several default labels, but you can also add your own through Gmail on the web.


### To label a conversation or change the conversation's label

1. When reading a conversation's messages, press the **Menu Key**  and touch **Change labels**.
2. Touch the label you want to label the conversation with and touch **OK**.


## Starring a Message

You can star an important message or conversation to make it easy to locate again.

### To star a message

- ▶ When reading a message, touch the star  in its header.

OR


- ▶ When viewing a list of conversations in the Inbox or another label, touch its star  to star the newest message in the conversation.

## Changing Gmail Settings

You can change a number of settings for Gmail. Each Google account has its own settings, so your changes affect only the current account.



- ▶ From the Home screen, touch the **Applications Launcher** Key , touch **Gmail** , press the **Menu Key**  and touch **More > Settings**.

OR

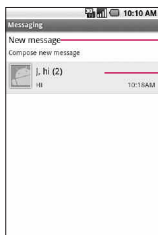
- ▶ From the Accounts screen, press **Menu Key**  and touch **Account settings**.

## Messaging

### To open Messaging

- From the Home screen, touch the **Applications Launcher** Key , then touch **Messaging** .

The Messaging window will open, where you can create a new message or open an ongoing message thread.



Touch to compose a new text or multimedia message.

Touch to open an ongoing message thread.

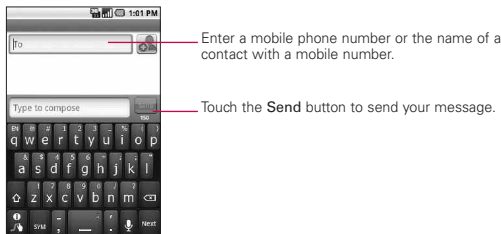
- Touch **New message** to start a new text or multimedia message.
- Touch an existing message thread to open it.


### To delete a message thread from the Messaging window

1. Touch and hold the message thread you wish to delete.
2. Touch **Delete thread** in the menu that opens.
3. Touch **OK** to confirm.

## To send a text message

1. On the Messaging screen, touch **New message**.
2. Enter a mobile phone number in the **To** field.  
As you enter the mobile phone number, matching contacts appear. You can touch a suggested recipient or continue entering the phone number.
3. Touch the text field to start entering your message.





If you press the **Back Key**  while composing a message, it's saved as a draft in your Messaging menu. Touch the message to resume composing it.

4. Touch **Send** to send the message.





## To create and send a multimedia message

1. On the Messaging screen, touch **New message**.
2. Enter a mobile phone number or email address in the **To** field. As you type, matching contacts appear. You can touch a suggested contact or continue typing.
3. Touch the text field to start entering your message.
4. Press the **Menu Key**  and touch **Add subject** to add a message subject.
5. Press the **Menu Key** , touch **Attach** and select the type of media file to attach to the message.
6. Touch **Done** after you finish editing the slideshow, if necessary.
7. Touch **Send** to send the message.

## To view details about a message

1. Touch and hold a message in a message window.
2. Touch **View message details** in the menu that opens.

## Excuse Message

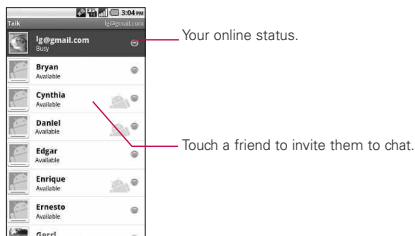
This menu displays your list of Excuse Message phrases that help you to reduce manual input into messages. To access from the Home screen, press the **Menu Key** , then touch **Settings > Call settings > Excuse Messages**. Press the **Menu Key**  to access additional options. You can also touch an Excuse Message to edit it.

## Google Talk

### Signing in and Opening your Friends List

You remain signed in, even when you're using other applications, until you deliberately sign out.

#### To open Google Talk and sign in




1. From the Home screen, touch the **Applications Launcher Key** , then touch **Talk** .

The Google Talk application will open and display your Google Talk friends.

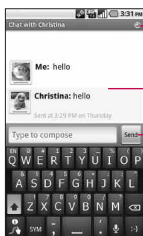
### Chatting with Friends

#### To chat with a friend

1. From the Home screen, touch the **Applications Launcher Key** , then touch **Talk** .

If you're already chatting with someone, you can press the **Menu Key**  and touch **Friends list** to return to the friend's list.

2. Touch the friend you want to chat with.
3. Enter your message and touch **Send**.



Who you're chatting with and their online status.


Messages sent and received.

Enter a message then touch **Send**.

## Status Icons


Icons in Google Talk, Gmail, Google Maps™, and other applications indicate your and your friends' Google Talk status.

### To set whether you sign into Google Talk automatically

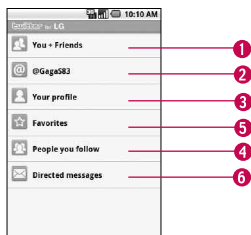
1. From the Friends list, press the **Menu Key**  and touch **Settings**.
2. Touch **Automatically sign in** to check or uncheck the option. When **Automatically sign in** is checked, you are signed into Google Talk when you turn on your phone.

## Twitter for LG

Twitter for LG allows you to update your followers with tweets and stay updated with those that you follow.

To open Twitter for LG, from the Home screen, touch the **Applications Launcher Key** , then touch **Twitter for LG**. The first time you open the Twitter for LG application, you will have to sign in by entering your username or email and password and touching **Log in**.

### Home screen



1. Shows all the tweets from your Friends and tweets that you have sent out.
2. Shows all tweets that mentions your username using the “@[your username]” convention.
3. Touch to view your Twitter profile. This also shows you all of your tweets.
4. Shows tweets that were marked as favorites.
5. Shows all the people you follow.
6. Shows all private/direct messages that you have received or sent out.



## Updating your status

1. Open the Twitter for LG application.
2. Touch the text field with the words “What’s happening?”
3. Update your status and touch **Update**.


## Phone

The Phone application allows you to make a call using the keypad.

### Call log

The Call log displays your call history. You can call or contact any entry, simply touch the Phone icon next to the phone number.

### Contacts

The Contacts tab displays all your contacts, allowing you to easily search for contacts to call. To add a contact, press the **Menu Key**  and touch

- ▶ **Accounts** to add or configure an account with contacts you can sync to the phone.
- ▶ **New contact** to create a new contact.
- ▶ **More > Import/Export** to import or export contacts from your microSD card.

### Favorites


The Favorites tab displays your favorite contacts or those you communicate with most often. To add a contact to your list of favorites :

1. Touch the **Contacts** tab.
2. Touch the contact you want to add to your favorites.
3. Touch the star next to the contact's name. The star turns gold, meaning it has been successfully added to your favorites.

## Voice Dialer



### Call a contact by voice dialing

You can call numbers directly by saying the contact's name or number.


1. From the Home screen, touch the **Applications Launcher Key** , then touch **Voice Dialer**.
2. Say "Call" or "Dial" and then a name or a phone number. Alternatively, say "Redial" to call the last dialed number.

## Voice Search

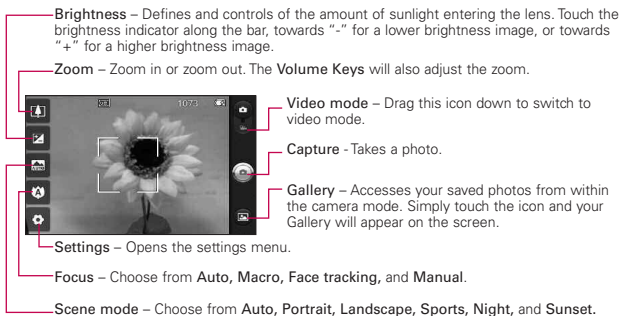
The Voice Search application allows you to search by voice quickly and easily.

1. From the Home screen, touch the **Applications Launcher Key** , then touch **Voice Search** .
2. Wait for the "Speak now" prompt, then say your query.  
The search results will be displayed and formatted for the browser.
3. Touch the result you want or continue searching.

## Camera

From the Home screen, touch the **Applications Launcher Key** , then touch **Camera** .


### Getting to know the viewfinder




**NOTE** A memory card needs to be inserted and mounted to activate the Camera application.


**TIP!** You can close all the setting icons to give a clearer viewfinder screen by touching the center of the viewfinder once. To recall the options, touch the screen again.

### Taking a quick photo

1. Open the **Camera** application.
2. Holding the phone horizontally, point the lens toward the subject you want to photograph.
3. Touch and hold the **Capture** button  lightly and a focus box will appear in the center of the viewfinder screen.
4. Position the phone so you can see the subject in the focus box.

5. When the focus box turns green, the camera has focused on your subject.
6. Take your finger off the **Capture** button .


## Viewing your saved photos

1. You can access your saved photos from within the camera mode. Just touch the **Gallery** icon , then touch a photo to display it.

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

Touch the screen when viewing a photo to access the following options:

**Slideshow** : Touch to see your photos played in a slideshow.

**Menu** : Touch to open a menu of options including **Share**, **Delete**, or **More**. If you touch **More**, you have the following additional options:



**Details** - Displays the information about the selected photo (e.g., file type, file size, etc.).

**Set as** - Allows you to set the photo as the icon identifying a contact or sets it as your phone wallpaper.

**Crop** - Allows you to manually crop the photo. Use your finger to move or resize the cropping box to encompass only the part of the photo you want to see, then touch **Save**.

**Rotate** - Touch one of the rotation icons to rotate the photo clockwise or counter-clockwise.

## Video Camera

From the Home screen, touch the **Applications Launcher Key** , then touch **Camera** .

## Getting to know the viewfinder

**Brightness** – Defines and controls of the amount of sunlight entering the lens. Touch the brightness indicator along the bar, towards “-” for a lower brightness Video, or towards “+” for a higher brightness Video.

**Zoom** – Zoom in or zoom out. The **Volume Keys** will also set the zoom. Set the zoom before starting a video. You cannot change the zoom setting during recording.



**Camera mode** – Switches between Camera and Video. Drag this icon up for Camera mode and drag it down for Video mode.

**Capture** – Starts video recording





**Gallery** – Accesses your saved photos and videos from video camera mode. Simply touch the icon and your Gallery will appear on the screen.

**Settings** – Opens the settings menu.

**Scene mode** – Sets the video camera to adjust to the environment. Choose from **Auto**, **Portrait**, **Landscape**, **Sports**, **Night**, and **Sunset**.

**Video size** – Sets the size (in pixels) of the video you record. Choose your video image size from **VGA (640x480)**, **QVGA (320x240)** or **QCIF (176x144)**.



## Recording a quick video

1. Open the **Camera** application.
2. Drag the **Camera mode** icon down to change to Video mode. The Camera mode icon changes to  and the Capture button changes to .
3. The video camera's viewfinder will appear on the screen.
4. Holding the phone horizontally, point the lens towards the subject of the video.
5. Touch **Capture**  once to start recording.
6. REC will appear at the bottom of the viewfinder with a timer showing the length of the video.
7. Touch  on the screen to stop recording.


## Gallery

The **Gallery** application allows you to view albums of your pictures and videos.

### To open Gallery and view your albums

- From the Home screen, touch the **Applications Launcher** Key , then touch **Gallery** .

OR

- Open Gallery from the **Camera** application by touching the **Gallery** icon .



Typical view of an album.

Scroll left or right to view more albums.

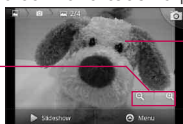
## Working with Pictures

Use the Gallery to view pictures that you've taken with the Camera application, downloaded, copied onto your microSD card, or that are stored in your Picasa web albums.

## To view and browse pictures

- Open a Gallery album and touch a picture.

Touch to zoom in or out; simply pinch; or just double-tap the picture.



Touch the picture to see the controls. Drag left or right to see the next or previous picture in the album.

- Turn the phone to view the picture in vertical (portrait) or horizontal (landscape) orientation. The picture is displayed (but not saved) in the new orientation.
- Touch the picture to view zoom and other control buttons.
- Touch either Zoom icon to zoom in or out or just double-tap the screen.
- When the picture is zoomed in, drag the picture to view parts that are not in view.
- When the picture is zoomed to fit in the window, drag left or right to view the next or previous picture in the album.

## Working with Videos

Use the **Gallery** application to play videos that you've taken with the **Camera** application and to share them with friends.

### To play videos

- Open a Gallery album then touch a video.  
The video plays, with the orientation (portrait or landscape) you shot it in.



Touch the screen to view the playback controls for pausing, resuming, and skipping backward and forward.

- Touch the screen to view the playback controls.

## Android Market™

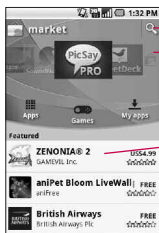
### Opening Android Market and Finding Applications

Open Android Market to browse and search for free and paid applications.

#### To open Android Market application

- From the Home screen, touch the **Applications Launcher** Key , then touch **Market** .

When you open the **Android Market** application for the first time, you must read and accept the terms of service to continue.




Touch to search Market for specific applications.

Touch a category to view its contents.

Touch a featured application to view more information.

#### To get help with Android Market

Android Market Help webpages are available from all Android Market screens.

- Press the **Menu Key**  and touch **Help**.  
The **Browser** application opens to the Android Market Help page, with links to many help topics.





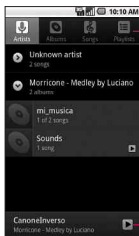
## Music

### Opening Music and Working with Your Library

After you've copied some music onto your microSD card you can open the **Music** application and see your library of music files.


#### To open Music and view your music library

- From the Home screen, touch the **Applications Launcher** Key , then touch **Music** .




Touch a tab to view your library according to the theme.


Touch to show a summary of information of the current track.

You can return to the main Library screen from most other screens in the **Music** application by pressing the **Menu Key** , then touching **Library**.

#### How to use








- To search for music in the library, open the main Library screen and press the **Search Key** .
- To delete a song from your phone, touch and hold a song in a Library list. In the menu that opens, touch **Delete**.

OR

- On the Playback screen, press the **Menu Key**  and touch **Delete**.

## To control playback

The Playback screen contains several icons that you can touch to control the playback of songs, albums, and playlists:

	Touch to pause playback.
	Touch to resume playback.
	Touch to skip to the next track in the album, playlist, or shuffle.
	Touch to skip to the previous track in the album, playlist, or shuffle.
	Touch to open the current playlist.
	Touch to play the current playlist in shuffle mode (tracks are played in random order).
	Touch to set repeat mode: don't repeat, repeat the playlist, or repeat the current track.

## To control playback volume


You can control the volume of music in the **Music** application by pressing the phone's Volume Keys.

## To use a song as a ringtone

You can use a song as your phone ringtone, in place of one of the ringtones that come with the phone.


- ▶ Touch and hold a song in a Library list. In the menu that opens, touch **Use as phone ringtone**.





**OR**

- ▶ On the Playback screen, press the **Menu Key**  and touch **Use as ringtone**.

## Video Player

The video player allows you to play various kinds of videos. The video player supports the following file formats: 3gp, mp4, avi, wmv, flv, mkv (Codec: MPEG4, H.263, Sorenson H.263, H.264, VC-1, DivX/XviD).

- Some file formats are not supported depending on the software of the phone.
- If the file size exceeds the available memory, an error can occur when you open files.
  1. From the Home screen, touch the **Applications Launcher Key** , then touch **Video Player**.
  2. Select a video to play.
  3. Rotate the device counter-clockwise to landscape view.
  4. Control playback with the following icons:

	Pause playback.
	Play a video file.
	Press to start playing the video from the beginning. Touch and hold to rewind playback.
	Touch and hold to fast-forward playback.

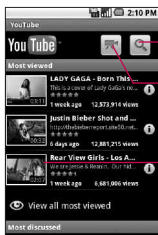
## YouTube™

### Opening YouTube and Watching Videos

You can browse, search for, view, upload, and rank YouTube videos on your phone with the **YouTube** application.

#### To open the YouTube application

- ▶ From the Home screen, touch the **Applications Launcher** Key , then touch **YouTube** .





Touch to search for a video. You can also search by voice.

Touch to record and share a video.

Touch a video to play it.





#### To watch and interact with YouTube videos

- ▶ On a YouTube screen, touch a video to play it.
- ▶ During playback, touch the screen to view the Playback controls.
- ▶ During playback, press the **Back Key**  to stop playback and return to the videos list.
- ▶ Press the **Menu Key**  for the following options: **Home**, **Browse**, **Search**, **My Channel**, **Upload**, and **Settings**.


## Voice Recorder

Learn to operate your phone's voice recorder. You can set voice memos as call or alarm ringtones.

### Record a voice memo

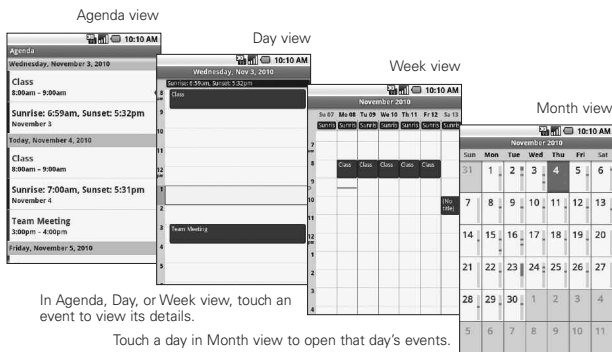
1. From the Home screen, touch the **Applications Launcher** Key , then touch **Voice Recorder**.
2. Touch  to start recording.
3. Speak into the microphone.
4. When you are finished, touch .
5. To record more voice memos, touch **Go to list** from the bottom of the screen and then touch **New record** or simply touch  again.

### Play a voice memo



1. From the Home screen, touch the **Applications Launcher** Key , then touch **Voice Recorder**.
2. Touch **Go to list** and touch a recording.

**NOTE** You can send the voice memo to others by touching and holding a voice memo and then touching **Share**.

## Calendar



### To open Calendar

- From the Home screen, touch the **Applications Launcher Key** , then touch **Calendar** .
- Events from each account you've added to your phone and configured to synchronize are displayed in Calendar.
- Events from each calendar are displayed in a different color.

### Working in Agenda view

Agenda view displays a list of your events in chronological order. All-day and multi-day events are listed at the start of each day.

## Working in Day view

Day view displays a chart of the events of one day, in a table of one-hour rows. A red line indicates the current time. All-day and multi-day events are displayed at the top. Part of the title of each event is displayed in the rows that correspond to when it occurs.

## Working in Week view

Week view displays a chart of the events of one week. All-day and multi-day events are displayed at the top.

## Working in Month view


Month view displays a chart of the events of the month. Segments of each day with scheduled events are blue in the day's vertical bar.

## Viewing event details

You can view more information about an event in a number of ways, depending on the current view.



In Agenda, Day, or Week view, touch an event to view its details. In Month view, touch a day to open that day's events.

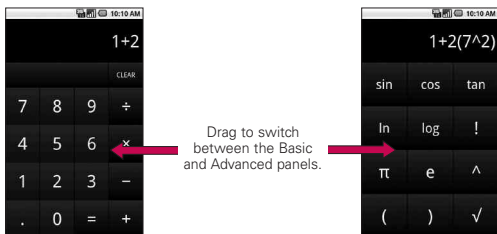
## Synchronizing and displaying calendars

1. Press the **Menu Key**  and touch **More > Calendars**.
2. Touch the icon next to a calendar to change whether it is stored on the phone and visible in Calendar. The status of the calendar is also displayed in text under its name.
3. Touch **OK** to save the settings.

## Calculator

### To open and use the Calculator

- From the Home screen, touch the **Applications Launcher** Key , then touch **Calculator** .



- Enter numbers and arithmetic operators on the Basic panel.
- Drag the Basic panel to the left to open the Advanced panel.
- Touch and hold the Calculator's display to open a menu where you can copy what you've entered and access other tools.
- Touch **Clear** to delete the last number or operator you entered. Touch and hold **Clear** to delete all of the entered information.



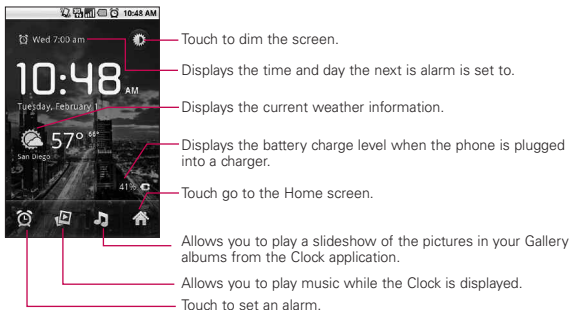
## Clock

### Viewing the Date, Time, and Other Information


You use the **Clock** application to monitor several kinds of information at once, in addition to the current date and time.

#### To open the Clock application

- From the Home screen, touch the **Applications Launcher** Key , then touch **Clock** .







When the Clock application is running, it switches to screen-saver mode after a few minutes. Simply press a phone key to wake the phone up again.


To return to the Home screen, touch **Home**  at the bottom of the Clock screen.

## ThinkFree Office

### Create a new document

1. From the Home screen, touch the **Applications Launcher Key** , then touch **ThinkFree Office**.
2. Touch **Accept > Activate now > Close** (This is necessary only when you launch this application for the first time).
3. Press the **Menu Key** , then touch **New** and choose the type of document you would like to start.
4. Enter a name for the document and touch **OK**.
5. Enter contents in the document by using the tools at the bottom of the screen.
6. When you are finished editing, press the **Menu Key** , touch **File > Save** (or **Save as** and enter a new document name), then press the **Back Key**  to exit.

### View and edit a document on your device

1. Touch the document you want to view and/or edit.
2. View and edit the document as desired.
  - To open the toolbar to edit the document (Word, text, or Excel file), press the **Menu Key**  and touch **Edit**. Use the tool bar at the bottom of the screen to edit the document.
3. When you are finished editing, save the document.

## Using Car Home

The **Car Home** application opens with five large icons that you can touch to access Navigation, Voice Search, Music, Phone, and Contacts. You can also access Map and Settings by flicking the screen to the left, as well as adjust the screen brightness.

## Home Selector

Home Selector allows you to choose the color scheme used as the Home screen. You can also download various themes from Market.

When using this product, the safety precautions below must be taken to avoid possible legal liabilities and damages. Retain and follow all product safety and operating instructions. Observe all warnings in the product operating instructions. To reduce the risk of bodily injury, electric shock, fire, and damage to the equipment, observe the following precautions.

### **ELECTRICAL SAFETY**

This product is intended for use when supplied with power from the designated battery or power supply unit.

Other usage may be dangerous and will invalidate any approval given to this product.

### **SAFETY PRECAUTIONS FOR PROPER GROUNDING INSTALLATION**

**CAUTION:** Connecting to improperly grounded equipment can result in an electric shock to your device. This product is equipped with a USB Cable for connecting to a desktop **or** **notebook** computer. Be sure your computer is properly grounded (earthed) before connecting this product to the computer. The power supply

cord of a desktop or notebook computer has an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet which is properly installed and grounded in accordance with all local codes and ordinances.

### **SAFETY PRECAUTIONS FOR POWER SUPPLY UNIT**

**Use the correct external power source**

A product should be operated only from the type of power source indicated on the electrical ratings label. If you are not sure of the type of power source required, consult your authorized service provider or local power company. For a product that operates from battery power or other sources, refer to the operating instructions that are included with the product.

### **Handle battery packs carefully**

This product contains a Li-ion battery. There is a risk of fire and burns if the battery pack is handled improperly. Do not attempt to open or service the battery pack. Do not disassemble, crush, puncture,

short external contacts or circuits, dispose of in fire or water, or expose a battery pack to temperatures higher than 60°C (140°F).

**WARNING:** *Danger of explosion if battery is incorrectly replaced. To reduce risk of fire or burns, do not disassemble, crush, puncture, short external contacts, expose to temperature above 60°C (140°F), or dispose of in fire or water. Replace only with specified batteries. Recycle or dispose of used batteries according to the local regulations or reference guide supplied with your product.*

## **SAFETY PRECAUTIONS FOR DIRECT SUNLIGHT**

Keep this product away from excessive moisture and extreme temperatures. Do not leave the product or its battery inside a vehicle or in places where the temperature may exceed 60°C (140°F), such as on a car dashboard, window sill, or behind glass that is exposed to direct sunlight or strong ultraviolet light for extended periods of time. This may damage the product, overheat the battery, or pose a risk to the vehicle.

## **PREVENTION OF HEARING LOSS**

**CAUTION:** *Permanent hearing loss may occur if earphones or headphones are used at high volume for prolonged periods of time.*

## **SAFETY IN AIRCRAFT**

Due to the possible interference caused by this product to an aircraft's navigation system and its communications network, using this device's phone function on board an airplane is against the law in most countries. If you want to use this device when its use is restricted on board an aircraft, remember to switch to Airplane Mode which turns off RF functions that could cause interference.

## **ENVIRONMENT RESTRICTIONS**

Do not use this product in gas stations, fuel depots, chemical plants or where blasting operations are in progress, or in potentially explosive atmospheres such as fueling areas, fuel storehouses, below deck on boats, chemical plants, fuel or chemical transfer or storage facilities, and areas

where the air contains chemicals or particles, such as grain, dust, or metal powders. Please be aware that sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

## **EXPLOSIVE ATMOSPHERES**

When in any area with a potentially explosive atmosphere or where flammable materials exist, the product should be turned off and the user should obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised not to use the equipment at refueling points such as service or gas stations, and are reminded of the need to observe restrictions on the use of radio equipment in fuel depots, chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. These include fueling areas, below deck on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

## **ROAD SAFETY**

Vehicle drivers in motion are not permitted to use communication services with handheld devices, except in the case of emergency. In some countries, using hands-free devices as an alternative is allowed.

## **SAFETY PRECAUTIONS FOR RF EXPOSURE**

- Avoid using your phone near metal structures (for example, the steel frame of a building).
- Avoid using your phone near strong electromagnetic sources, such as microwave ovens, sound speakers, TV and radio.
- Use only original manufacturer-approved accessories, or accessories that do not contain any metal.
- Use of non-original manufacturer-approved accessories may violate your local RF exposure guidelines and should be avoided.

## **INTERFERENCE WITH MEDICAL EQUIPMENT FUNCTIONS**

This product may cause medical equipment to malfunction. The use of this device is prohibited

in most hospitals and medical clinics.

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

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 be using equipment that could be sensitive to external RF energy.

## **HEARING AIDS**

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

## **NON-IONIZING RADIATION**

Your device has an internal antenna. This product should be operated in its normal-use position to ensure the radiative performance and safety from

interference. As with other mobile radio transmitting equipment, users are advised that for satisfactory operation of the equipment and for personal safety, it is recommended that no part of the human body be allowed to come too close to the antenna during operation of the equipment.

Use only the supplied integral antenna. Use of unauthorized or modified antennas may impair call quality and damage the phone, causing loss of performance and SAR levels exceeding the recommended limits as well as result in non-compliance with local regulatory requirements in your country.

To assure optimal phone performance and ensure human exposure to RF energy is within the guidelines set forth in the relevant standards, always use your device only in its normal-use position. Contact with the antenna area may impair call quality and cause your device to operate at a higher power level than needed. Avoiding contact with the antenna area when the phone is IN USE optimizes the antenna performance and the battery life.

**Technical Details**

CDMA Standard	Designator	Description
Basic Air Interface	TIA/EIA-95A TSB-74 ANSI J-STD-008 TIA/EIA-IS2000	CDMA Dual-Mode Air Interface 14.4kbps Radio Link Protocol and Inter-band Operations IS-95 Adapted for PCS Frequency Band CDMA2000 1xRTT Air Interface
Network	TIA/EIA/IS-634 TIA/EIA/IS-651 TIA/EIA/IS-41-C TIA/EIA/IS-124	MAS-BS PCSC-RS Intersystem Operations Non-Signaling Data Communications
Service	TIA/EIA/IS-96-B TIA/EIA/IS-637 TIA/EIA/IS-657 IS-801 TIA/EIA/IS-707-A	Speech CODEC Short Message Service Packet Data Position Determination Service (gpsOne) High Speed Packet Data
1x EV-DO Related Interface	TIA/EIA/IS-856 TIA/EIA/IS-878 TIA/EIA/IS-866 TIA/EIA/IS-890	CDMA2000 High Rate Packet Data Air Interface 1x EV-DO Inter-Operability Specification for HRPD Access Network Interfaces Recommended Minimum Performance Standards for HRPD High Rate Packet Data Access Terminal Test Application Specification (TAS) for High Rate Packet Data Air Interface



## **FCC Notice and Cautions**

### **Part 15.21 statement**

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

### **Part 15.19 statement**

This device and its accessories comply with part 15 of FCC rules. Operation is subject to the following two conditions:

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

### **Part 15.105 statement**

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If you experience interference with reception (e.g., television), determine if this equipment is causing the harmful interference by turning the equipment off and then back on to see if the interference is affected. If necessary, try correcting the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **HAC**

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses.

However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise.

Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility.

If you have questions about return or exchange policies, consult your service provider or phone retailer.

## TIA Safety Information

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

### Exposure to Radio Frequency Signal

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

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

ANSI C95.1 (1992) \*

NCRP Report 86 (1986)

ICNIRP (1996)

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

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies

with the FCC guidelines (and those standards).

### Antenna Care

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

### Phone Operation

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

### Tips on Efficient Operation

For your phone to operate most efficiently:

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

### Driving

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

- Give full attention to driving – driving safely is your first responsibility;
- Use hands-free operation, if available;

- Pull off the road and park before making or answering a call if driving conditions or the law require it.

### **Electronic Devices**

Most modern electronic equipment is shielded from RF signals.

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

### **Pacemakers**

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

### **Persons with pacemakers:**

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

### **Hearing Aids**

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

### **Other Medical Devices**

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

### **Health Care Facilities**

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

### **Vehicles**

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

### **Posted Facilities**

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

## Aircraft

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

## Blasting Areas

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

## Potentially Explosive Atmosphere

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

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


## For Vehicles Equipped with an Air Bag

An air bag inflates with great force. DO NOT place objects, including either installed or portable wireless

equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

## Safety Information

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

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

- Do not disassemble or open crush, bend or deform, puncture or shred.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard.
- Only use the battery for the system for which it is specified.
- Only use the battery with a charging system that has been qualified with the system per this standard. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- Do not short circuit a battery or allow metallic conductive objects to contact battery terminals.
- Promptly dispose of used batteries in accordance with local regulations.

- Battery usage by children should be supervised.
- Avoid dropping the phone or battery. If the phone or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- Improper battery use may result in a fire, explosion or other hazard.
- For those host devices that utilize a USB port as a charging source, check the host device's user manual for the USB-IF logo or some other means to ensure that it has completed the USB-IF compliance program.

### **Charger and Adapter Safety**

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

### **Battery Information and Care**

- Please dispose of your battery properly or take it to your local wireless carrier for recycling.
- The battery doesn't need to be empty before recharging.

- Use only LG-approved chargers specific to your phone model since they are designed to maximize battery life.
- Do not disassemble or short-circuit the battery.
- Keep the battery's metal contacts clean.
- Replace the battery when it no longer provides acceptable performance. The battery can be recharged several hundred times before replacement.
- Recharge the battery after long periods of non-use to maximize battery life.
- Battery life will vary due to usage patterns and environmental conditions.
- Use of extended backlighting, browser, and data connectivity kits affect battery life and talk/standby times.
- The self-protection function of the battery cuts the power of the phone when its operation is in an abnormal state. In this case, remove the battery from the phone, reinstall it, and turn the phone on.

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

- Do not put your phone in a place subject to excessive dust and keep the minimum required distance between the power cord and heat sources.
- Unplug the power cord prior to

cleaning your phone, and clean the power plug pin when it's dirty.

- When using the power plug, ensure that it's firmly connected. If not, it may cause excessive heat or fire.
- If you put your phone in a pocket or bag without covering the receptacle of the phone (power plug pin), metallic articles (such as a coin, paperclip or pen) may short-circuit the phone. Always cover the receptacle when not in use.
- Don't short-circuit the battery. Metallic articles such as a coin, paperclip or pen in your pocket or bag may short-circuit the + and - terminals of the battery (metal strips on the battery) upon moving. Short-circuit of the terminal may damage the battery and cause an explosion.
- When the phone is not used for a long period time, store it in a safe place with the power cord unplugged.
- Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference to the phone.
- Do not use the phone if the antenna is damaged. If a damaged antenna contacts skin, it may cause a slight burn. Please contact an LG Authorized Service Center to replace the damaged antenna.
- Do not immerse your phone in water. If this happens, turn it off immediately and remove the battery. If the phone does not work, take it to an LG Authorized Service Center.
- Do not paint your phone.

### **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.
- The data saved in your phone might be deleted due to careless use, repair of the phone, or upgrade of the software. Please backup your important phone numbers. (Ringtones, text messages, voice messages, pictures, and videos could also be deleted.) The manufacturer is not liable for damage due to the loss of data.
- When you use the phone in public places, set the ringtone to vibration so you don't disturb others.
- Do not turn your phone on or off when putting it to your ear.

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

### **Caution:** **Avoid potential hearing loss.**

Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cellular telephones, at high volume settings for long durations may lead to permanent noise induced hearing loss. This includes the use of headphones (including headsets, earbuds and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound and distorted hearing. Individual susceptibility to noise-induced hearing loss and other potential hearing problems varies.

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

- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise.
- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

**You can obtain additional information on this subject from the following sources:**



**American Academy of Audiology**  
 11730 Plaza American Drive, Suite 300  
 Reston, VA 20190  
 Voice: (800) 222-2336  
 Email: [info@audiology.org](mailto:info@audiology.org)  
 Internet: [www.audiology.org](http://www.audiology.org)

**National Institute on Deafness and Other Communication Disorders**  
 National Institutes of Health  
 31 Center Drive, MSC 2320  
 Bethesda, MD USA 20892-2320  
 Voice: (301) 496-7243  
 Email: [nidcdinfo@nih.gov](mailto:nidcdinfo@nih.gov)  
 Internet:  
<http://www.nidcd.nih.gov/health/hearing>

**National Institute for Occupational Safety and Health**  
 Hubert H. Humphrey Bldg.  
 200 Independence Ave., SW  
 Washington, DC 20201  
 Voice: 1-800-35-NIOSH (1-800-356-4674)  
 Internet:  
<http://www.cdc.gov/niosh/topics/noise/default.html>

## FDA Consumer Update

 The U.S. Food and Drug Administration's Center for Devices and Radiological Health Consumer Update on Mobile Phones:

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

The available scientific evidence does not show that any health

problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of Radio Frequency (RF) energy in the microwave range while being used. They also emit very low levels of RF when in standby mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

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

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

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

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

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

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

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

The FDA shares regulatory

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

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

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

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

These RF exposures are limited by FCC safety guidelines that were developed with the advice of the FDA and other federal health and safety agencies. When the phone is located at greater distances from the

user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits.

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

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

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

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

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect, if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors

develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

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

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

The FDA has been a leading participant in the World Health Organization International Electro Magnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The project has also helped develop a series of public information documents on EMF issues.

The FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research And Development Agreement (CRADA) to do research on wireless phone safety. The FDA provides the

scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts with independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

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

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

must report the RF exposure level for each model of phone to the FCC. The FCC website (<http://www.fcc.gov/cgb/cellular.html>) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

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

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

measurement is used to determine whether a wireless phone complies with safety guidelines.

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

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

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

The scientific evidence does not show a danger to users of wireless

phones, including children and teenagers. If you want to take steps to lower exposure to Radio Frequency (RF) energy, the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

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

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

Radio Frequency (RF) energy from wireless phones can interact with some electronic devices. For this reason, the FDA helped develop a detailed test method to measure Electro Magnetic Interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of

Medical Instrumentation (AAMI). The final draft, a joint effort by the FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

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

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

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

For additional information, please refer to the following resources:

FDA web page on wireless phones (<http://www.fda.gov>), under "C" in the subject index, select Cell Phones > Research.

Federal Communications Commission (FCC) RF Safety Program  
(<http://www.fcc.gov/cgb/cellular.html>)

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

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

Health Protection Agency  
(<http://www.hpa.org.uk/>)

## 10 Driver Safety Tips

Your wireless phone gives you the powerful ability to communicate by voice almost anywhere, anytime. An important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When operating a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.
2. When available, use a hands-free device. A number of hands-free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.
3. Make sure you place your wireless phone within easy reach and where you can reach it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your 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. Don't take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a "to-do" list while driving a car, you are not watching where you are going. It is common sense. Do not get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you

- may be stopped at a stop sign, red light, or otherwise stationary. But if you need to dial while driving, follow this simple tip - dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix; they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.
  8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations – with your phone at your side, help is only three numbers away. Dial 911 or other local emergency number in the case of fire, traffic accident, road hazard, or medical emergency. Remember, it's a free call on your wireless phone!
  9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a "Good Samaritan" in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 911 or other local emergency number, as you would want others to do for you.
  10. Call roadside assistance or a special wireless non-emergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you can still use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.
- The above tips are meant as general guidelines. Before deciding to use your mobile device while operating a vehicle, it is recommended that you consult your applicable jurisdiction's local laws or other regulations regarding such use. Such laws or other regulations may prohibit or otherwise restrict the manner in which a driver may use his or her phone while operating a vehicle.

## **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 FCC exposure limits are derived from the recommendations of two expert organizations, the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

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.

This device was tested for typical body-worn operations with the back of the phone kept 0.79 inches (2.0 cm) between the user's body and the back of the phone. To comply with FCC RF exposure requirements, a minimum separation distance of 0.79 inches (2.0 cm) must be maintained between the user's body and the back of the phone. Third-party belt-clips, holsters, and similar accessories containing metallic components should not be used. Body-worn accessories that cannot maintain 0.79 inches (2.0 cm) separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

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.

The highest SAR value for this model phone when tested for use at the ear is 0.95 W/kg and when worn on the body, as described in this user's manual, is 0.51 W/kg. While there may be differences between SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

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/ea/fccid/> after searching on FCC ID.

To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) website at <http://www.ctia.org/>

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

## **FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices**

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless phones under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless phones be compatible with hearing-aids. The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities.

While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

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

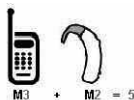
The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone

successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

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

**T-Ratings:** Phones rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. T4 is the better/ higher of the two ratings.

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



In the example to the left, if a hearing aid meets the M2 level rating and the wireless

phone meets the M3 level rating, the sum of the two values equal M5. This should provide the hearing aid user with "normal usage" while using their hearing aid with the particular wireless phone. "Normal usage" in this context is defined as a signal quality that's acceptable for normal operation.

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

When you're talking on a cell phone, it's recommended that you turn the BT (Bluetooth) mode off for HAC.

**For information about hearing aids and digital wireless phones**

**Wireless Phones and Hearing Aid Accessibility**

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

**FCC Hearing Aid Compatibility and Volume Control**

[http://www.fcc.gov/cgb/consumerfacts/hac\\_wireless.html](http://www.fcc.gov/cgb/consumerfacts/hac_wireless.html)

The LG Optimus C phone and Android™ 2.2.1 mobile platform feature the following specifications.

Physical dimensions	Height: 4.47 inches Width: 2.32 inches Depth: 0.52 inches Weight: 4.72 oz.
Storage	Internal Memory: 170MB microSD card: 2GB microSD card included (expandable to 32GB)
Display	3.2-inch (diagonal) widescreen 320x480 pixels
Power and battery	Removable 1500 mAH Li-Ion Talk time: Up to 7 hours Standby time: Up to 20 days
Cellular and wireless	800 MHz CDMA Cellular 1.9 GHz CDMA PCS 1.7 / 2.1 GHz CDMA AWS EVDO Rev A 1xRTT Wi-Fi (802.11 b/g) Bluetooth 2.1 + EDR HFP/HSP/A2DP/AVRCP/OPP/PBAP/FTP
External keys and controls	Power/Lock Key Function Keys (Menu, Home, Back and Search) Volume Keys Camera Key

Connectors, sensors, indicators, and audio	3.5mm, 4-conductor, stereo headset jack microSD card slot Micro USB port Proximity sensor Earpiece/ Speaker Microphone
Location	Assisted global positioning system (AGPS) receiver Cell tower and Wi-Fi positioning Digital compass Accelerometer
Camera	3.2 megapixels Autofocus from 10cm to infinity 4X digital zoom Embedded photo location marker capability (from phone's AGPS receiver) Video captured at 640x480 pixels
Platform	Android mobile technology platform 2.2.1 (Froyo)

## DivX Mobile

**ABOUT DIVX VIDEO:** DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified® device that plays DivX video. Visit [www.divx.com](http://www.divx.com) for more information and software tools to convert your files into DivX video.


**ABOUT DIVX VIDEO-ON-DEMAND:** This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to [vod.divx.com](http://vod.divx.com) for more information on how to complete your registration.


DivX Certified® to play DivX® video up to 320x240

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Please check to see if any problems you have encountered with your phone are described in this section, before taking the phone in for service or calling a service representative.

Category	Sub-Category	Question	Answer
BT	Bluetooth Devices	What are the functions available via Bluetooth?	Connecting to Stereo/Mono Headset, Car Kit, FTP server is possible. When it's connected to another phone via Bluetooth, you can receive Contacts data.
BT	Bluetooth Headset	If my Bluetooth headset is connected, can I listen to my music through my 3.5mm wired headphones?	When a Bluetooth headset is connected, all system sounds are played over the headset. As a result, you will not be able to listen to music through your wired headphones.
Data	Contacts Backup	How can I back up Contacts?	The Contacts data can be synchronized between your phone and Gmail™.
Data	Synchronization	Is it possible to set up one-way-sync with Gmail?	Only two-way synchronization is available.



Category	Sub-Category	Question	Answer
Data	Synchronization	Is it possible to synchronize all the Email folders?	The Inbox is automatically synchronized. You can view other folders by pressing the <b>Menu key</b>  and touching <b>Folders</b> .
Data	Synchronization	Is it possible to transfer Contacts data from a feature phone to Android™ phone?	Yes, if your contacts can be extracted into a .CSV file. <b>How to do:</b> 1. Create "CSV" file with the contacts on your current phone (you may be able to use the PC suite software provided by LGE). 2. Log into Gmail with your PC. 3. Click <b>Contacts</b> . 4. Click <b>Import</b> . 5. Attach the "CSV" File. 6. Your contacts will then be synchronized between your Android phone and Gmail.
Data	Web-Upgrade	Will user data be lost after software web updates?	Your data is safe. If it becomes necessary, you will be notified through a pop-up message.
Google™ Service	Gmail Log-In	Should I have to log into Gmail whenever I want to access Gmail?	Once you log into Gmail, you don't need to log in Gmail again.


Category	Sub-Category	Question	Answer
Google Service	Google Account	Is it possible to filter emails?	No, email filtering is not supported via the phone.
Phone Function	YouTube™	Is it possible to play YouTube videos?	Yes, YouTube videos are supported but may have to be viewed through the YouTube application (and not the Browser).
Phone Function	Email	What happens when I execute another application while writing an email?	Your email will automatically be saved as a draft.
Phone Function	Ringtone	Is there a file size limitation for when I want to use a .MP3 file as a ringtone?	There is no file size limitation.
Phone Function	Message Time	My phone does not display the time of receipt for messages older than 24 hrs. How can I change this?	You will only be able to see the times for messages received the same day.
Phone Function	microSD Card	Is it possible to save applications to the microSD card?	<p>Some applications can be saved to the microSD card.</p> <ol style="list-style-type: none"> <li>1. From the Home screen, press the <b>Menu Key</b>  and touch <b>Settings &gt; Applications &gt; Manage applications</b>.</li> <li>2. Touch an application, then touch <b>Move to SD card</b>.</li> </ol>






Category	Sub-Category	Question	Answer
Phone Function	microSD Card	What is the maximum supported size for a memory card?	32GB memory cards are compatible.
Phone Function	Navigation	Is it possible to install another navigation application on my phone?	Any application that is available on Android Market™ and is compatible with the hardware can be installed and used.
Phone Function	Synchronization	Is it possible to synchronize my contacts from all my email accounts?	Only Gmail & MS Exchange server(Company Email Server) contacts can be synchronized.
Phone Function	Wait and Pause	Is it possible to save a contact with Wait and Pause in the numbers?	<p>If you transferred a contact with the W &amp; P functions saved into the number, you will not be able to use those features. You will need to re-save each number.</p> <p>How to save with Wait and Pause:</p> <ol style="list-style-type: none"> <li>1. From the Home screen, press the <b>Phone</b> icon .</li> <li>2. Touch the <b>Phone</b> tab.</li> <li>3. Enter the number, then press the <b>Menu Key</b> .</li> <li>4. Touch <b>Add 2-sec pause</b> or <b>Add wait</b>.</li> </ol>

Category	Sub-Category	Question	Answer
Phone Function	Security	What are the phone's security functions?	You are able to set the phone to require the entry of an Unlock Pattern before the phone can be accessed or used.
Phone Function	Unlock Pattern	What should I do if I forget my the Unlock Pattern?	After attempting the Unlock Pattern 5 times, you can touch the <b>Forget Pattern?</b> option and use your Google account information to unlock your phone.
Phone Function	Unlock Pattern	What should I do if I forgot the Unlock Pattern and I didn't create the Google account on the phone?	<p>Without entering the Unlock Pattern, you will not be able to access your phone.</p> <p><b>Caution:</b> If you perform a factory reset, all user applications and user data will be deleted. Please remember to back up any important data before performing a factory reset.</p> <p><b>How to perform a factory reset:</b></p> <ol style="list-style-type: none"><li>1. Turn the power off.</li><li>2. Press and hold the following keys at the same time for 5 seconds: <b>Home Key + Power/Lock Key + Down Volume Key.</b></li><li>3. When the power turns on, release these keys.</li></ol>




Category	Sub-Category	Question	Answer
Phone Function	Unlock Pattern	How do I create the Unlock Pattern?	<ol style="list-style-type: none"> <li>1. From the Home screen, press the <b>Menu Key</b> .</li> <li>2. Touch <b>Settings &gt; Location &amp; security</b>.</li> <li>3. Touch <b>Set up screen lock</b> (under the <b>Screen unlock</b> section). Touch <b>Pattern</b>. The first time you do this, a short tutorial about creating an Unlock Pattern appears.</li> <li>4. Set up by drawing your pattern once, then again for confirmation.</li> </ol>
Phone Function	Speed Dial	Is Speed Dialing supported?	<p>Speed dialing, as available in other feature phones, is not available. However, you are able to directly save a contact to your Home screen.</p> <ol style="list-style-type: none"> <li>1. From the Home screen, press the <b>Menu Key</b> , and touch <b>Add</b>.</li> <li>2. Touch <b>Shortcuts &gt; Direct dial</b>.</li> <li>3. Select a contact from your Contacts List.</li> </ol>
Phone Function	Memory	Is it possible to save a picture to the internal memory after taking a picture?	<p>Pictures, along with Music and Video files, can only be saved to external memory.</p>

Category	Sub-Category	Question	Answer
Phone Function	Memory	Will I know when my memory is full?	Yes, you will receive a notification.
Phone Function	Language Support	Is it possible to change the language?	<b>To change the language:</b> 1. From the Home screen, press the <b>Menu Key</b>  and touch <b>Settings</b> . 2. Touch <b>Language &amp; keyboard</b> > <b>Select language</b> . 3. Touch the desired language.
Phone Function	Language Support	Which languages are supported when using Android Market?	The Market application supports English and Spanish. Third party applications may not support all languages.
Phone Function	DUN	Is it possible to use my phone's data connection for Dial-Up Networking?	No, this is not supported.

Category	Sub-Category	Question	Answer
Phone Function	VPN	How do I set up a VPN?	VPN access configuration is different according to each company. To configure VPN access from your phone, you must obtain the details from your company's network administrator.
Phone Function	Screen time out	My screen turns off after only 30 seconds. How can I change the amount of time for the backlight to turn off?	<ol style="list-style-type: none"> <li>1. From the Home screen, press the <b>Menu Key</b> .</li> <li>2. Touch <b>Settings &gt; Display</b>.</li> <li>3. Under <b>Display settings</b>, touch <b>Screen timeout</b>.</li> <li>4. Touch the preferred screen backlight timeout time.</li> </ol>
Phone Function	Tactile feedback	I've turned off haptic feedback on my phone. However, when I dial a number, the phone still vibrates. How do I turn this off?	<ol style="list-style-type: none"> <li>1. From the Home screen, press the <b>Menu Key</b> .</li> <li>2. Touch <b>Settings &gt; Sound</b>.</li> <li>3. Touch <b>Haptic feedback</b> to remove the checkmark and disable the function.</li> </ol>
Phone Function	Wi-Fi & 3G	When Wi-Fi and 3G are both available, which service will my phone use?	<p>When using data, your phone may default to the Wi-Fi connection (if Wi-Fi connectivity on your phone is set to On). However, there will be no notification when your phone switches from one to the other.</p> <p>To know which data connection is being used, use the 3G or Wi-Fi icon at the top of your screen.</p>

Category	Sub-Category	Question	Answer
Phone Function	Home screen	Is it possible to remove an application from the Home screen?	Yes. Just touch and hold the icon until the trash can icon appears at the bottom-center of the screen. Then, without lifting your finger, drag the icon to the trash can.
Phone Function	Application	I downloaded an application and it causes a lot of errors. How do I remove it?	<ol style="list-style-type: none"><li>1. From the Home screen, press the <b>Menu Key</b> .</li><li>2. Touch <b>Settings &gt; Applications &gt; Manage applications</b>.</li><li>3. Touch the application, then touch <b>Uninstall</b>.</li></ol>
Phone Function	Camera	My phone's camera does not take pictures and says "No SD Card or SD card is not ready!". Why doesn't it work?	A microSD card must be inserted in order to use the phone's camera.

Category	Sub-Category	Question	Answer
Phone Function	Alarm	Can I use music files for my Alarm?	<p>Yes. After saving a music file as a ringtone, you can use it for your alarm.</p> <ol style="list-style-type: none"> <li>1. Touch and hold a song in a library list. In the menu that opens, touch <b>Use as phone ringtone</b>.</li> <li>2. In an alarm clock setting screen, select the music as a ringtone.</li> </ol>
Phone Function	Alarm	Will my alarm be audible or will it go off if the phone is turned off?	No, this is not supported.
Phone Function	Alarm	If my Ringer Volume is set to <b>Off</b> or <b>Vibrate</b> , will I hear my Alarm?	Your Alarm is programmed to be audible even in these scenarios.
Phone Spec	Battery Time	What is the maximum amount of time my phone's battery will last before I need to recharge it?	<p>Talk time : Approx. 7 Hours</p> <p>Standby : Approx. 20 days</p>
Phone Spec	Band	Which wireless bands are supported by the phone?	Your phone is able to operate on the 800Mhz, 1900MHz and 1700/2100MHz bands.

Category	Sub-Category	Question	Answer
Recovery Solution	Factory Reset	How do I perform a factory reset?	<ol style="list-style-type: none"><li>1. From the Home screen, press the <b>Menu Key</b> .</li><li>2. Touch <b>Settings &gt; Privacy &gt; Factory data reset</b>.</li><li>3. Read the warning and touch <b>Reset phone</b>.</li><li>4. Touch <b>Erase everything</b>.</li></ol> <p><b>Attention:</b> If a factory reset is performed, all installed application and user data will be erased. Please remember to back up any important data before performing a factory reset.</p>
Recovery Solution	Factory Reset	How can I perform a factory reset if I can't access the phone's setting menu?	<p>How to perform a factory reset:</p> <ol style="list-style-type: none"><li>1. Turn the power off.</li><li>2. Press and hold the following keys at the same time for 5 seconds: <b>Home Key</b>  + <b>Power/Lock Key</b>  + <b>Down Volume Key</b>.</li><li>3. When the power turns on, release these keys.</li></ol> <p><b>Attention:</b> If a factory reset is performed, all installed applications and user data will be erased. Please remember to back up any important data before performing a factory reset.</p>



**1. WHAT THIS WARRANTY COVERS:**

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

- (1) The limited warranty for the product extends for TWELVE (12) MONTHS beginning on the date of purchase of the product with valid proof of purchase, or absent valid proof of purchase, FIFTEEN (15) MONTHS from date of manufacture as determined by the unit's manufacture date code.
- (2) The limited warranty extends only to the original purchaser of the product and is not assignable or transferable to any subsequent purchaser/end user.
- (3) This warranty is good only to the original purchaser of the product during the warranty period as long as it is in the U.S., including Alaska, Hawaii, U.S. Territories and Canada.
- (4) The external housing and cosmetic parts shall be free of defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.
- (5) Upon request from LG, the consumer must provide information to reasonably prove the date of purchase.
- (6) The customer shall bear the cost of shipping the product to the Customer Service Department of LG. LG shall bear the cost of shipping the product back to the consumer after the completion of service under this limited warranty.

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

- (1) Defects or damages resulting from use of the product in other than its normal and customary manner.
- (2) Defects or damages from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration,

improper installation, or other acts which are not the fault of LG, including damage caused by shipping, blown fuses, spills of food or liquid.

- (3) Breakage or damage to antennas unless caused directly by defects in material or workmanship.
- (4) That the Customer Service Department at LG was not notified by consumer of the alleged defect or malfunction of the product during the applicable limited warranty period.
- (5) Products which have had the serial number removed or made illegible.
- (6) This limited warranty is in lieu of all other warranties, express or implied either in fact or by operations of law, statutory or otherwise, including, but not limited to any implied warranty of marketability or fitness for a particular use.
- (7) Damage resulting from use of non LG approved accessories.
- (8) All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal customer use.
- (9) Products operated outside published maximum ratings.
- (10) Products used or obtained in a rental program.
- (11) Consumables (such as fuses).

### **3. WHAT LG WILL DO:**

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

**4. STATE LAW RIGHTS:**

No other express warranty is applicable to this product. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN. LG SHALL NOT BE LIABLE FOR THE LOSS OF THE USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF, OR INABILITY TO USE, THIS PRODUCT OR FOR ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY APPLICABLE TO THIS PRODUCT.

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

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

If you experience any problems with either the Bluetooth headset or the mobile handset, in each case as may be covered by this limited warranty, you need only return the affected device. For example, if a problem exists with the Bluetooth headset, please DO NOT return your mobile handset with the headset. Likewise, if a problem exists with the mobile handset, please DO NOT return the Bluetooth Headset with the handset.

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

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

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

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

**DO NOT RETURN YOUR PRODUCT TO THE ABOVE ADDRESS.**

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

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