TC-12835

LG-VS835

User guide.

User guide.

Guía del usuario.

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LG-VS835

### Before you begin using your new phone

Included in the box with your phone are separate information leaflets. These leaflets provide you with important information regarding your new device. Please read all of the information provided. This information will help you to get the most out of your phone, reduce the risk of injury, avoid damage to your device, and make you aware of legal regulations regarding the use of this device.

It's important to review the Product Safety and Warranty Information guide before you begin using your new phone. Please follow all of the product safety and operating instructions and retain them for future reference. Observe all warnings to reduce the risk of injury, damage, and legal liabilities

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### **Phone Overview**

#### Front View

Notification LED	4 Earpiece
<b>9</b> Front Camera	• Proximity/ Ambient
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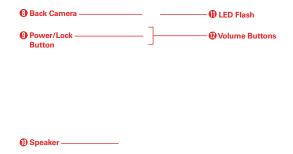
NOTES • All screen shots in this guide are simulated. Actual displays may vary.

- Instructions to perform tasks in this guide are based on the default settings and may change depending on the mode and software version on your phone.
- Notification LED Illuminates to indicate an incoming call, an incoming message, screen lock, etc.
- Front Camera Use to take pictures and record videos of yourself. You can also use this for video chatting. Keep it clean for optimal performance.
- Back Button Returns to the previous screen. Also closes pop-up items, such as menus, dialog boxes and the on-screen keyboard.
- 4. Earpiece Lets you hear callers and automated prompts.
- 5. Proximity/ Ambient Light Sensor Senses proximity toward other objects (such as your head) so that tap commands are not accidentally activated during a call or when carried inside a pocket. It also employs an ambient sensor which measures the surrounding light and adjusts the LCD brightness to provide a vivid screen.

NOTE Don't block the sensor or near the sensor to avoid problems with the touch screen.

- Recent Apps Button Displays recently used applications and your open website tabs. If you touch and hold this button, it opens a menu of available options.
- Home Button Returns to the Home screen from any screen. If you touch and hold this button, it opens the Google app.

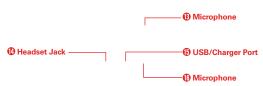
#### Rear View



- Back Camera Use to take photos and record videos. Keep it clean for optimal performance.
- Power/Lock Button Press to turn off the screen backlight and lock the screen, or turn the screen backlight back on. Press and hold to turn the phone on/off, restart it, and activate/deactivate Airplane mode.
- Speaker Use to listen to audio (e.g., music, videos, sound clips, speakerphone, etc.) from the rear speaker instead of the earpiece.
- LED Flash Brightens up the captured image or recorded video when you turn on the flash. When activated in the Accessibility settings, it will also flash to alert you (e.g., incoming calls and messages, alarms, etc).
- 12. Volume Buttons Press to adjust the ringer, the media volumes, or the in-call volume during a call. They also access shortcuts when enabled in the Settings menu.

- TIPS
- With the screen backlight off (asleep), you can press the Volume Down button twice to activate the Camera app (if enabled in the Settings).
- With the screen backlight off (asleep), you can press the Volume Up button twice to access the Capture+ app (if enabled in the Settings).

#### Top and Bottom Views



- Microphone Transmits your voice to the other caller. It's also used for voice-activated functions.
- Headset Jack Allows you to plug in an optional headset for convenient, hands-free conversations. You can also plug in headphones to listen to music.
- 15. USB/Charger Port Allows you to connect the phone and the USB cable for use with the charger adapter, or other compatible accessories.
- Microphone Transmits your voice to the other caller. It's also used for voice-activated functions.

# Help

The **Help** app allows you to quickly and conveniently view information about your phone, including how-to videos, Icon glossary, etc.

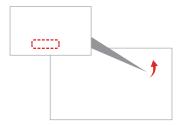
To access Help, tap the Home Button  $\bigcirc$  > swipe left, if necessary > tap Help.

# **Setting Up Your Phone**

Your phone already has a SIM card installed.

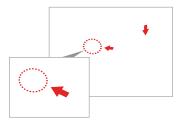
# Step 1. Remove the Back Cover

With the phone facing down, insert your fingernail into the cutout located on the lower left of the back cover and lift the cover up gently.



## Step 2. Insert the Battery

Insert the battery, making sure the gold contacts line up. Press down gently to secure.



## Step 3. Replace the Back Cover

Align the cover over the back of the phone, and then press down along the Flash edges to secure.



# Step 4. Charge the Phone

Before turning on your phone, charge it fully.

Plug the small end of the USB cable into the USB/charger port on your phone. Plug the other end into the charger and plug the charger into an outlet

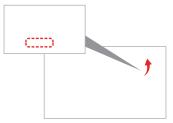


WARNING! Only use approved chargers with your device. Incompatible chargers or tampering with the charging port could damage your device and void the warranty.

# Removing the Battery and SIM Card

## Removing the battery

 Turn the phone off, then with the phone facing down, insert your fingernail into the cutout located on the lower left of the back cover and lift the cover up gently.



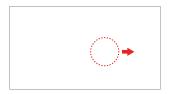
2. Use the fingertip cutout at the bottom of the battery compartment to lift the battery out.



#### Removing the SIM card

The SIM card is pre-installed in your smartphone. If you need to replace your SIM card, refer to the following instructions.

- Turn the phone off, then remove the back cover (as demonstrated in the previous instructions).
- Locate the slot for the SIM card (at the upper-right side of the phone) and gently slide the SIM card out to remove it.



# Inserting and Removing a Memory Card

## Inserting a microSD card

- 1. Remove the back cover (as demonstrated in the previous instructions).
- Position the microSD card (sold separately) with the label side facing up and the gold contacts toward the slot (at the upper-left side of the phone), then carefully slide it into the slot until it's secured in place.

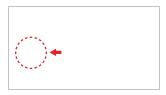


NOTE

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

#### To remove the microSD card

- 1. Unmount the microSD card.
  - ▶ Tap the Home Button > touch and hold the Recent Apps Button □ > Settings > Storage & USB > the Eject icon △.
- Remove the back cover and locate the microSD card slot (as demonstrated in the previous instructions).
- 3. Carefully pull the microSD card out to remove it.



#### To unmount the microSD card

It's important to unmount the microSD card prior to removing it from the phone to avoid damage to it or the data saved on the card.

- 1. Tap the Home Button  $\bigcirc$  > touch and hold the Recent Apps Button  $\square$ .
- 2. Tap Settings > Storage & USB.
- 3. Tap the **Eject** icon .

# **Charging Your Phone**

Your phone comes with a USB cable and a charger adapter. You can connect them together and charge from a power outlet, or you can use the USB cable alone to charge from your computer. Correctly orient the plugs before insertion to avoid damaging your cable, adapter, and/or ports.

NOTE

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

 Correctly orient the USB cable with the charger adapter and connect them. As shown below, both the USB logo on the USB cable and the LG logo on the adapter will face toward you.



- The USB/Charger port is located at the bottom of the phone. Correctly orient the cable's plug with the port before plugging it in. As shown on the following page, the USB logo on the cable will face upward.
- 3. Plug the charger adapter into a power outlet to begin charging.

### Charging with the USB Cable



USB Cable

NOTE Make sure to correctly orient the cable's plug with the port before plugging it in.

When the phone is facing upward, the USB logo on the cable will also face upward.

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 USB/Charger port on your phone (as shown above) and connect the other end to a USB port on your PC. It's best to use the rear USB port when connecting to a desktop PC. The USB hub should be powered by an external power source.

NOTE

You may experience a slower charging rate when charging from your computer.

# **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 apps and system resources consume battery power.

#### Tips to extend the life of your battery

- ▶ Reduce the screen brightness and set a shorter screen timeout.
- ▶ Turn off radio communications (such as Wi-Fi, Bluetooth®, GPS, etc.) that you're not actively using. (Note that the GPS receiver is only turned on when you're using an app that makes use of it.)
- ▶ Turn off automatic syncing for Gmail, Calendar, Contacts, and other apps if you don't need it.

NOTE

Allowing other devices to use your device's hotspot connection will drain your battery more quickly.

### To check the battery charge level

Tap the Home Button  $\bigcirc$  > touch and hold the Recent Apps Button  $\square$  > Settings > Battery.

- ▶ The battery level (as a percentage of fully charged) and the battery status (Charging or Discharging) is displayed at the top of the screen.
- ▶ Enable the Battery percentage on Status Bar switch to display the percentage of remaining battery charge on the Status Bar next to the battery icon.
- ▶ Tap Battery saver to view and/or modify your Battery saver settings.

#### To monitor and control what uses the battery

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

Þ	Tap the Home Button $\bigcirc$ > touch and hold the Recent Apps Button $\square$ >
	Settings > Battery > Battery usage.

OR

- ▶ Tap the Home Button > touch and hold the Recent Apps Button □ > Settings > About phone > Battery > Battery usage.
  - The top of the Battery usage screen displays a usage graph and below it, battery usage times. It lists all of the apps or services using battery power from the greatest amount of energy used to the least amount.
- ▶ Tap an app or service in the Battery usage screen to see details about its power consumption. Different apps or services offer different kinds of information, and they may even include options to modify the settings so you can reduce power consumption by that app (or stop running the app).

#### Battery saver

Battery saver changes certain settings to conserve battery power until you can recharge your phone. If you turn Battery saver **On**, it will automatically activate when the battery charge level drops to the level you set. If Battery saver is off, you'll be prompted to turn on Battery saver when the battery reaches low levels.

- ► Tap the Home Button > touch and hold the Recent Apps Button □ > Settings > Battery > Battery saver.
- ▶ From the Battery saver screen, tap Turn Battery saver on, then select to activate Battery saver immediately, or when the charge drops to 5% or 15%. If you turn off Battery saver, when the battery charge becomes low, a notification prompts you to turn it on.
- ▶ Enable the Restrict apps in background switch to conserve more of your battery power while in Battery saver mode.
- ▶ After you modify the Battery saver settings to your preferences, tap the Battery saver switch to toggle it On (blue) or Off (gray).

# Turning Your Phone On and Off

#### Turning your phone on

 Press and hold the Power/Lock button for a couple of seconds until the screen turns on.

### Turning your phone off

- Press and hold the Power/Lock button until the Phone options menu appears.
- Tap Power off.
- 3. Tap POWER OFF to confirm that you want to turn off the phone.

### Turning the screen on using the KnockON feature

The KnockON feature allows you to double-tap the screen to easily turn the screen on or off.

- Quickly double-tap the center of the dark screen to turn on the backlight and display the Lock screen.
- Quickly double-tap the Status Bar, an empty area on the Home screen, or the Lock screen to turn the screen off

#### NOTES

- · The backlight will not turn on if the proximity sensor is covered.
- When the screen is off and you double-tap the screen with Knock Code activated, the Knock Code grid is displayed for you to enter your Knock Code.

### Turning the screen on using the Knock Code feature

If your Lock screen unlock sequence is set to a Knock Code, tap your Knock Code on the darkened screen to automatically turn on the backlight and unlock the screen at the same time.

TIP

When the screen is in timeout and a Knock Code is set, pressing the Power/Lock button displays the Lock screen (e.g., to check the time). You can tap your Knock Code to unlock the screen or press the Power/Lock button again (or double-tap the Status Bar) to turn the backlight back off.

#### NOTES

- Enter the incorrect Knock Code 5 times and a caution is displayed. Enter it incorrectly again and you'll be prompted to enter your backup PIN to unlock your phone.
- Use a fingertip instead of a fingernail to tap your Knock Code on the screen.

#### Setting up the Knock Code feature

- Tap the Home Button > touch and hold the Recent Apps Button □ > Lock screen settings.
- 2. Tap Select screen lock > Knock Code.
- Tap the squares in a pattern (from 6 to 8 taps) to set your Knock Code, tap DONE, enter it again, then tap CONFIRM.

NOTE

You'll be prompted to enter and confirm a back up PIN.

#### To unlock the phone

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

NOTE

The default Lock screen simply locks the screen to prevent unintentional actions. For more security to guard against unauthorized use, you can set an unlock requirement (such as a Knock Code, pattern, PIN, or password) that will need to be entered to unlock it.

- 1. Turn the screen on.
  - ▶ Press the Power/Lock button ......

#### OR

▶ Quickly double-tap the center of the screen (KnockON).

NOTE

Avoid covering the proximity sensor when turning the screen on. Doing so, prevents the screen from turning on.



- 2. From the center of the screen, swipe in any direction to unlock it.
  - ➤ To use a shortcut, swipe upward across the shortcut icon (at the bottom of the screen). The screen will unlock and launch the app.

NOTE You can set the shortcut apps you want in the Lock screen settings.

# Your Google Account

You must sign into a Google Account to use Gmail, Hangouts, Google Calendar, and other Google apps; to download apps from Play Store; to back up your settings to Google servers; and to take advantage of other Google services on your phone.

#### IMPORTANT

- If you don't sign into a Google Account during setup, you're prompted to sign in or to create a Google Account the first time you start an app that requires one, such as Gmail or Play Store.
- When you sign in, you're prompted to enter your username and password using the on-screen keyboard.
- After you sign in, your contacts, Gmail messages, Calendar events, and other information from these apps and services on the web are synchronized with your phone.
- If you have an enterprise account through your company or other organization, your IT department may have special instructions on how to sign in to that account.

### Setting up your Google Account

No matter if you use Setup Wizard or launch an application that requires a Google Account (such as Play Store or Gmail), you'll be guided through the following steps.

1. Enter your email and tap NEXT.

NOTE If you don't already have a Google Account, tap Or create a new account and follow the on-screen prompts to create your new account.

- 2. Enter your password and tap NEXT.
- 3. Follow the rest of the instructions on the screen.

Your Gmail, Google Contacts, and Google Calendar events will all be synchronized with your phone automatically.

### **Anti-Theft Guide**

You can set up your device to prevent other people from using it if it's been reset to factory settings without your permission. For example, if your device is lost, stolen, or wiped, only someone with your Google Account or screen lock information can use the device.

All you need to make sure your device is protected is:

- Set a screen lock: If your device is lost or stolen but you have a screen lock set, the device can't be erased using the Settings menu unless your screen is unlocked
- ▶ Enable the Secure start-up lock: If your device is lost or stolen, but you've locked your start-up, it can't be powered on unless your unlock requirement is entered.
- ▶ Add your Google Account on your device: If your device is wiped but you have your Google Account on it, the device can't finish the setup process until your Google Account information is entered again.

After your device is protected, you'll need to either unlock your screen or enter your Google Account and password if you need to do a factory reset. This ensures that you or someone you trust is doing the reset.

NOTE

Do not forget your Google Account and password you had added to your device prior to performing a factory reset. If you can't provide the account information during the setup process, you won't be able to use the device at all after performing the factory reset.

#### Touch Screen

Your touch screen provides an excellent way to interact with and use your Android™ phone. With the touch of your finger, you can download and use available apps, make menu selections, and access data saved to your phone.

**Touch or tap** A single finger touch selects items. For example, tap an icon (e.g., an app, widget, or folder), tap words (e.g., menu selection or to answer an on-screen question), or touch letters and numbers to type.

NOTE

Don't press too hard on the screen. It's sensitive enough to detect a light, firm tap.

**Touch and hold** Touch an item on the screen and don't lift your finger until an action occurs. For example, to open a context menu for a contact, touch and hold the contact entry until the menu pops up.

**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. For example, you can drag items on the Home screen to reposition them.

Swipe, slide, or flick Move your finger quickly across the surface of the screen, without pausing when you first touch it (so you don't drag an item instead). For example, you can browse through the Home screens by swiping left and right, slide the screen up or down to scroll through a list, or remove an app from the Recent apps screen by flicking its graphic off the screen.

**Double-tap** Tap the screen twice quickly to zoom, highlight text, or turn the screen on/off. For example, quickly double-tap a section of a web page to zoom that section to fit the width of the screen and control the zoom in Maps and in other apps. Double-tap a word to highlight it. Double-tap can also activate the KnockON feature to turn the screen on or off

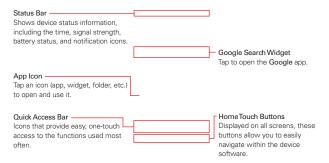
NOTE Certain Accessibility features (such as Touch zoom) use a triple-tap gesture to zoom or activate functions. A triple-tap will also activate a new event in the Calendar app.

**Multi-touch** Use your index finger and thumb in a pinch motion (to zoom out) or spread motion (to zoom in) when using Chrome, a map, photos, the rear camera lens, and in lists (e.g., Contacts, Groups, and the Messaging list). Spread apart to make screen information larger (easier to see and read), or pinch together to view more area and information. The pinch gesture also affects the Home screen. Spread apart on the Home screen to hide all of your Home screen items, then pinch in to redisplay them

Rotate the screen From many apps and menus, the orientation of the screen adjusts to the phone's physical orientation by rotating the screen. You can deactivate this function in the Display settings menu.

# Getting to Know the Home Screen

The Home screen is your starting point to access all of the features on your phone using simple motions on the screen. It's comprised of multiple panels (swipe horizontally to switch). You can customize all of your Home screen panels with app shortcuts, icons, widgets, folders, and other features.



#### Quick Access Bar icons

The Quick Access Bar is located on all of your Home screen panels to allow quick and easy access to the apps you use most often.

#### Modifying the Quick Access Bar icons

- ▶ Rearrange: Touch and hold the icon to move, then drag it to another position in the Quick Access Bar or on a Home screen panel.
- Add: Touch and hold the icon (on any of your Home screen panels), then drag it onto the Quick Access Bar. The Quick Access Bar can accommodate up to 7 icons. Drag an icon on top of an icon in the Quick Access Bar to create a folder with multiple apps in it.
- Remove: Touch and hold the icon to remove from the bar, then drag it to another location on your Home screen.

#### Home Touch Buttons

The Home Touch Buttons are displayed in a bar at the bottom of all of the screens to provide easy navigation within the device software.

- ≼ Back Button: Tap to back up one step at a time and close on-screen items such as pop-up messages, the on-screen keyboard, etc.
- O Home Button: Tap to immediately return to the Home screen. Touch and hold it to access the Google shortcut.
- □ Recent Apps Button: Tap to display the apps you've recently used (your open websites may also be displayed). Touch and hold it to access available options for the current screen or app.

NOTE

You can choose whether or not to display your open websites in the Recent Apps screen. From the Chrome app, tap the Options icon : > Settings > Merge tabs and apps (enable or disable the setting).

### Modifying the Home Touch Buttons

You can change which buttons are displayed in the Home Touch Buttons Bar, as well as how their position.

- Tap the Home Button > touch and hold the Recent Apps Button □ >
   Settings > Display > Home touch button combination.
- Select which Home Touch Buttons you want in the bar and their location within the bar.
  - Drag the buttons on the bar to reposition them, as well as add (or remove) the Notification button and/or the Capture+ button.

#### To return to the Home screen

▶ Tap the Home Button ○ at any time, from any app.

### To view other Home screen panels

 Swipe (or flick) your finger left or right across the Home screen's sliding panels. You can add additional panels to allow more space for icons, widgets, shortcuts, and other items.



Home Screen Panel Indicator

The white dot (above the Quick Access Bar) indicates the current Home screen panel.

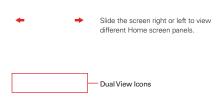
▶ Tap any of the Home screen panel indicator dots (above the Quick Access Bar) to immediately jump to that panel.

#### Hiding items on the Home screen

Place two fingers on the screen, then spread them apart to hide the items on your Home screen so that only your wallpaper, the Status Bar, the Home screen indicator dots, and the Home Touch Buttons Bar are displayed. To redisplay your Home screen with all of its icons and widgets, pinch in on the screen or tap the Back Button ⊲.

NOTE The device automatically reverts to the full screen view after screen timeout.

#### Using Dual View



Dual view allows you to easily customize your Home screen. Touch and hold an empty spot on a Home screen panel to view your Home screen on top and the Dual view icons (Widgets, Wallpapers, Grid, and Home screen settings) on the bottom. Flick sideways to scroll through the Home screen panels to display the panel you want. Tap the Dual view icon you want to use. From Grid or Home screen settings, tap the change(s) you want to make. From Wallpapers, select from the available choices and complete your selection as necessary. From Widgets, scroll horizontally through the choices. Touch and hold the one you want, then drag it onto the Home screen panel you want and complete your selection as necessary.

TIP If you drag the widget to the right edge of the screen, it creates a new Home screen panel.

NOTE The Quick Access Bar isn't displayed while in Dual view.

To return to the full screen view, tap the Back Button  $\triangleleft$  or tap one of the Home screen panels.

NOTE The device automatically reverts to full screen view after screen timeout.

### EasyHome screen version

EasyHome is a more simplified version of the Home screen that you can choose to use on your phone.

Tap the Home Button  $\bigcirc$  > touch and hold the Recent Apps Button  $\square$  > Home screen settings > Select Home > EasyHome.

The EasyHome Home screen has three panels.

#### Main panel

The main panel has 12 application icons, it displays the date and time and also displays weather information.

- ▶ Tap an app icon to use it. Touch and hold one to remove or replace it.
- ▶ The top right of the screen displays the date and time. Tap it to access the Clock app.
- ▶ The top left of the screen displays a Weather widget. Tap it to access the Weather app.

#### Communication panel

Swipe to the right on the main panel to access a panel for your Contact shortcuts as well as access the Phone app's **Dial** tab, **Recent** tab, and **Contacts** tab.

- ▶ Tap one of the 12 shortcuts, then tap the contact you want to set. Tap a shortcut's Dial icon to call its number. Tap a shortcut's image to select Make voice call, Make video call, Send message, or Remove shortcut.
- ▶ Tap Dial, Recent, or Contacts to open the Phone app with the corresponding tab displayed (Dial displays the dialpad, Recent lists all of your recent calls, and Contacts displays your entire Contacts list). You can change tabs to access other Phone app information.

#### Additional shortcuts panel

Swipe to the left on the main panel to access a panel you can customize with additional app shortcuts and open the Applications screen.

- ▶ Tap the Apps icon to open the Applications screen with all of your installed apps.
- ▶ Tap an app to use it. Touch and hold one to remove or replace it.
- ▶ Tap the Add icon +, then tap the app you want to add to the shortcuts panel.
- ▶ Tap the Google search box to open the **Google** app (or tap its microphone to search by voice).

### To change back to the Android Home screen

Tap the Home Button  $\bigcirc$  > swipe left, if necessary > tap the Settings icon  $\bigcirc$  > Home screen > Select Home > Home.

#### Home with app drawer

Home with app drawer is another version of the Home screen that you can choose to use on your phone. This version places all of your installed and downloaded apps in an Applications screen instead of on your Home screen panels. The **Apps** icon in the Quick Access Bar provides you with access the Applications screen which allows you to set just the app shortcuts and widgets you want on your Home screen.

Tap the Home Button  $\bigcirc$  > touch and hold the Recent Apps Button  $\square$  > Home screen settings > Select Home > Home with app drawer.

#### The Home with app drawer Home screen

By default, the Home with app drawer has two panels for your app shortcuts and widgets.

- ▶ To add additional panels, pinch in on the Home screen, then tap the Add panel icon ■
- ▶ To rearrange your panels, touch and hold the panel, then drag it where you want it.
- ➤ To delete a panel, touch and hold the panel, then drag it to the Remove bar at the top of the screen.
- ▶ To set which panel is your default Home screen panel, tap the **Default** panel icon (a) on the panel you want.

#### Adding app shortcuts

▶ Tap the Apps icon in the Quick Access Bar to open the Applications screen, then touch and hold the app you want. The Applications screen closes and you can drag the app shortcut icon to any of your Home screen panels.

#### OR

▶ Touch and hold an empty spot on your Home screen to display Dual view with your Home screen panels on top and your shortcut options (Apps, Widgets, and Wallpapers) on the bottom. You can swipe horizontally to change Home screen panels and find the shortcut you want. Tap the shortcut you want to place it automatically or drag one on to the Home screen panel to manually place it. Tap the Back Button < when you're done adding your shortcuts.

### Removing app shortcuts

Touch and hold the app shortcut you want to remove, then drag it to the Remove bar at the top of the screen.

## To change back to the Android Home screen

Tap the Home Button  $\bigcirc$  > touch and hold the Recent Apps Button  $\square$  > Home screen settings > Select Home > Home.

# Apps: How to View, Open, and Switch



Home screen

Home screen

#### Opening an app

▶ Open an app simply by tapping its icon on the screen.

#### Opening multiple apps

- 1. Tap an app icon to open it.
- 2. Tap the Home Button O.
- 3. Tap the icon for the other app you want to open.

### Switching between multiple apps

- 1. Tap the Recent Apps Button  $\square$ . A screen opens and displays screenshot tabs of all of the apps (and websites) that are currently open.

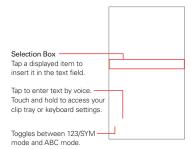


### Moving apps to other Home screen panels

You can move app icons to any Home screen panel. Touch and hold, then drag the icon to the left or right edge of the screen to advance to the other panels before lifting your finger.

## **Text Input Methods**

The on-screen keyboard displays automatically on the screen when you need to enter text. To manually display the on-screen keyboard, simply tap a text field where you want to enter text.



### Modifying your LG keyboard characteristics

Tap the Home Button ○ > touch and hold the Recent Apps Button □ > Settings > Language & input > LG Keyboard > Keyboard height and layout.

- ➤ The QWERTY layout setting allows you to select the default buttons on either side of the Space button.
- ▶ The Extended keyboard switch allows you to display the numeric buttons on the top row of the keyboard.
- ▶ The Keyboard height setting allows you to change the size ratio between the keyboard (including the size of its buttons) and the screen.
- The Keyboard type in landscape setting allows you to set the keyboard to be expanded or compressed when the phone is in landscape mode.

- The Split keyboard switch allows you to split the keyboard in half by spreading two fingers horizontally on the landscape keyboard. This makes it easier to type using your thumbs.
- ▶ The One-handed operation switch allows you to swipe the keyboard left or right to adjust the position of the LG keyboard (portrait mode only) to use just one hand to type.

Typing tips				
Enter other characters	Tap the Numbers/Symbols button to display its keyboard. Tap the Arrow buttons on the left side of the keyboard to view additional symbols. From the Numbers/Symbols keyboard, you can also tap the Graphics button to enter graphics into your text. To enter foreign characters, touch and hold the associated button to display a pop-up of character choices (e.g., the "a" button also includes an accent mark "á"), drag your finger to the character you want, then lift your finger.			
Enter one capital letter	Tap the <b>Shift</b> button to capitalize the next letter. The button changes to <b>1</b> .			
Enter all capital letters	Double-tap the <b>Shift</b> button at to set caps lock. The button changes to <b>*</b> . Tap again to revert to lowercase.			
Highlight text	Double-tap a word to highlight it. To highlight a range of text, double-tap a word, then drag the highlight markers to highlight the text you want.			
Using highlighted	Highlight the desired text, then tap CUT or COPY in the action box above the highlighted text.  Tap the Options: icon in the action box to access SHARE or CLIPTRAY.			

Typing tips		
Paste cut or copied text	Tap the location where you want to paste the text, then tap the marker . Tap PASTE in the action box that appears (or tap CLIPTRAY to paste text you copied from other places).	
Delete a character	Tap the <b>Delete</b> button	
Accessing the Clip Tray and keyboard settings	Touch and hold the <b>Voice input</b> button , then drag your finger to the <b>ClipTray</b> icon  or the <b>Settings</b> icon  in the pop-up that appears).	
Path input text entry	Swipe your finger through all of the letters of the word you want to automatically enter it (instead of tapping each letter separately).	
	NOTE Enable the Path input setting to use this feature.	

# Text input settings

To change your text input settings and see the dictionary of terms you've used, tap the Home Button  $\bigcirc$  > touch and hold the Recent Apps Button  $\bigcirc$  > Settings > Language & input. From this menu you can change the language for your phone's software, set your keyboard input (including setting multiple languages and how it reacts), set Google voice settings, set your voice search and text-to-speech output preferences, as well as the set the pointer reaction time and more. See the Settings section for more information about the keyboard settings.

#### Languages

You can set only one default language for your phone, but you can set multiple languages used for the on-screen keyboard.

#### To change the default language

▶ Tap the Home Button ○ > touch and hold the Recent Apps Button □ > Settings > Language & input > Language > tap the language you want.

### To add additional languages for your keyboard

▶ Tap the Home Button ○ > touch and hold the Recent Apps Button □ > Settings > Language & input > LG Keyboard > Select languages, then checkmark the languages you want the keyboard to be able to use.

# Capturing a Screenshot

Press and hold the **Volume Down** button and the **Power/Lock** button at the same time for 2 seconds to capture a screenshot of the current screen

To view the captured image, tap the **Home Button**  $\bigcirc$  > swipe left, if necessary > **Gallery**  $\bigcirc$  > the **Screenshots** album.

### Using Capture+ to capture a screenshot

On the screen you want to capture, drag the Status Bar downward and tap the Capture+ icon  $\square$  (in the Quick settings bar). The image is captured, but not saved until you tap the **Done** icon  $\checkmark$ .

NOTE Make sure that the paper style is not set to paper.

Access the app (QuickMemo+ or Gallery) where you saved it to view your captured image.

NOTE Screenshots saved to the Gallery app are in the Capture+ album.

# Phone's Status Icons

The Status Bar appears at the top of every screen. It displays icons indicating that you've received notifications (on the left) and icons indicating the phone's status (on the right), along with the current time.



The following icons may appear in the Status Bar.

## Call icons

	<b>C</b>	In call	×	Missed call
	<b>(</b> )	Speakerphone is on	*	Microphone is muted
ſ	<b>I</b>	Video call		

## Sound icons

	Do not disturb - Priority only	<b>•</b>	Music playing
	Do not disturb - Total silence	II	Music paused
×	Silent mode	<b></b>	Vibrate mode

#### Network icons

3G ++	3G connected	3G <b>‡</b> ‡	3G in use
4G8 + ₹	4G LTE connected	4G8 <b>+</b> ₹	4G LTE in use
**	Wi-Fi connected	llı.	Signal strength
Illi.	No signal	R	Roaming
Â	Network Extender	×	No SIM card
?	Unknown SIM card	4	Airplane mode is activated
9	GPS is on	<b>®</b>	App update is available
<del>श्री</del>	App update successful	<u>+</u>	Downloading

<u>+</u>	Uploading	$\succeq$	Download successful
A	Emergency Alert		

# Connectivity icons

(( <sup>1</sup> ))	Mobile Hotspot is on	$\Phi$	USB connected
<b>*</b>	USB debugging mode	<b>(P</b> )	USB tethering
8	Bluetooth device connected	8	Bluetooth is on
*1	Bluetooth headset full battery	*1	Bluetooth headset low battery
	NFC is on	n	Headset is connected
Q	Headset with microphone is connected	ଯ	Internal storage is full
=0	Data backup failed		

# Email and Messaging icons

@	New email	<b>@</b>	Email not sent
目	New message	1	Message not sent
മ	New voice mail		

### Calendar and Alarm icons

Alarm is set	Upcoming events	
--------------	-----------------	--

# **Battery icons**

	Full battery	Ţ	Charging battery
	Low battery		Empty battery
×	Not Charging		Warning battery

### Other icons

•	More notifications available	Screenshot saved
<b>=</b>	Keyboard	

# **Managing Notifications**

Notification icons report the arrival of new messages, calendar events, alarms, as well as ongoing events, such as when you're on a call. When you receive a notification, the notification icon will be displayed in the Status Bar. You can open the Notifications panel to view a list of all of your recent notifications. Depending on your settings, you may hear a notification sound, and/or the phone may vibrate, and/or see a notification light.

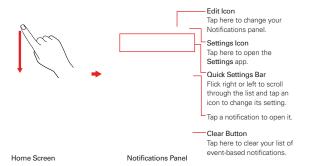
# To open the Notifications panel

Touch and drag the Status Bar to the bottom of the screen.

The Notifications panel displays a list of your current notifications, organized into ongoing and event-based notifications. The Quick settings bar (at the top of the panel) allows you to quickly and easily change commonly used settings.



You can also access the complete Settings menu from this panel by tapping the Settings icon 🔞.



#### To respond to a notification

- Open the Notifications panel. Your current notifications are listed in the panel, each with a brief description.
- 2. Tap a notification to view it.

The Notifications panel will close and the app that corresponds to your selection will open. For example, Gmail notifications open the **Gmail** app so you can read your new messages.

# Quick settings on the Notifications panel

You can customize your Notifications panel to allow quick access to change commonly used settings. You can include a Quick settings bar of icons, as well as individual settings for Brightness and Volume.

# Customizing your Notifications panel

You can set the order of the icons displayed in the Quick settings bar as well as which icons are displayed and enable/disable the individual settings.

- Open the Notifications panel, then tap the Edit icon \( \nabla \). The top white section indicates your Quick settings bar icons. The lower gray section holds all of the available icons. The checkboxes at the bottom of the screen enable or disable the individual settings.
  - ➤ To add an icon: Touch and hold the icon, then drag it to the upper section of the screen.
  - ➤ To delete an icon: Touch and hold the icon, then drag it to the lower section of the screen
  - ➤ To move an icon: Touch and hold the icon, then drag it to another position in the upper section.
  - Checkmark each of the individual settings you want to appear inyour Notifications panel.
- 2. Tap the Back Button ☐ to return to the Notifications panel.

# Setting Your Lock Screen

There are several Lock screen types allowing you to lock your phone so that only you can unlock it to make calls, access your data, buy apps, and otherwise prevent unauthorized use.

### Setting a Screen Lock for the First Time

- Tap the Home Button > touch and hold the Recent Apps Button □ > Lock screen settings.
- Tap Select screen lock.
- Tap Swipe, Knock Code, Pattern, PIN, or Password.

Swipe: A swipe motion in any direction on the screen will unlock the screen. This is the default Lock screen that simply guards against unintentional actions.

Knock Code: Unlocks the screen using a tapping a sequence on the screen's 2x2 grid. (When the screen is in timeout, the 2x2 grid is invisible, but the grid is displayed on the Knock Code Lock screen.) The first time you set a Knock Code, you'll see a tutorial with instructions on how to create it. Tap a sequence on the 2x2 grid (from 6 to 8 taps), then tap DONE. Tap your sequence again and tap CONFIRM.

NOTE You're prompted to create a Backup PIN as a safety measure in case you forget your Knock Code unlock sequence.

Pattern: Unlocks the screen using a pattern you draw with your finger. The first time you set an unlock pattern, you'll see a tutorial with instructions on how to create it. Draw your pattern (connect at least 4 dots) and tap NEXT. Then redraw your pattern and tap CONFIRM.

PIN Unlocks the screen with a number sequence. Enter a PIN (at least 4 digits) and tap NEXT. Reenter your PIN and tap OK to confirm it.

Password Unlocks the screen with an alphanumeric sequence. Enter a password (at least 4 characters) and tap NEXT. Re-enter your password and tap OK to confirm it.

From then on, any time you want to unlock the screen, you'll need to perform the unlock action you set (swipe, Knock Code, pattern, PIN, or password) to gain access to it.

# Changing Your Screen Lock

1.	「ap the Home Button $\bigcirc$ > touch and hold the Recent Apps Button $\Box$ >
	Lock screen settings.

- 2. Tap Select screen lock.
- 3. Confirm your unlock information (if necessary).
- 4. Tap the desired screen lock option.
- You're prompted to enter your screen unlock sequence (and Backup PIN, if necessary).

#### NOTES

- If you've set up a Microsoft Exchange account, you might only be able to use a password.
- After 5 unsuccessful attempts to unlock your phone, you're prompted to enter a
  text phrase to confirm that you're trying to unlock your phone, unless you've set a
  Knock Code. After 6 unsuccessful Knock Code attempts, you're prompted to enter
  your Backup PIN to unlock your phone.
- You have 10 opportunities to enter your unlock sequence. After 10 unsuccessful attempts, your phone will automatically perform a factory data reset and all of your personal files will be erased. You will be warned after the 9th unsuccessful attempt.

# Security lock timer

If a security lock is enabled, you can set the delay time after the screen darkens due to inactivity before the screen automatically locks and requires you to enter your unlock sequence.

- Tap the Home Button > touch and hold the Recent Apps Button □ > Lock screen settings.
- 2. Tap Security lock timer, then tap the setting you want to use.

# Power button instantly locks

If a security lock is enabled, enable the **Power key instantly locks** switch to override the Security lock timer setting and lock the screen as soon as you press the **Power/Lock** button .

- Tap the Home Button > touch and hold the Recent Apps Button □ > Lock screen settings.
- 2. Enable the Power key instantly locks switch.

# The Lock screen wallpaper

You can set the Lock screen wallpaper separately from your Home screen wallpaper.

- Tap the Home Button > touch and hold the Recent Apps Button □ > Lock screen settings.
- 2. Tap Wallpaper.
  - ▶ Tap Wallpaper gallery to select one of the available wallpaper images.
  - ▶ Tap Gallery to select an image from your Gallery.

# Wi-Fi

With Wi-Fi, you can use high-speed Internet access within the coverage of the wireless access point (AP). Enjoy wireless Internet using Wi-Fi, without extra charges.

### Connecting to Wi-Fi networks

To use Wi-Fi on your phone you need to access a wireless access point or 'hotspot'. Some access points are open and you can simply connect to them. Others are hidden or use security features. You must configure your phone to be able to connect to them. Turn off Wi-Fi when you're not using it to extend the life of your battery.

# Turning Wi-Fi on and connecting to a Wi-Fi network

- Tap the Home Button O > swipe left, if necessary > tap Settings > Wi-Fi.
- 2. Tap the Wi-Fi switch to turn Wi-Fi on and start scanning for available Wi-Fi networks.
- 3. Tap SEARCH to see a list of active and in-range Wi-Fi networks.
  - ▶ Secured networks are indicated by a lock icon.
- 4. Tap a network to connect to it.
  - ▶ If the network is secured, you're prompted to enter a password or other credentials. (Ask your network administrator for details.)
- 5. The Status Bar displays icons that indicate your Wi-Fi status.

# Wi-Fi Direct

Wi-Fi Direct provides a direct connection between Wi-Fi enabled devices without requiring an access point.

# Turning on Wi-Fi Direct

- Tap the Home Button O > swipe left, if necessary > tap Settings O > Wi-Fi.
- 2. Tap the Menu icon : > Advanced Wi-Fi > Wi-Fi Direct.

# **Bluetooth**

You can use Bluetooth to send data by running a corresponding application, but not from the Bluetooth menu as on most other mobile phones.

#### NOTES

- LG is not responsible for the loss, interception, or misuse of data sent or received via the Bluetooth wireless feature.
- Always ensure that you share and receive data with devices that are trusted and properly secured. If there are obstacles between the devices, the operating distance may be reduced.
- Some devices, especially those that are not tested or approved by Bluetooth SIG, may be incompatible with your device.

# Turning on Bluetooth and pairing your phone with a Bluetooth device

You must pair your phone with a Bluetooth device before you connect to it.

- 1. Tap the Home Button O > swipe left, if necessary > tap Settings 🔯 > Bluetooth
- 2. Tap the **Bluetooth** switch to turn Bluetooth on and search for the devices within your phone's range.
- 3. Choose the device you want to pair with from the list.

Once pairing is successful, your phone will connect to the device.

# Send data using the Bluetooth wireless feature

1. Open the item you want to send, then tap the Sharing icon .

### OR

Touch and hold the item you want to send, then select Share.

#### OR

Open the item you want to send, then tap the Menu icon : > Share.

2. Tap Bluetooth to share via Bluetooth.

**NOTE** The method for selecting an option may vary by data type.

3. Search for and pair with a Bluetooth-enabled device.

# PC Connections with a USB Cable

You can connect your phone to your PC to charge it and transfer items to the PC from the phone (and vice versa).

# Synchronize with Windows Media Player

Ensure that Windows Media Player is installed on your PC.

 Use the USB cable to connect the phone to a PC on which Windows Media Player has been installed.

NOTE If necessary, change the USB connection setting to File transfer.

- 2. When connected, a pop-up window will appear on the PC. Select the Windows Media Player option to synchronize music files.
- 3. Edit or enter your device's name in the pop-up window (if necessary).
- 4. Select and drag music files to the sync list.
- 5. Start synchronization.

NOTE Change the USB connection setting to Charging only before disconnecting your

▶ The following requirements must be satisfied to synchronize with Windows Media Player.

Item	Requirements
OS	Microsoft Windows XP SP2, Vista or higher
Windows Media Player version	Windows Media Player 10 or higher

# PC Connections with a USB Cable for Mac OS X Users

You can transfer media contents to your Mac OS X PC from the phone and vice versa by setting up the Android File Transfer program.

- Download and install the Android File Transfer program from the android.com website for Mac Users (http://www.android.com/ filetransfer/).
- 2. Connect your phone to your computer, and double click the AFT (Android File Transfer program) application to start it up.
- 3. You can view media contents, then drag and drop media files to and from the phone (or PC).

# Placing and Ending Calls

The **Phone** app allows you to dial phone numbers manually or make calls from your phone's memory. Manually dial calls using the **Dial** tab. Dial from your phone's memory using the **Recent** tab, the **Contacts** tab, or the **Groups** tab.

# To open the Phone app

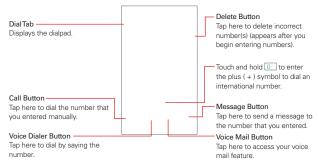
▶ Tap the Home Button ○ > the Phone icon <.

# Moving between the Phone app tabs

Tap any of the Phone app tabs (Dial, Recent, Contacts, and Groups) at the top of the screen to view that tab. You can also swipe the screen horizontally to scroll to the other tabs. The current tab is displayed in white.

# To place a call by dialing

1. Tap the Home Button  $\bigcirc$  > the Phone icon  $\bigcirc$  > Dial tab.



- 2. Use the dialpad to enter the number you want to call.
  - ▶ Tap the **Delete** button **(** it to erase digits one by one (or touch and hold it to erase the entire number).

- To dial an international number, touch and hold to enter the plus (+) symbol. Then enter the international prefix for the country, followed by the full phone number.
- 3. Tap the Call button (on the dialpad) to dial the number that you entered
  - ▶ Press the Volume buttons to adjust the call volume.
  - ▶ Use the on-screen buttons to enter additional numbers, add another call, use the speakerphone, end the call, and other options.
  - You can use other phone features while the call is underway (however you can't use mobile data during a call). If you open another app, the Ongoing call portal appears on the screen for the duration of the call to easily navigate back to the Call screen.

NOTE

If you opened other apps while on a call, return to the Call screen or open the Notifications panel to end the call. To return to the Call screen, simply tap the Ongoing call portal or tap the Home Button  $\bigcirc$  > Phone icon  $\bigcirc$  You can also drag the Status Bar down to open the Notifications panel, then tap End call in the Current call notification (tap the notification to return to the Call screen instead).

You can make High Definition Voice and Video calls as well as calls over Wi-Fi when you add Advanced Calling to your line.

Visit VerizonWireless.com/AdvancedCalling to learn how.

#### To end a call

Simply tap the End button on the Call screen to end the call.

If you accessed other device functions while the call was in progress, there are several ways to return to the Call screen to end the call.

- ▶ Tap the Ongoing call portal.
- ▶ Tap the Home Button ○, then tap the Phone icon <
- Drag the Status Bar down, then tap the Current call notification on the Notifications panel (or just tap End call in the Current call notification).

NOTE

You can also press the Power/Lock button  $\[ \]$  to end the call, if you activated this feature in the Call settings (tap the Menu icon  $\[ \]$  > Call settings > Answer and end calls > enable the End calls with the Power key switch).

# Calling numbers in your phone's memory

You can place calls using information stored in your phone. Anywhere you see a Call icon & next to a number, tap it to automatically dial it.

# Speed dialing

If you set up Speed dials in the **Contacts** app, you can dial a number by simply touching and holding the Speed dial number on the dialpad.

▶ Tap the Home Button ○ > the Phone icon S > Dial tab, then touch and hold the Speed dial number (tap the first number, then touch and hold the second number for 2-digit speed dials).

# Direct dialing

A Direct dial widget is like a speed dial button on your Home screen. Tap it to automatically call the number you set (for example, your home phone number).

# To place a Direct dial widget on your Home screen

- 1. Touch and hold an empty area on your Home screen.
- 2. Tap the Widgets icon Widgets.
- 3. Tap and hold Direct dial.
- 4. Tap the contact in your Contacts list.

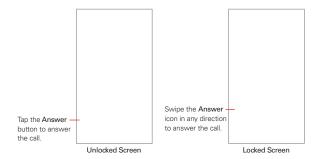
# **Answering or Rejecting Calls**

When you receive a phone call, the Incoming call screen opens with the caller ID and any additional information about the caller that you've saved in the contact's entry. All incoming calls are recorded in the **Recent** tab.

#### To answer a call

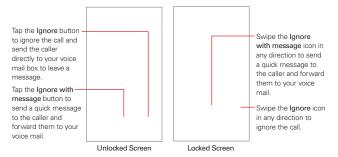
- If the screen is unlocked, simply tap the Answer button
- If the screen is locked, swipe the **Answer** icon in any direction to answer the call
- If you were already on a call, tap the Answer button which places the first call on hold and connects the new call.

NOTE To silence the incoming call ringer, press either of the Volume buttons.



# To ignore a call and divert it to Voice Mail

- If the screen is unlocked, simply tap the Ignore button
- If the screen is locked, swipe the **Ignore** icon locked in any direction to ignore the call.
- ▶ The caller is sent directly to your voice mail box to leave a message.



NOTE To silence the incoming call ringer, press either of the Volume buttons.

# To ignore a call and send a text message

To display the Ignore with message option on the Incoming call screen, enable it in the Phone app's Call settings menu.

- Tap the Home Button O > the Phone icon > the Menu icon > Call settings.
- Tap the Call ignore and reject > Allow ignore with message switch to toggle it On (blue).

TIP Tap Allow ignore with message to manage your text message choices.

NOTE This feature can only be used to send a message to another mobile phone. It's not applicable to incoming landline calls.

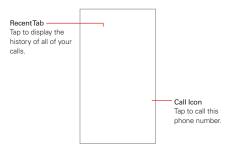
# Working with the Recent Tab

The Recent tab records all of the calls you've dialed, received, missed, or ignored. It offers a convenient way to redial a number, return a call, or add a number to your Contacts.

#### To open the Recent tab

► Tap the Home Button ○ > the Phone icon > the Recent tab, if necessary.

The Recent tab lists your calls chronologically by phone number and call type. The number in parenthesis indicates the number of calls recorded for that phone number and type.



# Viewing call entry details

Open the Recent tab, then tap an entry to view all of the entries for that phone number and call type. Each one includes the call type (received  $\leftarrow$ , dialed  $\rightarrow$ , missed  $\sim$ , and ignored  $\sim$ ), the date and the time of the call.

# Filtering your list of calls

To view a specific call list, from the **Recent** tab, tap the **Menu** icon it tap **Filter**. Tap the call type you want to view.

Tap the Back Button < to return to the Recent tab screen.

#### To dial a number in the Recent tab

- ▶ From the Recent tab, tap the Call icon & at the right of the call entry.
- From the Recent tab, tap the image to the left of the call entry to view other information saved in your phone's memory for that contact. Tap a phone number to dial it.

TIP

To insert an area code when you're traveling, touch and hold the entry, then tap Copy call number in the context menu. Change to the Dial tab, touch and hold the phone number field, tap PASTE, then edit the number as necessary before tapping the Call button

# Clearing your Recent calls

You can delete the entire list of Recent calls at once or selectively delete entries.

- 1. Open the Recent tab.
- 2. Tap the Menu icon i.
  - Tap Clear to select entries to remove from the list. Checkmark the entries to delete, tap CLEAR, then CLEAR.
  - ▶ Tap Clear all to remove all of the entries from the list. Tap CLEAR to confirm you want to delete the entire list.

NOTE

You can also select a specific number to be deleted. Touch and hold an entry in the Recent tab. Tap Clear all logs of this number, then tap CLEAR to confirm.

# Calling Your Contacts

Instead of manually dialing phone numbers using the dialpad, you can use your Contacts list to dial quickly and easily.

If you have contacts on the web, they're synchronized with your phone when you first synchronize with your Google<sup>TM</sup> Account.

#### To call a contact

- Tap the Home Button O > swipe left, if necessary > tap the Contacts icon .
- Tap the contact you want to call, then tap the contact's phone number you want to call.



If the entry only has one phone number saved, simply tap the Call icon \ next to the entry to dial it.

#### Instant List

Instant list is displayed on the **Dial** tab to help you use the information stored in your phone without needing to search for it first. Once you begin entering numbers, Instant list displays entries from your Contacts list or Recent calls that match the sequence you entered.

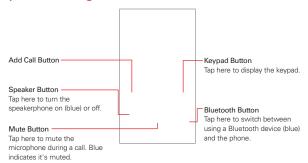
# Sequence matches

Your phone searches for the entered sequence within your stored phone numbers. The matching number sequence is displayed within the number in blue text. The name and type of number (i.e., Mobile, Work, etc.) associated with the number you entered is displayed above the dialpad. When there are multiple matches, the Instant list displays the number of matches in your phone's memory. Tap the Instant list icon  $\bigcirc$  on the right side of the screen to view the entire list of matching entries.

# Selecting an Instant list entry

Tap an entry in the Instant list to insert it in the phone number field, then tap the Call button to dial it.

# **Options During a Call**



NOTE

Tap the Menu icon : on the Call screen to access Contacts.

# Managing Multiple Calls

Contact your wireless service provider to find out which call services are supported.

# To switch between current calls

The current call will be placed on hold and you'll be connected with the other call



#### To set up a conference call

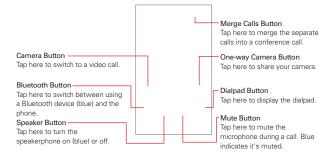
Contact your wireless service provider to find out whether they support conference calls and how many participants you can include.

- Place a call to the first participant.
- 2. When you're connected, tap the Add call button 💝 on the Call screen.
- 3. Enter a phone number.
  - Use the Phone app tabs to select a saved number, then tap the Call icon &.

#### OR

- Use the buttons on the dialpad to manually enter a number, then tap the Call button
- 4. After you're connected, tap the Merge calls button 

  n the Call screen. The participant is added to the conference call and the Call screen indicates a conference call is active.



# Listening to Your Voice Mail

When you have a new voice mail message, the Voice Mail notification icon appears in the Status Bar. If you haven't set up your voice mail number. or if you need to change it, you can do that in the Call settings. Tap the Menu icon in the Phone app (from the Dial tab or the Recent tab).

### To listen to your Voice Mail

▶ Open the Notifications panel and tap the New voice mail.

#### OR

▶ Tap the Home Button ○ > swipe left, if necessary > tap the Verizon folder :> Voice Mail ...

#### OR

▶ Tap the Home Button ○ > the Phone icon <a> > the Dial tab > the Voice</a> Mail button .

# To set up your Voice Mail

Typically, your carrier's voice mail system guides you through the process of listening to and managing your voice mail. The first time you call your voice mail, it also guides you through the process of recording greetings, setting a password, etc.

- 1. Tap the Home Button  $\bigcirc$  > the Phone icon  $\bigcirc$  > the Dial tab.
- 2. Dial \*86 on the dialpad to call to your voice mailbox.
- 3. Follow the setup tutorial.
  - Enter a password.
  - Record a voice signature and greetings for your voice mailbox.

# **Contacts**

The **Contacts** app allows you to store names, phone numbers, and other information in your phone's memory. Entries are listed alphabetically. You can scroll through the list or select the Groups tab.

Use the Contacts app to add, view, and communicate with your friends, acquaintances, and associates.

# To open your Contacts app

▶ Tap the Home Button ○ > swipe left, if necessary > tap the Contacts icon ②.

NOTE You can also tap the Contacts tab from the Phone app.

If you don't have any contacts in your Google Account or on your SIM card, hints will be displayed to help you start adding contacts to your phone.

#### Contacts list

When you open the **Contacts** app, your contacts list is displayed. The alphabet is displayed vertically along the right side of the screen. You can drag along it or tap the letter you want.

In Case of Emergency contacts is displayed above your list of contacts. Add up to 5 emergency entries from your contacts list. These are entries that someone can contact on your behalf in the event of an emergency, whether or not the phone is locked.

### To add ICF entries

- Tap the Home Button O > swipe left, if necessary > tap the Contacts icon .
- 2. Tap In Case of Emergency contacts (at the top of the list).
- 3. Tap the Add entry icon ...
- 4. Checkmark the entry (or entries) to add to your ICE list, then tap DONE.

#### ICE Information

In addition to your emergency contacts, you can enter personal information about you (such as medical record number, allergies, medications, special instructions, etc.) that can be accessed in case of an emergency. To add your personal information:

- 1. From the emergency contacts screen, tap the Information icon 🗓
- 2. Tap the Add icon +, enter your information, then tap SAVE.

#### To search for a contact

- 1. Tap the Home Button O > swipe left, if necessary > tap the Contacts icon (1).
- 2. Tap the Search contacts box and enter the contact name. Matches are displayed as you begin to type.

# Searching your online contacts simultaneously

You can search for your contacts simultaneously from all of your online accounts.

To set your phone to search simultaneously, open the Contacts app, tap the Menu icon : > Contacts settings > enable the Online search switch.

# To open your groups list

▶ Open the Contacts app and tap the Groups tab.

Groups displays your contacts by category (at the top of the screen) and your accounts (at the bottom of the screen).

NOTE

Tap the Menu icon : from the Groups tab to access Share, Change order, and Contacts settings.

#### To view details about a contact

- Open the Contacts app.
- 2. Tap the contact whose details you want to view.



- The information you entered for the contact is displayed. The following options are available (depending on the types of information saved).
  - ▶ The Dial icon & places a call to the number.
  - ▶ The Message icon ≡ starts a message.
  - ▶ The Email icon @ starts an email.
  - ➤ The Menu icon accesses the following menu options: Share, Forward, Merge, Refresh, Set as default, Add to default group, Back up, Add to Home screen, and All calls to voice mail.

# **Adding Contacts**

You can add contacts on your phone and synchronize them with the contacts in your Google™ Account, Microsoft Exchange account, or other accounts that support syncing contacts.

Since your contacts can come from a variety of sources, the **Contacts** app attempts to join new information with existing similar contact entries to create a single entry. You can also manage that process manually by joining or separating entries.

#### To add a new contact

- 1. Open the Contacts app.
- 2. Tap the **New contact** icon ••.
- Tap the Accounts field to select the where you want to save the contact, if necessary.

NOTE To change the account later, edit the entry, tap the account, then tap the account you want it assigned to.

- Enter the contact's name.
- 5. Tap a category of contact information, such as phone number or email address, to enter that kind of information about your contact.
  - ➤ Tap a category's Add new icon ① to add more than one entry for that category. For example, in the phone number category, enter a work number and add a home number. Tap the label field to the right of the entered information to open a drop-down menu of preset labels. For example, Home or Work for a phone number.
  - ► Tap Add another field to add additional fields including Phonetic name, Organization, IM, Notes, Nickname, Website, and Events.
- 6. Personalize the contact entry.
  - ▶ Set the group this contact belongs in.
  - ▶ Set a ringtone to identify calls from this contact.
  - ▶ Set a message alert sound to identify notifications from this contact.
  - ▶ Tap the Image icon ⓐ to select a picture to identify the name in your list of contacts and in other apps.
- 7. When you're finished, tap SAVE.

# Editing a Contacts entry

- 1. Open the Contacts app, then tap the contact entry you want to edit.
- 2. Tap the Edit icon /
- 3. Edit the entry as needed, then tap SAVE.

# Merging and separating contacts

When you have two or more entries for the same contact, you can merge them into a single entry. You can also separate contacts that were merged.

- Open the Contacts app, then tap the contact entry you want to join with another entry.
- 2. Tap the Menu icon :
- 3. Tap Merge.
- 4. Tap a suggested entry or tap Show all contacts to select another entry.

Once entries have been merged, **Separate** is included in the options menu to allow you to separate the joined entries.

- 1. Open the Contacts app, then tap the contact entry you want to separate.
- 2. Tap the Menu icon ...
- 3. Tap Separate.
- 4. Tap SEPARATE.

# Setting Speed Dials

# Designating multiple speed dials

- Open the Contacts app, then tap the Menu icon :...
- 2. Tap Speed dial.
- 3. Tap the speed dial number to assign, then tap the Contact entry for it.
- Repeat selecting a speed dial number and the desired Contact entry as necessary.

# Transfer type

When you want to send your contacts entries, you can combine them all into one file or you can send separate vCard files.

To set the transfer type, from the Contacts app, tap the Menu icon : > Contacts settings > Transfer type.

- ➤ Send as one file: This setting combines all of your contacts into one file. It allows a faster transfer, but some devices can't receive contact information sent using this option.
- ▶ Send separately: This setting sends each contact as a separate vCard file. It allows all devices to receive your files.

# Messaging

Three apps are preloaded on your phone that allow you to send messages: the **Messaging** app \_\_\_\_ the **Message+** app \_\_\_ and the **Hangouts** app \_\_\_, but only one can be set as your default messaging app which will enable you to use all of app's features.

# To open the Messaging app

▶ Tap the Home Button ○ > swipe left, if necessary > tap the LG folder ○ > Messaging □

NOTE

The Messaging app must be set as the default messaging app in order to use it. If Messaging is not your default app, a pop-up will appear. Tap YES to set it.

# Using the Messaging app

To use the Messaging features, you must set it as the default messaging app.

NOTE You can view your messages in the **Messaging** app without setting it as your default app, but you can't create a message.

 Tap the New message icon to start a new text or multimedia message.



- ▶ Tap an existing message thread to open it.
- ▶ Tap the **Delete** icon iii to delete message threads.
- ▶ Tap the Menu icon : to access Search and Settings.

**NOTE** Pinch in (or spread apart) on your list of messages to resize it for easier viewing or navigation.

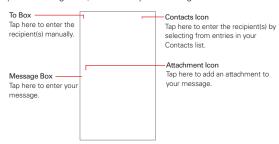
# To delete a message thread from the Messaging window

- 1. Touch and hold the message thread.
- 2. Tap Delete in the context menu that opens.
- 3. Tap **DELETE** to confirm you want to delete the message thread.

# To send a text message

- Open the Messaging app (set it as your default, if necessary), then tap the New message icon
- 2. Enter the recipient(s) in the To box.
  - ▶ Tap the Contacts icon <sup>△</sup>, select one or more entries from your Contacts list, then tap DONE.
  - Enter a name (or a partial number), then tap a suggestion displayed from your Contacts list.
  - ▶ Enter a number manually for phone numbers not in your Contacts list.

3. Tap the message box, then enter your message.



If you tap the Back Button ☐ while composing a message, it's automatically saved as a draft. The Draft icon Ø on the right side of the message thread indicates a pending draft message to the recipient. Tap the message thread to resume composing it.

4. Tap the Send button to send the message. Your message is displayed and responses appear in the same window, creating a message thread with that contact.

# To create and send a multimedia message

- Open the Messaging app (set it as your default, if necessary), then tap the New message icon .
- 2. Enter the recipient(s) in the To box.
  - ▶ Tap the Contacts icon <sup>△</sup>, select one or more entries from your Contacts list, then tap DONE.
  - ▶ Enter a name (or a partial number or email address), then tap a suggestion displayed from your Contacts list.
  - ▶ Enter a number or email address manually.
- 3. Tap the message box, then enter your message.
- Tap the Menu icon : > Add subject to add a message subject.
   The subject text appears above the body text in bold letters.

Tap the Attachment icon to open a dialog box where you can choose the type of media file to attach to the message.

NOTE To delete an attachment, simply tap the Delete icon an on the attached file.

6. Tap the Send MMS button.

### Receiving and viewing messages

If you're working in a message window, messages that you receive from that contact are displayed. Otherwise, you'll receive a new message notification based on the **Show pop-ups for new messages** setting.

- ▶ If the Show pop-ups for new messages switch is set to ON, you'll receive a pop-up notification on the current screen which you can use to directly reply.
- ▶ If the Show pop-ups for new messages switch is set to OFF, the notification will only be displayed in the Notification panel.

If the Auto-retrieve switch isn't enabled, tap **Download** to view the full message.

If the message contains a media file, tap the **Play** button to view, watch, or listen to it. Touch and hold the media file to open a context menu with additional options.

TIP While viewing a message thread, you can tap the Call icon & to place a call instead of sending a message.

# To respond to messages you receive

While viewing the received message, tap the message box at the bottom of the screen, complete your response as necessary, then tap the **Send** button.

# **Changing Messaging Settings**

▶ To change the Messaging settings, open the Messaging app (set it as your default, if necessary), tap the Menu icon :> Settings. Messaging settings include setting notifications, quick reply text, storage, send links, and more.

# **Email**

The **Email** app allows you to read email from services other than Gmail™. The following account types are supported: Microsoft Exchange, Outlook. Yahoo! Mail. AOL Mail. Verizon, and other accounts.

# To open the Email app

▶ Tap the Home Button ○ > swipe left, if necessary > tap Email ...



The first time you open the Email app, a setup wizard opens to help you add an email account. After the initial setup, the Email app displays the contents of your Inbox.

NOTE

You can also add your email account(s) using the Accounts menu in the Settings app.

#### The Accounts list

The Menu displays all of your email accounts.

Open the Email app. Tap the Email Menu icon 

to display a list of all of your email accounts and folders. You can also swipe horizontally from the left side of the screen to open the Email Menu to view your Accounts list.

▶ Each account name is displayed in an identifying color. Tap an account to toggle between displaying and hiding its folders. The number of unread mail is displayed next to each account's Inbox.

# Using the Email app

- ▶ Tap the Compose icon to compose a new message.
- ▶ Tap the Email Menu icon ≡ to switch between your email accounts and folders
- ▶ Touch and hold a message, then you can tap MARK AS READ/UNREAD, MOVETO, or DELETE. You can also tap the Select all icon to select all of your messages at once, then tap the action to apply to all of them.
- ▶ Swipe a message off the screen to the left or right to delete the message.
- ▶ Tap the Menu icon : to open the options menu to access Sort by and Settings.

▶ Drag downward from the top of the Inbox list to refresh the list.

### Message search

Tap the **Search** icon Q, enter the text you're looking for, then tap one of the displayed results.

# Reading Your Email

You can read your email from the Inbox, or from other folders within each individual account. Tap a message entry to open it.

NOTE

If you enable the Split view setting, the Email app is displayed in a split-screen format when the phone is held horizontally. Your Inbox (or any other selected folder) is displayed on the left side of the screen. Tap an email to open and display its contents on the right side of the screen.

#### To read an email

When viewing the combined view for your Inboxes, the color displayed to the left of each message corresponds with each account's identifying color.

- 1. Open the Email app, then tap the Email Menu icon ≡.
- Tap Inbox under Combined view to display all of your messages from all of your accounts together or tap Inbox under the account you want to view.

#### To add an account

► From the Email app, tap the Menu icon : > Settings > Add account. Then, configure the new email account settings as necessary.

# Changing Email settings

▶ To change the Email settings, open the Email app, tap the Menu icon : > Settings.

# Other Settings

The Other Settings menu includes the following options: Preview, Split view, Save to, Ask before deleting, Auto-advance, and Load images.

#### Accounts

Tap an account in the list to modify the settings that apply only to that account including Account name, Signature, Edit signature, Notifications, Notification sound, Vibrate, Auto-sync email, Sync schedule, Folders to sync, Email sync period, Message size limit, Message format, Autodownload attachments, Always Cc/Bcc me, Out of office, Security settings, Calendar sync period, Coporate directory, Server policy and Server info

# Voice Mail

The **Voice Mail** app allows the management of voice mail directly from the phone rather than accessing voice mail via traditional methods.

Voice Mail can display a list of your messages allowing you to choose which message(s) to listen to or delete, without having to dial into your mailbox and listen to voice instructions or prior messages.

#### To be able to use Voice Mail

#### NOTE

Listening to voice mail and setting up your voice mail service depends on subscription to the Visual Voice Mail service. When you tap the Voice Mail button on the dialpad, and you've subscribed to the Visual Voice Mail service, the Visual Voice Mail app will be launched.

- 2. The first time you access the **Voice Mail** app, you'll have to subscribe to the Visual Voice Mail service to be able to use it.
- 3. After subscribing to the Visual Voice Mail service, you'll be prompted to enter the password. To change the password, call voice mail (dial \*86).
- After entering the password, your voice mail entries will be displayed in your Inbox.

While viewing the voice mail list, you can select an entry (see step 5). For additional options, tap the Menu icon : .The following options are available: Search, Save, Set as heard, Sort by, Saved Voice Mail, Refresh, and Settings.

5. Tap a voice mail entry to listen to it.

# Camera

You can use the Camera app to take and share pictures and videos. The video feature is integrated on the camera viewfinder to take pictures and record video with a single tap. Your phone comes with a 8 megapixel camera that lets you capture sharp pictures and videos. It has many state-of-the-art features such as gesture shots, interval shots, burst shots, still photo capture while recording video, and much more. These features will allow you to easily and creatively capture your world.

NOTE

Be sure to clean the protective lens cover with a microfiber cloth before taking pictures. A lens cover with smudges from fingers can cause blurry pictures with a "halo" effect.

# To open the Camera app

▶ Tap the Home Button ○ > Camera ◎.

TIP

With the backlight off, press the Volume Down button twice to immediately activate the Camera app.

# Starting the camera

You can take and save photos or videos to your device.

Tap the Home Button () > Camera ().

NOTES

- · If the battery level is lower than 5%, charge the battery before using the camera.
- Before taking a photo, wipe the camera lens with a microfiber cloth. If your finger comes into contact with the camera lens, you may get blurry photos.
- · Images included in this user guide may be different from the actual device.
- Photos and videos can be viewed or edited from the Gallery app.

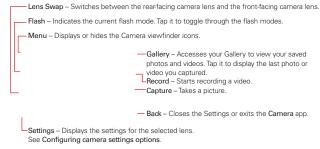
# Switching between cameras

You can switch between using the front and rear camera.

On the camera screen, tap the Lens Swap icon or swipe the screen to switch between the front and rear camera.

### The viewfinder

You can take photos or record videos by selecting a variety of camera modes and options that you set directly on the camera's viewfinder.



# Taking a photo

- 1. Start the Camera app and tap the subject to focus the camera on.
- 2. Tap the Capture icon on to take a photo. You can also press either of the Volume buttons.

NOTE When the screen is turned off or locked, start the camera by pressing the Volume Down button 
twice. To activate this function, tap the Home Button > touch and hold the Recent Apps Button > Settings > Shortcut key.

### Recording a video

- 1. Start the Camera app and tap the subject to focus the camera on.
- 2. Tap the Record button 1.
  - ▶ To take a photo while recording a video, tap the Capture button [6].
  - ▶ To pause the recording, tap the Pause button . To resume the recording, tap the Resume button .
- 3. Tap the **Stop** button to end the recording.

# Configuring camera settings options

You can customize a variety of camera settings options to suit your preferences.

Start the Camera app and tap the Settings icon (3).

NOTE Available options vary, depending on the selected camera lens.

16:9	Select an aspect ratio for photos or a picture quality for videos.
COFF	Set the timer to automatically take photos after a specified period of time.
OFF	Take photos with voice commands. (Available choices: cheese, smile, whisky, kimchi, LG)
	Display guide grids so that you can take photos or record videos based on the horizontal and vertical reference lines.
<b>∌</b> /∳"	Set the location where you want to save photos and videos. These options appear when an external microSD card is inserted.  : Save to the internal storage.  : Save to the external storage.
00/0D	Flip images. These options appear when using the front camera. ①②: Do not flip the image. ②②: Flip the image horizontally.
[@]/[2]	Customize the selfie-taking settings. These options appear when using the front camera.  [19]: Use Gesture Shot to take a picture.  [12]: A picture will automatically be taken when the camera detects your face.

# **Taking Pictures**

Taking pictures with your phone's built-in camera can be as simple as choosing a subject, pointing the lens, and tapping a button icon. When you take a picture, the Auto-focus (AF) function operates automatically to allow you to capture a clear image, but you have the option to set settings options to acheive precisely the photo you want.

## To take a picture:

- 1. Tap the Home Button  $\bigcirc$  > Camera  $\bigcirc$ .
- 2. Frame your subject on the screen.
  - ▶ The green square(s) indicate that the camera has focused.
  - Place two fingers on the screen and spread them apart to zoom in (a zoom bar indicates the zoom level) and pinch in to zoom back out.
- Tap the Capture button [O], if available. You can also press either of the Volume Buttons. Otherwise, tap the subject to take the picture. Your picture will be automatically saved to the Gallery.

NOTE

The captured image retains the orientation in which it was taken. If you hold the phone both vertically and horizontally to take pictures, you'll need to rotate the phone to view full screen images in the **Gallery** app.

TIP

While viewing a photo, you can tap the **Menu** icon : , tap **Rotate**, then tap **Rotate** left (or **Rotate** right) to manually change its orientation.

## Burst shots

You can take Burst shots from the Auto camera's rear lens. Touch and hold the Capture button of to take a barrage of photos in a row until the Capture button of is released. The Gallery icon displays the number of shots taken. When viewing Burst shots in the Gallery, tap the Burst play icon to display each shot in sequence (similar to viewing a flipbook).

# Taking selfies

You can use the front camera to view your face on the screen and take selfies. Tap the **Capture** button or gestures. Tap the **Capture** button take selfies using face detection or gestures.

NOTE

When using the front camera, you can change in camera options how selfies are taken.

#### Interval shot

You can take Interval shots from the Auto camera's front lens. Touch and hold the **Capture** button of for a couple of seconds to automatically take four selfies in a row.

#### Gesture shot

You can take selfies by using gestures when the **Gesture shot** icon  $[\![\![\vartheta]\!]]$  is selected in the camera settings. To use this function, make sure that **Gesture shot** icon  $[\![\vartheta]\!]$  is selected under camera options.

Show your palm to the front camera and then clench your fist.

▶ In three seconds, a photo is taken.

#### NOTE

- An alternative way to take gesture shots is to clench your fist and then open it towards the front camera.
- Make sure that your palm and fist are within the gesture reference area so that the camera can detect them.

# Taking auto-selfies

The face detection feature automatically takes your selfies easily and conveniently. If you activate this feature, when you look at the screen, the front camera will detect your face and take a selfie automatically.

When the front camera detects your face, the frame turns white. Then if you stop moving, the frame turns blue and the front camera takes a photo.

NOTE

To activate the auto-selfie feature, tap the Settings icon  $\clubsuit$ , then tap the Gesture shot icon  $[\P]$  until the Auto shot icon  $[\Upsilon]$  appears.

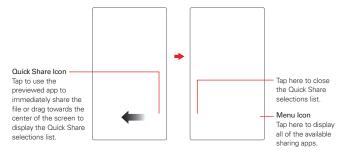
### **Quick Share**

You can take a picture or record a video and then immediately share it through an app.

- Tap the Home Button > Camera ●, then take a photo or record a video
- 2. Tap the Quick Share icon that appears on the screen to immediately open its app and use it to share your photo or video. Swipe the icon towards the center of the screen to display the Quick Share selections list of your other frequently used sharing apps. You can also tap the Menu icon [x] (in the Quick Share selections list) to display all of the available sharing apps.

NOTE

The apps displayed in the Quick Share selections list may vary depending on your use of the apps installed on your device. For example, if you frequently use the Messaging app, it will appear as the first Quick Share selection choice.



# **Gallery**

Open the Gallery app to view albums of your pictures and videos.

# To open the Gallery app

# Viewing your albums

The **Gallery** app presents all of the pictures and videos stored in your phone, including those you've taken with the **Camera** app, those you downloaded from the web or other locations, and on your microSD card (if inserted and mounted). When another app saves a picture, it automatically creates an album to contain the picture (e.g., capturing a screenshot creates the **Screenshots** album).

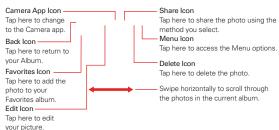
- ▶ Drag up or down to view more albums.
- ▶ Tap an album to open it and view its contents (in chronological order).
- ▶ Tap a picture or video in an album to view it.
- Tap the Menu icon : to access New album, Set preferred albums, Cloud, and Settings.
- ▶ Tap the Camera icon ② to return to the Camera app.
- ▶ Tap the Gallery Menu icon ≡ to open the Gallery's Menu to access Albums, Videos, and Favorites.

## Sharing files

You can share a file by using one of the following options:

- ▶ On the photo or video screen, tap the Share icon < to share the file by using the method you select.</p>
- ▶ Tap the Share icon of from the file list to select a file and share the file by using the method you select.

## Viewing photos



## Editina photos

- 1. While viewing a photo, tap the Edit icon /2.
- 2. Use a variety of effects and tools to edit the photo.
- 3. Tap the **Done** icon  $\checkmark$  to apply your changes.
- 4. Tap **SAVE** to save changes.
  - ▶ The edited photo overwrites the original file.
  - ▶ To save the edited photo as another file, tap the Menu icon : > Save copy.

## Playing a video

Select a video from an album in your Gallery. Playing it using the Videos app provides the following options.





#### NOTES

- To adjust the sound volume, drag along the right side of the video screen up or down.
- To adjust the screen brightness, drag along the left side of the video screen up or down.

## **Deleting files**

You can delete a file by using one of the following options:

- ▶ Touch and hold a file in an album, then tap **Delete**, then tap **DELETE** to confirm.
- ▶ Tap the Delete icon iii in an album, select a file (or files), tap DELETE, then tap DELETE to confirm.

## **Assign Pictures**

After taking a picture, assign it as a picture ID for a Contacts entry or as the background image (wallpaper) for your Home screen or Lock screen.

- 1. Tap the **Home Button**  $\bigcirc$  > swipe left, if necessary > **Gallery**  $\bigcirc$ .
- 2. Tap an album and tap an image to view it.
- 3. With the picture displayed, tap the screen > the Option icon : > Set image as.
- 4. Select an option.
  - ▶ Lock screen wallpaper assigns the picture as the background image for your Lock screen. Crop the image, tap OK, then tap SET to assign the picture.
  - ▶ Home screen wallpaper assigns the picture as the background image. Crop the image, tap OK, then tap SET to assign the picture.
  - ▶ Contact photo assigns the picture to a Contact entry as a picture ID. Tap an entry from Contacts, crop the image, then tap OK to assign the picture.
  - ▶ Wallpaper assigns the picture as the phone's background image. Tap SET WALLPAPER to assign the picture.

## Music

Your phone has a music player that lets you play all of your favorite tracks. To access the Music player, tap the Home Button O > Music





# Playing a song

- 1. Tap the **Home Button** O > swipe left, if necessary > tap **Music** ...

- 2. Select a category.
- 3. Tap the song you want to play.
  - TIP To find a song, you can tap the Search icon Q at the top of the screen or tap the letter the song begins with using the alphabet listed along the right side of the screen.
  - NOTE Tap the Music Menu icon = to select your music file access. Select from Music library, Favorites, Playlists, Folders, and Nearby devices.

### Other Music player options

- ▶ Touch and hold any song in the Music library to access its context menu which can include:
  - Delete, Set as ringtone, and Details.
- ▶ Tap the Menu icon : in the Music library to access its options menu which can include: Cloud, Select to play, Add to playlist, Share, and Settings.

## Turning the Music player off

To stop the Music player, swipe the Status Bar downward, then tap the Close icon  $\times$  in the upper-right corner of the Music notification.

#### NOTES

- · Some file formats are not supported, depending on the device software.
- If the file size exceeds the available memory, an error can occur when you open files.
- Music file copyrights may be protected by international treaties and national copyright laws. Therefore, it may be necessary to obtain permission or a license to reproduce or copy music. In some countries, national laws prohibit private copyring of copyrighted material. Before downloading or copying the file, check the national laws of the relevant country concerning the use of such material.

# 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 the Music library list. In the context menu that opens, tap Set as ringtone, then tap Phone ringtone or Caller ringtones.

NOTE

If you choose Caller ringtones, tap the contact entry to set it.

# Working with Playlists

You can create playlists to organize your music files into sets of songs, which you can play in the order you set or in a shuffle.

## To create a playlist

- 1. From the Music library, tap the Music Menu icon = then tap Playlists.
- 2. Tap the New icon .
- 3. Enter a name for the playlist and tap OK.
- Select the songs you want to add to a playlist, then tap ADD. The new playlist is added to your Playlists.

## To add a song to a playlist

- 1. From the Music library, tap the **Menu** icon , then tap **Add to playlist**.
- Select the song(s) you want to add, tap ADD, then tap the name of the playlist you want to add it to.

## To remove a song from a playlist

- Open your Playlists using the Music Menu icon then tap the playlist you want.
- Touch and hold the song you want to remove, then tap Delete in the context menu that appears.
- 3. Tap **DELETE** to confirm.

## To delete a playlist

- 1. Open your Playlists using the **Music Menu** icon =.
- 2. Touch and hold the playlist, then tap Delete in the context menu that appears.
- 3. Tap DELETE to confirm.

## To rename a playlist

- 1. Open your Playlists using the Music Menu icon =.
- 2. Touch and hold the playlist, then tap Rename in the context menu that appears.
- 3. Enter a name, then tap OK.

# Capture+

Capture+ is a memo-writing feature that allows you to capture a screen shot and use it to write a memo

NOTE

You can also change your memo's background to plain paper. Once plain paper is selected, it remains set until you change it back to the screen background.

# To access the Capture+ feature









 While viewing the screen you want to capture, drag the Status Bar downward, then tap the Capture+ icon in the Quick settings bar.

- Select the desired tool from the toolbar (Pen type, Color, Eraser, etc.). Then create a memo using a fingertip to draw or erase pen marks (don't use your fingernail or any other rigid object).
- Tap the Done icon ✓ to save the memo or tap the Back Button 
   ☐ to exit. If you exit without saving your memo, whatever you've drawn will appear the next time you access Capture+.

NOTE

Tap the toolbar handle 
(at the top of the screen) to display or hide the Capture+toolbar options.

# Using Capture+ toolbar options

The following toolbar options are available when using Capture+.

~	Tap to save your memo. Choose QuickMemo+ or Gallery.
	NOTE If you save it to QuickMemo+, you can edit your memo from the QuickMemo+ app later.
←	Tap to undo the most recent action.
$\rightarrow$	Tap to redo the most recently deleted action.
Т	Tap to insert text into your memo, add reminders, and more.
	Tap to select the pen type, size, color, and transparency.
$\Diamond$	Tap to erase pen marks you've made on the memo.
	From a basic memo, the Slice tool allows you to surround part of your memo, then tap the Text tool $T$ which will automatically paste only that part into a new QuickMemo+ page.
÷	Tap to access the options menu. From a basic memo, choose from Share and Paper style. From a memo with text, choose from Delete, Insert, Share, Change category, Lock, and Paper style.
~ ·	Tap to hide or display the toolbar.

# Viewing saved memos

Tap the Home Button O.

➤ Swipe to the left, if necessary > tap Gallery > the Capture+ album, then tap the desired memo.

#### OR

➤ Swipe to the left > tap the LG folder > QuickMemo+ , then tap the desired memo.

# Capturing a screen shot

To capture a screen shot without the Capture+ feature, press both the Power/Lock button and the Volume Down button at the same time. The captured image is automatically saved in the Gallery app in the Screenshots album.

# Clock

You use the **Clock** app to access the Alarm, World clock, Timer, and Stopwatch functions. Access these functions by tapping the tabs across the top of the screen or swiping horizontally across the screen.

### Setting an alarm

- Tap the Home Button O > swipe left, if necessary > tap Clock > the Alarm tab > the Add icon .
- Set the desired alarm time. Tap the hour (or minutes), then tap the time you want on the clock graphic. Tap the Keypad icon to set the time using a keypad instead of the clock graphic. Tap AM or PM as necessary.
- Set Repeat, Alarm sound, Alarm volume, Alarm with vibration, Snooze duration, Enter memo text, Auto-start app, and Puzzle lock.
- 4. Tap SAVE.

NOTE To access (and change) the alarm settings from the alarm list screen, tap the Menu icon : then tap Settings.

## Activating your alarm(s)

- 1. Open the Clock app and tap the Alarm tab (if necessary).
- 2. Turn on the switch on the right side of the alarm you want to activate.

NOTE Tap an alarm time to modify the alarm. Tapping SAVE will automatically activate the alarm.

## Setting the World Clock

The **World clock** tab allows you to set up a list of cities to easily check current times in other time zones with a quick glance.

- 1. Open the Clock app, then select the World clock tab.
- Tap the New City icon , search through the available cities, then tap the one you want.

NOTE A Wi-Fi connection is necessary to search for cities.

#### Timer

The **Timer** tab can alert you with an audible signal when a set amount of time has passed.

- 1. Open the Clock app, then select the Timer tab.
- 2. Set the desired time on the timer.
- 3. Tap the Start button to start the timer.
- 4. Tap the Stop button to stop the timer.

## Stopwatch

The **Stopwatch** tab allows you to use your device as a stopwatch.

- 1. Open the Clock app, then select the Stopwatch tab.
- 2. Tap the Start button to initiate the stopwatch.
  - ▶ Tap the Lap button to record lap times.
- 3. Tap the **Stop** button to stop timing.

# Calculator

## Using your calculator

- Tap the Home Button > swipe left, if necessary > tap the Tools folder
   Calculator
- 2. Tap the number buttons to enter numbers.
- 3. For simple calculations, tap the numbers and function  $(+,-,\times)$  or  $(+,-,\times)$  in then tap the **Result** button  $(-,-,\times)$ .

#### NOTES

- For more complex calculations, you can switch to the Scientific calculator. Simply rotate the phone sideways, or tap the Menu icon: then tap Scientific calculator.
- To view the calculation history, tap the Menu icon : then tap Calculation history.
- · You can touch and hold the calculation field to copy its information to your Clip Tray.

# Calendar

## Viewing your calendar and events

The Calendar app allows you to track your schedule of events (that you created or that you've been invited to), organized by day, week, month, year, or agenda. Tap the Calendar Menu icon to switch calendar views or access your Tasks list.

When you first set up your phone, you configured it to use an existing Google Account or you created a new account. The first time you open the Calendar app on your phone, it displays any existing calendar events from your Google Account on the web.

## Adding an event to your calendar

1. Tap the Home Button O > swipe left, if necessary > tap Calendar ...



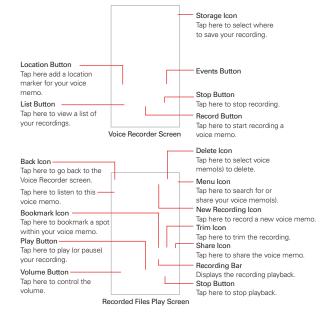
- 2. Tap the Calendar Menu icon to change the calendar view (Day, Week, Month, Year, or Agenda), if necessary.
- 3. Tap the date (or the time in the day calendar view) you want to add an event to and tap the New event icon ...
- Enter the event name.
- 5. Tap the Location field and enter the location. Check the date and enter the time you wish your event to start and finish.
- 6. Enable the All day switch, if applicable.
- 7. Tap More to enter additional options such as Reminders, Repeat, Repeat until, Guests, Description, Show me as, and Privacy, as necessary.
- 8. Tap **SAVE** to save the event in the calendar.

# Voice Recorder

The Voice Recorder app records audible files. Use them to simply remind you about something you don't want to forget (like a grocery list) or record sound effects that you can attach to a message.

#### Record a voice memo

- Tap the Home Button O > swipe left, if necessary > tap the Tools folder
   Voice Recorder
- Tap the Record button to start recording, then speak into the microphone.
- 3. When you're finished, tap the **Stop** button (a). The recording is automatically saved to your recordings list.



## Play a voice memo

- Tap the Home Button O > swipe left, if necessary > tap the Tools folder
   Voice Recorder U.
- 2. Tap the List button (=).
- 3. Tap the voice memo you want to play.
- 4. Use the following options while listening to a voice memo.
  - ▶ Tap the Pause button □ to pause the recording.
  - ▶ Tap the Stop button to end the playback and return to the Recorded files list screen.
  - ▶ Tap the Volume button ③ to increase or decrease the volume. It also allows you to modify all phone volumes.
  - ▶ Tap on the recording bar to listen to a specific part of the recording.
  - Tap the Bookmark icon ☐ to mark a place within the recording so you can jump directly to that spot when you play the recording.
  - ▶ Tap the Trim icon % to trim away segments at the beginning or end of the recording.

NOTE Voice memos with bookmarks can't be shared.

## Managing your voice memos

From the Recorded files list screen:

- ▶ Tap the Options icon : Tap Share, select the file(s), tap SHARE, then complete the sharing method as necessary.
- Touch and hold a voice memo to open a context menu to select Delete, Rename, or Details.

# File Manager

Use the **File Manager** app to easily view and manage your folders and files stored in your phone. When you open File Manager, all of your phone's internal storage file folders are displayed. To access the file(s) you want, manually browse by tapping any folder icon (and subsequent folder icons within each folder), or enter search text by tapping the **Search** icon .

## To open the File Manager app

Tap the **Home Button**  $\bigcirc$  > swipe left, if necessary > tap the **Tools** folder  $\bigcirc$  > File **Manager**.

## Using File Manager

- ▶ I : Allows you to choose which folders to display. Choose from Internal storage, SD card, and Cloud.
- ▶ Q : Allows you to search for files you want by entering text.
- ▶ iii : Allows you to select folders or files to delete.
- : Allows you to access New folder, Move, Copy, Share, Zip, View as, Sort by, Show/Hide hidden files, and SD card settings.

# Searching in File Manager

Open the **File Manager** app, select where you want to search (Internal storage, SD card, or Cloud) if necessary, then tap the **Search** icon Q to search for your files or information.

# Google Apps

To use Google apps, a Google Account needs to be registered in your device first. The Google Account registration window appears automatically when you use a Google app for the first time (if you didn't register your account when you initially set up your device). If you do not have a Google Account, create one from your device. For details on how to use an app, refer to the Help text in the app.

#### Drive

Upload, save, open, share, and organize files from your device. Files accessible from apps can be accessed from anywhere, including online and offline environments.

#### Voice Search

Search for information using Google by saying a keyword, instead of typing your search request.

## Maps

Find your location or the location of a specific place on a map. View geographical, traffic, or transit information. Get directions to destinations.

#### **Photos**

View or share photos or albums saved on your device. Edit or enhance your photos.

## Hangouts

Exchange real-time messages with the people in your life. Make a video call with an individual or a group.

## Chrome

Sign in to Chrome and import opened tabs, bookmarks, and address bar data from a computer to your device.

## Gmail

Register your Google email account in your device to check or send email.

# Play Movies and Watch TV

Use your Google Account to rent or purchase movies. Purchase content and play it anywhere.

## YouTube

Search for and play videos. Upload videos on YouTube to share them with people around the world.

## Play Music

Use your Google Account to purchase music files from Play Store. Play music files saved on your device.

# **Settings**

The **Settings** app allows you to customize and personalize your phone by setting how its screens look, how it notifies you, how it reacts, and a lot more.

NOTE Settings that are specific to an app are accessed through its own Settings menu within the app. For example, the **Chrome** app has settings specific to your Internet access.

# To open the Settings app

▶ Tap the Home Button ○ > Settings ②.

### OR

▶ Tap the Home Button ○ > touch and hold the Recent Apps Button □ > Settings.

TIP The upper-right corner of the Notifications panel also has a Settings icon that you can tap to open the Settings app.

### Viewing settings

Tap the Menu icon: at the upper-right corner of the Settings app, then tap Tab view (or List view).

- List view Scroll up and down through the list.
- ▶ Tab view Swipe left and right or tap the tab you want.

**NOTE** The instructions to perform tasks in this guide are based on the default **List view** setting.

# WIRELESS NETWORKS

The Wireless Networks category allows you to configure and manage your device's wireless radio communications

# Airplane mode

Tap its switch on to toggle it On or Off. On disables all wireless connections.

# ▼ Wi-Fi

Tap its switch on to togale it On or Off. On connects to a Wi-Fi network (from your list of available, detected networks). Tap Wi-Fi to access the following settings to manage your Wi-Fi connection(s).

#### WI-FI NETWORKS

Displays all of the Wi-Fi networks that are within access range.

Tap one to connect to it. Touch and hold one to open its context menu.

SEARCH Searches for nearby Wi-Fi networks.

Menu icon : Accesses the Wi-Fi options menu.

Add Wi-Fi Allows you to manually add a Wi-Fi network by entering its name (SSID), security, and password.

Saved Wi-Fi Displays your saved Wi-Fi networks allowing you to manage them.

Advanced Wi-Fi Provides additional specific Wi-Fi connection settings.

#### NOTIFICATIONS

Wi-Fi notifications Enable this option to be notified if Wi-Fi networks are available nearby.

Show Wi-Fi pop-up Enable this option to be notified when a Wi-Fi network is available when you launch an app.

#### USEFUL SETTINGS

Manage networks Allows you to specify the order in which your Wi-Fi networks will be detected. Tap a network to connect to it, view it, forget it, or modify it.

Keep Wi-Fi on during sleep Allows you to set the Wi-Fi status when the screen is off.

Avoid bad Wi-Fi connections Enable this option to use the mobile network whenever the Wi-Fi network you're connected to doesn't have an Internet connection. (Data usage may apply.)

#### CONNECTION

Wi-Fi Direct Allows you to connect with Wi-Fi devices without any access point.

**Connect by WPS button** Provides information to connect to a secured Wi-Fi network with a WPS button.

**Connect by WPS PIN** Provides the WPS PIN to connect to a secured Wi-Fi network.

### **PERSONAL**

Install certificates Allows you to install certificates from storage.

#### INFORMATION

MAC address Displays your phone's MAC address (which may need to be entered in the router to connect to some wireless networks with MAC filters).

IP address Displays your phone's IP address.

Help Displays information about Wi-Fi networks.

# \* Bluetooth

Tap its switch on to toggle it On or Off. On allows you to pair and connect with other Bluetooth devices. Tap **Bluetooth** (with Bluetooth on) to use and manage your Bluetooth devices.

K8V Displays your phone's name and visibility status.

#### AVAILABLE DEVICES

Displays all of the Bluetooth devices that are within your phone's range. Tap one to pair and connect.

SEARCH Searches for nearby Bluetooth devices.

Menu icon : Accesses the Bluetooth options menu.

Edit phone name Allows you to change your phone name for easy identification when pairing and connecting.

Received files Displays a list of the files received via a Bluetooth device.

Help Displays information about Bluetooth features.

## Mobile Hotspot

Tap its switch \_\_\_\_\_ to toggle it On or Off. On allows you to use your device as a mobile hotspot for other devices to use your mobile network connection. Tap Mobile Hotspot to manage its settings.

Set up Mobile Hotspot Allows you to enter the SSID and security information for your mobile hotspot.

**Manage connections** Allows you to control which devices are allowed to use your device as a hotspot.

Timeout Allows you to set when to turn off your hotspot.

#### CONNECTED DEVICES

Displays all connected devices.

NOTE Tap the Menu icon: to access mobile hotspot tips and help.

# Data usage

Mobile data Enable this option to allow connection to the mobile network. This switch allows you to manage your mobile data usage (e.g., disconnect from the mobile network to stop using mobile data and use a Wi-Fi network connection for data instead).

Limit mobile data usage Enable this option so you can set the amount of data that can be used during your cycle date. When that amount is reached, your mobile data network connection will be disabled.

Alert me about data usage Enable this option so you can set the amount of data usage that will trigger an alert.

Cycle date The date displayed is your current data usage cycle. Tap it to change it.

**Graph** Displays a visual of your data usage. Limit lines are displayed if the data usage switches are enabled.

Apps list All of the apps that use data are listed.

Menu icon : Accesses the Data usage options menu.

Display in MB/GB Changes the data usage units.

Restrict background data Checkmark this option to restrict the data that runs in the background.

**Show Wi-Fi usage** Checkmark this option to display a Wi-Fi tab (in addition to the Mobile tab) to view your Wi-Fi data usage.

**Mobile hotspots** Displays the networks that can be used as mobile hotspots. Turn on Wi-Fi and search, if necessary.

Mobile networks Allows you to set specific mobile network settings including enabling mobile data, data roaming access, system select, network type and strength, APNs, and roaming state.

# - III Advanced Calling

You can make High-Definition Voice and Video Calls, and surf the web while you talk on the phone, when you add Advanced Calling to your line. Visit verizonwireless.com/AdvancedCalling to learn how.

#### More

#### TETHERING & MOBILE HOTSPOT

**USB tethering** Enable this option to allow you to connect via USB. This option is gray when not connected via USB.

**Bluetooth tethering** Enable this option to share the phone's Internet connection with other Bluetooth devices.

**Help** Displays help information regarding connecting other devices to your phone's Internet connection.

#### NETWORK

Mobile networks Allows you to set various mobile network settings.

Mobile data Enable this option to allow data access over the mobile network.

Data roaming access Allows you to set when to allow data roaming.

**System select** Allows you to set your network mode, as well as network submodes and operators.

**Network type and strength** Displays the current network type and the signal strength.

Access Point Names Allows you to set up APNs for data service.

Roaming state Displays your current roaming state.

VPN Allows you to set up VPNs (Virtual Private Networks). Choose Basic VPN or LG VPN.

NOTE Tap the Menu icon: to access additional settings. From the Basic VPN screen, it accesses Always-on VPN. From the LG VPN screen, it accesses Settings, Import certificates, and About.

Printing Allows you to set up wireless printer(s).

Menu icon : allows you to add additional printing services.

#### PRINT SERVICES

Cloud Print Searches for available printers.

NOTE Tap the Options icon: to access Search, Add printer, and Settings.

Emergency alerts Allows you to view emergency alerts and customize your emergency alerts settings.

# **DEVICE**

The Device category allows you to configure and manage the general device functions such as sound and display options.

# Sound & notification

#### **GENERAL**

Sound profile Allows you to set whether your device emits sound, just vibrates, or is silent.

#### SOUND

Volume Allows you to set individual volume levels for ringtone, notifications, touch feedback, and other media.

Ringtone Allows you to set the ringtone for calls. You can also add and delete ringtones.

Ringtone ID Enable this option to allow you to set calls to play a specially composed ringtone. Tap Ringtone ID to set which calls.

#### VIBRATION

Sound with vibration Enable this option to emit sound as well as vibration.

Vibration type Allows you to set the vibration pattern.

#### NOTIFICATIONS

Do not disturb Enable this option to allow you to set up and schedule when to prevent interruptions from notifications. You can set specific parameters that will override the Priority only setting.

Lock screen Allows you to set the level of privacy for notifications displayed on your Lock screen.

Apps Allows you to set notifications for individual apps including preventing them from displaying notifications, and setting priority, hiding sensitive content, allowing peeking, and more.

Notification light Enable this option to activate the LED light for the notifications you select. Tap Notification light to set which notifications.

#### ADVANCED SETTINGS

Notification sound Allows you to set the sound heard for new notifications. You can also add and delete notification sounds.

Vibrate on tap Enable this option to feel a vibration when you tap the Home touch buttons or app icons.

Sound effects Allows you to set when a sound is emitted to notify you of an event. Enable Keypad sound, Touch sound, Screen lock sound. Sound when roaming, and set the emergency tone behavior.

Message/call voice notifications Enable this option to allow your phone to automatically read your incoming calls and/or messages outloud. Tap Message/call voice notifications to modify your notification settings for Calls, Messages, Read messages, and Language.



## **FONT**

Font type Allows you to set the type used for the phone software.

Font size Allows you to set the size of the type used for the phone software

**Bold text** Enable this option to bold the text on the screen.

#### RASIC

Brightness Allows you to set the brightness for the screen or you can checkmark its automatic setting.

Auto-rotate screen Enable this option to allow the screen to rotate automatically based on its orientation.

Screen timeout Allows you to set the amount of time before the screen times out due to inactivity to your conserve power.

Home touch button combination Allows you to set the buttons displayed at the bottom of all screens. Set which ones are displayed and their position.

#### ADVANCED SETTINGS

Daydream Enable this option to activate a screensaver when your phone is sleeping while docked and/or charging. Tap Daydream to choose which screensaver and also change its settings.

Motion sensor calibration Allows you to improve the accuracy of the tilt and speed of the phone's sensor.



#### GENERAL

Select Home Allows you to set the layout for the Home screen. You can choose the standard Android layout that displays all apps on the Home screen, a simplified Home screen layout, or a layout that stores all installed apps separately which allows you to selectively set app shortcuts on your Home screen.

#### STYLF

Wallpaper Allows you to set your Home screen background (wallpaper). Select it from Gallery, Wallpaper gallery, Live wallpapers, and Photos.

Screen swipe effect Allows you to set the effect when you swipe to change screens.

#### LAYOUT

Sort apps by Allows you to set how to sort the apps on your Home screen (either alphabetically or by download date).

Hide apps Allows you to selectively hide apps.

#### TIPS

Help Displays information regarding the Home screen items and functions.

# Lock screen

#### SCREEN SECURITY

Select screen lock Allows you to set how to secure your phone from unintentional and/or unauthorized use.

Smart Lock Allows you to set trusted devices, places, faces, voices, and/or on-body detection that will allow your phone will remain unlocked.

Screen swipe effect Allows you to set the effect when you swipe to unlock the screen. This setting appears only when the Swipe lock type is selected.

Make pattern visible Enable this option to show your pattern as you draw it. This setting appears only when the Pattern lock type is selected.

### CUSTOMIZE

Wallpaper Allows you to set the background for your Lock screen.

Shortcuts Allows you to choose which apps to run on your Swipe Lock screen. This setting appears only when the Swipe lock type is selected.

Contact info for lost phone Allows you to set text to be displayed on the Lock screen to identify the phone's owner.

#### LOCKTIME

Security lock timer Allows you to set the amount of time before the screen automatically locks after the backlight turns off (timesout due to inactivity).

Power key instantly locks Enable this option to instantly lock the screen when the Power/Lock button is pressed. This setting overrides the Security lock timer setting.

# Application manager

Tap an entry to view more information, tap Stop (or Force stop), then OK to stop the app from running.

# Storage & USB

#### DEVICE STORAGE

Displays the total amount of space used and the available space in your phone's internal memory in text and as a bar graph (unused space is gray). Tap Internal storage to see your apps and the amount of space they use.

#### PORTABLE STORAGE

SD card Displays the amount of space used and the total available space in your memory card. Tap SD card to view the data stored on it.

Allows you to eiect (unmount) your microSD card.

To format the memory card, tap SD card > the Menu icon : > Settings > Format.



### BATTERY INFORMATION

The current battery status is displayed including the percentage of remaining charge and charging state.

Battery usage Displays battery usage information including a graph and app usage details.

Battery percentage on Status Bar Enable this option to display the battery level as a percentage on the Status Bar next to the battery icon.

## **BATTERY SAVER**

Battery saver Enable this option to automatically turn Battery saver on when your battery level drops to the level you set. Tap Battery saver to adjust its settings.

Help Displays help information for the Battery saver feature.

# **PERSONAL**

The Personal category allows you to configure, manage, and secure your personal information.

# O Location

Tap the switch at the top of its screen to toggle it On or Off. On enables sharing your location when you search for information and use location-based apps, such as Maps.

**Mode** Allows you to set how your location is established. This setting is gray if the Location switch is off.

### RECENT LOCATION REQUEST

Displays all of the apps that have requested access to your location. Tap one to view details.

#### LOCATION SERVICES

Camera Enable this option to automatically tag photos and videos with their location as identified by your phone.

Google Location History Allows you to enable or disable Location History. When enabled, Google periodically stores and uses your phone's most recent location data in connection with your Google Account.

From the Location screen, tap the **Menu** icon : > **Scanning** to enable Wi-Fi scanning and/or Bluetooth scanning.

From the Location History screen, tap the Menu icon : to view and/or manage your location.



Content lock Allows you to set a lock type (password or pattern) for your QuickMemo+ files. Once set, you can change it.

#### **ENCRYPTION**

Encrypt phone Allows you to encrypt data on the device for security. If you enabled a screen lock and turned on a secure start-up, you will be required to enter your unlock sequence to decrypt your phone each time you power it on

**Encrypt SD card storage** Allows you to encrypt or decrypt external microSD card data. Encrypted data is not accessible on other devices.

#### SIM CARD LOCK

Set up SIM card lock Allows you to lock your SIM card with a PIN. After it's set, you can change it from here.

#### **PASSWORDS**

Password typing visible Enable this option to briefly show each character of the password as you type it so you can see what you've entered.

#### PHONE ADMINISTRATION

Phone administrators Allows you to view and selectively deactivate phone administrators.

**Unknown sources** Enable this option to allow installation of non-Play Store apps.

Verify apps Enable this option to disallow or warn before installation of apps that may cause harm to your phone.

### CREDENTIAL STORAGE

Storage type Displays the current storage type.

Certificate management Allows you to manage your secure certificates.

**Trusted credentials** Shows system root CA certificates and user added CA certificates.

**Install from storage** Allows you to install a secure certificate from storage.

Clear credentials Deletes user added secure certificates and related credentials

#### ADVANCED SETTINGS

Trust agents Allows you to view and selectively deactivate Trust agents.

Screen pin Tap the switch at the top of its screen to toggle it On or Off. On allows only the current app to be used. This is helpful when allowing children to use your phone.

Usage access for apps Allows you to enable or disable the apps that can view your phone's app usage.

Menu icon : accesses Show system, Reset app preferences, and Reset default apps.

# Accounts

Auto-sync data Enable this option to automatically sync all accounts you've added on your phone.

#### **ACCOUNTS**

Displays all of your added accounts. Tap one to view and/or manage (e.g., change details, access, sync settings, etc.) it.

ADD ACCOUNT Allows you to add accounts to your phone.

# A Language & input

Language Allows you to set the language for your phone's software.

#### KEYBOARD & INPUT METHODS

Default Displays the name of the current keyboard.

LG Keyboard Allows you to change the settings for the LG keyboard.

English Displays the keyboard type for the selected language. Tap to change it.

Select languages Allows you to set multiple keyboard languages to enter text.

#### **GENERAL**

Keyboard height and layout Allows you to adjust various height and layout options for your keyboard to make it easier for you to use. These options include QWERTY layout, Extended keyboard. Keyboard height, Keyboard type in landscape, Split keyboard, and One-handed operation.

Keyboard theme Allows you to set the keyboard color.

#### ADVANCED

Path input Enable this option to enter a word by drawing a path through all of its letters.

Word suggestions Enable this option to show predicted words in the selection box as you type. Tap Word suggestions for additional options that include Emoticons, Next word, Personal dictionary, Update word suggestions, and Clear suggestion history.

Auto-correction Allows you to set your level of automatic word correction for each of your keyboard languages.

More Allows you to set other keyboard options to enhance your text input. Options include Vibrate on keypress, Sound on keypress, Pop-up on keypress, Auto-capitalization, Auto-punctuation, and Touch and hold time

#### TIPS

Help Displays information regarding text input.

Google voice typing Allows you to change the settings for voice input.

Languages Allows you to set the default language supported with Google voice typing and set additional recognized languages.

"OK Google" detection Allows you to set when saying "OK Google" will start a Google voice search. You can also personalize the Google voice model.

**Now onTap** Enable this option for Google to provide information based on the current app screen when you search by voice or touch and hold the **Home Button** O.

Hands-free Allows you to set which connected devices will allow voice requests when the device locked.

Speech output Allows you to set when to use speech output.

Offline speech recognition Allows you to manage downloaded languages.

Block offensive words Enable this setting to hide recognized offensive text

Bluetooth headset Enable this setting to record audio through a connected Bluetooth headset.

#### SPEECH

**Text-to-speech output** Allows you to set the preferred speech engine, speech rate, and pitch change. You can listen to an example and view the default language status.

#### MOUSE/TRACKPAD

Pointer speed Allows you to set the pointer speed on a slide bar.

Reverse buttons Enable this option to reverse the mouse buttons to use the primary button on the right.

## Rackup & reset

#### LG BACKUP

LG Backup Allows you to copy data from a previous device to a new device. You can also back up data or restore data from a previous back up.

#### GOOGLE BACKUP

Back up my data Enable this option to automatically backup your data to Google servers.

Backup account Allows you to identify which account(s) to backup. You can also add new accounts

Automatic restore Enable this option to automatically restore your device to its previous state when you reinstall an app.

#### RESET

Network settings reset Allows you to reset all of the network settings.

Factory data reset Allows you to erase all of the data on the phone. Read the warning, then tap RESET PHONE. Tap Delete all to confirm and reset the phone.

Reset settings Allows you to restore the default system settings.

# G Google services

Allows you to manage your Google apps and account settings.

## **SYSTEM**

# Shortcut key

Tap the switch at the top of its screen to toggle it On or Off. On enables shortcuts activated by the Volume buttons . When this setting is enabled and the phone is locked or in timeout:

- ▶ Press the Volume Up button twice to open the QuickMemo+ app.
- ▶ Press the Volume Down button twice to launch the Camera app.



## **BASIC**

Enable the **Auto-date & time** option or tap **Set date** and/or **Set time** to use a date/time other than the one provided by the network.

Enable the **Auto-time zone** option or tap **Select time zone** to use a time zone other than the one provided by the network.

#### TIME FORMAT

Use 24-hour format Enable this option to display the time using the 24-hour format (e.g., 13:00 instead of 1:00 PM).



#### **CATEGORIES**

Vision Sets options for people with impaired sight.

TalkBack Enable this option to hear verbal feedback when you tap the screen. To select an item, tap it, then double-tap it. To scroll, use three fingers to swipe across the screen. Tap TalkBack to access and adjust the TalkBack settings.

Message/call voice notifications Enable this option to set your phone to automatically read your incoming calls and/or messages outloud. Tap Message/call voice notifications to modify your notification settings for Calls, Messages, Read messages, and Message/call voice notifications language.

Font size Allows you to set the size of the text.

Bold text Enable this option to bold the text on the screen.

**Touch zoom** Enable this option to allow you to triple-tap the screen to zoom in and out.

Screen color inversion Enable this option to invert the screen colors for higher contrast.

Screen color adjustment Enable this option to allow you to adjust the screen's hue and contrast. Tap Screen color adjustment to adjust it.

Grayscale Enable this option to switch the screen to grayscale mode.

End calls with the Power key Enable this option to allow you to press the Power/Lock button to end a call.

Hearing Sets options for people with impaired hearing.

Captions Enable this option to allow your phone to display caption text. Tap Captions to access and adjust its settings.

Notification light Enable this option to activate the LED light for the notifications you select. Tap Notification light to set the notifications you want.

Flash alerts Enable this option to enable the camera's flash to blink to notify you of incoming calls, messages, and alarms. Tap Flash alerts to access the missed alert setting.

Turn off all sounds Enable this option to silence all phone sounds and lower the volume from the earpiece.

Audio type Allows you to set the audio type.

Sound balance Move the slider on the bar to set the sound balance between the left and right channel.

**Dexterity and interaction** Sets options for people with impaired motor skills.

#### DEXTERITY

**Touch assistant** Enable this option to display a Touch assistant icon which allows you to use its touch icons instead of the phone's hardware keys.

Touch and hold delay Allows you to set the touch and hold delay time.

Touch and hold for calls Enable this option to allow you to touch and hold the Answer or Ignore icon on the Incoming call screen (instead of swiping).

Screen timeout Allows you to set the amount of time before the backlight turns off automatically.

#### INTERACTION

**Touch control areas** Enable this option to allow you to restrict access to a select portion of the screen.

#### **GENERAL**

Accessibility features shortcut Enable this option to allow quick, easy access to selected features when you triple-tap the Home Button (). Tap Accessibility features shortcut to set the features you want.

Auto-rotate screen Enable this option to automatically rotate the screen based on the phone's orientation.

#### SERVICES

Support & Protection Tap the switch at the top of its screen to toggle it On or Off. On allows you to enable Support & Protection to observe the apps your device uses to protect against web threats.

Switch Access Tap the switch at the top of its screen to toggle it On or Off. On allows you to enable switch access to selected features. Tap OK, then tap SETTINGS to set it up.

## i About phone

View information about your phone including Phone name, Network, Status, Battery, Memory, Hardware info, Software info, Legal info, and Patent information

# System updates

#### SYSTEM UPDATE INFO

Check for new system update Allows you to check for any available updates for your phone.

Show system update history Allows you to view your system update history.

LAST SYSTEM UPDATE Displays your last update information.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or reproductive harm. Call (800) 243-0000 for more information. Wash hands after handling.

#### 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 guestions about return or exchange policies, consult your service provider or phone retailer.

This mobile phone has a Hearing Aid Mode that, when activated, may reduce interference with some hearing aid models.

Any changes or modifications not expressly approved in this user guide could void your warranty for this equipment. Use only the supplied antenna. Use of unauthorized antennas (or modifications to the antenna) could impair call quality, damage the phone, void your warranty and/or violate FCC regulations.

## FCC RF Exposure Information

WARNING! Read this information before operating the phone.

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

#### **Body-worn Operation**

This device was tested for typical body-worn operations with the back of the phone kept 0.39 inches (1cm) between the user's body and the back of the phone. To comply with FCC RF exposure requirements, a minimum separation distance of 0.39 inches (1cm) must be maintained between the user's body and the back of the phone. Any belt-clips, holsters, and similar accessories containing metallic components may not be used. Body-worn accessories that cannot maintain 0.39 inches (1cm) 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.

#### Part 15.19 statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

#### 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 15.105 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 this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct 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.

The phone by LG operates on Verizon's 4G LTE network, based on Long Term Evolution (LTE) technology and Mobile Broadband 4G networks in the United States\*. Now you can connect easily at high speeds to the Internet. your corporate Intranet, and your email while you're away from the office.

- \* Service not available everywhere. Visit website (verizonwireless.com/4G) for a complete list of available areas.
- \* Information subject to change.

# **Consumer Information About Radio Frequency Emissions**

Your wireless phone, which contains a radio transmitter and receiver. emits radio frequency energy during use. The following consumer information addresses commonly asked questions about the health effects of wireless phones.

#### Are wireless phones safe?

Scientific research on the subject of wireless phones and radio frequency ("RF") energy has been conducted worldwide for many years, and continues. In the United States, the Food and Drug Administration ("FDA") and the Federal Communications Commission ("FCC") set policies and procedures for wireless phones. The FDA issued a website publication on health issues related to cell phone usage where it states, "The scientific community at large ... believes that the weight of scientific evidence does not show an association between exposure to radiofrequency (RF) from cell phones and adverse health outcomes. Still the scientific community does recommend conducting additional research to address gaps in knowledge. That research is being conducted around the world and the FDA continues to monitor developments in this field. You can access the joint FDA/FCC website at http://www.fda.gov (under "c"in the subject index, select Cell Phones > Research) You can also contact the FDA toll-free at (888) 463-6332 or (888) INFO-FDA. In June 2000, the FDA entered into a cooperative research and development agreement through which additional scientific research is being conducted. The FCC issued its own website publication stating that "there is no scientific evidence that proves that wireless phone usage can lead to cancer or a variety of other problems, including headaches, dizziness or memory loss." This publication is available at http://www.fcc.gov/cgb/ cellular.html or through the FCC at (888) 225-5322 or (888) CALL-FCC.

#### What does "SAR" mean?

In 1996, the FCC, working with the FDA, the U.S. Environmental Protection Agency, and other agencies, established RF exposure safety guidelines for wireless phones in the United States. Before a wireless phone model is available for sale to the public, it must be tested by the manufacturer and certified to the FCC that it does not exceed limits established by the FCC. One of these limits is expressed as a Specific Absorption Rate, or "SAR." SAR is a measure of the rate of absorption of RF energy in the body. Tests for SAR are conducted with the phone transmitting at its highest power level in all tested frequency bands. Since 1996, the FCC has required that

the SAR of handheld wireless phones not exceed 1.6 watts per kilogram, averaged over one gram of tissue.

Although the SAR is determined at the highest power level, the actual SAR value of a wireless phone while operating can be less than the reported SAR value. This is because the SAR value may vary from call to call. depending on factors such as proximity to a cell site, the proximity of the phone to the body while in use, and the use of hands-free devices. For more information about SARs, see the FCC's OET Bulletins 56 and 65 at http://www.fcc.gov/Bureaus/Engineering\_Technology/Documents/bulletins or visit the Cellular Telecommunications Industry Association website at http://www.ctia.org/consumer\_info/index.cfm/AID/10371. You may also wish to contact the manufacturer of your phone.

## Can I minimize my RF exposure?

If you are concerned about RF, there are several simple steps you can take to minimize your RF exposure. You can, of course, reduce your talk time. You can place more distance between your body and the source of the RF. as the exposure level drops off dramatically with distance. The FDA/FCC website states that "hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit." Also, if you use your wireless phone while in a car, you can use a phone with an antenna on the outside of the vehicle. You should also read and follow your wireless phone manufacturer's instructions for the safe operation of your phone.

## Do wireless phones pose any special risks to children?

The FDA/FCC website states that "the scientific evidence does not show a danger to users of wireless communication devices, including children."

The FDA/FCC website further states that "some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all." For example, the Stewart Report from the United Kingdom ["UK"] made such a recommendation in December 2000. In this report a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. [The UK's] recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists. A copy of the UK's leaflet is available at http://www.dh.gov.uk (search "mobile"), or you can write to: NRPB, Chilton, Didcot, Oxon OX11 ORQ, United Kingdom. Copies of the UK's annual reports on mobile phones and RF are available online at www.iegmp.org.uk and http://www.hpa.org. uk/radiation/ (search "mobile"). Parents who wish to reduce their children's RF exposure may choose to restrict their children's wireless phone use.

### Where can I get further information about RF emissions?

For further information, see the following additional resources (websites current as of April 2005):

## U.S. Food and Drug Administration

FDA Consumer magazine November-December 2000

Telephone: (888) INFO-FDA

http://www.fda.gov (Under "c" in the subject index, select Cell Phones > Research.)

## U.S. Federal Communications Commission

445 12th Street, S.W. Washington, D.C. 20554

Telephone: (888) 225-5322

http://www.fcc.gov/oet/rfsafety

## Independent Expert Group on Mobile Phones

http://www.iegmp.org.uk

Royal Society of Canada Expert Panels on Potential Health Risks of Radio Frequency Fields from Wireless Telecommunication Devices

283 Sparks Street Ottawa, Ontario K1R 7X9 Canada

Telephone: (613) 991-6990

http://www.rsc.ca/index.php?page=Expert Panels RF&Lang id=120

## World Health Organization

Avenue Appia 20 1211 Geneva 27 Switzerland

Telephone: 011 41 22 791 21 11

http://www.who.int/mediacentre/factsheets/fs193/en/

#### International Commission on Non-Ionizing Radiation Protection

c/o Bundesamt fur Strahlenschutz Ingolstaedter Landstr. 1 85764

Oberschleissheim Germany

Telephone: 011 49 1888 333 2156

http://www.icnirp.de

## American National Standards Institute

1819 L Street, N.W., 6th Floor Washington, D.C. 20036

Telephone: (202) 293-8020

http://www.ansi.org

## National Council on Radiation Protection and Measurements

7910 Woodmont Avenue, Suite 800 Bethesda, MD 20814-3095

Telephone: (301) 657-2652 http://www.ncrponline.org

Engineering in Medicine and Biology Society, Committee on Man and Radiation (COMAR) of the Institute of Electrical and Electronics Engineers

http://ewh.ieee.org/soc/embs/comar/

## Consumer Information on SAR

(Specific Absorption Rate)

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

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

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

The highest SAR values are:

• Head: 0.76 W/kg

• Body-worn/Hotspot: 1.03 W/kg

(Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements).

While there may be differences between SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www. fcc.gov/oet/ea/fccid after searching on FCC ID ZNFVS835.

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 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled.

F-Ratings: Phones rated T3 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled

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 above example, 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 ECC Rules. The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

To ensure that the Hearing Aid Compatibility rating for your phone is maintained, secondary transmitters such as Bluetooth and WLAN components must be disabled during a call.

For information about hearing aids and digital wireless phones:

Wireless Phones and Hearing Aid Accessibility

http://www.accesswireless.org/

Gallaudet University, RERC

http://tap.gallaudet.edu/Voice/

FCC Hearing Aid Compatibility and Volume Control

http://www.fcc.gov/cgb/dro/hearing.html

The Hearing Aid Compatibility FCC Order

http://hraunfoss.fcc.gov/edocs\_public/attachmatch/FCC-03-168A1.pdf

Hearing Loss Association of America [HLAA]

http://hearingloss.org/content/telephones-and-mobile-devices

# 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 noisecancelling 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 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.

## **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-lonizing 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)

## 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.

#### 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.

# 

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 CTIA Certification Requirements for Battery System Compliance to IEEE1725. 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.
- Replace the battery only with another battery that has been qualified with
  the system per this standard, IEEE-Std-1725. Use of an unqualified
  battery may present a risk of fire, explosion, leakage or other hazard. Only
  authorized service providers shall replace battery (if the battery is nonuser replaceable).
- 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.

## Charger and Adapter Safety

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

#### Battery Information and Care

- Always unplug the charger from the wall socket after the phone is fully charged to save unnecessary power consumption of the charger.
- Please read the manual for the specified charger to learn how to charge it.
- Do not damage the power cord by bending, twisting, or heating. Do not use the plug if it is loose as it may cause electric shock or fire.
- Do not place any heavy items on the power cord. Do not allow the power cord to be crimped as it may cause electric shock or fire.
- 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.
- Recharge the battery after long periods of non-use to maximize battery life. Battery life will vary due to usage pattern and environmental conditions

- Please use only an approved charging accessory to charge your LG phone. Improper handling of the charging port, as well as the use of an incompatible charger, may cause damage to your phone and void the warranty.
- The charging temperature range is regulated between 32°F (0°C) and 95°F (35°C). Do not charge the battery outside of the recommended temperature range. Charging outside this range might cause excessive heat generation, serious battery damage, and deterioration of battery's characteristics and cycle life.
- Do not use or leave the phone in direct sunlight or in a car heated by sunshine. The battery may generate excessive heat, smoke, or flame. It also might cause deterioration of battery's characteristics or cycle life.
- If skin or clothing is smeared with liquid from the battery, wash with fresh water. It may cause the skin inflammation.
- Please take your phone to an authorized service center immediately if this
  occurs.
- Do not handle the phone with wet hands while charging. It may cause an
  electric shock or seriously damage your phone.
- Do not place or answer calls while charging the phone as it may shortcircuit the phone and/or cause electric shock or fire.
- The charger and adapter are intended for indoor use only.
- Insert the battery charger horizontally into the wall power socket.
- Talking on your phone for an extended period of time may reduce call quality due to heat generated during use.
- Do not use harsh chemicals (such as alcohol, benzene, thinners, etc.) or detergents to clean your phone as this could cause a fire.
- Do not place or answer calls while charging the phone as it may shortcircuit the phone and/or cause electric shock or fire.

## 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 and may cause an explosion. Always cover the receptacle when not in use.

#### General Notice

- Do not place items containing magnetic components such as a credit card, phone card, bank book, or subway ticket near your phone. The magnetism of the phone may damage the data stored in the magnetic strip.
- Talking on your phone for a long period of time may reduce call quality due to heat generated during use.
- When the phone is not used for a long period time, store it in a safe place with the power cord unplugged.
- Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference to the phone.
- Do not immerse your phone in water, liquid, or expose to high humidity. If the phone is expose to liquid, turn it off immediately and bring it to an LG Authorized Service Center
- Do not paint your phone.

- The data saved in your phone might be deleted due to careless use, repair
  of the phone, or upgrade of the software. Please backup your important
  phone numbers (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.

## **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

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

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

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

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- · Occupational Safety and Health Administration
- 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/oet/rfsafety) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

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

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

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

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

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

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

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

National Radiological Protection Board (UK) (http://www.hpa.org.uk/radiation/)

## **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.

## 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:

- 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.
- 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 voice mail 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.

#### **Cautions**

- ▶ The user interface of Google apps (Google Search, Google Maps, Navigation, etc.) can vary depending on its software version.
- ▶ Locations are inaccurate when GPS and Wi-Fi are not set.
- With the Android operating system, some available Play Store apps only operate correctly with phones that have a specific screen resolution. Please be advised that some of the apps on Play Store may not be available for your phone due to an LCD resolution requirement that doesn't match your phone. In addition, please be aware that third party apps with programming defects may cause issues with your phone, including lock ups and resets.
- All of the phone's contents, including content which you create or download, will be deleted after a Factory Reset.

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- ▶ Use your phone in temperatures between 0°C and 35°C, if possible. Exposing your phone to extremely low or high temperatures may result in damage, malfunction, or even explosion.
- ▶ There is risk of explosion if the battery is replaced with an incorrect type.
- ▶ Dispose of used batteries according to the manufacturer's instructions. Please recycle when possible. Don't dispose as household waste.

### Wi-Fi (WLAN)

This equipment may be operated in all European countries.

The 5150 - 5350 MHz band is restricted to indoor use only.



To prevent possible hearing damage, don't listen at high volume levels for long periods.

 Excessive sound pressure from earphones and headphones can cause hearing loss.

### DECLARATION OF CONFORMITY

Hereby, LG Electronics declares that this LGVS835product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the Declaration of Conformity can be found at http://www.lg.com/global/declaration

## Exposure to radio frequency energy

Radio wave exposure and Specific Absorption Rate (SAR) information.

This mobile phone model LGVS835 has been designed to comply with applicable safety requirements for exposure to radio waves. These requirements are based on scientific quidelines that include safety margins designed to assure the safety of all persons, regardless of age and health.

- ▶ The radio wave exposure quidelines employ a unit of measurement known as the Specific Absorption Rate (SAR). Tests for SAR are conducted using standardized methods with the phone transmitting at its highest certified power level in all used frequency bands.
- ▶ While there may be differences between the SAR levels of various LG phone models, they're all designed to meet the relevant guidelines for exposure to radio waves.
- ▶ The SAR limit recommended by the International Commission on Non-lonizing Radiation Protection (ICNIRP) is 2 W/kg averaged over 10g of tissue.
- ▶ The highest SAR value for this model phone tested for use at the ear is 0.582 W/Kg (10g) and when worn on the body is 1.060 W/kg (10g).
- ▶ This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 0.5 cm away from the body. When a carry case, belt clip or holder is used for bodyworn operation, it shouldn't contain metal and should position the product at least 0.5 cm away from your body. In order to transmit data files or messages, this device requires a quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Ensure the above separation distance instructions are followed until the transmission is completed.

# **Open Source Software**

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit http://opensource.lge.com.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge. com. This offer is valid for three (3) years from the date on which you purchased the product.

# Trademarks

- Bluetooth® is a registered trademark of Bluetooth SIG, Inc. worldwide.
- Wi-Fi® and the Wi-Fi logo are registered trademarks of the Wi-Fi Alliance.
- Google<sup>™</sup>, Google Maps<sup>™</sup>, Gmail<sup>™</sup>, YouTube<sup>™</sup>, Hangouts<sup>™</sup> and Play Store™ are trademarks of Google, Inc.

Please check to see if any issues you've 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
Bluetooth	Bluetooth Devices	What are the functions available via Bluetooth?	Stereo/Mono Headset, Car Kit, and FTP connections are available. When your phone is connected to another phone via Bluetooth, you can receive Contacts data. You can share data with other Bluetooth devices when you run a corresponding app.
Data	Contacts Backup	How can I back up Contacts?	The Contacts data can be synchronized between your phone and Gmail <sup>TM</sup> .
Data	Synchronization	Is it possible to set up one-way-sync with Gmail?	Only two-way synchronization is available.
Data	Synchronization	Is it possible to synchronize all of the Email folders?	All of your Email folders are synchronized. From the Email app, tap the Email Menu icon then tap the desired folder or Show all folders to view all available folders.
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 into Gmail again.
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 app (instead of the Chrome app).

CATEGORY	SUB-CATEGORY	QUESTION	ANSWER
Phone Function	Email	What happens when I access another app while writing an email?	Your email is automatically saved as a draft when you access another app. It's still displayed when you return to Email, until you close the Email app. When you open the Email app again, from your lnbox, tap the Email Menu icon 3 > Drafts to access it.
Phone Function	Ringtone	Is there a file size limitation for when I want to use an .MP3 file as a ringtone?	There's no file size limitation.
Phone Function	Navigation	Is it possible to install another navigation app on my phone?	Any app that's available on Play Store and is compatible with the hardware can be installed and used.
Phone Function	Synchronization	Is it possible to synchronize my contacts from all of my email accounts?	Only Gmail and MS Exchange server (Company Email Server) contacts can be synchronized.
Phone Function	Wait and Pause	Why don't my phone numbers with Wait and Pause work?	If you transferred a contact with the Wait and Pause functions saved into the number, you'll need to re-save each number to use these features.  To re-save numbers with Wait and Pause  1. From the Home screen, tap the Phone icon and select the Dial tab.  2. Dial the number, then tap the Options icon .  3. Tap Add 2-sec pause or Add wait, enter the remaining numbers, then tap Update contact to save the number for the Contact.

CATEGORY	SUB-CATEGORY	QUESTION	ANSWER
Phone Function Security			You can set the phone to require the entry of an unlock sequence (Knock Code, pattern, PIN, or password) before the phone can be accessed or used. You also have the option of recording a fingerprint impression to unlock your phone.
		What are the	You can also encrypt your phone's data (and/or your microSD card data) using the Fingerprints & security menu in the Settings app.
	Security	phone's security functions?	As an added anti-theft measure, add your Google Account on your phone which will embed it in the setup process. If a factory reset is performed, your phone will not finish the setup process until your embedded Google Account and password are entered again. Don't forget your Google Account information because if you can't provide it after a factory reset, you won't be able to use your phone at all.
Phone Function			From the Home screen, touch and hold the Recent Apps button .
			2. Tap Lock screen settings.
	Unlock Pattern	How do I create the unlock Pattern?	3. Tap Select screen lock.
			Tap Pattern. The first time you do this, a short tutorial about creating an unlock pattern appears.
			Set up by drawing your pattern once, tap NEXT, draw it again, then tap CONFIRM.

CATEGORY	SUB-CATEGORY	QUESTION	ANSWER
			Yes. You can set Speed Dials as well as save a contact directly on your Home screen.
			To set a Speed Dial:
			1. Open the <b>Contacts</b> app.
			2. Tap the Options icon : > Speed dial.
			Tap the speed dial location and select the desired contact.
Phone Function	Speed Dial	Is Speed Dialing supported?	NOTE You can also tap the Speed dial icon (38) next to the number in a contact's entry, then select the speed dial you want to set.
			To set a Direct Dial shortcut to your Home screen:
			Touch and hold an empty area on your Home screen, then tap the Widgets icon
			Touch and hold the <b>Direct dial</b> , then drag it where you want it placed.
			3. Tap the contact in your Contacts list.
Phone Function	Memory	Will I know when my memory is full?	Yes, you'll receive a notification.
		Is it possible to change the language?	The phone has multi-lingual capabilities.
			To change the language:
Phone Function			<ol> <li>From the Home screen, touch and hold the Recent Apps button &gt; Settings.</li> </ol>
	Language Support		2. Tap Language & input > Language.
			3. Tap the desired language.
			NOTE To set multiple languages for your on-screen keyboard, from the Language & input screen, tap LG Keyboard, tap Select languages, then checkmark the languages you want to be able to type.

CATEGORY	SUB-CATEGORY	QUESTION	ANSWER
Phone Function	Language Support	Which languages are supported when using Play Store?	The <b>Play Store</b> app supports English and Spanish. Third party apps may not support all languages.
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?	From the Home screen, touch and hold the Recent Apps button      Settings > Display > Screen timeout.     Tap the preferred screen backlight timeout time.
Phone Function	Wi-Fi and 4G	When Wi-Fi and 4G are both available, which service will my phone use?	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.  To know which data connection is being used, check the 4G To or Wi-Fi icon In the Status Bar at the top of your screen.
Phone Function	Home Screen	Is it possible to remove an app from the Home screen?	No. Apps can't be removed from the Home screen, but you can uninstall apps that you've downloaded to your phone to remove them. Just touch and hold the downloaded app icon until the Uninstall bar appears at the top of the screen. Then, without lifting your finger, drag the icon to the Remove bar, then lift your finger.

CATEGORY	SUB-CATEGORY	QUESTION	ANSWER
Phone Function	Application	I downloaded an app and it causes a lot of errors. How do I remove it?	From the Home screen, touch and hold the Recent Apps button □.     Tap Settings > Application manager.     Tap the app > Uninstall.  NOTE You can also touch and hold the app, then drag it to the Uninstall bar at the top of the screen.
Phone Function	Ringtones	Can I use music files for my ringtones?	Yes. After saving a music file as a ringtone, you can use it anywhere you can set ringtones as an alert.  To save a music file as a ringtone:  Touch and hold a song in a library list. In the context menu that opens, tap  Set as ringtone, then tap Phone ringtone. The added ringtone becomes your default ringtone.  NOTE If you tap Caller ringtones instead, you can set the selected song for a specific contact.
Phone Function	Alarm	Will my alarm be audible or will it go off if the phone is turned off?	No, that functionality isn't supported.
Phone Function	Alarm	If my ringer volume is set to Off or Vibrate, will I hear my alarm?	Your alarm is programmed to be audible even in these scenarios.
Recovery Solution	Power Reset	The phone is locked-up and does not function. How can I reset it?	In the case of a malfunction or lock up error, press and hold the Volume Down button and the Power/Lock button at same time for about 11 seconds until device reset.

CATEGORY	SUB-CATEGORY	QUESTION	ANSWER
Phone Function	Battery module	Insert wrong battery module. Insert damaged module or insert the module not properly.	See Installing the battery for details.  Device specifications may vary, depending on the area and mobile service provider. To purchase additional battery modules or compatible optional items, contact an LG Electronics Service Centre for support.

ARBITRATION NOTICE: THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LIGHT RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS YOU CHOOSE TO OPT OUT. IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED. "PROCEDURE FOR RESOLVING DISPUTES" BELOW.

# Warranty Laws

The following laws govern warranties that arise in retail sales of consumer goods:

- The California Song-Beverly Consumer Warranty Act [CC §§1790 et seal.
- The California Uniform Commercial Code, Division Two [Com C §§2101 et seal, and
- The federal Magnuson-Moss Warranty Federal Trade Commission Improvement Act [15 USC §§2301 et seg; 16 CFR Parts 701-703]. A typical Magnuson-Moss Act warranty is a written promise that the product is free of defects or a written promise to refund, repair, or replace defective goods. [See 15 USC §2301(6).] Remedies include damages for failing to honor a written warranty or service contract or for violating disclosure provisions. [See 15 USC §2310(d).] Except for some labeling and disclosure requirements, the federal Act does not preempt state law. [See 15 USC §2311.]

# 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:

- 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 IG 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://www.lg.com/us/support 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.

# PROCEDURE FOR RESOLVING DISPUTES:

ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. BINDING ARBITRATION MEANS THAT YOU AND LG ARE EACH WAIVING THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION.

Definitions. For the purposes of this section, references to "LG" mean LG Electronics MobileComm U.S.A., Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to "dispute" or "claim" shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale. condition or performance of the product or this Limited Warranty.

Agreement to Binding Arbitration and Class Action Waiver, You and LG agree to resolve any claims between us only by binding arbitration on an individual basis, unless you opt out as provided below. Any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person's or entity's product or claim. More specifically, without limitation of the foregoing, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action. may not be brought on a class or representative basis.

Arbitration Rules and Procedures. To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be administered by the American Arbitration Association (AAA) and will be conducted before a single arbitrator under the AAA's Consumer Arbitration Rules that are in effect at the time the arbitration is

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initiated(referred to as the "AAA Rules") and under the procedures set forth in this section. The AAA Rules are available online at <a href="https://www.adr.org/consumer.">www.adr.org/consumer.</a>. Send a copy of your written demand for arbitration, as well as a copy of this provision, to the AAA in the manner described in the AAA Rules. You must also send a copy of your written demand to LG at LG Electronics, USA, Inc. Attn: Legal Department-Arbitration 1000 Sylvan Avenue Englewood Cliffs, NJ 07632. If there is a conflict between the AAA Rules and the rules set forth in this section, the rules set forth in this section will govern. This arbitration provision is governed by the Federal Arbitration Act. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. All issues are for the arbitrator to decide, except that issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

Governing Law: The law of the state of your residence shall govern this Limited Warranty and any disputes between us except to the extent that such law is preempted by or inconsistent with applicable federal law.

Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees to the AAA unless you seek more than \$25,000 in damages, in which case the payment of these fees will be governed by the AAA Rules. Except as otherwise provided for herein, LG will pay all AAA filing, administration and arbitrator fees for any arbitration initiated in accordance with the AAA Rules and this arbitration provision. If you prevail in the arbitration, LG will pay your reasonable attorneys' fees and expenses to the extent required by applicable law. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the standards set forth in Federal Rule of Civil Procedure 11(b)), then the payment of all arbitration fees will be governed by the AAA Rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the AAA

Rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration

Hearings and Location. If your claim is for \$25,000 or less, you may choose to have the arbitration conducted solely on the basis of (1) documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the AAA Rules. If your claim exceeds \$25,000, the right to a hearing will be determined by the AAA Rules. Any in-person arbitration hearings will be held at a location within the federal judicial district in which you reside unless we both agree to another location or we agree to a telephonic arbitration.

Opt Out. You may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either: (i) sending an e-mail to optout@lge. com, with the subject line: "Arbitration Opt Out" or (ii) calling 1-800-980-2973. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased: (c) the product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable (the IMEI or MEID or Serial Number can be found (i) on the product box: (ii) on a label on the back of the product beneath the battery, if the battery is removable; or (iii) from the settings menu via the following path: Settings > About phone > Status). You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty, If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.

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