



User Guide

LG G2

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User Guide

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LG G2

Guía del
Usuario



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Before you begin

Before reading this user guide and getting started, please review the separate Product Safety and Warranty Information guide for important product safety and warranty information about your device.

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Phone Overview

Front View



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.

1. **Proximity Sensor** Senses proximity toward other objects (such as your head) so that tap commands are not accidentally activated during a call. It also employs an ambient sensor which measures the surrounding light and adjusts the LCD brightness to provide a vivid screen.

NOTE Do not block the sensor or near the sensor to avoid problems with the touchscreen.

2. **Front Camera Lens** Use to take pictures and record videos of yourself. You can also use this for video chatting. Keep it clean for optimal performance.
 3. **Quick Keys** Provide quick, one-touch access to the applications you use most often.
- NOTE** You can change the icons in the Quick Keys bar to suit your needs. To reposition, add, or remove an icon, see pages 17.
4. **Back Key** Returns to the previous screen. Also closes pop-up items such as menus, dialog boxes, and the on-screen keyboard.
 5. **Home Key** Returns to the Home screen (or returns to your default Home screen canvas from any of the Home screen extension canvases) Touch and hold it to access Google Now.

6. **Recent Apps Key** Tap this Touch Key (in the Touch Keys bar) to display recently used apps. Touch and hold this key to open an Options menu with options that affect the current screen or app. This only applies when available, depending on the screen or app.
7. **Menu Key** Opens an Options menu with options that affect the current screen or application. This only applies when available, depending on the screen or application.
8. **Home Screen** Displays all of the information needed to operate your phone, such as applications, call status, date, time, signal status, and battery strength.
9. **Earpiece** Lets you hear callers and automated prompts.

Rear View





WARNING For your safety, do not attempt to remove the embedded battery from the phone.

10. **Rear Camera Lens** Use to take photos and record videos. Keep it clean for optimal performance.
11. **Power/Lock Key** Press to lock/unlock the screen. Press and hold to turn the phone on/off, restart it, and activate/deactivate airplane mode.
12. **NFC Touchpoint** Tap the back of your phone to an NFC tag or another NFC compatible device in this location.
13. **Wireless Charging Area** Allows you to charge your device using a wireless charging pad (sold separately) instead of the USB cable. The integrated antenna is also inside this back area of the phone.

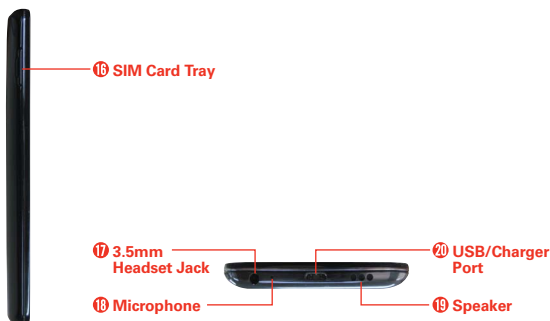
14. **Volume Keys** Allow you to adjust the ringer, the media volumes, or the in-call volume during a call.

TIP

- With the screen asleep (dark), press and hold the **Volume Down Key**  to activate the camera.
- With the screen asleep (dark), press and hold the **Volume Up Key**  to access QuickMemo+.

15. **LED Flash** Brightens up the captured image or recorded video when you turn on the flash.

Left Side View and Bottom View





16. **SIM Card Tray** Allows you to insert your SIM card. A valid SIM card is required to have access to the mobile network.
- NOTE** This phone comes with the SIM card preinstalled.
17. **3.5mm 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.
18. **Microphone** Transmits your voice to the other caller and is used for voice-activated functions.
19. **Speaker** Sound comes from the rear speaker instead of the earpiece (e.g., the speakerphone function, music player function, etc.).
20. **USB/Charger Port** Allows you to connect the phone and the USB Cable for use with the charger adapter, or other compatible accessories.

NOTE You may purchase a separate fast data cable from LG to enjoy higher data transfer speed with compatible devices (e.g. laptop).

Help

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

To access Help, from the Home screen, tap the **Apps Key**  > **Help** .

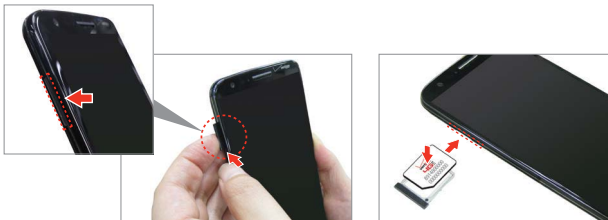
Non-Removable Battery

Your phone has an internal, rechargeable battery that should be replaced only by LG or an authorized LG repair center. You should never try to open or take apart this phone yourself. Opening the phone can cause damage that will void your warranty.

Optional: Remove the SIM Card

NOTE The SIM card is pre-installed in your smartphone. If you need to replace your SIM card, follow the below instructions.

1. Place your fingernail in the cutout and pull the SIM card tray out.
2. Place the SIM card into the tray with the contacts facing down.
3. Carefully put the tray back in the slot and push it gently into the phone.



Charging the Phone

Your phone comes with a USB Cable and an adapter which connect together to charge your phone. Correctly orient the USB/Charger plug before inserting it to avoid damaging your phone.

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.

1. Correctly orient the USB Cable with the 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.



2. The USB/Charger Port is located at the bottom of the phone. Correctly orient the cable with the port before plugging it in. As shown below, the USB logo on the cable will face upward.
3. Plug the adapter into an electrical outlet to begin charging.

Charging with the USB cable



USB Cable

NOTE

Make sure to correctly orient the cable 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 is best to use the rear USB port when connecting to a desktop PC. The USB hub should be powered by an external power source.

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 applications and system resources consume battery power.

Tips to extend the life of your battery

- ▶ Turn off radio communications that you aren't using. If you aren't using Wi-Fi, Bluetooth, or GPS, use the Settings menu to turn them off (Note that the GPS receiver is only turned on when you're using an application that makes use of it).
- ▶ Turn down screen brightness and set a shorter screen timeout.
- ▶ Turn off automatic syncing for Gmail, Calendar, Contacts, and other applications if you don't need it.
- ▶ Use the Battery saver feature (accessed in the Settings menu) to control data activity, Wi-Fi connection, Bluetooth connection, and power used for the device such as screen brightness and notification light.

NOTES

- Allowing other devices to use your device's hotspot connection will drain your battery more quickly.
- If you accidentally press the Power/Lock Key while the device is in your pocket, the screen will turn off automatically in order to save battery power.



To check the battery charge level

From the Home screen, tap the **Apps Key**  > **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.
- ▶ Checkmark the **Battery percentage on Status Bar** checkbox 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 use screen allows you to see which applications are consuming the most battery power. Information on this screen allows you to identify downloaded applications you may want to turn off when not being used, so you can get the most out of your battery power.

- ▶ From the Home screen, tap the **Apps Key**  > **Settings**  > **About phone** > **Battery** > **Battery usage**. The top of this screen displays a usage graph and below it, battery usage times. It lists all of the applications or services using battery power from the greatest amount of energy used to the least amount.
- ▶ Tap an application or service in the Battery use screen to see the details about its power consumption, including either how long since last connected to a power source or how long you were last running on battery power. Different applications 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 application.


Battery saver mode

If the battery charge level drops to low levels, the phone automatically activates Battery saver mode (if set to On) to conserve battery power until you can recharge it.


- ▶ From the Home screen, tap the **Apps Key**  > **Settings**  > **Battery** > **Battery saver**.
- ▶ From the Battery saver screen, select to activate Battery saver mode immediately, or when the charge drops to 5% or 15%. If you turn off Battery saver mode, when the battery charge becomes low, a notification prompts you to turn it on.

Turning the Phone On and Off

Turning the phone on

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




Turning the phone off

1. Press and hold the **Power/Lock Key**  on the back of the phone until the Phone options menu appears.
2. Tap **Power off** in the Phone options menu.
3. Tap **OK** 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. You can disable this feature in the Gestures settings.

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

- NOTES**
- The KnockON feature can be turned off in the Gestures menu. From the Home screen, tap **Apps**  > **Settings**  > **Gestures** > tap the **KnockON** checkbox .
 - When turning the screen on, make sure you do not cover the proximity sensor. Doing so will not allow you to turn the screen on.

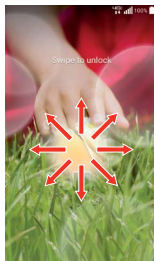
To unlock the phone

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:

1. Turn the screen on.
 - ▶ Press the **Power/Lock Key**  on the back of the phone. The default Lock screen will appear.

- NOTE** Avoid covering the proximity sensor when turning the screen on. Doing so, immediately turns the screen off.

OR



- ▶ Quickly double-tap the center of the screen (KnockON).
2. From the center of the screen, swipe in any direction to unlock it.
 - ▶ To use a shortcut, swipe the shortcut icon at the bottom of the screen in any direction. The screen will unlock and launch the application.

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 pattern, PIN, or password) that will need to be entered to unlock it.

Your Google Account

You must sign into a Google Account to use Gmail, Hangouts, Google Calendar, and other Google Applications; to download applications from the 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 have a Google Account, you're prompted to create one.
- If you don't sign into a Google Account during setup, you are prompted to sign in or to create a Google Account the first time you start an application 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 applications 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 into that account.

Setting up your Google Account

If you use Setup Wizard to set up your Google Account, it guides you through the following steps.

1. On your phone, launch an application that requires a Google Account (such as Play Store or Gmail).
2. Enter your email and tap **NEXT**.

NOTE If you do not already have a Google Account, tap **OR CREATE A NEW ACCOUNT** and follow the on-screen prompts to create your new account.

3. Enter your password and tap **NEXT**.
4. 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.

You can use the area below to record your Google Account information for future reference.


Username: _____@gmail.com

Password: _____

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.








If you have more notifications than can fit in the Status Bar, the More notifications icon  is displayed as an indicator to open the Notifications panel to view them all.

The following icons may appear in the Status Bar.

Call icons


















	In call		Missed call
	Speakerphone is on		Microphone is muted
	Video call		

Sound icons
















	Interruptions - None		Interruptions - Priority
	Vibrate mode		Music playing
	Music paused		

Network icons








	3G connection		3G in use
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	4G LTE connection		4G LTE in use
	Wi-Fi connection		Signal strength
	No signal		Roaming
	Network extender		No SIM card
	Unknown SIM card		Airplane mode is activated
	GPS is on		App update available
	App update successful		Downloading
	Uploading		Download successful
	Emergency Alert		

Connectivity icons

	Syncing		Problem with sign-in or sync
	Mobile Hotspot is on		USB connected
	USB debugging mode		Mobile Broadband Connect
	Bluetooth is connected		Bluetooth is on
	Bluetooth headset battery full		Bluetooth headset battery low
	NFC is on		Headset connected
	Headset with microphone connected		Driving mode
	Internal storage full		






Email and Messaging icons

	New email		New Gmail message
	New message		New Verizon message
	New voice mail		Email not sent
	Message not sent		

Calendar and Alarm icons

	Alarm is set		Upcoming events
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Battery icons

	Full battery		Charging battery
	Low battery		Empty battery
	Not charging		

Other icons

	More notifications available		Screenshot saved
	Keyboard		

CALL

	Incoming call		Outgoing call
	Missed call		Rejected call

Getting to Know the Home Screen

The Home screen is your starting point to access all of the features on your phone. It displays application shortcuts, icons, widgets, and other features.

Status Bar

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

Application Icon

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

Quick Keys

Provide easy, one-touch access to the functions used most often.



Apps Key

Tap here to open the Applications screen to view all of your installed applications.








Front Touch Keys

Displayed on all screens, these keys allow you to easily navigate within the device software.

Quick Keys

The Quick Keys are located in a bar at the bottom of the Home screen (in portrait view).

NOTE Five icons are displayed, but the Quick Keys bar can hold up to seven icons. You can modify the icons in this bar to suit your needs.

- : Opens the **Phone** application which displays the dialpad so you can dial a number not stored in your phone's memory. It also provides additional tabs at the top of the screen to access your Recent calls, Contacts, Favorites, and Groups.
- : Opens the **Contacts** application which displays the names and numbers stored in your phone's memory. It also provides additional tabs at the top of the screen to access the dialpad, your Recent calls, Favorites, and Groups.
- : Opens the **Chrome** application to access the web browser.
- : Opens the **Messaging** application so you can send and view text and multimedia messages.
- : Opens the **Applications** screen which displays phone options and applications. It also provides a Widget tab, a Search icon , and a Menu options  at the top of the screen.

Modifying the Quick Keys Bar

You can modify the icons in the Quick Keys bar to suit your needs.

- ▶ **Rearrange:** Touch and hold the icon to move, then drag it to another position in the Quick Keys bar.
- ▶ **Add:** Open the Applications screen, then drag the icon you want onto the Quick Keys bar.
- ▶ **Delete:** Touch and hold the icon to delete, then drag it to the Remove icon that appears at the top of the screen.

Front Touch Keys

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

NOTE The Front Touch Keys are displayed along the right side of the screen when the phone is held sideways.

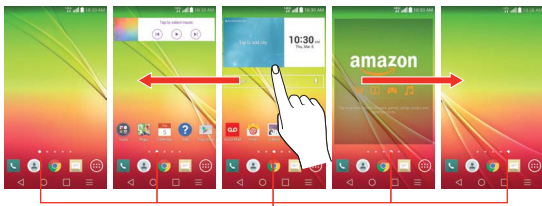
- ◀ **Back Key:** Tap to back up one step at a time and close on-screen items such as pop-up messages, the on-screen keyboard, etc.
- **Home Key:** Tap to immediately return to the Home screen. Touch and hold to access Google Now.
- **Recent Apps Key:** Tap to display the apps you recently used. Touch and hold to access available options for the current screen or app.
- ≡ **Menu Key:** Tap to display the available Options menu.

To return to the Home screen

- ▶ Tap the **Home Key** ○ (in the Front Touch Keys bar) at any time, from any application.

To view other Home screen canvases

- ▶ Swipe (or flick) your finger left or right across the Home screen. The Home screen is comprised of five sliding canvases, but you can add up to seven canvases to allow more space for icons, widgets, shortcuts, and other items.



Home Screen Canvas Indicator

The white dot above the Quick Keys indicates which Home screen canvas you are viewing.



- ▶ Pinch in on the Home screen to display the mini canvas view, then tap the Home screen canvas you want to view.



Mini canvas view

Mini canvas view allows direct access to any of the Home screen canvases and also allows you to manage them. You can add, delete, and rearrange the canvas order to suit your needs.

Pinch in on any of the Home screen canvases to change from full screen view to mini canvas view. From mini canvas view you have the following options:

- ▶ To go directly to any canvas, simply tap the one you want.
- ▶ To add another canvas, tap the **Add canvas** icon .
- ▶ To delete a canvas, touch and hold the canvas to delete, drag it to the Remove bar at the top of the screen, then lift your finger.
- ▶ To rearrange your canvases, touch and hold the canvas to move, drag it on top of the canvas position where you want it, then lift your finger. The moved canvas takes that position and the remaining canvases shift accordingly.
- ▶ To set another canvas as the default Home screen, tap  at the bottom of the screen, then tap the screen you want to set as the default Home screen canvas.

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 and the Status Bar are displayed. To redisplay your normal Home screen with all of its applications

and widgets, pinch in on the screen, or tap the **Back Key** ◀ (in the Front Touch Keys bar).

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

Using Dual View

Dual view allows you to easily add items to any of the Home screen canvases. Touch and hold an empty spot on any of the Home screen canvases to view your Home screen on top and the Applications screen on the bottom. Flick sideways to scroll through the Home screen canvases to display the canvas you want. At the bottom of the screen, tap the type of item you want to add (Apps, Widgets, or Wallpapers), then flick sideways to scroll through the available choices. Simply tap the item you want to automatically add it to the canvas viewed at the top of the screen.

NOTE The Quick Keys are not accessible while in Dual view.

To return to the full screen view, tap the **Back Key** ◀ (in the Front Touch Keys bar). You can also tap one of the Home screen canvases.

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

Touchscreen

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

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

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

Touch and hold Touch and hold an item on the screen by touching it and not lifting your finger until an action occurs. For example, to open a

Context menu for editing a contact, touch and hold a contact entry until the menu pops up.

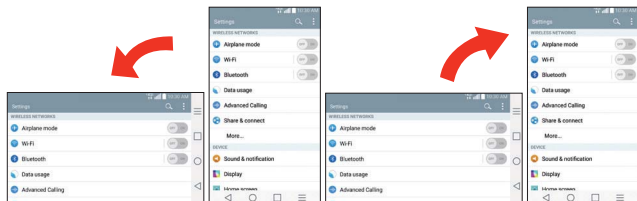
Drag Touch and hold an item for a moment and then, without lifting your finger, move your finger on the screen until you reach the target position. For example, you can drag items on the Home screen to reposition them.

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 different Home screens by swiping from left to right (and vice versa), slide the screen up or down to scroll a list, or remove an application 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 applications. Double-tap a word to highlight it. Double-tap can also activate the KnockON feature to turn the touchscreen on or off.



Pinch-to-zoom 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, the Contacts list, the Favorites list, the Groups list, the Messaging list, a music list, and POLARIS Office 5 documents. 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 changes the Home screen. Pinch in on the Home screen to change to mini canvas view, then spread apart to return to the normal Home screen view. Spread apart on the normal Home screen to hide all of your Home screen items, then pinch in to redisplay them.

Rotate the screen From many applications, the orientation of the screen rotates with the phone as you turn it from upright to sideways and back again. You can deactivate this function in the Display settings menu.



Rotate the phone sideways for landscape orientation.


Rotate the phone upright for portrait orientation.

Capturing the screen Press and hold the **Volume Down Key**  and the **Power/Lock Key**  on the back of the device at the same time to capture the current image on the screen. You can find the captured image in the **Gallery** application.

NOTE You cannot capture an image from some videos and applications.

The Smart screen

The Smart screen feature keeps the device from activating screen timeout when it detects your eyes looking at the screen. When you turn this feature on, you can set a shorter screen timeout setting to conserve your battery power, but still allow you to view a screen for a longer period of time without having to touch it to keep it activated.

To turn this feature on, from the Home screen, tap the **Menu Key**  (in the Front Touch Keys bar) > **Settings** > **Display** > checkmark the **Smart screen** checkbox.

NOTES The following situations may prevent these features from functioning properly:

- When the device is in the dark or against bright light.
- When the front camera cannot detect the location of your eyes.
- When the front camera is used at the same time with other applications.

Text Input Methods

On-screen Keyboard

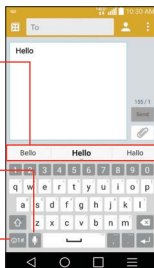
The on-screen keyboard displays automatically on the screen when you need to enter text. To manually display the on-screen keyboard, simply tap a text field where you want to enter text.

Selection Box

Tap a displayed item to insert it in the text field.

Touch and hold to enter text by voice and handwriting or access the clip tray and keyboard settings.

Toggles between 123/SYM mode and ABC mode.

















Modifying your LG keyboard characteristics

From the Home screen, tap the **Menu Key** \equiv (in the Front Touch Keys bar) > **Settings** > **Language & input** > the **Settings** icon ⚙ (next to LG Keyboard) > **Keyboard height and layout**.


- ▶ The **Phone keyboard layout** setting allows you to select symbol and setting keys in the keyboard's side columns.
- ▶ The **QWERTY layout** setting allows you to select the default keys on either side of the Space key.
- ▶ The **Extend keyboard** setting displays numeric keys on the top row of the keyboard.
- ▶ The **Keyboard height** setting allows you to change the size ratio between the keyboard and screen.
- ▶ The **Keyboard theme** setting allows you to choose a theme for your keyboard.
- ▶ The **Split keyboard** setting allows you to split the keyboard in half by spreading two fingers to the left and right.



- The **One-handed operation** setting allows you to swipe the keyboard left or right to adjust the position of the LG keyboard.

Typing tips	
Enter other characters	Tap the Numbers/Symbols Key  to display the numbers and symbols keyboard. Tap the Arrow Keys   on the left side of the keyboard to view additional symbols. From the Numbers/Symbols keyboard, you can also tap the Emoticons Key  to enter emoticons into your text. To enter foreign characters, touch and hold the associated key to display a pop-up of character choices (e.g., the “a” key also includes an accent mark “á”), drag your finger to the character you want, then lift your finger.
Enter one capital letter	Tap the Shift Key  to capitalize the next letter. The key changes to  .
Enter all capital letters	Double-tap the Shift Key  to set caps lock. The key changes to  . 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 blue highlight markers to highlight the text you want.
Cut or copy selected text	Highlight the desired text, then tap Cut or Copy in the action box above the highlighted text.
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.
Delete a character	Tap the Delete Key  .

Entering text by voice or handwriting	Touch the Voice input Key  to enter text by voice. To enter handwriting text, touch and hold the Voice input Key, then drag your finger to the Handwriting icon  (in the pop-up that appears) and lift it.
Accessing the Clip Tray and keyboard settings	Touch and hold the Voice input Key  then drag your finger to the Clip Tray icon  (in the pop-up that appears).

Text input settings



To change your text input settings and see the dictionary of terms you've used, from the Home screen, tap the **Menu Key**  (in the Front Touch Keys bar) > **Settings** > **Language & input**. The following options are available in the KEYBOARD & INPUT METHODS section.

- ▶ **Default** - Designates the default keyboard to use when entering text.
- ▶ **LG Keyboard** - Tap the Settings icon  (on the right side of the screen) to change the following settings.
- ▶ **Google voice typing**: Checkmark to select Google voice typing to enter text. Tap the Settings icon  to change the Google voice typing settings.
- ▶ **Voice Search**: Sets voice search options.
- ▶ **Text-to-speech output**: Sets the preferred speech engine and speech rate (very slow to very fast). Also plays a short demonstration of speech synthesis and displays the language status.
- ▶ **Pointer speed**: Sets the pointer speed.




Languages

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


To change the default language

- ▶ From the Home screen, tap the **Apps Key**  (in the Quick Keys bar) > **Settings**  > **Language & input** > **Language** > tap the language you want.

To add additional languages for your keyboard





- ▶ From the Home screen, tap the **Apps Key**  (in the Quick Keys bar) > **Settings**  > **Language & input**. Tap the Settings icon  to the right of LG Keyboard, tap **Input language and keyboard layout**, then checkmark the languages you want the keyboard to be able to use.

OR

- ▶ Open the Notifications panel (when an app that allows text input is open), tap **Choose input method** > **Setup input methods** > the Settings icon  to the right of LG Keyboard > **Input language and keyboard layout**, then checkmark the language you want to be able to use.

Hardware key control mode

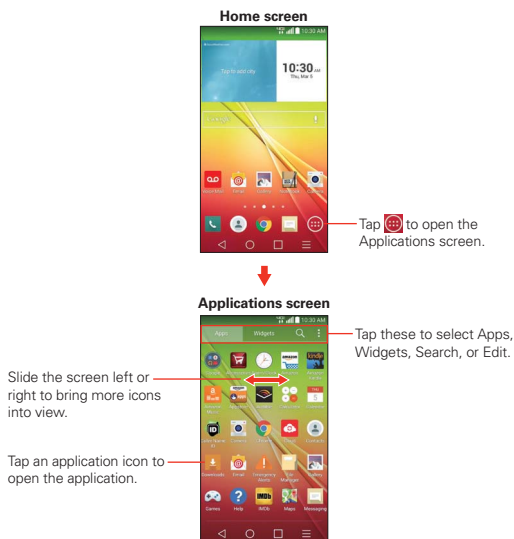
If your phone display is damaged or broken, you can answer an incoming call, end a call, or turn off an alarm using the hardware keys.

1. Turn your phone off.
2. Press and hold the **Power/Lock Key**  and the **Volume Keys**  at the same time for more than 6 seconds to enter the Hardware key control mode.
3. Press the **Volume Keys**  to scroll to the desired option, then press the **Power/Lock Key**  to confirm.
 - ▶ **Answer a call:** Press the **Volume Keys** at the same time.
 - ▶ **End a call:** Press the **Power/Lock Key** during a call.
 - ▶ **Stop an alarm:** When an alarm rings, press and hold the **Volume Up Key** or **Volume Down Key** to stop the alarm. Press once to snooze the alarm.

NOTE If you use your phone with a broken display glass, your phone can break even more or you can be injured. Make sure to visit the LG authorized service center to get your phone repaired.



Applications: How to View, Open, and Switch

All of the applications on your phone, including any applications that you downloaded and installed from Play Store or other sources, are grouped together on the Applications screen, which you access from your Home screen. If you have more applications than can fit on the Applications screen, you can slide the screen left or right to view more.



Opening and Closing the Applications screen

Opening the Applications screen

It's easy to access the Applications screen no matter what feature you're currently using. Simply tap the **Home Key**  (in the Front Touch Keys bar), then tap the **Apps Key**  (in the Quick Keys bar).

Closing the Applications screen

To manually close the Applications screen, tap the **Home Key** ○ or the **Back Key** ◀ in the Front Touch Keys bar.


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

Customizing the Applications screen

The phone includes a wide variety of applications and you can download even more applications to your device. You can customize these items on the Applications screen for faster, more convenient access (less scrolling) to the applications you use most often.



Applications screen options

You can change the look of your Applications screen.


1. From the Home screen, tap the **Apps Key**  (in the Quick Keys bar).
2. Tap the **Menu Key** ≡ (in the Front Touch Keys bar) to access the following Applications screen options:
 - ▶ **View apps by:** Tap to sort your applications either in alphabetical order, by downloaded date, or user customized.
 - ▶ **Show small/large icons:** Tap to change the application icons to either small or large, then tap **Yes** to set your choice.
 - ▶ **Hide/Show apps:** Tap to set which application icons will be displayed in your Applications screen. Checkmark the icons you want to hide, then tap **OK**.
 - ▶ **Edit/Uninstall apps:** Tap to rearrange icons, uninstall apps, and view app info.
 - ▶ **Home screen settings:** Tap to access the settings for your Home screen.

Rearranging the Applications screen icons

You can rearrange the order of the icons on the Applications screen to provide more convenient access to the applications you use the most.




1. From the Home screen, tap the **Apps Key**  (in the Quick Keys bar).
2. Tap the **Apps** tab (if necessary), then tap the **Menu icon**  (at the upper-right corner of the screen) and tap **Edit/Uninstall apps**.
3. Touch and hold the Application icon you want to move, drag it to its new position, then lift your finger. The remaining icons shift to the right.

NOTE If you drag the application icon onto another application icon, it creates a folder with both of the applications in it.

4. Tap the Checkmark icon  (at the upper-right corner of the screen) to save and exit.

Checking application information

To view an app's detail information from the Applications screen:

1. From the Home screen, tap the **Apps icon**  (in the QuickTap bar).
2. Tap the **Apps** tab (if necessary), then tap the **Menu icon**  (at the upper-right corner of the screen) and tap **Edit/Uninstall apps**.
3. Tap any of the app icons to display an information dialog box, then tap **OK** to close it.
4. Tap the **Back Key**  (in the Touch Keys bar) to return to the Applications screen to exit.

NOTE Access the Widget tab, then tap **Uninstall** to display an information dialog box for a widget you select.

Opening and Switching Applications

Multi-tasking is easy with Android™ because you can use and switch among several open applications. Android™ manages each application, stopping and starting them as needed, to ensure that idle applications don't consume resources unnecessarily.

Opening an application

- Open an application simply by tapping its icon on the screen.

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

Opening multiple applications

1. Tap an application icon to open it.
2. Tap the **Home Key** ○ (in the Quick Keys bar).

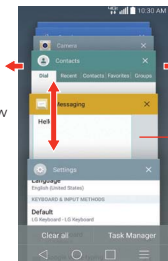
NOTE If the application icon you want is on your Home screen, simply tap the icon to open and use it.

3. Tap the **Apps Key** ■■■ (in the Quick Keys bar).
4. Tap the icon for the other application you want to open.

Switching between multiple applications

1. Tap the **Recent Apps Key** □ (in the Quick Keys bar). A screen opens and displays a scrolling list of all of the applications that you have accessed recently.
2. Tap the application you want to use or tap the **Back Key** ◀ (in the Front Touch Keys bar) to return to the current screen.

Swipe up or down to view the entire list of open applications.



Flick an app preview to the right or left to close the application and remove it from the list.

Tap an app preview to use it.

Adding items to the Home screen

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

Applications screen

1. From the Home screen, tap the **Apps Key** ■■■ (in the Quick Keys bar).

NOTE You can tap the Widgets tab at the top of the screen to place a widget on the Home screen.

2. Touch and hold the icon you want to add to your Home screen. The Applications screen closes and the Home screen is displayed.

3. Lift your finger to place it or drag the icon to where you want it on the screen, then lift your finger.

Dual view

1. Touch and hold an empty spot on any of the Home screen canvases to view your Home screen on top and the Applications screen on the bottom.
2. Flick sideways to scroll through the Home screen canvases to display the canvas you want.
3. Tap the type of item you want to add (Apps, Widgets, or Wallpapers) at the bottom of the screen, then flick sideways to scroll through the available choices.
4. Tap the item you want to automatically add it to the canvas viewed at the top of the screen.

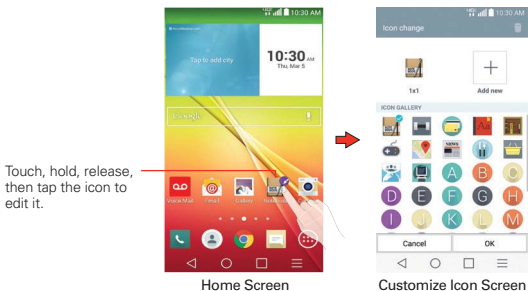
Moving applications to other Home screen canvases


You can place application icons on any of the Home screen canvases.

- **Drag** Touch and hold, then drag the icon to the left or right edge of the screen to advance to the other screen canvases before lifting your finger.

Customizing an application icon on your Home screen

You can create your own custom application icon(s) using the images in your Gallery. Your customized application icon(s) are only applied to icons on your Home screen. The Applications screen is not affected.




1. Touch and hold the icon you want to customize, then release the icon. An editing icon  appears at the upper right side of the application icon.

NOTE If an icon you placed can be resized, you will see a blue box around the icon after you touch, hold and release it. Drag the edges of the box to resize it.

2. Tap the application icon.
3. Tap the icon design you want from the available icon choices, then tap **OK**.

OR

Tap the **Add new** icon  (at the top of the screen), set the size for the icon, then tap **OK**.

Select the image you want to use for the application. Crop the image if necessary, then tap **OK**.

NOTE Your custom photo icons are saved so you can easily select them for any of your icon images.

Changing an icon into a widget



Some application icons can be changed into a convenient widget to use on your Home screen.

1. Touch and hold the icon you want to customize, then release the icon.
 - ▶ A blue frame appears around the icon if it can be resized and changed into a widget (if it can't, only the Edit icon is displayed).
2. Drag the corners of the frame to make it larger and change it into a widget.
 - ▶ Touch, hold, and release the widget again to change the size of the widget, if necessary.
 - ▶ You can also change it back into a normal icon by dragging the corners of the resizing frame back in.

Working with Menus

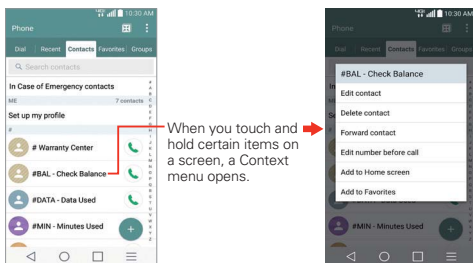
There are two kinds of Android menus: Options menus and Context menus.

Options menus

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

Context menus

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




Managing Notifications

Notification icons report the arrival of new messages, calendar events, alarms, as well as ongoing events, such as when you are in 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 see a notification light, and/or the phone may vibrate.

To open the Notifications panel

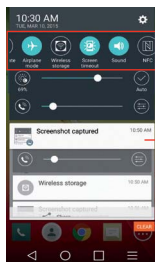
Touch and drag the Status Bar to the bottom of the screen.

The Notifications panel displays a list of your current notifications, organized into ongoing and event-based notifications. It also includes two icon bars. The Quick Settings bar allows you to quickly and easily change commonly used settings. The QSlide apps bar allows you to view an application in a small, moveable window (similar to picture-in-picture on a TV).

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



Home screen



Notifications Panel

Quick Settings Bar

Flick right or left to scroll through the list.

Tap a notification to open it.

Clear Button


Tap here to clear your list of event-based notifications.

To respond to a notification


1. 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 application that corresponds to your response will open. For example, new voice mail notifications dial your voice mail box and Gmail notifications open the Gmail application so you can read your new messages.

To clear all notifications

1. Open the Notifications panel.
2. Tap the **Clear** button  on the right side of the screen.
All event-based notifications will be cleared; ongoing notifications will remain in the list.

To close the Notifications panel

Touch and drag the handle at the bottom of the Notifications panel to the top of the screen or just tap the **Back Key**  (in the Front Touch Keys bar). The panel will also close when you touch a notification.










































NOTE You can also flick the Notifications panel handle upward to quickly close it.

Quick settings on the Notifications panel


The top of the Notifications panel includes a Quick settings bar. The icons in this bar provide a quick, convenient way to change settings without accessing any applications. If you set more than five icons on the bar, swipe left and right to scroll through the list.

Using the Quick settings icons

Tap any of the Quick settings icons to toggle through the available settings:



- ▶ QuickMemo+  starts the QuickMemo+ app.
- ▶ Wi-Fi On  or Wi-Fi Off .
- ▶ Location On  or Location Off .
- ▶ Bluetooth On  or Bluetooth Off .
- ▶ Rotation screen On  or Rotation screen Off .
- ▶ Mobile Hotspot On  or Mobile Hotspot Off .
- ▶ QSlide Apps Bar displayed  or QSlide Apps Bar hidden .
- ▶ QuickRemote bar displayed . QuickRemote bar hidden .
- ▶ VoiceMate On  or VoiceMate Off .
- ▶ Airplane mode On  or Airplane mode Off .
- ▶ Wireless storage On  or Wireless storage off .
- ▶ Sound Profile , Vibrate , or No interruptions .
- ▶ NFC On  or NFC Off .
- ▶ Screen timeout 30 seconds , 5 minutes  or 15 minutes .
- ▶ SmartShareBeam On  or SmartShareBeam Off .
- ▶ Mobile Data On  or Mobile Data Off .
- ▶ Battery saver On  or Battery saver Off .
- ▶ Miracast On  or Miracast Off .
- ▶ Sync On  or Sync Off .
- ▶ Invert colors On  or Invert colors Off .

NOTE If necessary, scroll horizontally to see all of the available icons.

Tap the **Settings** icon  at the top right corner of the screen to access the complete Settings menu.

Customizing the Quick settings bar icons

You can set the order of the icons displayed in the Quick settings bar as well as which icons are displayed.

1. Open the Notifications panel, then tap the **Edit** icon  at the right side of the Quick settings bar.
 - ▶ Drag one of the icon handles  at the right side of the screen to move its icon to another position in the Quick settings bar.
 - ▶ Checkmark each of the items you want to appear in the Quick settings bar.

NOTE Changing the checkmarks reorganizes the icons in the Quick settings bar.

2. Tap the **Back Key**  (in the Front Touch Keys bar) to return to the Notifications panel.




QSlide apps on the Notifications panel

QSlide apps are displayed in a bar on the Notifications panel after activating the feature on the Quick settings bar. These icons provide a quick, convenient way to multi-task on the same screen (similar to picture-in-picture on a TV). QSlide displays a small application window on the screen that can be moved, resized, or made transparent.

Using the QSlide apps




Tap any of the QSlide apps in the bar to activate it. When activated, the QSlide feature opens the application in a window in the foreground, allowing you to access other applications in the background. You can open up to two QSlide windows at a time.

- ▶ Drag the QSlide title bar to move it to another position on the screen.
- ▶ Drag the bottom right corner of the QSlide window to resize it.

- ▶ Move the circle on the slider bar to the left to make it transparent. This will allow you to interact with items beneath the transparent QSlide window. Move the slider back to the right to use the QSlide window again.
- ▶ Tap the QSlide icon  at the upper-left corner of the title bar to open the application in full screen view. To go back to QSlide view tap the QSlide icon  at the top of the screen.
- ▶ Tap  at the upper-right corner of the title bar to close the QSlide window.

Customizing the QSlide bar apps

You can set the order of the apps displayed in the QSlide bar, as well as which apps are displayed.

1. Open the Notifications panel, then tap the Edit icon  on the far right of the QSlide apps bar.
 - ▶ Drag one of the icon handles  at the right side of the screen to move its icon to another position in the QSlide apps bar.
 - ▶ Checkmark the QSlide apps you want to display and remove the checkmark for the ones you want to remove.
2. Tap the **Back Key**  (in the Front Touch Keys bar) to return to the Notifications panel.

Searching Your Phone and the Web

You can search for information on your phone and on the web using the Google search application.

Some applications, such as Gmail, Contacts, and Chrome have the ability to search for contents within those specific applications.

You can conduct the search by typing in the search terms or saying what you're looking for. As you enter text, the search application can provide suggestions so you don't necessarily have to type out your full request.

Phone and Web search using text entry

1. Tap the **Search Widget**  on the Home screen.

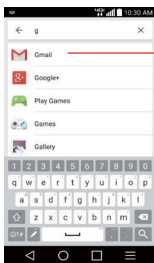
Google Search opens automatically and the on-screen keyboard is displayed.

NOTE If you have not activated Google Now, you will first be prompted to decide if you want to activate or deactivate it.




Voice Search
Tap here to search by voice.

2. Enter the text you're searching for in the search box.




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

3. Tap the **Search Key**  on the on-screen keyboard to use the Google application to search for the text you entered in the search box.

Search preference settings

You can use the Search preference settings to configure some aspects of web search (for example, whether it makes suggestions below the search box as you type) and what phone features you want to include in your searches. To access these settings:



1. From the Search application, tap the **Menu Key**  > **Settings**.

2. Tap **Phone search**.
3. Tap an item to checkmark and enable it (or remove the checkmark) to set your search preferences.

Locking the Screen

You can lock your phone so that only you can unlock it to make calls, access your data, buy applications, and prevent unauthorized use.

Setting a Screen Lock for the First Time

1. From the Home screen, tap the **Apps Key**  > **Settings**  > **Lock screen**.
2. Tap **Select screen lock**.
3. Tap **None, Swipe, Pattern, PIN, or Password**.

None: No lock screen is enabled so the screen will never be locked from use.

Swipe: A swipe motion in any direction on the touchscreen will unlock the screen. This is the default Lock screen.

Pattern: Unlocks the screen using a pattern you draw with your finger. The first time you set an unlock pattern, you will see a tutorial with instructions on how to create it. Read the tutorial, then tap **Next**. Draw your pattern (connect at least 4 dots) and tap **Continue**. Then redraw your pattern and tap **Confirm**.



NOTE Follow the on-screen instructions to create a backup PIN number in case you forget your pattern.

PIN Unlocks the screen with a number sequence. Enter a PIN (at least 4 digits) and tap **Continue**. 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 **Continue**. Re-enter your password and tap **OK** to confirm it.

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

Disabling the Screen Lock

1. From the Home screen, tap the **Apps Key**  > **Settings**  > **Lock screen**.
2. Tap **Select screen lock**.
3. Confirm your unlock information (if necessary).
4. Tap **None**.



Changing Your Screen Lock

1. From the Home screen, tap the **Apps Key**  > **Settings**  > **Lock screen**.
2. Tap **Select screen lock**.
3. Confirm your unlock information (if necessary).
4. Tap the desired screen lock option.
5. You're prompted to enter your screen lock.
6. If necessary, enter a Backup PIN and tap **Continue**. Then confirm your Backup PIN and tap **OK**.


- NOTES**
- If you have 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.
 - You have 10 opportunities to enter your unlock information. After 10 unsuccessful attempts, your phone will automatically perform a Factory data reset and all of your personal files will be erased.
 - If you can't remember your unlock sequence, tap the **Forgot** button in the bottom right-hand corner of the screen, then you can unlock the phone using your Google Account (if you created it on the phone) or your Backup PIN that you created when you set up the screen lock sequence.
 - Enter your Google Account username and password, then tap **Sign in**.
 - Enter your Backup PIN, tap **Done** at the bottom right corner of the keypad, then tap **OK**.



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.

1. From the Home screen, tap the **Apps Key**  > **Settings**  > **Lock screen**.
2. Tap **Security lock timer**.



Power button instantly locks

If a security lock is enabled, checkmark the **Power button instantly locks** checkbox to override the Security lock timer setting and lock the screen as soon as the **Power/Lock Key**  is pressed.







1. From the Home screen, tap the **Apps Key**  > **Settings**  > **Lock screen**.
2. Checkmark the **Power button instantly locks** checkbox.

The Lock screen wallpaper



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

1. From the Home screen, tap the **Apps Key**  > **Settings**  > **Lock screen**.
2. Tap **Wallpaper**.
 - ▶ Tap **Gallery** to select an image from your Gallery.
 - ▶ Tap **Wallpaper gallery** to select one of the available wallpaper images.

The default Lock screen

The default Lock screen is **Swipe** which protects against unintentional touchscreen actions. Press the **Power/Lock Key**  on the back of the phone to illuminate the touchscreen if it has timed-out. The **Swipe** default Lock screen is displayed, but you can still conveniently check the date, time, and Status Bar icons. You can drag the Status Bar down to open and use the Notifications Panel without unlocking the screen. In addition, you can also quickly access five applications (the **Phone** application , the **Messaging** application , the **Google Search** application , the **Notebook** application , and the **Camera** application ) without fully unlocking the screen. Simply swipe an icon upward to open and use it.

Changing the items on the default Lock Screen









1. From the Home screen, tap the **Apps Key**  > **Settings**  > **Lock screen**.
2. Tap **Shortcuts**.
3. Tap one of the icons at the bottom of the screen, then tap the application you want to replace it with.
4. Tap **Save** to save these settings.

NOTE You can access Shortcuts when the lock screen is set to **Swipe**.

Hard Reset (Factory Reset)

If you forget your lock sequence and backup PIN, you will have to perform a hard reset to gain access to your phone.

WARNING Performing a hard reset deletes all of your user data, which includes pictures, videos, and music saved to your internal memory. Please make sure to back up your information prior to performing a hard reset.

1. Turn the phone off.
2. Press and hold the following keys at the same time: **Volume Down Key**  + **Power/Lock Key**  on the back of the phone.
3. Release the **Power/Lock Key**  only when the LG logo is displayed, then immediately press and hold the **Power/Lock Key**  again.
4. Release all keys when the Factory hard reset screen is displayed.
5. Press the **Volume Down Key**  to highlight **Yes**, then press the **Power/Lock Key**  to continue.
6. Press the **Volume Down Key**  to highlight **Yes** once more, then press the **Power/Lock Key**  to confirm.
7. Your phone will perform a factory reset.




NOTE To cancel and reboot your phone, select the **No (Exit)** option.

Guest mode


Use Guest mode when you let someone else use your phone. They'll only be able to use the apps that you've selected. Once you set it up, you can easily put your phone in Guest mode by accessing the Lock screen and drawing the guest pattern that you set, which is different from your normal unlock pattern. It also supports PIN and Password.

NOTE Guests can also use apps that your selected apps are linked to.

Setting up Guest mode

1. From the Home screen, touch and hold the **Recent Apps Key**  (in the Touch Keys bar) > **Settings** > **Guest mode**.
2. Tap **Lock screen type**, then set the screen lock you want to use to put your device in Guest mode.
 - ▶ If your Lock screen isn't set to an unlock sequence, you'll be prompted to enter an unlock sequence for yourself before you're prompted to enter an unlock sequence for your Guest mode.
3. Tap **Allowed app** to view which apps can be accessed in Guest mode.
 - ▶ Checkmark the apps that you want to allow to be accessed in Guest mode.
 - ▶ Remove checkmarks from the apps to hide in Guest mode.
 - ▶ Tap the **Back Key**  (in the Touch Keys bar) when all of the checkboxes are set as you want.
4. Tap the **Guest mode** switch  (in the upper-right corner of the screen) to turn it on (or off).

Using Guest mode

After you've set up and enabled Guest mode, lock the screen, then access the Lock screen (press the **Power/Lock Key**  on the back of the phone or use the KnockON feature). Enter your Guest mode screen lock. The Guest mode Home screen is displayed with only the apps you've selected for guest access. To exit Guest mode, simply access the Lock screen again and enter your normal unlock screen lock.

Customizing the Home Screen

You can personalize your Home screen by adding application icons, shortcuts, widgets, and other items to any Home screen canvas. You can also change the wallpaper.

To add an item to the Home screen

1. Go to the Home screen canvas where you want to add the item.
2. Touch and hold an empty spot on the Home screen to split the screen to display your Home screen canvases on top and the Applications screen on the bottom.

NOTE If the canvas you've selected is full, make space by deleting or moving items, or switch to another canvas where there is space for new items.

3. The following three category tabs appear at the bottom of the screen: **Apps**, **Widgets**, and **Wallpapers**. Tap the one that corresponds to the item you want to add.



Slide the screen right or left to view different Home screen canvases.

Item List

Touch and hold an icon, then drag it onto the canvas where you want it.

Category Tabs

Tap one of the item categories you want to add to a Home screen canvas.



4. Swipe left and right to scroll through the available choices in the category tab you selected. Touch and hold the item you want, then drag it onto the Home screen canvas, or simply tap it to automatically place it on the canvas.

To move an item on the Home screen


1. Touch and hold the item.

2. Drag the item to a new location on the screen.
Pause at the left or right edge of the screen to drag the item onto the next available Home screen canvas.
3. When the item is where you want it, lift your finger.

To remove an item from the Home screen

1. Touch and hold the item.
2. Drag the item to the **Remove** icon  at the top of the screen.
3. When the **Remove** icon changes to , lift your finger.

To change the look of your Home screen

From the Home screen, tap the **Menu Key**  > **Home screen settings** to access the following settings to personalize your Home screen.

- ▶ **Theme:** Sets the overall ambiance of the Home screen. Choose LG, Biz, or Marshmallow.
- ▶ **Wallpaper:** Sets the wallpaper. Choose from Gallery, Live Wallpapers, Multi-photo, Photos, and Wallpaper gallery.
- ▶ **Screen swipe effect:** Sets how the items on the Home screen canvases slide from one to the next. Choose from Slide, Breeze, Accordion, Panorama, Carousel, Layer, and Domino.
- ▶ **Allow Home screen looping:** Checkmark this setting so that the Home screen canvases rotate continuously (does not stop at the far left or right canvas).
- ▶ **Allow apps list looping:** Checkmark this setting so that the Application screen canvases rotate continuously (does not stop at the far left or right right canvas).
- ▶ **Help:** Tap to view help information about customizing the Home screen.





Connecting to Mobile Networks

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

Different locations may have different mobile networks available.

Initially, your phone is configured to use the fastest mobile network available for data. You can also configure your phone to access a different set of networks entirely, or to behave in specific ways when roaming.



The following icons in the Status Bar indicate which kind of data network you're connected to and the network signal strength.

	Connected to the 4G network (LTE).
	Connected to the EVDO network (EVDO revA).
	Signal strength - more bars that are lit, the stronger the wireless signal.
	Connected to another wireless service provider's network (roaming).

When connected to slower networks, you may want to postpone using your phone for data-intensive tasks until you are connected to a faster network again or find a Wi-Fi network to connect to.

To disable data when roaming

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

1. From the Home screen, tap the **Apps Key**  > **Settings**  > **More...** > **Mobile networks** > **Data roaming access**.
2. Tap how you want to restrict global data roaming. Choose from **Deny data roaming access**, **Allow access for only this trip**, and **Allow access for all trips**.

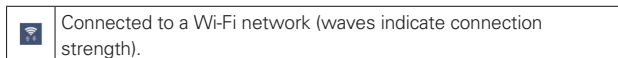
Connecting to Wi-Fi Networks

Wi-Fi is a wireless networking technology that can provide Internet access at distances of up to 100 meters, depending on the Wi-Fi router and your surroundings.

To use Wi-Fi on your phone, you must connect to a wireless access point. Some access points are open and you can simply connect to them. Others are hidden or implement other security features, so you must configure your phone so it can connect to them.

Turn off Wi-Fi when you're not using it, to extend the life of your battery.



The following Status Bar icon indicates your Wi-Fi status.



When you connect to a Wi-Fi network, the phone obtains a network address and other information it needs from the network, using the DHCP protocol. To configure the phone with a static IP address and other advanced settings, from the Wi-Fi settings screen, touch and hold the connected network. Tap **Modify network** in the Context menu that appears, then checkmark the **Show advanced options**.

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

1. From the Home screen, tap the **Apps Key**  > **Settings**  > **Wi-Fi**.


If the Wi-Fi button  is on the left and the icon is grey-colored, drag the button to the right  to turn on Wi-Fi. Your device scans for available Wi-Fi networks.

2. Tap a network, then tap **Connect** to connect to it.
 - ▶ If the network is open, you can connect to the network directly by tapping the network name.
 - ▶ If the network is secured, you will be prompted to enter a password (Ask your network administrator for details).

- ▶ When you're connected to a network, you can tap the network name in the Wi-Fi settings screen for details about the speed, security, address, and related settings.

To add a Wi-Fi network

You can add a Wi-Fi network so the phone will remember it, along with any security credentials, and connect to it automatically when it is in range. You can also add a Wi-Fi network manually if it does not broadcast its name (SSID) or if you want to add a Wi-Fi network when you are out of its range. To add a secured network, you need to contact the network's administrator to obtain the password or other required security credentials.

1. Turn on Wi-Fi, if it's not already on, then tap **Wi-Fi** in the Settings menu.
2. From the Wi-Fi settings screen, tap the **Menu Key**  and then tap the **Add Wi-Fi**.
3. Enter the **Wi-Fi name (SSID)** of the network. If the network is secured, tap **Security** and tap the type of security deployed on the network.
4. Enter the required passwords and security credentials.
5. Tap **Connect** to save the information.

The phone will connect to the wireless network. Any credentials that you entered are saved, so you are connected automatically the next time you come within range of this network.

To forget a Wi-Fi network




You can make the phone forget about the details of a Wi-Fi network that you added. For example, if you don't want the phone to connect to it automatically or if it's a network that you no longer use.

1. Turn on Wi-Fi, if it's not already on, then tap **Wi-Fi** in the Settings menu.
2. In the Wi-Fi settings screen, touch and hold the name of the network that you want to forget.
3. Tap **Forget network** in the Context menu that appears.

USB connection

USB connection is a feature that allows your device to connect to a PC using a USB Cable.

To select a USB mode for a connection

1. From the Home screen, tap the **Apps Key**  > **Settings**  > **Storage** > the **Menu icon**  (at the upper-right corner of the screen) > **USB PC connection**.
2. Tap **Media sync (MTP)** or **Camera (PTP)** to connect to the PC.

NOTE The MTP driver may not be installed on your PC by default. The driver is dependent on the PC's versions of Windows® and Windows Media Player (WMP).

Using the Status Bar to change the connection mode setting

The Status Bar displays the USB connection icon, when connected via USB.

When connected via USB, the current USB connection mode also appears on the Notifications panel. Tap the connection setting to display a screen where you can change the USB connection mode.

SmartShare




You can use the SmartShare function to conveniently view photos and play videos (the Gallery app) and listen to music (the Music app).

To enjoy SmartShare

You can stream multimedia content on your phone to another device and also send files to it.

- ▶ **Play:** You can stream your content via TV, Bluetooth speaker, etc.
- ▶ **Beam:** You can send your content to Bluetooth devices or SmartShare Beam-supported LG phones.

NOTE SmartShare requires both Wi-Fi and Bluetooth networks, so when you access SmartShare, they'll turn on automatically.

1. Access the app that has the content you want to use with SmartShare, then tap the **SmartShare** icon , the **Share** icon , or the **Menu** icon  (at the upper-right corner of the screen) > **SmartShare**.
2. Tap **Play** or **Beam**.
3. Select the DLNA connected device you want to use. Tap **Rescan** to find the device or tap **Add device**, if necessary.

To enjoy content from nearby devices on your phone

You can play content saved to nearby devices on your phone. Your nearby devices must be supported by the DLNA function.

To set nearby devices

1. Ensure that your phone and the nearby devices are connected to the same Wi-Fi network.
2. Set the DLNA device to enable sharing.

Placing and Ending Calls




You can place and end calls using the **Phone** application. Manually dial calls using the **Dial** tab. Dial from your phone's memory using the **Recent calls** tab, the **Contacts** tab, the **Favorites** tab, or the **Groups** tab.

To open the Phone application


- ▶ From the Home screen, tap the **Phone Key**  (in the Quick Keys bar).

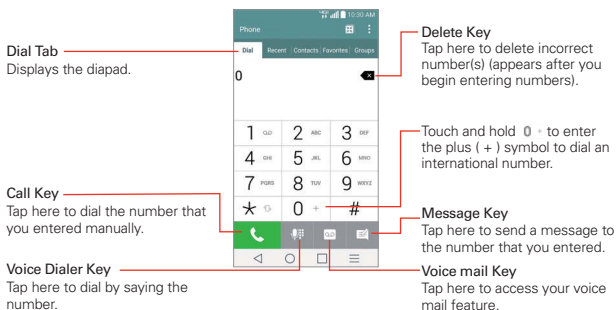
Phone application tabs

The Phone app tabs (**Dial**, **Recent**, **Contacts**, **Favorites**, and **Groups**) are at the top of the screen.



1. From the Home screen, tap the **Phone Key**  (in the Quick Keys bar).
2. Tap the **Menu** icon  (at the upper-right corner of the screen), then tap **Edit tabs**.
 - ▶ Drag a tab handle  to move it to the position where you want it in the list.
 - ▶ Tap the Favorites or Groups checkbox to remove the checkmark and delete it from the Phone application tabs list. Checkmark it to display it in the tab list again.
3. When you're finished making changes, tap **Save**.

To place a call by dialing


1. From the Home screen, tap the **Phone Key**  in the Quick Key bar to open the **Dial** tab of the **Phone** application.





2. Enter the number you want to call on the dialpad.

- ▶ If you enter a wrong number, tap the **Delete Key**  to erase digits one by one.
- ▶ To erase the entire number, touch and hold the **Delete Key** .
- ▶ To dial an international number, touch and hold **0 +** to enter the plus (+) symbol. Then enter the international prefix for the country, followed by the full phone number.

3. Tap the **Call Key**  to dial the number that you entered.

- ▶ Press the **Volume Keys** on the back of the phone to adjust the call volume.
- ▶ Use the on-screen buttons to enter additional numbers, place the call on hold and take an incoming call, add another call, use the speakerphone, end the call, and other options.
- ▶ You can use other phone features while the call is underway. If you open another application, the Call icon  appears in the Status Bar for the duration of the call.

NOTE If you opened other applications while on a call, you'll need to return to the Call screen to end the call. To return to the Call screen, you can tap the **Home Key**  (in the Front Touch Keys bar), then tap the **Phone Key**  (in the Quick Keys bar), or drag the Notifications panel down and tap the Call notification. You can also tap the timer notification floating on the Home screen.







You can make High Definition Voice and Video Calls with this phone 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 **Home Key**  (in the Front Touch Keys bar), tap the **Phone Key**  (in the Quick Keys bar), then tap the **End** button  on the Call screen.
- ▶ Tap the **Home Key**  (in the Front Touch Keys bar), tap the timer notification floating on the Home screen, then tap the **End** button  on the Call screen.
- ▶ Drag the Notifications panel down, then tap the **End call** button  on the Call screen.

NOTE You can also press the **Power/Lock Key**  on the back of the phone to end the call, if you activated this feature in the Call settings menu.

Speed dialing

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

- ▶ Tap the **Phone** button  (in the Quick Keys bar), then touch and hold the Speed dial number.

Direct dialing

If you placed a Direct dial widget on your Home screen, simply tap the Direct dial widget to call that number.




To set a Direct dial widget to your Home screen

1. Touch and hold an empty area on your Home screen.
2. Tap the **Widgets** tab > **Direct dial**.
3. Tap the contact in your Contacts list.

Answering or Rejecting Calls

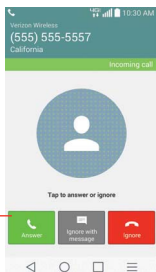
When you receive a phone call, the Incoming call screen opens with the caller ID and any additional information about the caller that you have saved in the Contacts list. All incoming calls are recorded in the Recent tab.

To answer a call

- ▶ If the screen is unlocked, simply tap the **Answer Key** .
- ▶ 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 Key**  to place the first call on hold while you answer the new call.

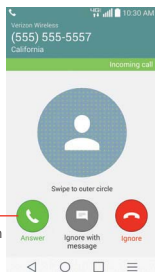
NOTE To silence the incoming call ringer, press either of the **Volume Keys** on the back of the phone.

Unlocked Screen





Tap the **Answer** icon to answer the call.

Locked Screen

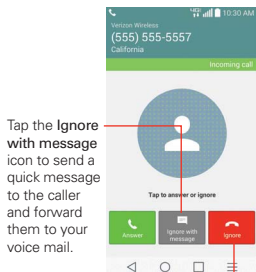


Swipe the **Answer** icon in any direction to answer the call.

To ignore a call and divert it to voice mail

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

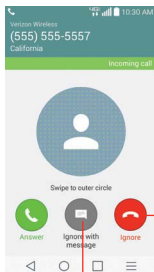
Unlocked Screen



Tap the **Ignore with message** icon to send a quick message to the caller and forward them to your voice mail.

Tap the **Ignore** icon to ignore the call and send the caller directly to your voice mail box to leave a message.

Locked Screen





Swipe the **Ignore** icon in any direction to ignore the call.

Swipe the **Ignore with message** icon in any direction to send a quick message to the caller and forward them to your voice mail.

NOTE To silence the ringer, press either of the **Volume Keys** on the back of the phone.

To ignore a call and send a text message

- ▶ If the screen is unlocked, tap the **Ignore with message Key** .
- ▶ If the screen is locked, swipe the **Ignore with message icon**  in any direction.
- ▶ Tap the text message you want to send in place of answering the call.

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

Working With the Recent tab

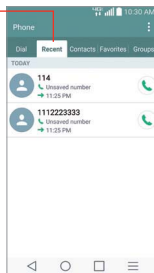
The Recent tab records all of the calls you've dialed, received, or missed. It offers a convenient way to redial a number, return a call, or add a number to your Contacts.

To open the Recent tab




- From the Home screen, tap the **Phone Key**  (in the Quick Keys bar), then tap the **Recent** tab at the top of the screen.

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


The Recent tab displays the history of all of your calls.




Viewing call entries


Open the **Recent** tab, then tap an entry to view all of the entries for that phone number. Calls are listed chronologically and each one includes the call type (received , dialed , and missed ) , 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 Key**  (in the Front Touch Keys bar), then tap **Filter**. Select the call type you want to view.

Tap the **Back Key**  (in the Front Touch Keys bar) to return to the **Recent** tab screen.

To dial a number in the Recent tab

- ▶ From the **Recent** tab, tap the **Call Key**  at the right of the call entry.
- ▶ From the **Recent** tab, tap the image to the left of the entry to view all of the contact's numbers saved in your phone's memory. Tap a phone number to dial it.


TIP You can edit a phone number in the **Recent** tab before you place the call (e.g., to insert an area code when you are traveling). Touch and hold the entry, then tap **Edit number before call** in the Context menu. Edit the number as necessary, then tap the **Call Key** .

To add a number from the Recent tab to your Contacts

1. Touch and hold the call entry in the **Recent** tab.
2. Tap **Add to Contacts** in the Context menu.
3. Tap **New contact** or **Update contact** and save it as necessary.

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 Key**  (in the Front Touch Keys bar).
 - ▶ Tap **Clear** to select entries to remove from the list. Checkmark the entries to delete, tap **Clear**, then **Yes**.
 - ▶ Tap **Clear all** to remove all of the entries from the list. Tap **Yes** to confirm you want to clear the entire list.


NOTE You can also select a specific number to be deleted. Touch and hold an entry in the **Recent** list to open the Context menu. Tap **Clear all logs of this number**, then tap **Yes** 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. You can also quickly call a contact using Quick Contact or Direct dial icons that you placed on your Home screen.

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

To call a contact

1. From the Home screen, tap the **Contacts Key**  (in the Quick Keys bar).
2. Tap the contact you want to call.
3. Tap the contact's phone number you want to call.


To call a favorite contact

1. From the Home screen, tap the **Contacts Key**  (in the Quick Keys bar), then tap the **Favorites** tab at the top of the screen.
2. Tap the contact you want to call.
3. Tap the contact's phone number you want to call.


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 enter three or more numbers, Instant list displays entries from your Contacts list or Recent calls that match the sequence you entered.

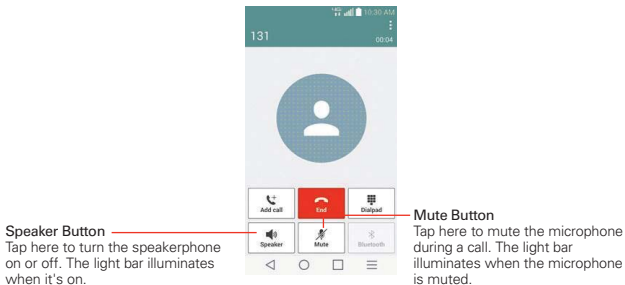
Sequence matches

Your phone searches for the entered sequence anywhere in the number; beginning, end, or anywhere in-between. 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  on the right side of the screen to view the entire list of matching entries. Tap the Cancel button to close the list.

Selecting an Instant list entry

Tap an entry in the Instant list to insert it on the dialpad and tap the **Call Key**  to dial it.


Options During a Call



To mute the microphone

- ▶ Tap the **Mute** button  on the Call screen.

The light bar on the **Mute** button illuminates to indicate that the microphone is muted.


When viewing the Call screen, you can unmute the microphone by tapping the **Mute** button  again.

The microphone is unmuted automatically when the call ends.

To turn the speakerphone on or off

- ▶ Tap the **Speaker** button  on the Call screen.

The light bar on the **Speaker** button illuminates to indicate that the speakerphone is on.

When viewing the Call screen, you can turn the speakerphone off by tapping the **Speaker** button  again.

The speaker is turned off automatically when the call ends.


WARNING!

To avoid damage to your hearing, do not hold the phone against your ear when the speakerphone is turned on.

To switch between a Bluetooth headset and the phone

When a Bluetooth headset is paired and connected to your phone, you can conduct calls on the headset for hands-free conversation. During a call, you can opt to use the Bluetooth headset or just the phone.

When using the Bluetooth headset during a call, the Ongoing Call notification icon is blue in the Status Bar (the icon is green when using the phone).

- ▶ Tap the **Bluetooth** button  on the call screen to switch the call from the phone to the Bluetooth device, or vice versa.

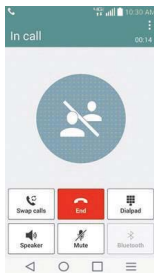
Managing Multiple Calls

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

To switch between current calls




- ▶ Tap **Swap calls** .

The current call will be placed on hold and you will 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.

1. Place a call to the first participant.
2. When you're connected, tap the **Add call** button  on the Call screen.
3. Use the keys on the dialpad to manually enter a phone number, then tap the **Call Key** .
4. After you're connected, tap the **Merge calls** button . The participant is added to the conference call.

Merge Calls Button

Tap here to merge the separate calls into a conference call.

Speaker Button

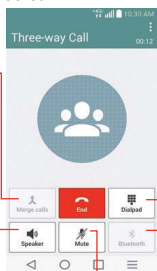
Tap here to turn the speakerphone on (or off). The light bar illuminates when the speakerphone is on.

Dialpad Button

Tap here to dial another number to participate in the conference call.

Bluetooth Button


Tap here to switch between a Bluetooth device and the phone. The light bar illuminates to indicate that the call is using a Bluetooth device. The button is greyed out when there is no Bluetooth device available.



Mute Button

Tap here to mute the microphone during a call. The light bar illuminates when the microphone is muted.

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 have not set up your voice mail number, or if you need to change it, you can do that in the Call settings.



To listen to your Voice mail

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



OR

- ▶ Tap the **Voice Mail** icon  on the Home screen.

OR


- From the Home screen, tap the **Phone Key**  in the Quick Keys bar, then tap the **Voice mail Key**  (on the dialpad).

To set up your Voice mail

1. From the Home screen, tap the **Phone Key**  in the Quick Keys bar. (The **Phone** application can also be accessed from the Applications screen.)
2. Touch and hold  (on the dialpad) to set up your voice mailbox.
3. Follow the setup tutorial.
4. Enter a password.
5. Record a voice signature and greetings for your voice mailbox.

Airplane mode

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

1. Press and hold the **Power/Lock Key**  on the back of the phone.
2. Tap **Turn on Airplane mode** in the dialog box that appears.




NOTE The Wireless & networks settings menu also has a switch to enable or disable Airplane mode. Airplane mode can also be toggled on or off in the Quick settings on the Notifications panel.

Chrome

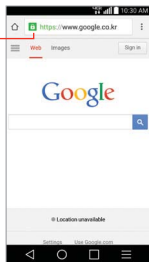
The **Chrome** application allows you to access the internet from your device. Access and selections within this feature are dependent upon your service provider. For specific information on internet access through your phone, contact your service provider.

- NOTES**
- You may incur additional charges for accessing the web and downloading media. For details, contact your service provider.
 - Chrome may differ from this user guide due to updates via Play Store.

Browse web pages


1. From the Home screen, tap the **Apps Key**  > **Chrome**  or tap the **Chrome** icon on the Home screen.
2. Tap the URL input field to access a specific web page. Enter the web address (URL) of the web page, then tap **Go** on the on-screen keyboard.
3. Tap the **Menu Key**  (in the Front Touch Keys bar) to access Chrome options.

URL Input Field
(address bar)
Tap here to enter a web address for the web page you want to access.



Search the web

When you begin entering text in the URL input field suggestions appear below the address.

You can set the default search engine for the address bar by tapping the **Menu** icon  (at the upper-right corner of the screen) > **Settings** > **Search engine**.

Search within a webpage

1. Tap the **Menu Key**  (in the Front Touch Keys bar), then tap **Find in page**.
2. Type the text you're looking for in the find bar at the top of the screen. Matches are highlighted on the page (exact matches in orange and partial matches in yellow).
 - ▶ The find bar displays the total number of matches. Tap the up  and down  arrows to the right of the find bar to go to each match.
 - ▶ Found matches are also indicated in the scroll column along the right side of the screen. Tap any of the highlights to jump directly to that match.

Sign in to Chrome


When you sign in to Chrome with your Google Account, you can take advantage of several time-saving services:

- ▶ **Sync** lets you access your Chrome bookmarks, browsing history, and open tabs from other devices where you're also signed in.
- ▶ **Chrome to Phone** lets you send webpages from your computer to your mobile device with one click.
- ▶ **Auto sign-in** helps you sign in to Google services with a touch of a button. No need to type your username and password.

Browse with tabs

Your phone can display web pages in a tab format along with your recent apps, allowing you to browse several web pages simultaneously.

Create a new tab

From the **Chrome** application, tap the **Menu Key**  (in the Front Touch Keys bar), then tap **New tab**.

The New Tab page

The following options are available when you create a new tab. These options, located at the bottom of the screen, help you open the page that you want quickly.


- ▶ **Bookmarks** ☆ Icons for sites that you've bookmarked are listed here. Tap a bookmark icon to visit the site using the new tab you created. Touch and hold a bookmark to open a Context menu to access **Open in new tab**, **Open in incognito tab**, **Edit bookmark**, and **Delete bookmark**.
- ▶ **Recent tabs** ⌚ Display recently used and closed websites.

Working with tabs



Open an Incognito tab (browse in private)

From the **Chrome** application, tap the **Menu Key** ≡ (in the Front Touch Keys bar), then tap **New incognito tab**. When browsing in incognito mode, your browsing history, cookies, and cache are automatically cleared once you've closed all of your incognito tabs. You still have access to your usual bookmarks and omnibox predictions. Changes that you've made to your bookmarks are saved.

Switch to another tab

If you have merged tabs and apps, tap the **Recent Apps Key** □ (in the Touch Keys bar) to open recently used tabs. Otherwise, tap . Scroll up or down, then tap the tab that you want to switch to.


Close your tabs



If you have merged tabs and apps, tap the **Recent Apps Key** □ (in the Touch Keys bar) to open recently used tabs. Otherwise, tap . Scroll up or down, then tap  or swipe the tab that you want to close.

Download files

1. Touch and hold a download link.
2. In the Context menu that appears, tap **Save link**.

To view downloaded files:




From the Applications screen (or the Home screen), tap the **Downloads** icon .

- ▶ To open a downloaded file, tap it.
- ▶ To view earlier downloads, tap the heading date you want to view.
- ▶ To share downloads, tap the **Share** icon  at the top of the screen, checkmark the ones to share, then tap **Share** and choose a sharing method from the list.
- ▶ To delete downloads, tap the **Delete** icon  at the top of the screen, checkmark the ones to delete, tap **Delete**, then **Yes** to confirm.
- ▶ Tap **Size** or **Date**, at the top left of the screen, to switch the download file sort criteria.



Using bookmarks

Bookmarks let you revisit your favorite webpages with one touch.

Create a bookmark



1. While viewing the page you want to set as a Favorite, tap the **Menu Key**  (in the Front Touch Keys bar), then tap the **Favorites** icon  at the top of the Options menu.
2. Edit the bookmark's name and address, if necessary.
3. By default it will be saved to your mobile bookmarks folder. Tap the **Folder** field  to change the location (or create a new folder for it).
4. Tap **Save** to save the bookmark.

Open a bookmark

1. From the **Chrome** application, tap the **Menu Key**  (in the Front Touch Keys bar), then tap **Bookmarks** (or open a new tab and tap  at the bottom of the screen).
2. Tap the bookmark you want to visit.

NOTE If you don't see the bookmark, tap the folder you saved it in, or tap the filepath to go to the location where it was saved.


Edit or delete bookmark

1. From the **Chrome** application, tap the **Menu Key**  (in the Front Touch Keys bar), then tap **Bookmarks** (or open a new tab and tap  at the bottom of the screen).
2. Touch and hold the bookmark you want to edit or delete.
 - ▶ Tap **Edit bookmark**. Once you're finished editing, tap **Save**.
 - ▶ Tap **Delete bookmark**.

TIP Sign in to Chrome to sync your bookmarks to your Google Account. Then you can access them from any device.


Add a bookmark to your Home screen

Save time by adding bookmarks you use frequently to your Home screen as shortcuts.

1. From the **Chrome** application, access the webpage you want to add as a shortcut.
2. Tap the **Menu icon**  (at the upper-right corner of the screen).
3. Tap **Add to home screen**.

Chrome Settings

To access the settings specific to the Chrome application:



1. From the **Chrome** application, tap the **Menu icon**  (at the upper-right corner of the screen).
2. Tap **Settings**.
3. Tap the setting you want.

Contacts



The **Contacts** application 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 tap the Favorites tab or Groups tab at the top of the screen.

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

To open your Contacts application

- ▶ From the Home screen, tap the **Apps Key**  > **Contacts** .

OR

- ▶ Tap the **Home Key**  (in the Front Touch Keys bar) > the **Contacts Key**  (in the Quick Keys bar).



If you have a new phone and haven't added any contacts yet, the **Contacts** application will display hints on how to start adding contacts to your phone.

Contacts list

When you open the **Contacts** application, your contacts list is displayed. The alphabet is displayed vertically along the right side of the screen with a blue bar that indicates where you are in the list.



In case of Emergency (ICE) is displayed above your list of contacts. Add up to 5 ICE 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 ICE entries



1. From the Home screen, tap the **Contacts**  (in the Quick Keys bar).
2. Tap **In Case of Emergency contacts** at the top of the screen.
3. Tap the **Add entry** icon  in the lower left corner of the screen.
4. Checkmark the entry (or entries) to add to your ICE list, then tap **Done**.

ICE Information

In addition to your ICE 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 ICE screen, tap the **Information** icon  at the bottom center of the screen.
2. Tap , enter your information, then tap **Save**.

To search for a contact

1. From the Home screen, tap the **Apps Key**  > **Contacts** .
2. Tap the **Search contacts** field and enter the contact name using the keyboard.


Searching your online contacts simultaneously

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

To set your device to search simultaneously, from the Contacts application, tap the **Menu Key**  (in the Front Touch Keys bar) > **Settings** > checkmark the **Online search** checkbox.

To open a list of your favorite contacts

- ▶ Open your **Contacts** application and tap the **Favorites** tab at the top of the screen.

Favorites lists the contacts you've designated as Favorites (at the top of the screen) and Contacts you've contacted frequently (at the bottom of the screen). While viewing the Favorites tab, tap the **Menu Key**  (in the Front Touch Keys bar) to change the display from grid view to list view.

To open your groups list

- ▶ Open the **Contacts** application and tap the **Groups** tab at the top of the screen.

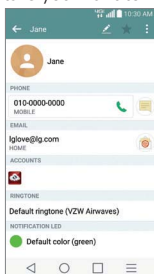
Groups displays your contacts by category (at the top of the screen) and your accounts (at the bottom of the screen).

Resizing the entries

While viewing your Contacts (contacts list, favorites list, or groups), place two fingers on the screen, then spread them apart to increase the size of the entries for easier viewing. Pinch in to decrease the size and see more entries on the screen.

To view details about a contact

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







3. The Contact's information will be displayed. The following options are available.
 - ▶ The **Dial icon** 📞 places a call to the number.
 - ▶ The **Message icon** ✉️ starts a message.
 - ▶ The **Email icon** 📧 starts an email.
 - ▶ Tap the **Menu Key** ≡ (in the Front Touch Keys bar) to access the following menu options: **Refresh**, **Delete**, **Share**, **Join**, **Separate**, **Set as default**, **Add to default group**, **Export**, **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** application 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 splitting entries.

To add a new contact

1. Open the **Contacts** application.
2. Tap the **New contact** icon .
3. If you have more than one account with contacts, select the account where you want to save the contact.
NOTE To change the account later, edit the entry, tap the account (at the top of the screen), then tap the account you want it assigned to.
4. 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.
6. Tap a category's **Add new** icon  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.
7. Tap the **Picture frame** icon  to select a picture to display next to the name in your list of contacts and in other applications.
8. Tap **Add another field**  at the bottom of the screen to add additional fields including **Phonetic name**, **Organization**, **IM**, **Notes**, **Nickname**, **Website**, and **Events**.
NOTE You can also set the color of the notification LED for the contact.
9. When you're finished, tap **Save**.

Editing a Contacts entry

1. Open the **Contacts** application and tap the contact entry you want to edit.
2. Tap the **Edit** icon  at the top of the screen.
3. Edit the entry as needed, then tap **Save** at the bottom of the screen.


Favorites Contacts

The **Favorites** tab contains a short list of the contacts you communicate with most often.

Adding or removing contacts in your Favorites list

1. Open the **Contacts** application, then tap a contact to view its details.
2. Tap the star in the upper-right corner of the screen.
 - ▶ A gold-colored star indicates a Favorite.
 - ▶ A grey-colored star indicates a normal contact.


Contacts Options menu

From the **Contacts** application, tap the **Menu Key**  (in the Front Touch Keys bar) to access the Options menus:

- ▶ **Contacts** tab: Backup now, Delete, Share, Send message, Send email, Speed dial, Manage contacts, Edit tabs, and Settings.
- ▶ **Favorites** tab: Remove favorites, Share, Send message, Send email, List/Grid view, Edit tabs, and Settings.
- ▶ **Groups** tab: Delete, Share, Change order, Edit tabs, and Settings.


Joining and separating contacts

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

1. Open the **Contacts** app, then tap the contact entry you want to join with another entry.
2. Tap the **Menu** icon  (at the upper-right corner of the screen).


3. Tap **Join**.
4. Tap a suggested entry (at the top of the screen).

Once entries have been joined, **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  (at the upper-right corner of the screen).
3. Tap **Separate**.
4. Tap **Yes** (in the dialog box).

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** application, tap the **Menu Key**  (in the Front Touch Keys bar) > **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.

Communicating With Your Contacts

The Contacts application shares information with many other applications allowing you to quickly and easily initiate communication with your saved entries.

General communication

1. Tap a contact to view the entry details (from **Contacts**, **Favorites**, **Groups**, or **Recent**).
2. Tap the icon corresponding to the type of communication you want to start.
 - ▶ The **Dial** icon  places a call to the number.

- ▶ The **Message** icon  starts a message.
- ▶ The **Email** icon  starts an email.


NOTE The communication icons displayed depend on the types of information you have saved for the contact.

Quick Contact for Android™


1. Tap a contact to view the entry details (from **Contacts**, **Favorites**, **Groups**, or **Recent**).
2. Tap the contact's picture on the left side of the entry to display the Quick Contact icons.
3. Tap the icon corresponding to the type of communication you want to start.

Messaging

To open the Messaging application

- ▶ From the Home screen, tap the **Messaging Key**  in the Quick Keys bar.

Using the Messaging application


- ▶ Tap the **New message** icon  to start a new text or multimedia message.
- ▶ Tap an existing message thread to open it.

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 **Yes** to confirm you want to delete the message thread.

To send a text message

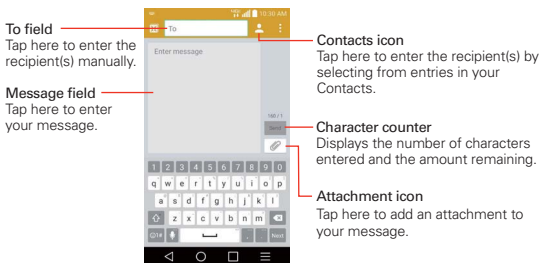
1. On the Messaging screen, tap the **New message** icon .



2. Enter a mobile phone number (or a name saved in your Contacts) in the **To** field.

As you enter the numbers or characters, matching Contacts entry name(s) and number(s) appear. The match can be anywhere in the entry. You can tap a suggested recipient to insert it in the **To** field, or continue entering the phone number.

3. Tap the text field to start entering your message.


A character counter is displayed to the right of the message field to let you know how many more characters you can type and also the number of pages in the message.




If you tap the **Back Key**  (in the Front Touch Keys bar) while composing a message, it's automatically saved as a draft. The Draft icon  on the right side of the message thread indicates a pending draft message to the recipient. Tap the message 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

1. On the Messaging screen, tap the **New message** icon .
2. Enter a mobile phone number, email address, or Contact name in the **To** field. As you type, matching contacts appear. You can tap a suggested contact or continue typing.

3. Tap the text field to start entering your message.
4. Tap the **Menu Key**  (in the Front Touch Keys bar) > **Add subject** to add a message subject.


The subject text appears above the body text in bold letters.

5. Tap the **Attachment** icon  to open a dialog box where you can choose the type of media file to attach to the message.
 - ▶ Tap **Picture** to select a picture from your Gallery.
 - ▶ Tap **Take photo** to take a photo and attach it.
 - ▶ Tap **Video** to select a video from your Gallery.
 - ▶ Tap **Record video** to record a video and attach it.
 - ▶ Tap **Audio** to select an audio file.
 - ▶ Tap **Record voice** to record an audio message and attach it.
 - ▶ Tap **Location** to select a map location to send.
 - ▶ Tap **Contact** to select either vCard or text to attach.
 - ▶ Tap **Schedule** to select an event and attach it.
 - ▶ Tap **Slide** to assemble photos, audio file(s), videos, texts into a slide (up to 10 slides) to attach to the message.
 - ▶ Tap **Draw** to draw a memo and attach it.

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

6. Tap the **Send MMS** button to send the message.

To send a group message

1. On the Messaging screen, tap the **New message** icon  in the upper right corner of the screen.
2. Add the recipients.
3. Select how the message will be sent, by **Group Conversation** or **Individual Messages**.

- ▶ Tap the **Group Conversation** button to allow all of the recipients to be viewed by each other so they can respond to you and the group. The message is sent as a multimedia message (MMS).
- ▶ Tap the **Individual Messages** button so that none of the recipients can see the other recipients (similar to BCC). Each individual can only respond to your message.


NOTE Tap the **Help** icon  to view information regarding using these buttons.

4. Complete the message as necessary, then tap the **Send to all** button.

Using Direct message

If you placed a Direct message widget on your Home screen, simply tap the contact's Direct message widget to automatically start a message to that contact.

Receiving and viewing messages

If you're working in a message window, messages that you receive from that contact are displayed. Otherwise, you receive a new message notification and a new message icon  appears in the Status Bar. When you tap the new message notification, the Message screen opens where you can reply to the message. If the **New message pop-up** setting is activated, you will receive a pop-up notification on the current screen where you can directly reply from.


Tap the **Download** button at the bottom of the screen if the Auto-retrieve setting is not checkmarked.

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.

To respond to messages you receive

While viewing the received message, tap the text field 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** application, tap the **Menu Key**  (in the Front Touch Keys bar) > **Settings**.

Storage

Delete old messages: Checkmark to allow the phone to delete older messages in a thread when the **Text message limit** or **Multimedia message limit** is reached. No checkmark keeps all messages.

Text message limit: Tap to set the number of text messages to save per thread.

Multimedia message limit: Tap to set the number of multimedia messages to save per thread.

Signature: Allows you to automatically add your signature to outgoing messages.

Callback number: Allows you to automatically add your callback number to outgoing messages.

Text message

Delivery reports: Checkmark to allow your phone to receive delivery reports for the messages you send.

Manage SIM card messages: Tap to manage messages stored on your SIM card.

Priority: Tap to set your text message priority. Choose from **Normal** and **High**.

Multimedia message

Delivery reports: Checkmark to allow your phone to receive delivery reports for the multimedia messages you send.

Allow delivery reports: Checkmark to send a delivery report when it's requested.

Auto-retrieve: Remove the checkmark from to download only the heading of multimedia messages, so you can manually download the whole message when you're ready. This is useful for controlling how much data you download.

Roaming auto-retrieve: Checkmark to automatically retrieve messages while roaming.

Priority: Tap to set your multimedia message priority. Choose from **Low**, **Normal**, and **High**.

Group Conversation

Group Conversation: Checkmark to allow everyone to reply to everyone in the group conversation.

Help: Information for group conversation settings.

Conversation theme

Sets how your conversations are displayed. Tap the **Wallpaper** tab to choose the conversation background. Choose from the 6 options provided, a photo from your Gallery, or take a picture to use. Tap the **Bubble** tab to choose the conversation style. Choose from the 6 options provided.

Notification settings

Notifications: Checkmark to allow your phone to receive a notification in the Status Bar whenever you receive a new message.

New message pop-up: Checkmark to show a pop-up when new messages are received which allows you to directly respond in the pop-up window.

Preview: Checkmark to preview message contents when a new message is received.

Notification sound: Tap to select the ringtone to sound when you receive a new message notification.

Vibrate: Tap to set when the phone will vibrate for a new message notification. Choose from **Always**, **While in vibrate only mode**, and **Never**.

Repeat alert: Tap to set how often the phone will repeat the alert for unread messages. Choose from **Every 2 min**, **Every 5 min**, and **Never**.

Send message with Enter key

Tap to set when the **Enter Key**  (on the on-screen keyboard) will send your composed message.




Text Link display

Checkmark this setting to view Text Link icons that indicate applications related to the message content.





Email


The **Email** application 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 application


From the Home screen, tap the **Apps Key**  > **Email**  or tap the **Email** icon  directly from the Home screen.

Using the Email application

- ▶ Tap the **Compose** button  (at the bottom-right corner of the screen) to compose a new message.
- ▶ Tap the **Accounts List** icon  (at the top of the screen) to switch between your email accounts.
- ▶ Tap the **Select all** icon  (at the upper-left corner of the screen) to select all of your messages. Then you can tap **Mark as read/unread**, **Move to**, or **Delete** (at the bottom of the screen).
- ▶ Tap the checkbox next to a message, then you can tap **Mark as unread**, **Move to**, or **Delete** (at the bottom of the screen).
- ▶ Tap the **Favorite** icon  next to an email message to designate it as an important or favorite message.


- ▶ Touch and hold an email entry to open a Context menu to access **Reply**, **Reply all**, **Forward**, **Delete**, **Move to**, and **Mark as unread** (read messages have a gray background).
- ▶ Tap the **Menu** icon  (at the upper-right corner of the screen) to open the Options menu to access **QSlide**, **Refresh**, **Folders**, **Sort by**, **Downloads**, and **Settings**.

Message search

Tap the Search icon  (at the top of the screen), enter the text you're looking for.

The Accounts list

The Accounts list displays all of your email accounts.



Open the **Email** app. Tap the **Accounts List** icon  (at the top of the screen) to display a list of all of your email accounts.

- ▶ Each account in the Accounts list displays the number of unread mail.
- ▶ Each account from which you send email by default is indicated by a colored vertical line on the left side of the account when viewing your combined accounts.

Reading Your Email


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

To read an email

1. Open the **Email** app, then tap the Accounts list icon  (at the top of the screen).
2. Tap an account to display that account's Inbox.
 - ▶ Tap the **Menu** icon  (at the upper-right corner of the screen), then tap **Folders**. The account's folder list is displayed. Tap one to change folders.

NOTE When new email arrives, a notification appears in the Status Bar. Drag the Notifications panel downward and tap the email notification.

To add an account

- From the **Email** application, tap the **Menu** icon  (at the upper-right corner of the screen) > **Settings** > **Add account**. Then, configure the new email account settings as necessary.


Voice Mail

The **Voice Mail** application allows the management of voice mail directly from the device 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

1. From the Home screen, tap the **Apps Key**  > **Voice Mail**  or tap **Voice Mail**  directly on the Home screen.




NOTE Listening to voice mail and setting up your voice mail service depends on subscription to the Voice Mail service. When you tap the Voice Mail Key  on the dialpad, the Voice Mail application will be launched.

2. The first time you access the **Voice Mail** application, you will have to subscribe to the Voice Mail service to be able to use it.
3. After subscription to the Voice Mail service, your voice mail entries will be displayed in your Inbox.

Gmail

When you open the **Gmail** application, the most recent conversations are displayed at the top of your Inbox list. All of your conversations are displayed in your Inbox unless you delete, archive, or filter them.

To open the Gmail application

From the Home screen, tap the **Apps Key**  > **Google folder**  > **Gmail** .

Your Gmail Inbox

The current Google Account is displayed at the top of the Inbox. If you have more than one account, you can switch accounts to view the messages in each Inbox.




Conversations with new messages are displayed with bold subject lines. To read a message in a conversation, tap its subject line text.

The letter icon (or contact photo) next to a Gmail message allows you to select it and choose an action from the icons at the top of the screen.

The Favorite icon ☆ next to a Gmail message allows you to designate it as a favorite message.



Gmail Inbox icons

Use the following icons (in the header at the top of the screen) while viewing your Gmail Inbox:

- ▶  **Accounts and labels:** Tap to change to another account or label.
- ▶  **Compose:** Tap to begin a new Gmail message.
- ▶  **Search:** Tap to search within your Gmail messages.



NOTE You can also drag the screen downward to refresh and check for new email.



Message search

Tap the **Search** icon  (in the Inbox header at the top of the screen), enter the text you're looking for, then tap the Search icon  on the on-screen keyboard.





Navigating in the Gmail application


While viewing your Inbox:

- ▶ Swipe the screen up and down to scroll through your list of messages.
- ▶ Tap the **Compose** icon  (at the bottom-right corner of the screen) to start a new Gmail message.
- ▶ Tap the **Search** icon  (in the header at the top of the screen) to search within the Gmail app.

- ▶ Swipe a Gmail message off the screen to the left or right to quickly and easily archive the message. Tap **Undo** to restore it to your Inbox.
- ▶ Tap the letter icon (or contact photo) to the left of one or more messages, then tap the **Delete** icon  (at the top of the screen) to delete the selected messages.
- ▶ Tap the letter icon (or contact photo) to the left of one or more messages, then tap the **Menu** icon  (at the upper-right corner of the screen) to select **Move to**, **Change labels**, **Add star**, **Mark important**, **Mute**, **Report spam**, or **Report phishing**.

While viewing a message, swipe the screen left and right to scroll through all of your messages and use the icons in the header at the top of the screen:

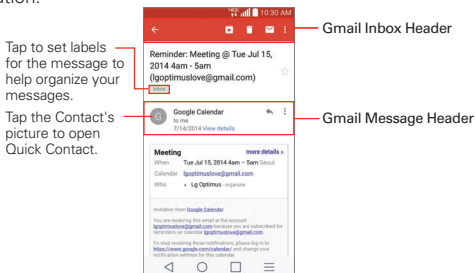
- ▶ Tap the **Gmail** icon  to return to your Gmail Inbox.
- ▶ Tap the **Delete** icon  to move the email to the trash folder.
- ▶ Tap the **Unread** icon  to return the message to an unread state.
- ▶ Tap the **Menu options** icon  to access **Move to**, **Change labels**, **Mark important/not important**, **Mute**, **Print**, **Report spam**, **Report phishing**.

If you're viewing a message or another label, tap the **Back Key**  (in the Touch Keys bar) until you return to your Inbox.

Reading Your Messages






From your Gmail Inbox, tap a conversation that contains the message you want to read.

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






While viewing a message, you can tap the message action icons on the Gmail Inbox header or the message header to access the following options:

Gmail Inbox header icons

The Gmail Inbox header icons include the **Gmail Inbox icon** , the **Archive icon** , the **Delete icon** , the **Read/Unread icon** , and the **Menu options icon** .


Gmail message header icons

- ▶ Tap the Contact's picture to open the Quick Contact options.
- ▶ Tap the **Favorite icon**  to mark it as a favorite.
- ▶ Tap the **Reply icon**  to reply to the sender.
- ▶ Tap the **Menu options icon**  to reply to all, forward the message, add star, or print the message.

To reread a message

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




1. From your Gmail Inbox, tap the conversation you want to view.
2. Tap the contact name to open that message.

While reading a message you can tap the **Unread** icon  (in the Gmail Inbox header at the top of the screen) to return a read message to the unread state. For example, to remind yourself to read it again later.

Composing and Sending a Message

You can compose and send a message to people or groups with Gmail addresses or other email addresses.




To compose and send a message


1. From the Home screen, tap **Google** folder  > **Gmail**  > the **Compose** icon  (at the bottom-right corner of the screen).

NOTE If you set up more than one Google Account on your phone and want to send the message from a different Google Account, tap the current Google Account (at the top of the screen), then tap the account you want to use.

2. Enter a recipient's address.

As you enter text, matching addresses are offered from your Contacts list. You can tap a suggested address or continue entering text to enter a new one.

3. Tap **To** , then tap **Cc/Bcc** to copy (normal or blind copy) recipients, if necessary.
4. Enter a subject for the message in the Subject field.
5. Enter your email text in the Compose email field (below the Subject).
6. Tap , then tap **Attach file** if you want to add an attachment to your Gmail message. You can also tap **Insert from Drive** to insert files from Google Drive.
7. Tap the **Send** icon  to send your message.




NOTE If you aren't ready to send the message, tap the **Menu** icon  (at the upper-right corner of the screen), then tap **Save draft**.


Replying to or Forwarding a Message

Continue an email conversation by replying to a message or by forwarding it without changing the Subject text. Change the Subject text to start a new conversation.




NOTE The conversation text and previous messages are also included in your reply (or forwarded) message.

To reply to or forward a message

1. Open the message you want to reply to or forward.
2. On the message header, tap the **Reply** icon  or tap the **Menu** icon , then tap **Reply all** or **Forward**.
 - ▶ Add others to an ongoing conversation by replying to all and then adding the new person's address(es) to the reply.
3. Tap the **Send** icon  at the top right corner of the screen to send your Gmail message.




NOTE You can change the message action after you've started the message. Simply tap  in the message header next to the current message action and tap the one you want. For example, if you chose Reply but decide you want to Reply all instead.

Google Account settings

1. From the Home screen, tap **Google** folder  > **Gmail**  > the **Accounts and labels** icon  (at the upper-left corner of the screen).
2. Tap **Settings**.
3. Tap **General settings** to change the following settings for all accounts.
 - ▶ **Gmail default actions:** Sets if you want to display only the archive option, only the delete option, or both options.
 - ▶ **Swipe actions:** Checkmark to archive a conversation when you swipe it.
 - ▶ **Sender image:** Checkmark to display the sender's image to beside the name in the conversation list.

- ▶ **Reply all:** Checkmark to make Reply all the default message action.
- ▶ **Auto-fit messages:** Checkmark to shrink the messages to fit the screen and allow zooming.
- ▶ **Auto-advance:** Sets which conversation list is viewed after archive or deletion. Choose from **Newer**, **Older** and **Conversation list**.
- ▶ **Confirm before deleting:** Checkmark to ask to confirm before deleting a message.
- ▶ **Confirm before archiving:** Checkmark to ask to confirm before archiving a message.
- ▶ **Confirm before sending:** Checkmark to ask to confirm before sending a message.

Changing specific Gmail account settings

1. From the Home screen, tap **Google** folder  > **Gmail**  > the **Accounts and labels** icon  (at the upper-left corner of the screen) > **Settings**.
2. Tap a Gmail account to change the following settings for that specific account.
 - ▶ **Inbox type:** Sets your Inbox type. Choose **Default Inbox** or **Priority Inbox**.
 - ▶ **Inbox categories:** Sets where specific types of messages (e.g., messages from your social networks or promotional offers, etc.) are stored into Inbox categories.
 - ▶ **Notifications:** Checkmark to display notifications for new gmail messages.
 - ▶ **Inbox sound & vibrate:** Sets synchronization settings and notification settings.
 - ▶ **Signature:** Sets the signature you want to include with every outgoing email from this account.
 - ▶ **Vacation responder:** Sets up an automatic email to respond with when you are out of the office (or otherwise unavailable). Tap the

switch to turn it on, enter the dates for the responder, and enter the subject/message.

- ▶ **Sync Gmail:** Checkmark to automatically sync your account.
- ▶ **Days of mail to sync:** Sets how many days of email you want to sync.
- ▶ **Manage labels:** Sets the sync and notification settings for each of your labels.
- ▶ **Download attachments:** Checkmark to automatically download attachments to recent messages via Wi-Fi.
- ▶ **Images:** Sets when to show images included in your Gmail messages. Choose **Always show** or **Ask before showing**.


Hangouts

Use the Hangouts app to have real-time text conversations with your friends.




To Open the Hangouts app

- ▶ From the Home screen, tap **Google** folder  > **Hangouts** .

To sign out of Hangouts

- ▶ From your chatting list, tap the **Options** icon  > **Settings** > tap your account > **Sign out**.


Chatting with Friends

1. From the Home screen, tap **Google** folder  > **Hangouts** .
2. Tap the **New** icon  to view the contacts from all of the Google Accounts you've added (at the top of the screen).
 - ▶ Tap the name of the person in your contacts list. If your friend is not yet on Hangouts, your friend will receive an SMS inviting them to Hangouts.



OR

- ▶ Tap the text field to enter a name, email, number, or circle.

3. Tap the message box (at the bottom of the screen), then enter your message.





NOTE Before you enter the text for your message, you can tap the Attach icon  (to the right of the message) to attach a photo, video, or location.

4. Tap the **Send Icon**  (on the right side of the message).


NOTE You can tap the call icon  (at the top of the screen) to call the friend, or tap the video icon  to start a video chat with your friend.

Hangouts chatting list

Touch and hold a friend's name in the chat screen, then you can use the following options (at the top of the screen).

	Tap to turn notifications from that friend off (or on )
	Tap to archive the conversation.
	Tap to delete the conversation.




Chatting list Options menu

From the chatting list, tap the **Options icon**  to access its Options menu that includes **Invites**, **Archived conversations**, **Blocked people**, **Snooze notifications**, **Set mood**, **Settings**, and **Help & feedback**.



Switching between the chatting list and a chat screen

From a chat screen, swipe right to view the chatting list. From the chatting list, swipe left to view the currently selected chat.


Blocking your Friends

- ▶ To block a friend from exchanging messages with you, tap the friend in the chatting list. Tap the **Menu icon**  (at the upper-right corner of the screen) > **People & options**. Tap the block icon  next to the friend's name, then tap **Block**.
- ▶ To remove a friend from the blocked list, from the chatting list, tap the **Options icon** . Tap **Blocked people**, then tap **Unblock** next to the friend.

Hangouts Option menu

- ▶ From the friend's list, tap the **Options** icon  to choose from **Invites**, **Archived conversations**, **Blocked people**, **Snooze notifications**, **Set mood**, **Settings**, and **Help & feedback**.
- ▶ While chatting, tap the **Menu** icon  (at the upper-right corner of the screen) > choose from **People & options**, **New group conversation**, **Turn history off**, **Archive**, **Delete**, and **Help & feedback**.

Hangouts Settings



From the chatting list, tap the **Options** icon  (at the upper-right corner of the screen) > **Settings**.

- ▶ Tap your account to access the following settings: **Profile photo**, **Share your status**, **Hangouts notifications & invites**, **Video calls**, **Customize invites**, **Google+ profile**, **Phone number confirmed**, **Hidden contacts**, **Sign out**, and **Improve Hangouts**.
- ▶ Tap SMS to access the following settings: **SMS enabled/disabled**, **Account to show SMS in**, **Blocked numbers**, **Sound**, **Vibrate**, **Group messaging**, **Delete old messages**, **Delivery reports**, **Auto retrieve MMS**, **Roaming auto-retrieve**, **Access point names**, and **Enable merged conversations**.

Camera

The **Camera** application not only allows you to take high quality pictures and share them, but also includes many specialized features eliminating the need for any other camera.

To open the Camera application

- ▶ From the Home screen, tap the **Apps Key**  > **Camera** .

OR

- ▶ Tap the **Camera** icon  from the Home screen.

TIP If you've set your phone to use the Swipe unlock method, from the locked screen, simply press the **Power/Lock Key** , on the back of the phone, then drag the **Camera** icon  upward to open the **Camera** application.

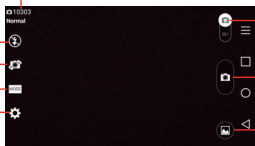
Getting to know the viewfinder

Shot mode – Defines how the shot will be taken. Choose from **Normal**, **Shot & Clear**, **Dynamic tone (HDR)**, **Panorama**, **VR panorama**, **Burst shot**, **Beauty shot**, **Dual camera**, **Time catch shot**, **Intelligent auto**, **Sports**, or **Night**.

Swap camera – Tap to swap between the rear camera lens and the front camera lens.

Flash mode – Allows you to set the flash to **On**, **Off**, or **Auto**.

Indicates the number of pictures that can be taken and stored based on the current image size.



Mode Switch – Tap (or slide) to toggle between Camera mode and Video mode.


Capture Button – Tap to take a photo.




Gallery – Tap to access your saved Gallery photos from within Camera mode.


Settings – Tap to open the Camera settings menu.









Rear camera lens options








When using the rear camera lens, the quick menus on the left side of the screen are:

- **Flash**  – Sets the flash to **Off**, **On**, or **Auto**. The flash icon will be displayed on the viewfinder.

- **Swap camera**  – Swaps between the rear camera lens and front camera lens.
- **Shot mode**  – Defines how the shot will be taken. Choose from Normal, Shot & Clear, Dynamic tone (HDR), Panorama, VR panorama, Burst shot, Beauty shot, Dual camera, Time catch shot, Intelligent auto, Sports, or Night.
- **Settings**  – Opens the camera settings menu.




The following options are available to optimize your shot when you tap the **Settings** icon  on the viewfinder screen for the rear camera lens:


- **Cheese shutter** : Activates the camera shutter by voice command. Choose **On** or **Off**.
 - **Brightness** : Defines and controls of the amount of light entering the lens. Slide the brightness indicator along the bar toward “-” for a lower brightness image or toward “+” for a higher brightness image.
 - **Focus** : Defines the focus of the shot.
 - **Auto**: Sets the camera to focus automatically on the object you tap on the screen before you tap the **Capture** button .
 - **Manual**: Sets the camera to focus manually by sliding the distance indicator along the bar, before you tap the **Capture** button .
 - **Face tracking**: Sets the camera to automatically detect and focus on human faces.
 - **Image size** : Defines the resolution for the photo. Choose from 13M 4160x3120 (4:3), W10M 4160x2340 (16:9), 8M 3264x2448 (4:3), and 1M 1280x960 (4:3).
- NOTE** The default resolution is W10M 4160x2340 (16:9).
- **ISO** : Defines and controls the camera’s sensitivity to light. Choose from **Auto**, 100, 200, 400, and 800.
 - **White balance** : Defines the ambient lighting to improve the color qualities of the photo under different lighting conditions. Choose from **Auto**, **Incandescent**, **Sunny**, **Fluorescent**, and **Cloudy**.




- **Color effect** : Applies artistic effects to pictures. Choose from **None**, **Mono**, **Sepia**, and **Negative**.
- **Timer** : Sets a timer to delay taking the picture. Choose from **Off**, **3 sec**, **5 sec**, and **10 sec**.
- **Geotagging** : Sets the camera to save the location information for the pictures you take. Choose **Off** or **On**.
- **Shutter sound** : Sets the shutter sound. Choose from **Off**, **Tone 1**, **Tone 2**, **Tone 3**, and **Tone 4**.
- **Volume key** : Sets how to use the Volume Key. Choose from **Capture** or **Zoom**.
- **Help** : Tap to open the Camera help guide.
- **Reset** : Tap to reset to the default settings.










Front camera lens options

When using the front camera lens, the quick menus on the left side of the screen are:


- **Swap camera**  – Swaps between the rear camera lens and front camera lens.
- **Shot mode**  – Defines how the shot will be taken. Choose from **Normal**, **Beauty shot**, **Dual camera**, and **Night**.
- **Settings**  – Opens the camera settings menu.

The following options are available to optimize your shot when you tap the **Settings** icon  on the viewfinder screen for the front camera lens:

- **Cheese shutter** : Activates the camera shutter by voice command. Choose **On** or **Off**.
- **Brightness** : Defines and controls of the amount of light entering the lens. Slide the brightness indicator along the bar toward “-” for a lower brightness image or toward “+” for a higher brightness image.
- **Image size** : Defines the resolution for the photo. Choose **W2M 1920x1080 (16:9)**, **2M 1600x1200 (4:3)**, and **1M 1280x960 (4:3)**.

- **White balance** : Defines the ambient lighting to improve the color qualities of the photo under different lighting conditions. Choose from **Auto**, **Incandescent**, **Sunny**, **Fluorescent**, and **Cloudy**.
- **Color effect** : Applies artistic effects to pictures. Choose from **None**, **Mono**, **Sepia**, and **Negative**.
- **Timer** : Sets a delay timer for the camera. Choose from **Off**, **3 sec**, **5 sec**, and **10 sec**.
- **Save as flipped** : Sets the camera to save the image in the orientation it was taken (landscape or portrait). Choose **Off** or **On**.
- **Geotagging** : Sets the camera to add location information to the picture. Choose **Off** or **On**.
- **Shutter sound** : Sets the shutter sound for the camera. Choose from **Tone 1**, **Tone 2**, **Tone 3**, **Tone 4**, and **Off**.
- **Volume key** : Set how to use the Volume Key. Choose from **Capture** or **Zoom**.
- **Help** : Tap to open the Camera help guide.
- **Reset** : Tap to reset to the default settings.

Taking a quick photo

1. Open the **Camera** application and point the lens toward the subject you want to photograph.
2. Touch the subject on the screen and a focus box will appear in the viewfinder. When the focus box turns green, the camera has focused on your subject.
3. Tap the **Capture** button  to take the picture.

NOTE You can zoom up to 8 times while taking a picture.

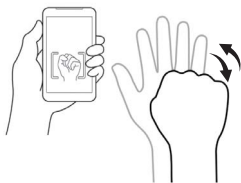
Gesture shot

The Gesture shot feature allows you to take a picture with a hand gesture using the front camera.

To take a photo with a gesture






1. Activate the front camera lens.
2. Raise your hand, with an open palm, until the front camera detects it (a box appears on the screen).
3. Make a fist to start a countdown before the shot is taken (allowing you time to position yourself).

NOTE You can also take a photo by making a fist, then opening it in an open palm.



Using the Shot & Clear mode

This feature allows the camera to identify objects you may not want in your photo. After taking the photo, tap an outlined object* to remove it, then save the photo.

4. From the Home screen, tap the **Apps Key**  > **Camera** .
5. Tap the **Shot Mode** icon  > **Shot & Clear**.
6. Tap the **Capture** button  to take a picture.
7. Tap any of the outlined objects to remove them from the photo, then tap the **Save** icon .

* When taking a picture, moving objects are shown as dashed lines.





NOTES • Take a picture after fixing the camera in one place.

- If the color of a subject is similar to the background, only a part may be detected or it may be difficult to erase.


- If a moving subject is too small or too large, it may be difficult to erase.
- If the subject is moving insignificantly, it may not be detected.
- If there are too many moving subjects, only some of them may be detected.






Using the Dual camera mode

Allows you to take a picture with the front and rear cameras at the same time, combined into one picture.

1. From the Home screen, tap the **Apps Key**  > **Camera** .
2. Tap the **Shot Mode** icon  > **Dual camera**.
3. A small viewfinder box appears on the main viewfinder screen. Set up your shot.
 - ▶ Drag the small viewfinder to move it where you want it in the shot.
 - ▶ Touch and hold the small viewfinder to resize it, if necessary.
 - ▶ Tap the small viewfinder to swap the lens between the main viewfinder and the small viewfinder.
4. Tap the **Capture** button  to take the combined picture.

Using the Time catch shot mode





Sets the camera to capture missing moments by taking five sequential pictures before the Capture button  is tapped.


1. From the Home screen, tap the **Apps Key**  > **Camera** .
2. Tap the **Shot Mode** icon  > **Time catch shot**.
3. Tap the **Capture** button  to take a picture.
4. To view the moments just before the picture was taken, tap the image thumbnail at the bottom of the Camera screen.
5. Select the pictures that you want to keep, then tap the **Save** icon  at the top of the screen.

Viewing your saved photos

You can access your saved photos from Camera mode. Just tap the image thumbnail on the Camera screen, then flick left or right to scroll through your photos.

While viewing a photo, tap the screen to access the following options:

-  Tap to edit your picture.
-  Tap to return to camera mode to take a new photo (or record a video).
-  Tap to select which application to use to share the photo.
-  Tap to delete the photo.

While viewing a photo, tap the **Menu** icon  (at the upper-right corner of the screen) to access the following additional options.

- ▶ **Smartshare:** Tap to share the photo using SmartShare.
- ▶ **Set image as:** Tap to set the photo as the icon identifying a contact or set it as your Home screen wallpaper or Lock screen wallpaper.
- ▶ **Move:** Tap to move the picture to another album or folder.
- ▶ **Copy:** Tap to copy the picture to another album you select.
- ▶ **Copy to Clip Tray:** Tap to copy the picture to Clip Tray.
- ▶ **Slideshow:** Tap to see your photos played in a slideshow.
- ▶ **Rotate left:** Tap to rotate the photo counter-clockwise.
- ▶ **Rotate right:** Tap to rotate the photo clockwise.
- ▶ **Crop:** Tap to open a cropping box tool that allows you to manually crop the photo. Use your finger to move or resize the cropping box to encompass only the part of the photo you want to see, then tap **OK**.
- ▶ **Add location:** Tap to set a location tag where the photo was taken.
- ▶ **Rename:** Tap to open the keyboard to rename the photo for easy identification.
- ▶ **Print:** Tap to print the photo. Choose to automatically find a printer on your network, or manually enter one to use.

- ▶ **Details:** Tap to display information about the photo (e.g., file type, file size, etc.).

TIP You can use the pinch-to-zoom gesture to easily zoom in and out of the displayed picture.

Gallery views




Open the **Camera** application, then tap the image thumbnail at the bottom of the screen.

- ▶ Your photos are displayed in full size. Swipe or flick your finger left or right to scroll through your photos (or videos).
- ▶ For quicker, direct access, you can tap the screen to display smaller film-like images of your photos across the bottom of the screen. Swipe or flick horizontally to quickly scroll through them, then tap the one you want to view.
- ▶ The pinch-to-zoom gesture allows you to easily zoom in and out of the displayed picture. Spread your fingers to zoom in and pinch your fingers to zoom out.
- ▶ Continue the pinch in gesture on an image to display your photos in reduced size which allows you to swipe an image up, off the screen to quickly delete it.

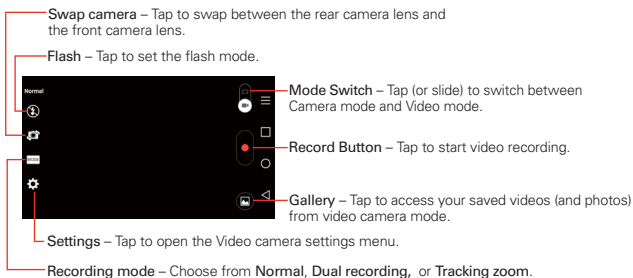
Video Camera

The **Camera** application allows you to change to video camera mode to record videos.

To open the Video Camera




- From the Home screen, tap the **Apps Key**  > **Camera** , then tap (or slide down) the **Mode Switch** icon  to toggle from Camera to Video camera mode.

Getting to know the viewfinder






Rear video camera lens options


When using the rear camera lens, the quick menus on the left side of the screen are:










- Flash** : Sets the flash to **Off**, **On**, or **Auto**. The flash icon will be displayed on the viewfinder.
- Swap camera** : Swaps between the rear camera lens and front camera lens.
- Recording mode** : Defines how the video will be recorded. Choose from **Normal**, **Dual recording**, and **Tracking zoom**.

NOTE When you change these modes, information is displayed to help you use the feature.







- Settings** : Opens the video camera settings menu.

NOTE When using the front lens to record video, the quick menus on the left side of the screen are **Swap camera** , **Recording mode** , and **Settings** . There is no flash setting when using the front camera lens to record video.

The following options are available to optimize your video recording when you tap the **Settings** icon  on the viewfinder screen:

- ▶ **Audio zoom** : Allows you to zoom in on an area to increase the sound sensitivity and decrease the noise. Choose from **On** or **Off**.
- ▶ **Video size** : Sets the resolution (video size) for the video. Choose from **FHD₆₀ 1920x1080 (60fps)**, **FHD 1920x1080 (30fps)**, **HD 1280x720**, **QVGA 320x240 (MMS)**, and **QCIF 176x144 (MMS)**.
- NOTE** The default resolution is **FHD 1920x1080 (30fps)**.
- ▶ **Brightness** : Defines and controls of the amount of light entering the lens. Slide the brightness indicator along the bar toward “-” for a lower brightness image or toward “+” for a higher brightness image.
- ▶ **White balance** : Defines the ambient lighting to improve the color qualities of the video under different lighting conditions. Choose from **Auto**, **Incandescent**, **Sunny**, **Florescent**, and **Cloudy**.
- ▶ **Color effect** : Applies artistic effects to videos. Choose from **None**, **Mono**, **Sepia**, and **Negative**.
- ▶ **Geotagging** : Sets the camcorder to add location information to the video. This is ideal for geotagging purposes. Choose **Off** or **On**.
- ▶ **Volume key** : Set how to use the Volume Key. Choose from **Record** or **Zoom**.
- ▶ **Help** : Tap to open the Camera help guide.
- ▶ **Reset** : Tap to reset to the default settings.

Recording a quick video

1. Open the **Camera** application.
2. Tap (or slide down) the **Mode switch** icon  to toggle it to Video mode. The camera **Mode switch** icon changes to  and the **Capture** button changes to .
3. Point the lens toward the subject of the video.
4. Tap the **Record** button  once to start recording.
5. The video length timer begins counting. You can tap the **Pause** icon  to pause the recording, then tap the **Record** icon  to resume the same recording file.

NOTE Tap  to take pictures while recording video.

6. Tap the **Stop** button  to stop recording.


NOTE Tapping the **Back Key**  (in the Front Touch Keys bar) will also stop the recording.

Watching your saved videos

From the Camera application in Video mode

1. In the viewfinder, tap the video thumbnail at the bottom of the screen.
2. The last video you recorded appears on the screen.

NOTE You can also scroll and select other videos to watch. Your Gallery videos (and photos) are displayed in film-like images at the bottom of the screen for you to select.

3. Tap the **Play** icon  in the middle of the still image of the video to play it automatically.




From your Gallery

1. Open the **Gallery** application, then tap the album you want.
2. Tap the video you want to watch to play it automatically.

Using the Audio Zoom

Focuses the audio recording on a particular area of your choosing; this will increase microphone sensitivity and reduce background noise.

1. From the Home screen, tap the **Apps Key**  > **Camera** .






2. Change to video mode, then tap the **Settings** icon  > **Audio zoom** and select **On**.
3. Tap the **Record** button  to start recording.
4. Pinch to zoom in a certain area to increase sound sensitivity and decrease noise.
5. Tap the **Stop** icon  to stop recording.

NOTES

- Do not cover the side microphones while using this feature.
- You must record in landscape orientation to use this function.



Using the Dual recording mode




Allows you to record videos with the front and rear cameras at the same time, combined into one recording.

1. From the Home screen, tap the **Apps Key**  > **Camera** .
2. Change to video mode, then tap the **Recording mode** icon  > **Dual recording**.
3. A small viewfinder box appears on the main viewfinder screen. Set up your shot.
 - ▶ Drag the small viewfinder to move it where you want it in the shot.
 - ▶ Touch and hold the small viewfinder to resize it, if necessary.
 - ▶ Tap the small viewfinder to swap the lens between the main viewfinder and the small viewfinder.
4. Tap the **Record** button  to start dual recording.
5. Tap the **Stop** button  to stop dual recording.


Using the Tracking zoom mode

Allows you to define an area of the recording to focus on and enlarge. You can set the area before recording, then move it as necessary during the recording.



1. From the Home screen, tap the **Apps Key**  > **Camera** .




2. Change to video mode, then tap the **Recording mode** icon  > **Tracking zoom**.
3. Tap the **Record** button  to start recording.
4. Drag the focus box while recording a video. The small screen shows the defined focus in large view. To move it, touch and hold it, then drag it to the desired location.
5. Tap the **Stop** button  to stop recording.


Viewing your videos list

You can access your videos from Video camera mode. Just tap the video thumbnail on the Camera screen, then flick left or right to scroll through your videos (and photos). Tap the Play icon  in the middle of the image to play the video recording.


Video Options

Open the Camera application in video mode, then tap the video thumbnail  on the screen. Tap the still image of the video (but not on the Play icon ) to access the following options:

- ▶  Tap to return to video camera mode to record a new video (or take a new photo).
- ▶  Tap to select which application to use to share the video.
- ▶  Tap to delete the video.

Tap the **Menu** icon  (at the upper-right corner of the screen) to select **SmartShare**, **Move**, **Copy**, **Trim**, **Rename**, or **Details**.

Gallery views

Open the Camera application in video mode, then tap the video thumbnail  on the screen.

- ▶ Your video images are displayed in full size. Swipe or flick your finger left or right to scroll through your videos (or photos).
- ▶ For quicker, direct access, you can tap the screen to display smaller film-like images of your videos across the bottom of the screen. Swipe




or flick horizontally to quickly scroll through them, then tap the one you want to view.

- ▶ The pinch-to-zoom gesture allows you to easily zoom in and out of the displayed video image. Spread your fingers to zoom in and pinch your fingers to zoom out.
- ▶ Continue the pinch in gesture on the video image to display your videos in reduced size which allows you to swipe a video image up, off the screen to quickly delete it or swipe down to share it.

Gallery



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

To open the Gallery application

- ▶ From the Home screen, tap the **Apps Key**  > **Gallery** . You can also access it by tapping **Gallery**  from the Home screen.


Viewing your albums

The Gallery application presents the pictures and videos saved in your phone, including those you've taken with the Camera application and those you downloaded from the web or other locations.

- ▶ Tap an album to open it and view its contents.
- ▶ Tap a picture or video in an album to view it.
- ▶ Tap the **Menu** icon  (at the upper-right corner of the screen) to access **New album**, **Delete**, **Hide/Show album**, and **Settings**.
- ▶ Tap the **Camera** icon  to return to the **Camera** application.

To share an album

You can share the entire contents of one or more albums or individual images or videos from an album.









1. From the Home screen, tap the **Apps Key**  > **Gallery** .

2. Touch and hold the desired album, tap **Share**, select the application to use to share your images, then complete the sending method as necessary.

Working with photos

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



To view and browse photos

1. From the Home screen, tap the **Apps Key**  > **Gallery** .
2. Open an album and tap a picture.
3. Tap the screen to display the icon bar (at the top of the screen) and the Touch Keys bar (at the bottom of the screen). The following options are available.
 - ▶ Tap the **Menu** icon  (at the upper-right corner of the screen) to open the Options menu to access **Share**, **Set image as**, **Move**, **Copy**, **Copy to Clip Tray**, **Slideshow**, **Rotate left**, **Rotate right**, **Crop**, **Add/Remove location**, **Rename**, **Print**, or **Details**.
 - ▶ Tap the **Camera** icon  to switch to camera mode.
 - ▶ Tap the **Share** icon , tap the sharing method, then complete as necessary.
 - ▶ Tap the **Delete** icon , then tap **Yes** to delete the picture.
 - ▶ Tap the **Edit** icon  to open the editing screen which allows you to change the picture (such as cropping, rotating, tuning, adding effects, and more).
 - ▶ Tap the **Favorites** icon  to set the picture to your Favorites folder.

Working with Videos


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

To play videos


1. From the Home screen, tap the **Apps Key**  > **Gallery** .
2. Open an album and tap a video.

The video plays in the orientation you recorded it in.

To share a video

1. Open an album to view its contents, then tap the **Share** icon  at the top of the Gallery screen.
2. Checkmark the video(s) you want to share, tap **Share** at the bottom of the screen, select how to share the file(s), then complete as necessary.




To delete a video

1. Open an album to view its contents, then tap the **Delete** icon  at the top of the Gallery screen.
2. Checkmark the video(s) you want to delete, tap **Delete** at the bottom of the screen, then tap **Yes** to confirm.

Play Store

Play Store allows you to browse and search for free and paid applications.

To open the Play Store application

- ▶ From the Home screen, tap the **Apps Key**  > **Play Store**  or tap the **Play Store** icon  on the Home screen.

To get help with Play Store

Play Store Help web pages are available from all Play Store screens.

- ▶ Tap  (at the upper-left corner of the screen), then tap **Help**.

The Chrome application opens to the Play Store Help page, with links to many help topics.

To open a screen with details about an application

- ▶ At any time while browsing in Play Store, tap an application to open its details screen.

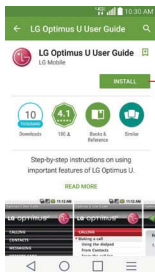
The Application details screens include a description, ratings, comments, and related information about the application. From this screen, you can download, install, uninstall, rate the application, and more.

Downloading and Installing Applications




When you find an application you want, you can install it on your phone.

To download and install an application


NOTE Before you can download a paid application, you must set up a billing arrangement.




Price/Install button
Indicates the cost or
install for free apps.

1. From the Home screen, tap the **Apps Key**  > **Play Store** .
2. Tap a category from the homepage or tap  to search for an application.
3. Tap **INSTALL** or the **Price** button to download an application.
4. If you agree with the application's access requirements, tap **ACCEPT**.
5. The application will be downloaded and installed.

Play Store menu options

Tap the Play Store menu icon  > **Settings** to access **Notifications**, **Auto-update apps**, **Add icon to Home screen**, **Clear local search history**, **Content filtering**, and **Require authentication for purchases**. You can also view the open source licenses and build versions.

Your Wishlist

While viewing an app (or music, games, etc.), tap the Wishlist icon  at the top of the screen to add it to your wishlist for future reference.

Music

Transferring Music Files to Your Phone

The **Music** application plays audio files that are stored in your phone's memory. Copy audio files from your computer onto your phone before you open the Music application.


NOTE The LG USB driver needs to be installed on your PC before connecting your phone to transfer music.


To copy music files into your phone

1. Connect the phone to your computer with a USB Cable. If the default connection mode is not set to Media sync (MTP), open the **Notifications panel** and tap **USB connected** > **Media sync (MTP)**. Your computer will prompt you with different actions to take. Choose to open the folder to view files.
2. Use the computer to copy music and other audio files into the folder that you created on the phone.


3. To disconnect your phone, open the **Notifications panel** and tap **USB connected > Charge phone**. Then disconnect the USB Cable from the phone.

Your Music Library

The Music Library displays your music organized in music category tabs that include **Songs**, **Albums**, **Artists**, and **Genres**. To access Favorites, Playlists, Folders, and Nearby devices, tap  at the top left corner of the screen.

- ▶ The Music tabs are listed at the top of the screen. Flick sideways on the screen to scroll and select one.
- ▶ Tap **Music library** (at the upper-left corner of the screen) to open the Music menu that includes **Favorites**, **Playlists**, **Folders**, and **Nearby devices**.
- ▶ Your songs and artists items are listed in alphabetical order within the tab. An alphabetical search directory is displayed along the right side of the screen. Slide your finger along it to quickly access specific letter entries.
- ▶ Tap a song or playlist to play it.
- ▶ The Music Player bar is displayed at the bottom of the screen and the current song is displayed to its left.
- ▶ Tap the **Menu icon**  (at the upper-right corner of the screen) to open the Music Options menu that includes **Cloud**, **Select to play**, **Add to playlist**, **Delete**, **Share**, **Settings**, and **Help**.

To search

From the Music Library screen, tap the **Search icon**  (at the top right of the screen). Enter text in the search box. Matches are displayed below the search box for you to select.



To delete a song

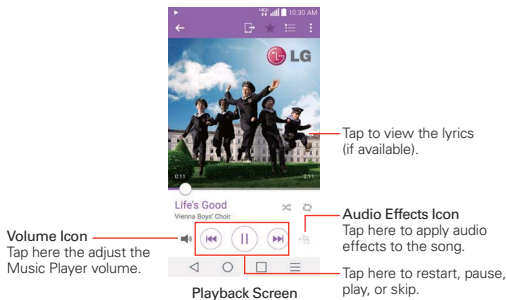
Touch and hold a song in the Music library list. In the Context menu that opens, tap **Delete**, then tap **Yes**.


Playing Music

You can listen to music using the phone's built-in speaker, through a wired headset, or through a wireless Bluetooth stereo headset that supports the A2DP profile.

To play music

1. From the Home screen, tap the **Apps Key**  > **Music** .
2. Select a music category tab at the top of the screen.
3. Tap the song you want to play.















NOTE While viewing a list of tracks in an album, tap the **Menu** icon  (at the upper-right corner of the screen), then tap **Shuffle all** to play all of the songs in the album in a shuffled order.

To return to the Playback screen

- From a Music playlist screen, tap the currently playing song at the bottom of the screen.
- From any other application, open the Notifications panel and tap the ongoing music notification.


To control playback

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

	Tap to pause playback.
	Tap to resume playback.
	Tap to skip to the next track in the album, playlist, or shuffle. Touch and hold to fast forward.
	Tap to restart the current track or skip to the previous track in the album, playlist, or shuffle. Touch and hold to rewind.
	Tap to adjust the volume.
	Tap to set audio effects.
	Tap to open the Options menu. Choose from Search , Add to playlist , Delete , Share , Set as ringtone , Music video , Details , Settings , and Help .
	Tap to open the Now playing playlist.
	Tap to add the song to your favorites.
	Tap to play the current playlist in shuffle mode (tracks are played in random order).
	Tap to toggle through the repeat modes to repeat all songs, repeat current song, or repeat off.
	Tap to share your music via the SmartShare function.

To control playback volume

In addition to the techniques for setting media volume in the Sounds settings, you can control the volume of music in the Music application.


- ▶ Press the phone's up/down **Volume Keys** on the back of the phone. A panel opens to show the current media volume.
- ▶ Tap the **Volume** icon  to display a volume slider bar to set the playback volume.

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 **Contact ringtone**.



OR

- ▶ On the Playback screen, tap the **Menu** icon  (at the upper-right corner of the screen), tap **Set as ringtone**, then tap **Phone ringtone** or **Contact ringtone**.

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  > **Playlists** > .
2. Enter a name for the playlist and tap **OK**.
3. Select the songs you want to add to a playlist, then tap **Add**. The new playlist is added to the Playlist tab.

To add a song to a playlist

1. From the Music Library, touch and hold the song you want to add to a playlist.
2. In the context menu that opens, tap **Add to playlist**, then tap the name of the playlist you want to add it to.

To remove a song from a playlist

1. Open a playlist.
2. Touch and hold the song you want to remove, then tap **Remove from playlist** in the Context menu that appears.


To delete a playlist


1. Open the **Playlists** library.
2. Touch and hold the playlist, then tap **Delete** in the Context menu that appears.
3. Tap **Yes** to confirm.

To rename a playlist

1. Open the **Playlists** library.
2. Touch and hold the playlist, then tap **Rename** in the Context menu that appears.
3. Enter a name, then tap **OK**.

To delete multiple songs

- ▶ Open the Music Library screen, tap the **Songs** tab, tap the **Menu** icon  (at the upper-right corner of the screen), then tap **Delete**. Checkmark each of the songs you want to delete, tap **Delete** at the bottom of the screen, then tap **Yes** to confirm.

NOTE Tap the **Menu** icon  (at the upper-right corner of the screen) from another Music tab to delete one or more of the items in that selected tab.



YouTube™

Opening YouTube and Watching Videos



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

To open the YouTube application

From the Home screen, tap the **Apps Key**  > **YouTube** .

- ▶ Search for and tap a video to watch it.
- ▶ Tap the **Menu** icon  (at the upper-right corner of the screen) for the YouTube Options menu (**Settings**, **Privacy policy**, **Help & feedback**, and **Sign in/out**).
- ▶ Tap the YouTube icon  (at the upper-left corner of the screen) to toggle between What to Watch and other YouTube options.

To search for videos


1. Tap the **Search** icon  (at the top of the main YouTube screen).
2. Enter the text to search for or tap the **Microphone** icon  to search by voice.

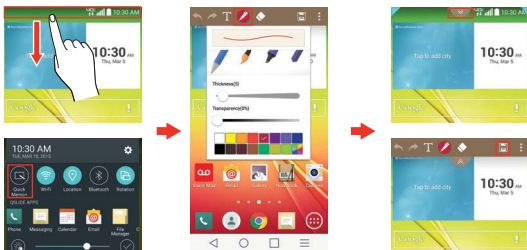
3. Tap a suggestion below the search box or tap the **Search Key** on the keyboard.
4. Scroll through the search results and tap a video to watch it.



QuickMemo+

The **QuickMemo+** feature allows you to create memos and capture screen shots. You can use QuickMemo+ to easily and efficiently create memos during a call, with a saved picture or on the current phone screen.

To create a memo



- ▶ Drag the Status Bar downward, then tap the **QuickMemo+** icon  in the Quick settings bar.




1. Drag the Status Bar downward then tap the **QuickMemo+** icon .
2. Tap an option at the top of the screen (e.g., pen type and color) to create your memo.
3. When your memo is complete, tap **Save**  to save it to your QuickMemo+, Notebook, or Gallery.

NOTE Please use a fingertip while using the QuickMemo+ feature. Do not use your fingernail (or any other rigid object).

Capturing a screen shot for your memo

1. Access the screen you want to capture (for example, access the Maps app to capture a street location to help with directions).
2. Drag the Status Bar down, then tap the **QuickMemo+** icon  on the Quick Settings Bar.
3. Use the toolbar options (at the top of the screen) to create your memo on the captured screen.
4. Tap the **Save** icon  (in the upper-right corner of the screen), then select to save it in the **QuickMemo+**, **Notebook**, or **Gallery** app.

Using QuickMemo+ toolbar options

The QuickMemo+ toolbar options (at the top of the screen) allow you to easily create memos. Tap the memo options bar tab  to access the QuickMemo+ toolbar icons, and tap it again to hide them.



Undo: Tap to undo the most recent action.



Redo: Tap to redo the most recently deleted action.



Text: Tap to enter text into your memo.



Pen: Tap to select the pen type and color. Tap the memo background to close the pen selection.



Erase: Tap to use the eraser to erase pen marks from the memo.




Save: Tap to save the memo you've created to the QuickMemo+, Notebook, or Gallery app.



Menu: Tap to access additional options.

QuickMemo+ Menu Options



- ▶ From the QuickMemo+ screen, tap the **Menu** icon  (at the upper-right corner of the screen) to access **Share** and **Paper style**.
- ▶ Tap **Share**, then complete the sharing method as necessary to share your memo.
- ▶ Tap **Paper style** to set the paper background for your memo, then tap **OK**.





To Exit the QuickMemo+ feature

Tap the **Back Key** ◀ (in the Front Touch Keys bar) to exit the QuickMemo+ feature.

Viewing saved memos

Memo are saved in the **QuickMemo+** application, **Notebook** application, or **Gallery** application.

- ▶ From the Home screen, tap the **Apps Key**  > **Notebook** , then tap the **QuickMemo+** notebook.

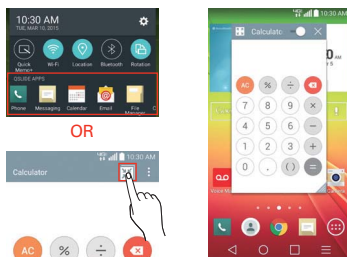
- ▶ From the Home screen, tap the **Apps Key**  > **QuickMemo+** , then tap the desired memo.
- ▶ From the Home screen, tap the **Apps Key**  > **Gallery** , then tap the **QuickMemo+** album.




QSlide

The **QSlide** function enables an overlay window on your phone's display for easy multitasking. QSlide windows can be opened from the **QSlide apps** bar on the Notifications panel, or directly from the applications that support the QSlide function.

QSlide icons on the Notifications panel

QSlide icons are displayed in a bar on the Notifications panel below the Quick settings bar. These icons provide a quick, convenient way to multi-task on the same screen (similar to picture-in-picture on a TV). QSlide displays a small application window on the screen that can be moved, resized, or made transparent.



	Tap to return to full window view.
	Slide to adjust transparency.
	Tap to exit the QSlide function.

NOTE The QSlide function can support up to two windows at the same time.

To open a QSlide window



1. Open the Notifications panel, tap , and tap the desired app from the QSlide apps bar.

OR

While using an application that supports QSlide, tap the QSlide icon .

Using QSlide

The QSlide function opens the associated application in a window in the foreground, allowing you to access other applications in the background. It is displayed continuously on the screen until you close it.



- ▶ Drag the QSlide title bar to move it to another position on the screen.
- ▶ Drag the bottom right corner of the QSlide window to resize it.
- ▶ Move the circle on the slider bar to the left to make it transparent. This will allow you to interact with items underneath the transparent QSlide window. Move the slider back to the right to use the QSlide window again.
- ▶ Tap the QSlide icon  in the top left corner of the title bar to open the application in full screen view. To go back to QSlide view, tap the **QSlide** icon  at the top of the screen.

NOTE You can also tap the application in the QSlide window to automatically display the application in full screen view.

- ▶ Tap  at the upper-right corner of the title bar to close the QSlide window.

Customizing the QSlide bar icons







You can set the order of the icons displayed in the QSlide bar, as well as which icons are displayed.





1. Open the Notifications panel and swipe to the left to the end of the QSlide apps section, then tap the **Edit** icon 
 - ▶ Drag one of the icon handles  at the right side of the screen to move its icon to another position in the QSlide icon bar.

- Checkmark the icons you want to display and remove the checkmark for the ones you want to remove.
2. Tap the **Back Key** ◀ (in the Front Touch Keys bar) to return to the Notifications panel.

QuickTranslator

The QuickTranslator function allows you to get language translations, anytime and anywhere. Simply aim your device's camera at the foreign sentence you want to understand and it will provide you with a translation. You can also request verbal translations. Buy additional dictionaries for offline translation from the Google Play Store.

	Switch to Voice mode. Tap the language button and then speak.
	Translation of a written word.
	Translation of a written sentence.
	Translation of a written paragraph of text.
	Allows you to configure the settings for scan mode and voice mode.
	Turns on the flash for dark conditions.

1. From the Home screen, tap the **Apps Key**  > **QuickTranslator** .
2. Tap , **Word**, **Line**, or **Block**.
3. Tap the **Setting** icon  to select the desired home (from) and destination (to) languages.
4. Hold the phone toward the subject you want to translate for a few seconds.
5. If necessary, tap the screen to focus on the subject.

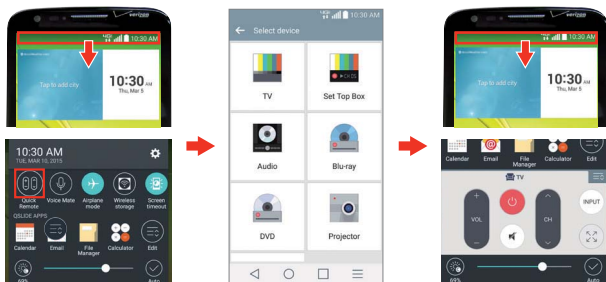
NOTES • Only one dictionary is provided free of charge. Additional dictionaries must be purchased. Please select the dictionary you would like to install as your complimentary dictionary.

- There may be a difference in the rate of recognition depending on the size, font, color, brightness and angle of the letters that need to be translated.

QuickRemote

QuickRemote turns your phone into a Universal Remote for your home TV, set-top box, audio system, DVD/Blu-ray players, and projector.

NOTE QuickRemote may not be available for some devices.



To open the QuickRemote application and set up your QuickRemote

1. From the Home screen, tap the **Apps Key** > **QuickRemote** . Select a room at the top left corner, then tap the **Add** icon in the top right corner to add a remote.

NOTE You can also perform the initial set up of your QuickRemote from the Notifications panel. Swipe the Status bar downward, tap the **QuickRemote** icon (in the Quick Settings bar), then tap **ADD REMOTE** in the dialog box. After initial set up, to set up additional devices from the Notifications panel, tap then tap in the top right corner of the QuickRemote screen.

2. Select the type and brand of the device, then follow the on-screen instructions to configure the device(s).

Using QuickRemote



1. Swipe the Status Bar downward, then tap the **QuickRemote** icon (in the Quick Settings bar) to open a QuickRemote bar with all of the remotes you set up.
2. Select the remote you want by tapping the remote name at the top of the QuickRemote bar.


3. Tap the buttons on the displayed remote.

NOTES • Tap  to view the QuickRemote in full-screen.

- When adding remote control of TV, QuickRemote could use the INPUT button to configure appropriate remote control. When configuring the INPUT button, input source of TV could be changed. To reset input source of your TV, tap the INPUT button on QuickRemote several times (depending on number of devices connected on TV).




QuickRemote options

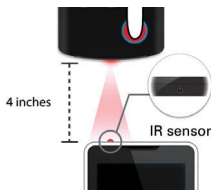
You can edit your QuickRemote bar by tapping the **Edit** icon  in the top right corner of the QuickRemote bar. Drag a remote handle  to move it to another position on the bar.

To access the QuickRemote Options menu, tap the **Menu** icon  (at the upper-right corner of the screen) to select **Magic Remote setting** (only for LG TVs), **Edit remote name**, **Learn remote**, **Move remote**, **Delete remote**, **Settings**, and **Help**.

Customizable remote

You can create your own personalized universal remote and choose where to place all of the buttons.

1. From the Home screen tap the **Apps Key**  > **QuickRemote** .
2. Tap  > **Customizable remote**.
3. Enter the Remote name and touch **OK**.
4. Place the buttons you want on the remote at the desired location and tap **Next**.




5. Tap the button to be learned.

6. Point the original remote 4 inches away from the IR sensor on top of the phone.
7. Press and hold the button on the original remote for 2 seconds.

Using Magic Remote feature

Magic Remote controls TV using a Touchpad and Smart Text(keyboard). Magic Remote is compatible only with LG Smart TVs released in 2012 and after.

1. Select the remote you want, and then tap the **Menu** icon  > **Magic Remote setting**.
2. Tap the **Supported models** button and check whether your TV supports this feature.
3. Connect your phone and LG Smart TV to the same Wi-Fi network.
4. Select the device and enter the certificate number in your phone.
 - ▶ **Touchpad**: Move the TV pointer with the touchpad.
 - ▶ **Smart Text**: Provide keypad when typing text.

Calendar

Viewing Your Calendar and Events

The **Calendar** application allows you to track your schedule of events (that you created or that you've been invited to), organized by day, week, month, year, agenda, or Life Square.

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** application on your phone, it displays any existing calendar events from your Google Account on the web.

To open the Calendar application

- ▶ From the Home screen, tap the **Apps Key**  > **Calendar** .




Events from each account you've added to your phone and configured to synchronize calendars is displayed in your Calendar.

Events from each calendar account are displayed in a different color.

To change your calendar view



No matter where you are in the Calendar application, you can easily switch calendar views. Simply tap the date in the upper left corner of the screen to display a drop-down menu of calendar views. Tap **Day**, **Week**, **Month**, **Year**, or **Agenda**.



Calendar title bar icons

- ▶ Tap the **QSlide** icon  to open the Month calendar view in a QSlide window.
- ▶ Tap the **Current date** icon  to immediately jump back to the current date in the calendar you are viewing.
- ▶ Tap the **Add** icon  to add a new event to any of your accounts.




QSlide for the Calendar application

You can view your month calendar in a QSlide window allowing you to easily check dates, obligations, etc. while using other applications at the same time.

1. Open the **Calendar** application.
2. Tap the **QSlide** icon  at the top of the screen to display the month Calendar in a QSlide window.
 - ▶ Swipe up and down to scroll through the months.
 - ▶ Tap a date to view the events for that day in your Day calendar.
 - ▶ Drag the bottom right corner of the window to resize it.
 - ▶ Drag the title bar to move the window within the screen.
 - ▶ To move the window to the background, move the transparency slider  to the left (move it back to the right to bring it back to the front).

- ▶ To return to the Calendar application, tap the QSlide icon  in the top left corner of the QSlide title bar.
- ▶ To close the QSlide window, tap the  in the top right corner of the title bar.

Adding an event to your calendar

1. From the Home screen, tap the **Apps Key**  > **Calendar** .
2. Tap the date in the upper left corner of the screen, then tap the calendar view that you want to use.
3. Tap the date of the event, then tap the **Add** icon  in the top right corner of the screen. From Day or Week calendar view, you can simply touch and hold the date to create a new calendar event.
4. Tap the necessary fields to enter the event details.
 - ▶ **Event name** identifies the event.
 - ▶ **Location** identifies where the event takes place.
 - ▶ **From Date/Time** sets when the event starts.
 - ▶ **To Date/Time** sets when the event ends.
 - ▶ **All day** sets it as an all-day event.
 - ▶ **Time zone** sets which time zone to use for the event.
 - ▶ **Repeat** sets if the event will repeat.
 - ▶ **Description** sets additional detailed information or notes about the event.
 - ▶ **Reminders** sets the reminder notification for the event.
 - ▶ **Show me as** sets your Google status during the event.
 - ▶ **Privacy** sets the event as Calendar default, private, or public.
5. Tap **Save** to save the event in the calendar.

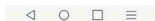
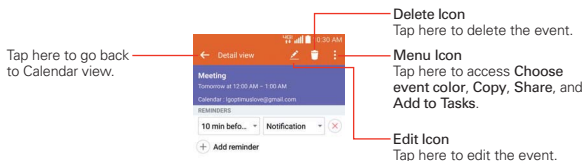
Viewing Event Details

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

To view information about an event

Days with saved calendar event(s) are indicated with text and color within the selected calendar.

- In Day, Week, or Agenda view, tap an event to view its details.
- In Month view, tap a day to display the event(s) in a pop-up dialog box. Tap an event to view its details.



While viewing an event's Details view:

Tap the **Reminders** fields to change the reminder settings, tap **Add reminder** (+) to add another reminder, or tap the **Remove reminder** icon (X) (to the right of the reminder) to remove the reminder.

If you have permission to change the event, you can tap the **Edit** icon (pencil) (at the top of the screen) to edit the event or tap the **Delete** icon (trash can) (at the top of the screen) to delete the event.

To share an event, from the event's details screen, tap the **Menu** icon (three dots) (at the top right corner of the screen), then tap **Share** in the Options menu. Choose the method for sharing and complete as necessary.

Calendar Options menu

Tap the **Menu icon**  (at the upper-right corner of the screen) to access the Options menu.

- ▶ From the **Calendar** app, the Options menu includes: **Go to date**, **Search**, **Sync now**, **Calendars to sync**, **Delete**, and **Settings**.
- ▶ From the Event details screen, the Options menu includes: **Choose event color**, **Copy**, **Share**, and **Add to Tasks**.

Calculator

The **Calculator** application allows you to perform mathematical calculations.

To open and use the Calculator

- ▶ From the Home screen, tap the **Apps Key**  > **Calculator** .



QSlide Icon
Tap here to display
the Calculator in a
QSlide window.







Basic calculator





Scientific calculator

- ▶ Tap the calculator keys to enter numbers and arithmetic operators on the calculator's display.
- ▶ Tap the **Delete Key**  to delete the last number or operator you entered.
- ▶ Tap the **Clear Key**  to clear the calculator's display.
- ▶ Tap anywhere within the calculator's display to place the cursor within the calculation.

- ▶ Touch and hold the calculator's display to open a Context menu where you can copy what you've entered to use it in other tools that you access.
- ▶ To open the Scientific calculator, tap the **Menu** icon  (at the upper-right corner of the screen), then tap **Scientific calculator**. To return to the Basic calculator, tap the **Menu** icon  (at the upper-right corner of the screen), then tap **Basic calculator**.
- ▶ Tap the **Menu** icon  > **Calculation history** to view your calculator history. You can tap an entry to calculate it again or edit it.
- ▶ Tap the **QSlide** icon  at the top left corner of the screen to use the Calculator in a QSlide window.

Using the Calculator in QSlide

The QSlide function displays the calculator panel in a moveable window in the foreground while allowing you to access other phone features in the background.

- ▶ Touch and hold the Calculator QSlide title bar to move it to another position on the screen.
- ▶ Drag the bottom right corner of the window to resize it.
- ▶ Tap the **QSlide** icon  in the upper left corner to return to the **Calculator** Application.
- ▶ Drag the circle on the transparency bar to the left to make the QSlide calculator window transparent allowing you to access the screen functions underneath it. Drag it back to the right to use the QSlide window again.
- ▶ Tap  in the upper right corner of the title bar to close the Calculator QSlide window.


Alarm/Clock





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

To open the Alarm/Clock application


- From the Home screen, tap the **Apps Key**  > **Alarm/Clock** .

Setting and Activating Alarms

The **Alarms** tab allows you to set varying alarm clocks. You can set an alarm by modifying an existing alarm or by adding a new one. After you've created one or more alarms, you can easily activate or deactivate an alarm by tapping its Alarm icon  to toggle it on (blue) or off (grey).

1. From the Home screen, tap the **Apps Key**  > **Alarm/Clock** .
2. Tap the **Alarms** tab at the top of the screen, if necessary.
3. Tap the **New alarm** icon  (at the bottom of the screen) to add a new alarm or tap a current alarm icon  (on the right side of the screen) to activate an existing alarm (when the icon is blue, the alarm is set).

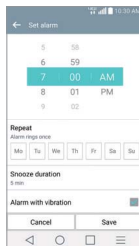
To set an alarm

1. Open the **Alarm/Clock** application, then access the **Alarms** tab.
2. Tap **New alarm** icon  in the lower left corner of the screen to create an alarm, or tap an existing alarm to modify and set it.

Existing Alarm
Tap here to modify
this alarm's settings.




Alarms Screen



Set Alarm Screen

3. Scroll the time wheel to set the alarm time (**Hour** and **Minute**) and the time of day (**AM** or **PM**).
4. Tap the day(s) when you want the alarm to sound in the **Repeat** field. If you don't tap the Repeat setting, the alarm sounds only the one day you set it.
5. Tap **Snooze duration** to open a dialog box to set the amount of time to wait before sounding the alarm again if it is not dismissed. You can set the alarm to ring repeatedly from 5 minutes up to 1 hour.
6. Tap **Alarm with vibration** to checkmark the setting and have the phone vibrate, in addition to playing the alarm sound.
7. Tap **Alarm sound** to set the sound notification. Tap **Alarm tone** or **Music**, select the sound for the alarm, then tap **OK**. The ringtone plays briefly when you select it.
8. Slide the button on the **Alarm volume** slider to the right to increase the alarm volume and to the left to decrease it. The alarm sound plays to help you determine the volume you want.
9. Tap **Auto app starter** to set the application you want to automatically open when you stop the alarm, then tap **OK**.
10. Tap **Puzzle lock** to checkmark the setting, which requires you to wake up enough to solve a simple puzzle to dismiss the alarm.
11. Tap **Memo** to enter information about the alarm. For example, to identify when to use it (e.g., class day).
12. When you're finished, tap **Save** at the bottom of the screen.

Alarm Settings

To access the Alarm settings, from the Alarms tab, tap the **Menu** icon  (at the upper-right corner of the screen), then tap **Settings**. The Alarm settings include **Volume key behavior** and **Puzzle lock**.

When the alarm sounds


- ▶ Tap **Dismiss** or, if set, use the gesture feature of simply flipping the device over to stop the alarm.

- ▶ Tap **Snooze** to stop the alarm for the snooze duration you set.

NOTE If **Puzzle lock** is set to On, using the gesture feature of flipping the device over will snooze the alarm instead of turning it off.


Setting the Timer

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



1. Open the **Alarm/Clock** application, then select the **Timer** tab.
2. Set the time on the digital timer. Tap the **Hour**, **Minute** and/or **Second** field(s) and enter the numbers as necessary.
3. Tap the **Menu** icon  (at the upper-right corner of the screen) > **Settings** to set **Alarm with vibration**, **Alert sound**, and **Alert volume** for the timer.
4. Tap the green **Start** button at the bottom of the screen to begin the time countdown.
5. Once the alarm sounds, tap the red **Stop** button to stop the timer.

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 **Alarm/Clock** application, then select the **World clock** tab.
2. Tap the **New City** icon  (at the bottom of the screen), search through the available cities, then tap the one you want.

Managing the World Clock Cities

- ▶ Tap the **New City** icon  (at the bottom left corner of the screen) to select another city for your list.
- ▶ Tap the **Delete** icon  (at the bottom right corner of the screen) to select one or more cities to delete from your list.
- ▶ Touch and hold an entry in the list to open a Context menu to select **Set daylight saving** or **Delete**.

Using the Stopwatch

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

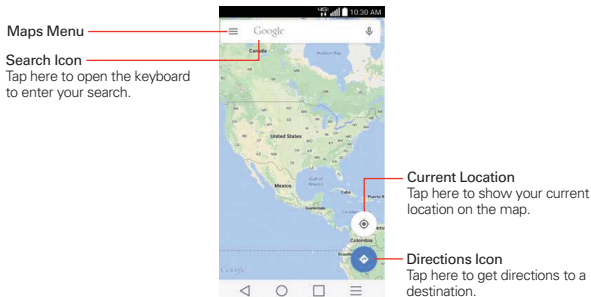
1. Open the **Alarm/Clock** application, then select the **Stopwatch** tab.
2. Tap the green **Start** button at the bottom of the screen to start timing and tap the red **Stop** button to stop the time.
You can use the Lap function by tapping the **Lap** button to record multiple milestone times within the same timing session.
3. Tap the **Reset** button to reset the Stopwatch or tap the green **Resume** button to continue monitoring time.

Maps

The **Maps** application allows you to find places and get directions.

To open the Maps application

- From the Home screen, tap the Apps Key  > Maps .



Maps options

Maps options include changing the map view to Traffic, Public transit, Bicycling, Satellite, Terrain, Google Earth, Settings, Help, Send feedback, and Tips and Tricks.


Voice Mate

You can ask **Voice Mate** to perform phone functions using your voice, such as calling a contact, setting alarms, or searching the web. When you access Voice Mate for the first time, it displays help information to assist you in learning how to use this function.

To open the Voice Mate application

- ▶ From the Home screen, tap the **Apps Key**  > **Voice Mate** .




Using the Voice Mate application

1. Open the **Voice Mate** application.
2. Tap the **Speak** icon  (at the bottom of the screen) to turn it on. Say what you want it to do for you.
 - ▶ If you say “Call Rachel”, Voice Mate will call your contact Rachel.


NOTE Access the Voice Mate settings to checkmark **Skip confirmation** so that found exact name (or number) match requests will be executed without confirming it first.

Voice Mate Icons

The following Voice Mate icons are displayed at the bottom of the screen:

- ▶  Tap to display the Voice Mate user guide with help and examples.
- ▶  Tap to say a voice command to execute.
- ▶  Tap to type a command to execute.

Voice Mate settings





To access the Voice Mate settings, activate Voice Mate, then tap the **Settings** icon  (in the upper-right corner of the screen). Voice Mate settings include **Skip confirmation**, **Voice feedback**, **Save events to**, **Voice activation**, **Button vibration**, **Voice launch command**, **Voice launch on Lock screen**, **Skip secured Lock screen** and **Voice launch when charging**.

- NOTES**
- When the language setting for Voice Mate is not the same as the default language setting on your phone, some commands such as launching apps may not work.
 - When entering text, you can only use letters or numbers.
 - Voice Mate recognizes your speech better when you speak slowly.
 - You can view examples of various commands by swiping the Voice Mate main screen to the left.

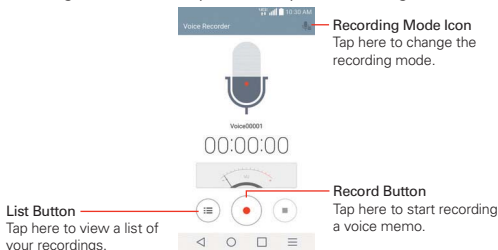
Voice Recorder

The **Voice Recorder** application records audible files for you to use in a variety of ways. 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.

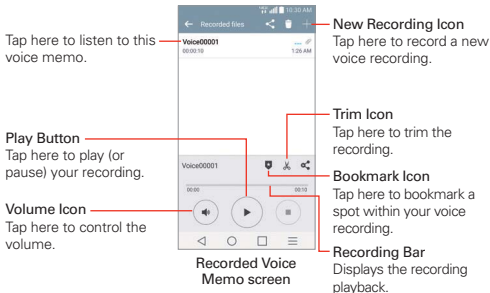
Record a Voice Memo

1. From the Home screen, tap the **Apps Key**  > **Voice Recorder** .
2. Tap the **Record** button  to start recording.
3. Speak into the microphone.
4. When you're finished, tap the **Stop** button .








The recording is automatically saved to your recordings list.



Voice Recorder screen





Play a Voice Memo

1. From the Home screen, tap the **Apps Key**  > **Voice Recorder** .
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 List screen.
 - ▶ Tap the **Volume** icon  to increase or decrease the volume.
 - ▶ Move the slider on the recording bar to listen to a specific part of the voice memo.
 - ▶ Tap the **Trim** icon  to trim away segments at the beginning or end of the recording.

Managing your Voice memos



From the Voice Recorder list screen:

- ▶ Tap the **Share** icon  (at the top of the screen) to share the voice memo using the available choices.
- ▶ Tap the **Delete** icon  (at the top of the screen) to select the voice memo(s) you want to delete.
- ▶ Touch and hold a voice memo to open a context menu to select **Share**, **Delete**, **Rename**, **Trim**, or **Details**.





POLARIS Office 5

POLARIS Office 5 is a professional mobile office solution that lets users conveniently view various types of office documents, including Word, Excel and PowerPoint files, anywhere or anytime, using their mobile devices.








Create a New Document

1. From the Home screen, tap the **Apps Key**  > **POLARIS Office 5** .
2. Register your email address on the Registration page.


NOTE You can tap **Skip** to ignore the registration information.



3. Tap the **New** icon  (at the top of the screen) to start a new document.
4. Tap a document type from the drop-down list, then choose a template.
5. Enter contents in the document using the tools at the top of the screen and the on-screen keyboard.
6. When you're done working on the document, tap the **File** icon  (in the top left corner of the screen), then tap **Save** (or **Save as** to enter a new document name) to save.
7. Enter the document name and verify the folder to save it in, then tap the **Save** icon  in the top right corner of the screen.
8. Tap the **Back Key**  (in the Front Touch Keys bar) to exit.

View and edit a document on your device

1. From the Home screen, tap the **Apps Key**  > **POLARIS Office 5** .
2. Tap an office document tab (**Word** , **Excel** , **PowerPoint** , **PDF** , or **text file** ) at the top of the screen to search for documents on your phone. You can also slide the screen to the right to select **Recently viewed**, **Favorites**, or **Broadcast** files.
3. Tap the document that you want to view or edit.

NOTE You can also open an attachment in an email by tapping the attachment in the message.

4. The document opens for you to view. To edit it, tap the **Menu** icon  (in the top right corner of the screen), then tap **Change edit mode**.

5. When you're finished editing, tap the **File** icon  (in the top left corner of the screen), then tap **Save**. Tap the **Back Key**  (in the Front Touch Keys bar) to exit.

File Manager

Use the **File Manager** application to manage your applications and documents stored in your phone.





To open the File Manager application


From the Home screen, tap the **Apps Key**  > **File Manager** .

File Manager Options

File Manager makes it easy to view and manage your files. Simply tap a file type (**All files**, **Music** files, **Image** files, **Video** files, or **Document** files), then tap on the necessary folders to find your files.


Open the **File Manager** application, tap **All files**, then tap the **Internal storage** folder to access to the following File Manager options (at the bottom of the screen):

- ▶ : Allows you to create a new folder.
- ▶ : Allows you to move files and folders to another folder.
- ▶ : Allows you to copy files and folders to another folder.
- ▶ : Allows you to delete files and folders.

Tap the **Menu** icon  (in the bottom action bar) to access the following options.

- ▶ **Sort by**: Allows you to sort files and folders by Name, Size, Date, or Type.
- ▶ **View by**: Allows you to display your files as a List or in a Grid.
- ▶ **Share**: Allows you to select files and folders to share with others.
- ▶ **Zip**: Allows you to select files and folders to compress into a .zip file.
- ▶ **Show/Hide hidden files**: Allows you to show hidden files or hide them.
- ▶ **Exit**: Exits the application.

Searching in File Manager

Tap the **Search** icon  (in the top right corner of the File Manager screen) to search for your files or information.



Using QSlide

While viewing All Files, tap the **QSlide** icon  to open File Manager in a QSlide window.




Tasks

The **Tasks** application can be synchronized with your MS Exchange account. You can create a task, revise it, and delete it using your phone, or from MS Outlook or MS Office Outlook Web Access.


To synchronize MS Exchange

1. From the Home screen, tap the **Apps Key**  > **Settings**  > **Accounts** > **Add account** (under the Accounts section).
2. Tap **Microsoft Exchange**, then sign-in using your Email address and Password.
3. Checkmark the **Sync task** checkbox.

To add Tasks

1. From the Home screen, tap the **Apps Key**  > **Tasks** .
2. Tap the **Add new task** icon  (in the top right corner of the screen).
3. Enter the **Subject**, **Start/Due date**, **Description**, **Repeat**, and **Reminder**.
4. Tap **Save**.

Tasks options

While viewing your Tasks screen, tap the **Menu** icon  (at the upper-right corner of the screen) to access the following:



- ▶ **Sync now** Tap to sync your Microsoft Exchange account tasks.
- ▶ **Sort by** Tap to select **Due date**, **Priority**, or **Creation order**.

- ▶ **Delete** Tap to select tasks to delete.
- ▶ **View completed tasks** Tap to view your list of completed tasks.
- ▶ **Lists to display** Tap to select which lists to display.
- ▶ **Settings** Tap to change your Tasks settings including **Notifications**, **Notification sound**, **Vibrate**, **Pop-up notification**, and **Accounts**.

Settings

The **Settings** application contains most of the tools for customizing and configuring your phone. All of the settings in the Settings application are described in this section.

To open the Settings application



- ▶ From the Home screen, tap the **Apps Key**  > **Settings** .

OR

- ▶ From the Home screen, tap the **Menu Key**  (in the Front Touch Keys bar) > **Settings**.

To switch to tab view

The settings are grouped into categories.


- ▶ List view displays each category (5) in blue capital letters followed by its related settings. Scroll up and down through the screen.
 - ▶ Tab view displays each category (4) in tabs (at the top of the screen) that include its related settings. Swipe to the left or right to switch between tabs or tap a tab to select it.
1. From the Home screen, tap the **Menu Key**  (in the Front Touch Keys bar) > **Settings**.
 2. Tap the **Menu Key**  (in the Front Touch Keys bar) > **Switch to tab view** (or **Switch to list view**).
 3. Tap **OK** to confirm.

NOTE Instructions to perform tasks in this guide are based on the default list view.


WIRELESS NETWORKS

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

Airplane mode

Tap the **Airplane mode** switch  to toggle between On and Off. On disables all wireless connections.

Wi-Fi


Tap the **Wi-Fi** switch  to toggle between On and Off. Tap **Wi-Fi** to access the following Wi-Fi settings:

Show Wi-Fi pop-up: Checkmark to be notified when a Wi-Fi network is in range when you launch an application.

WI-FI NETWORKS

The list of all of the Wi-Fi networks that are within access range. Tap one to access it.

NOTE Tap **Search** at the bottom of the screen to scan for available Wi-Fi networks.

Tap the **Menu Key**  (in the Front Touch Keys bar) in the Wi-Fi menu to access the following options.

Add Wi-Fi: Tap to enter a **Wi-Fi name (SSID)**, choose the **Security** and enter the **Password** to manually add Wi-Fi networks.

Saved Wi-Fi: Tap to show the Wi-Fi networks you saved.

Advanced Wi-Fi: Accesses the following advanced Wi-Fi settings.

Wi-Fi notifications: Checkmark to notify if Wi-Fi networks are available nearby or when your device is connected to a Wi-Fi network.

Manage networks: Allows you to specify the order in which your Wi-Fi networks will be detected.

Sort list by: Sets how your Wi-Fi networks are listed. Choose **Signal strength** or **Alphabetical order**.

Keep Wi-Fi on when screen is off: Sets the Wi-Fi status when the screen is off. Choose from **Yes**, **Only when plugged in**, and **No**.

Allow Wi-Fi scanning: Checkmark to let Google's location service and other apps scan for networks, even when Wi-Fi is off.

Avoid bad Wi-Fi connections: Checkmark to use the mobile network whenever the Wi-Fi network you're connected to has no internet connection. (Data usage may apply.)

Wi-Fi Direct: Allows direct connection with Wi-Fi devices without any access point.

Connect by WPS button: Allows you to connect to a secured Wi-Fi network with a WPS button.


Connect by WPS PIN: Allows you to connect to a secured Wi-Fi network with a WPS PIN.

Install certificates: Allows you to install certificates from storage.

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.


Bluetooth

Tap the **Bluetooth** switch  to toggle between On and Off. Turn it on and tap **Bluetooth** to access the following settings:

VS980 4G LTE: Checkmark to allow other Bluetooth devices to see your phone for pairing and connection.

AVAILABLE DEVICES

The list of all of the available in-range Bluetooth devices.

Tap the **Menu Key**  (in the Front Touch Keys bar) in the Bluetooth menu to access the following options.

Edit phone name: Changes your phone name for easy identification when pairing and connecting. Enter your new phone name, then tap **Save**.


Visibility timeout: Sets the amount of time other Bluetooth devices can see your phone for pairing and connection.

Show received files: Displays a list of your Bluetooth received files.

Help: Displays information about Bluetooth features.


NOTE Tap **Search for devices** at the bottom of the screen to search for in-range Bluetooth devices.

Data usage

This menu allows you to manage your mobile data usage. Tap the **Mobile data** switch  to toggle between On and Off. Tap **Data usage** to access the following settings:


Limit mobile data usage: Checkmark to limit your mobile data. Your mobile data connection will be disabled when you reach the limit you set. Set your data usage limit by dragging the red line on the graph provided.

Alert me about data usage: Checkmark to allow your phone to alert you when your mobile data usage reaches the warning amount you have set. Set your warning amount by dragging the yellow line on the graph provided.

Data usage cycle: Displays your current data usage cycle. Tap the drop-down menu icon  to change the cycle date.

Data usage graph: Displays your data usage on a graph.

Data usage applications: Applications are displayed with their data usage on a bar graph. Tap one to see more detailed information.

To access advanced options, tap the **Menu Key**  (in the Front Touch Keys bar).

Display in MB/GB: Displays your used data in Megabytes/Gigabytes.

Restrict background data: Checkmark to disable sync in the background while using a mobile network.

Show Wi-Fi usage: Checkmark to view your data usage via Wi-Fi.

Mobile hotspots: Displays a list to select and use another device's mobile network as a mobile hotspot for mobile data usage. Turn on Wi-Fi and search for mobile hotspots, if necessary.


Mobile networks: Allows you to manage your mobile network settings.

Advanced Calling

Activate Advanced Calling: Activate to add Advanced Calling to your line.

Share & connect

DATA/MEDIA SHARE

NFC: Tap the **NFC** switch  to toggle it On or Off. On allows data receive when the phone touches another data-compatible device (typically within 20 mm). NFC (Near Field Communication) establishes radio communication between smartphones and similar devices. NFC will be turned off automatically when airplane mode activated. Tap **NFC** to access the following settings:


Show NFC Security alerts: Checkmark to show NFC security alerts you for permission when a phone tries to send you information.

Read/Peer to Peer: Checkmark to display confirmation when receiving a contact or URL via NFC.

Connection handover: Checkmark to display confirmation when pairing devices via NFC.


NFC sound in call: Checkmark to play the NFC sound even during an incoming call.

Tap & pay: When NFC is turned on, you can use the Tap & pay feature to pay for items just by touching your phone to a reader at a register. If your phone doesn't have a default app, you can browse Google Play Store for other payment apps.

Android Beam: Tap the **Android Beam** switch  to toggle it On or Off. On allows you to beam application content or files to other mobile devices by holding them close together. Tap the menu name to view help information.


SmartShare Beam: Allows you to receive multimedia content via SmartShare Beam from another LG phone.

Media server: Tap to share media content with nearby device via DLNA.

NOTE Tap the **Menu** icon  (at the upper-right corner of the the Media server screen) to access **Use DLNA feature**.

Content sharing: Checkmark to allow nearby devices to access content on your phone.

YOUR PHONE

VS980 4G LTE: Tap **VS980 4G LTE** to edit your phone name for Bluetooth, Wi-Fi Direct, etc., then tap **Save**. Tap the **Image** icon  to set your phone image.

Content to share: Sets the types of content your phone is allowed to share. Checkmark **Photos**, **Videos**, or/and **Music**.


Receive content: Checkmark to allow nearby devices to send content to your phone.

NEARBY DEVICES

Allowed devices: Displays nearby devices that can access your phone.

Not-allowed devices: Displays nearby devices that can't access your phone.

SCREEN SHARE

Miracast: Tap the **Miracast** switch  to toggle it On or Off. On allows you to wirelessly mirror your phone screen and sound onto a Miracast dongle or TV. Tap **Help** to view help information.


STORAGE SHARE


Wireless storage: Allows you to share files with your phone and computer. Tap the **Wireless storage** switch in the top right corner of the screen to toggle it On, connect to a network, then select the devices to allow connection. Tap **Help** to view help information.

More... (Wireless & networks)

TETHERING

Tethering allows you to connect other devices to your phone's internet connection. Select connection your method.

Mobile Broadband Connect: Tap the **Mobile Broadband Connect** switch  to toggle it On or Off. On allows you to share the phone's mobile data connection using a USB connection. This setting is greyed out if not connected via USB.


Mobile Hotspot: Allows you to use your device as a Mobile Hotspot for other devices to use your mobile network connection. Tap the **Mobile Hotspot** switch  to toggle it On or Off.


Set up: Sets the SSID and key for your mobile hotspot.

Manage connections: Sets the device(s) allowed to use your hotspot connection.

Help: Displays hotspot help information.

Connected devices are listed at the bottom of the screen.

NOTE From the Mobile Hotspot setting, tap the **Menu Key**  (in the Front Touch Keys bar), then tap **Advanced** to access additional settings including **Manage applications**, **DHCP server**, **DHCP server settings**, and **Power Management**.

Bluetooth tethering: Tap the **Bluetooth tethering** switch  to toggle it On or Off. On shares the phone's internet connection with other Bluetooth devices.

Help: Displays information regarding mobile broadband connection, mobile hotspot, and Bluetooth tethering.

NETWORK

Mobile networks: Sets up options for data roaming, networks, and APNs (Access Point Names).

Mobile data: Checkmark to enable data access over the mobile network.


Data roaming access: Sets up your data services while roaming. Choose from **Deny data roaming access**, **Allow access for only this trip**, and **Allow access for all trips**.

System select: Sets your network mode and CDMA roaming mode.

Network mode: Sets the network mode. Choose from **Global**, **LTE/CDMA**, and **LTE/GSM/UMTS**.

LTE/GSM/UMTS settings: Sets the network submode and network operators.

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

Access point names: Sets up APN for data service. Select an **APN** in the list or tap the **Menu Key**  (in the Front Touch Keys bar), then tap **New APN** to create a new one.

Roaming state: Displays your current roaming state.

Default message app: Sets the default messaging application. Choose from **Messaging**, **Hangouts**, or any other available supported app.

VPN: Sets up and manages Virtual Private Networks (VPNs).

Basic VPN: Sets your phone to use the built-in Android VPN client supporting basic features.

LG VPN: Sets your phone to use an advanced LG VPN client supporting full IP Security features and interoperability. You can add an LG VPN network or select from your list of VPN connections.

NOTE Tap the **Menu Key**  (in the Front Touch Keys bar) to access **Settings**, **Import certificates**, **Delete all**, and **About**.

DEVICE

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

Sound & notification


BASIC


Sound profile: Sets the sound profile to **Sound**, **Vibrate only**, or **No interruptions**.

Volume: Sets individual volume levels for phone Ringtone, Notifications sound, Touch feedback & system, and Music, video, games, and other media. Move the slider button on each volume bar to set the volume.


Vibration strength: Allows you to set the vibrate strength for calls, notifications, and touch feedback.

RINGTONES & VIBRATIONS

Ringtone: Sets the ringtone for calls. You can also add a ringtone by tapping the **New** icon  (at the upper-right corner of the screen).

Notification sound: Sets the sound for notifications. You can also add a notification sound by tapping the **New** icon  (at the upper-right corner of the screen).

Sound with vibration: Checkmark to set the phone to vibrate in addition to the ringtone when you receive calls.

Vibration type: Sets the incoming call vibration options. Choose from **Long Lasting**, **Rapid**, **Short repeated**, **Standard**, and **Ticktock**. Tap the **New** icon  (at the upper-right corner of the screen) to create your own vibration pattern.

NOTIFICATIONS

Interruptions: Set interruptions for notifications.

Lock screen: Sets notifications for the lock screen. Tap to choose **Show all notifications**, **Hide sensitive only**, or **Hide all notifications**.

Apps: Allows you to prevent apps from displaying notifications or set apps to show notifications with priority when Do not disturb is set to Priority only.

ADVANCED SETTINGS

Vibrate on tap: Checkmark to vibrate when you touch the screen (e.g., touch keys and make selections).

Sound effects: Tap to set dial pad touch tones, touch sounds, screen lock sound, sound when roaming, or emergency tone.


Dial pad touch tones: Checkmark to play tones when you use dial pad.

Touch sounds: Checkmark to play a sound when you make screen selections.

Screen lock sound: Checkmark to play a sound when you lock and unlock the screen.

Sound when roaming: Checkmark to play a sound when roaming.

Emergency tone: Sets the behavior when an emergency call is placed. Choose from **Off**, **Alert**, and **Vibrate**.

Message/call voice notifications: Tap the **Message/call voice notifications** switch  to toggle it On or Off. On allows your phone to automatically read your incoming calls and/or messages out loud. Checkmark **Calls** for caller information, **Messages** for sender information, and **Read messages** for message content. You can also set the readout language.

Display

This menu allows you to manage your phone's display settings.


SCREEN

Brightness: Adjusts the brightness of the screen. For best battery performance, use the dimmest comfortable brightness.

Screen timeout: Sets the amount of time before the screen times out.

Screen-off effect: Sets the screen-off effect. Choose from **Fade out**, **Black hole**, and **Retro TV**.

Auto-rotate screen: Checkmark to set the phone to automatically rotate the screen based on the phone orientation (portrait or landscape).

Daydream: Tap the **Daydream** switch  to toggle it On or Off. On allows the set screensaver to be displayed when the phone is sleeping while docked and/or charging. Choose from **Alarm/Clock** or **Google Photos**.

FONT

Font type: Sets the type of font used for the phone and menus.

Font size: Sets the size of the font displayed in the phone and menus.

ADVANCED SETTINGS

Smart screen: Checkmark to keep the screen from timing-out when the phone detects your eyes looking at the screen.

Home touch buttons: Sets the Touch Keys displayed at the bottom of all of the screens. Set which ones are displayed, their position on the bar, and what they look like. Select **Button combination** or **Color**.

Notification light: Tap the switch  to toggle it On or Off. **On** will activate the LED light for the notifications you checkmark.

Home screen

This menu allows you to manage your Home screen settings.

SCREEN

Theme: Sets the screen theme for your device. Choose **LG**, **Biz**, or **Marshmallow**.

Wallpaper: Sets the wallpaper to use on your Home screen. Select it from **Wallpaper gallery**, **Gallery**, **Live Wallpapers**, **Multi-photo**, and **Photos**.

Screen swipe effect: Sets the effect when you swipe to change screens. Choose from **Slide**, **Breeze**, **Accordion**, **Panorama**, **Carousel**, **Layer**, and **Domino**.

Allow Home screen looping: Checkmark to allow continuous Home screen scrolling (loop back to first screen after last screen).

Allow apps list looping: Checkmark to allow continuous Application screen scrolling (loop back to first screen after last screen).

TIPS

Help: Displays information regarding the Home screen items and functions.

Lock screen

This menu allows you to manage your Lock screen settings.

SCREEN SECURITY

Select screen lock: Sets how to secure your phone from unintentional and/or unauthorized use. Choose from **None**, **Swipe**, **Pattern**, **PIN**, and **Password**.

Smart Lock: Allows you to configure this setting to keep your phone unlocked when you have a trusted Bluetooth device connected to it, when it's in a familiar location, like your home or work, or when it recognizes your face.

Screen swipe effect: Sets the screen swipe effect options. Choose from **Light particle**, **Vector circle**, **Mosaic**, and **Soda**.

The Security lock settings depend on the Lock type. The following settings may also be displayed.

Pattern effect: Set the pattern effect options. Choose from **Basic**, **Dewdrop**, and **Balloons**.

Hidden pattern: Checkmark to display the unlock dot pattern when (and where) you tap the Lock screen.

Make pattern visible: Checkmark to make your pattern visible while drawing it.

Hidden PIN: Checkmark to display the keypad when you tap the Lock screen.

Randomize PIN entry: Sets the keypad to random numbers so that someone watching cannot detect your PIN from your hand movements.

Hidden password: Checkmark to display the keyboard when you tap the Lock screen.

CUSTOMIZE

Wallpaper: Sets your Lock screen wallpaper. Select it from **Gallery** or **Wallpaper gallery**.

Shortcuts: Allows you to change the shortcuts at the bottom of the Swipe Lock screen.

Weather animation: Checkmark to show weather animation for your current location or primary city set in Weather based on auto data updates.

Owner info: Tap to show contact info on the Lock screen in the event the phone is lost.

LOCK TIME

Security lock timer: Sets the amount of time before the screen automatically locks after the screen has timed-out.

Power button instantly locks: Checkmark to instantly lock the screen when the **Power/Lock Key** is pressed. This setting overrides the Security lock timer setting.

Gestures

This menu allows you to manage various gesture settings.

KnockON: Checkmark to enable KnockON to turn the screen on and off. Quickly double-tap center screen to turn it on. Double-tap the Status Bar, an empty area on the Home screen, or the Lock screen to turn the screen off. For the best results, do not move the phone while using the KnockON feature.

Answer an incoming call: Checkmark to enable you to bring the phone to your ear to automatically answer the incoming call.

Fade out ringtone: Checkmark to enable you to pick up the phone from a flat surface to fade out the incoming call ringtone.

Silence incoming calls: Checkmark to enable you to flip the phone to silence incoming calls.

Snooze or stop alarm: Checkmark to enable you to simply flip the phone to snooze or stop the alarm.

Pause video: Checkmark to enable you to simply flip the phone to pause the currently playing video.

Help: Opens a help guide on how to use the Gestures features of your device.

SENSOR

Motion sensor calibration: Allows you to improve the accuracy of the tilt and speed of the sensor.

One-handed operation

Dial keypad: Checkmark to enable you move the dial keypad to the right or left side of the device. Simply tap the arrow to move it to one side or the other.

LG keyboard: Checkmark to enable you move the keyboard to the right or left side of the device. Simply tap the arrow to move it to one side or the other.

Lock screen: Checkmark to enable you move the PIN Lock screen keypad to the right or left side of the device. Simply tap the arrow to move it to one side or the other.

Help: Displays information regarding one-handed operation.

Storage

Use the Storage menu to monitor the used and available space in your phone.

INTERNAL STORAGE

Total space: Displays the total amount of space in the phone's memory. It's listed in Gigabytes and also on a colored bar graph with a color-coordinated list of the applications as well as the amount of space they use. Remaining memory space is grey-colored.

Battery


BATTERY INFORMATION

The Battery charge information is displayed on a battery graphic along with the percentage of the remaining charge and its status.

Battery usage: Displays the Battery use screen to see battery usage level and battery use details. It displays which components and applications are using the most battery power. Tap one of the entries to see more detailed information.

Battery percentage on status bar: Checkmark to display the battery level percentage on the Status Bar next to the battery icon.

BATTERY SAVER

Battery saver: Tap the **Battery saver** switch  to toggle it On or Off. Tap **Battery saver** to set the battery charge percent level that will automatically turn on Battery saver. Choose from **Immediately**, **5% battery**, and **15% battery**.

Help: Displays tips for using the Battery saver function.

Application manager

Use the Application manager menu to view details about the applications installed on your phone, manage their data, and force them to stop.

Swipe left and right to select one of the three tabs across the top of the screen to view detailed information for **DOWNLOADED**, **RUNNING**, and **ALL** applications. Tap an entry to view more information, tap **Stop** (or **Force stop**), then **OK** to stop it from running.

PERSONAL

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

Guest mode

Use Guest mode when you let someone else use your phone. They'll only be able to use the apps that you've selected. Once you set it up, you can easily put your phone in Guest mode by drawing a specified guest screen lock on the Lock screen that you set, which is different from your normal screen lock.

Guest mode: Tap the switch (at the upper-right corner of the screen) to toggle Guest mode On or Off. On allows you to put your phone in Guest mode from the Lock screen.

HOME SCREEN

Allowed app: Tap to select the apps available in Guest mode.


Wallpaper: Sets the background (wallpaper) for your Guest mode Lock screen.

LOCK SCREEN

Lock screen type: Tap to create the screen lock sequence for Guest mode.

Help: Displays information regarding Guest mode.

Location

Use the Location menu to set your preferences for using and sharing your location when you search for information and use location-based applications, such as Maps. Tap the **Location** switch  to toggle between On and Off.

E911 Location: E911 Location cannot be turned off on any mobile phone. Intended for personal safety in urgent situations, this setting cannot be altered by the user.

Mode: Set the location mode from **High accuracy (GPS and networks)**, **Battery saving (Networks only)**, and **Device sensors only (GPS only)**.

Recent Location Request: List of apps that have requested to access your location.

Location services: Displays Google Location Reporting.

Security

Use the Security menu to configure how to help secure your phone and its data.

ENCRYPTION

Encrypt phone: Allows you to encrypt the phone to keep it secure. After encryption, a PIN or password needs to be entered each time you power the phone on.

SIM CARD LOCK

Set up SIM card lock: Allows you to set if you want to require a PIN to be able to access the SIM card. And, if set, allows you to change the PIN.

PASSWORDS

Password typing visible: Checkmark to briefly show each character of the password as you type so that you can see what you enter.

PHONE ADMINISTRATION

Phone administrators: Displays the list of administrators, allowing you to deactivate device administrators.

Unknown source: Checkmark to allow installation of non-Play Store applications.

Verify apps: Checkmark to disallow or warn before installation of applications that may cause harm.

CREDENTIAL STORAGE

Storage type: Displays the current storage type for credentials (e.g., Hardware-backed).

Trusted credentials: Allows applications to access your phone's encrypted store of secure certificates, related passwords and other credentials. The screen has a **System** tab and a **User** tab. Credential storage is used to establish some kinds of VPN and Wi-Fi connections. This setting is dimmed if you have not set a password to secure your credential storage.

Install from storage: Allows you to install a secure certificate from the storage.

Clear credentials: Deletes all secure certificates and related credentials and erases the secure storage's own password. You are prompted to confirm you want to clear this data.

ADVANCED

Trust agents: Tap to view or deactivate Trust agents, which allow you to use apps without unlocking the screen.

Screen pin: This feature allows you to lock your device so that the current user can only access the pinned app. This is useful for users with children.

Accounts

Auto-sync data: Checkmark to turn auto-sync data on. Any changes you make to your accounts on the web will be automatically synchronized to your phone.

Add account: Allows you to add accounts to your phone.


Language & input


Use the Language & input menu to select the language for the text on your phone and for configuring the on-screen keyboard. You can also manage your language dictionary for personal words that you've added.

Language: Sets the language to use on your device.

KEYBOARD & INPUT METHODS

Default: Sets the default on-screen keyboard to use when entering text.

LG Keyboard: Checkmark to select the LG Keyboard to enter data. Tap the **Settings** icon  to change LG Keyboard settings:

Google voice typing: Checkmark to select Google voice typing to enter data. Tap the **Settings** icon  to change the Google voice settings.

SPEECH

Voice Search: Sets voice search options.

Language: Sets the Google search by voice language.

Speech output: Sets when to use speech output. Choose from **On**, **Hands-free only**, or **Off**. To turn on speech output only when you've got a headset attached to your phone, select Hands-free only.

"Ok Google" Detection: Allows you to say "Ok Google" to start a voice search with Google.

Offline speech recognition: Sets one or more additional languages for speech recognition when you don't have a network connection.

Block offensive words: Checkmark to hide offensive voice results.

Bluetooth headset: Checkmark to record audio through a connected Bluetooth headset.

Text-to-speech output: Sets the preferred speech engine and speech rate (very slow to very fast). Also plays a short demonstration of speech synthesis.

MOUSE/TRACKPAD

Pointer speed: Sets the pointer speed on a slide bar.

Backup & reset

This menu allows you to back up and/or erase your data.

BACKUP & RESTORE

Back up my data: Checkmark to backup application data, Wi-Fi passwords, and other settings to Google servers.

Backup account: Sets the account to backup.

Automatic restore: Checkmark to allow the device to automatically restore backed up settings and data when an application is reinstalled on the device.

PERSONAL DATA


Factory data reset: Allows you to erase all of the data on the phone. Read the warning, then tap **Reset phone** at the bottom of the screen and **Erase everything** to confirm.

Reset settings: Tap to restore the default system settings.

SYSTEM

The System category allows you to manage various system settings.

Shortcut key

Tap the **Shortcut key** switch  (at the upper-right corner of the screen) to toggle it On or Off. On allows quick access to apps by pressing and holding the Volume Keys (on the back of the phone) when the screen is off or locked. Press and hold the **Volume Up Key** to access QuickMemo+. Press and hold the **Volume Down Key** access the Camera app.

Date & time

This menu allows you to manage your date and time formats.

Auto-date & time: Checkmark to use the network-provided date and time.

Auto-time zone: Checkmark to use the network-provided time zone.

Set date: Tap to manually set the date to use for your device. This setting is greyed-out when the **Auto-date & time** setting is checkmarked.

Set time: Tap to manually set the time to use for your device. This setting is greyed-out when the **Auto-date & time** setting is checkmarked.

Select time zone: Tap to select select a time zone other than the one provided by the network. This setting is greyed-out when the **Auto-time zone** setting is checkmarked.


Use 24-hour format: Checkmark to display the time using the 24-hour time format (for example, 13:00 instead of 1:00 pm).

Select date format: Sets the format for displaying dates.

Accessibility

Improves accessibility for users who have impaired vision, hearing, or reduced dexterity.

VISION


TalkBack: Tap the **TalkBack** switch  (at the upper-right corner of the screen) to toggle it On or Off. On allows you to set up the TalkBack function which assists people with impaired vision by providing verbal feedback. Tap **Settings** (at the bottom of the screen) to adjust the TalkBack settings.


When TalkBack is turned on, the touchscreen settings require the user to first tap an item they want to select, and then double tap the item again in order to access this feature.


NOTE Passwords can be heard as they are entered when headsets are connected to the phone unless settings are changed to read passwords aloud without a headset.

Font size: Sets the font size. Choose from **Minimum**, **Small**, **Medium**, **Large**, **Very large**, and **Maximum**.

Invert colors: Checkmark to invert the screen color contrast for people with difficulty perceiving colors.

Color adjustment: Tap the **Color adjustment** switch  (at the upper-right corner of the screen) to toggle it On or Off. On allows you to adjust contrast and hue by dragging your finger across the screen.

Touch zoom: Tap the **Touch zoom** switch  (at the upper-right corner of the screen) to toggle it On or Off. On allows you to zoom in and out by triple-tapping the screen.

Message/call Voice notifications: Tap the Voice notifications switch  (at the upper-right corner of the screen) to toggle it On or Off. On allows you to hear automatic spoken alerts for incoming calls and messages.



READ OUT LOUD

Calls: Checkmark to read caller information out loud.

Messages: Checkmark to read sender information out loud.

Read messages: Checkmark to read messages out loud.

LANGUAGE

Message/call voice notifications Language: Tap to set Text-to-speech output. Choose **Google Text-to-speech** or **LG TTS+**. If you choose **Google Text-to-speech**, tap the **Settings** icon  to set **Language** and **Settings for Google Text-to-speech Engine**, and **Install voice data**. If you choose **LG TTS+**, tap the **Settings** icon  to set **Language** and **Settings for LG TTS+**.


Speech rate: Sets the speech rate. Choose from **Very slow**, **Slow**, **Normal**, **Fast**, and **Very fast**.

Pitch change: Sets the pitch change setting. Choose from **Very low**, **Low**, **Normal**, **High**, and **Very high**.

Listen to an example: Tap to play a short demonstration of Text-to-speech.

Default language status: English (United States) is fully supported.

Lower screen brightness: Checkmark to dim the screen's backlight for a darker contrast.


Accessibility shortcut: Tap the **Accessibility shortcut** switch  (at the upper-right corner of the screen) to open Accessibility quickly on any screen.

Text-to-speech output: Tap to customize text-to-speech (TTS) settings.

HEARING


Audio type: Sets the audio type. Choose **Mono** or **Stereo**.

Sound balance: Routes the sound through both the right and left channel when a headset is connected. To manually set the audio route, move the slider on the sound balance slide bar to set it.

Notification light: Tap the **Notification light** switch  (at the upper-right corner of the screen) to toggle it On or Off. On activates the LED light for incoming calls and notifications.




Flash alerts: Checkmark to allow a flash to blink for incoming calls and notifications.

Turn off all sounds: Checkmark to turn off all sounds.

Captions: Tap the **Captions** switch  (at the upper-right corner of the screen) to toggle it On or Off. On customizes caption settings for those with hearing impairments. Set **Language**, **Font size**, and **Caption style**.


PHYSICAL AND MOTOR

Touch feedback time: Sets the touch feedback. Choose from **Short**, **Medium**, and **Long**.

Touch assistant: Tap the **Touch assistant** switch  to toggle it On or Off. On allows you to replace the hardware keys with a Universal touch board  that is displayed on the touchscreen. Tap the touch assistant icon  to be able to tap its **Power** button, **Home** button, **Volume down** button, **Volume up** button, and the 1/2 (page) button (**Screen capture** button, **Accessibility** button, **Voice Mate** button, and **Pinch** button). Draw a "C" on the board to automatically display the Dial tab. Draw an "M" on the board to automatically display the Messaging app. Draw a "W" on the board to automatically launch the Chrome app. Draw an "S" on the board to launch the phone settings. Draw a "L" on the board to lock the screen. Draw a "e" on the board to launch the Email app.

Screen timeout: Sets the screen timeout. Choose from **15 sec**, **30 sec**, **1 min**, **2 min**, **5 min**, **10 min**, **15 min**, **30 min**, and **Keep screen turned on**.


RECOGNITION


Touch control areas: Tap the **Touch control areas** switch  (at the upper-right corner of the screen) to toggle it On or Off. On allows you to select an area of the screen to limit touch control. Press the **Volume Down Key** and tap the **Home Key** at the same time to activate and deactivate this feature.

SYSTEM

Auto-rotate screen: Checkmark to allow the phone to rotate the screen depending on the phone orientation (portrait or landscape).

Password voice confirmation: Checkmark so that your phone can read passwords you enter.

Power key ends call: Checkmark so that you can end voice calls by pressing the **Power/Lock Key**  (on the back of the phone). When enabled, pressing the **Power/Lock Key** during a call does not lock the screen.

Accessibility settings shortcut: Sets quick, easy access to selected features when you triple-tap the **Home Key**  (in the Touch Keys bar). Choose from **Off**, **Show all**, **TalkBack**, **Invert colors**, **Touch assistant** and **Accessibility settings**.

One-touch input: Checkmark to enable one-touch input. It allows each finger touch to enter letter or character on the LG keyboard.

SERVICES

Switch Access: Allows you to control your device using configurable key combinations.


Accessory

QuickWindow case: Tap to activate the QuickWindow case to use functions available on the small view window.

Car Home: Checkmark to automatically set the phone to the Car Home mode when it's mounted in the car cradle.

Printing

PRINT SERVICES

Cloud Print: Tap the **Cloud Print** switch  to toggle it On or Off. This feature allows you to use the Google Cloud Print feature and print via the cloud.

About phone

This menu allows you to manage your software updates and view various information relating to your device.

Phone name: Tap to edit your phone name.

Network: Allows you to view your Network, Network type and strength, Service state, Roaming state, Mobile network state, and IP address.

Status: Allows you to view your phone number, PRL Version, ERI version, IMEI, IMEISV, ICCID, IMS registration status, and Last factory data reset.

Battery: Allows you to view Battery status, Battery level, and Battery use.

Hardware info: Allows you to view Model number, Up time, Lifetime calls, Warranty Date Code, Hardware version, Wi-Fi MAC address and Bluetooth address.

Software info: Allows you to view Android version, Baseband version, Kernel version, Build number, Configuration version, Software version, and Software status.

Legal information: Allows you to view LG apps rights agreement, open source licenses and Google legal information.

Patent information: Displays LG patent information.

Regulatory and Safety: Allows you to view the regulatory and safety information.

System updates

Allows you to check for Android system software updates and other current 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 questions about return or exchange policies, consult your service provider or phone retailer.

FCC Part 15 Class B Compliance

This device and its accessories comply with part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device and its accessories may not cause harmful interference, and (2) this device and its accessories must accept any interference received, including interference that causes undesired operation.

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.

Don't use the phone with a damaged antenna. A damaged antenna could cause a minor skin burn. Contact your local dealer for a replacement antenna.

FCC RF Exposure Information

WARNING! Read this information before operating the phone.

In August 1996, the Federal Communications Commission (FCC) of the United States, with its action in Report and Order FCC 96-326, adopted an

updated safety standard for human exposure to Radio Frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.

Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 0.39inches (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. Third-party 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.

Vehicle-Mounted External Antenna

(Optional, if available.)

To satisfy FCC RF exposure requirements, keep 8 inches (20 cm) between the user / bystander and vehicle-mounted external antenna. For more information about RF exposure, visit the FCC website at www.fcc.gov.

FCC Notice and Cautions

This device and its accessories comply with part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device and its accessories may not cause harmful interference, and (2) this device and its accessories must accept any interference received, including interference that causes undesired operation.

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.

Don't use the phone with a damaged antenna. A damaged antenna could cause a minor skin burn. Contact your local dealer for a replacement antenna.

Part 15.19 statement

This device complies with part 15 of 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 you experience interference with reception (e.g., television), determine if this equipment is causing the harmful interference by turning the equipment off and then back on to see if the interference is affected. If necessary, try correcting the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The phone by LG operates on Verizon's 4G 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.

Wi-Fi Caution

This device is capable of operating in 802.11a/n mode. For 802.11a/n devices operating in the frequency range of 5.15 - 5.25 GHz, they are restricted for indoor operations to reduce any potential harmful interference for Mobiles Satellite Services (MSS) in the US.

Wi-Fi Access Points that are capable of allowing your device to operate in 802.11a/n mode(5.15 - 5.25 GHz band) are optimized for indoor use only.

If your Wi-Fi network is capable of operating in this mode, please restrict your Wi-Fi use indoors as to not violate federal regulations to protect Mobile Satellite Services.

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 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 für 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 value for this model phone when tested for use at the ear is 0.81 W/kg and when worn on the body, as described in this user guide, is 1.06 W/kg (body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID ZNFVS980. Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) website at <http://www.ctia.org/>.

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

protection for the public and to account for any variations in measurements.

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

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

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

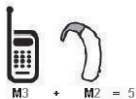
The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users to find phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

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

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

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



In the 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 FCC Rules. The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

When you’re talking over the cell phone, it’s recommended you’d turn the BT (Bluetooth) mode off for HAC.

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on

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

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 noise-cancelling headphones to block out background environmental noise.
- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as 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-Ionizing Radiation Protection

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

The design of your phone complies with the FCC guidelines (and those standards).

Antenna Care

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

Phone Operation

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

Tips on Efficient Operation

For your phone to operate most efficiently:

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

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.

Caution

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

- Do not disassemble or open crush, bend or deform, puncture or shred.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard. Such conditions may present the risk of fire or explosion.
- Only use the battery with a charging system that has been approved and qualified with the system per IEEE-Std-1725-2006. Use of an unqualified and non-LG-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- Avoid dropping the phone. If the phone 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 horizontally 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 pack 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 of the specified charger for the charging method.
- 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.
- Never store your phone in temperatures less than -4°F or greater than 122°F.
- The charging temperature range is regulated between 32°F (0°C) and 113°F (45°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.
- The embedded battery pack has a protection circuit to avoid dangerous malfunctions. Do not use your device near places which may generate more than 100V of static electricity because it could damage the

protection circuit. If the protection circuit is damaged, the battery could rupture, generate smoke, or catch on fire.

- If skin or clothing is smeared with liquid from the internal 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 it is being charged. It may cause an electric shock or seriously damage your phone.
- The charger and adapter are intended for indoor use only.
- Insert the battery pack charger horizontally into the wall power socket.
- Only use the approved battery charger. Otherwise, you may cause serious damage to your phone due to the risk of overheating, fire, or explosion.
- Use the correct adapter for your phone when using the battery charger abroad.
- Talking on your phone for a long 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. This could cause a fire.
- Do not place or answer calls while charging the phone as it may short-circuit the phone and/or cause electric shock or flame.
- Don't short-circuit the battery. Metallic articles (such as a coin, paperclip, or pen in your pocket or bag) may short-circuit the battery. Short-circuit may damage the battery and cause an explosion.

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 use the phone if the antenna is damaged. If a damaged antenna contacts skin, it may cause a slight burn. Please contact an LG Authorized Service Center to replace the damaged antenna.
- Do not immerse your phone in water, 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 authority to take action if wireless phones are shown to emit Radio Frequency (RF) energy at a level that is hazardous to the user. In such a case, the FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace, or recall the phones so that the hazard no longer exists.

Although the existing scientific data 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:

1. Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and

memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.

2. When available, use a hands-free device. A number of hands-free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.
3. Make sure you place your wireless phone within easy reach and where you can reach it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voicemail answer it for you.
4. Suspend conversations during hazardous driving conditions or situations. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.
5. Don't take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a "to-do" list while driving a car, you are not watching where you are going. It is common sense. Do not get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light, or otherwise stationary. But if you need to dial while driving, follow this simple tip – dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix; they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.

8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations – with your phone at your side, help is only three numbers away. Dial 911 or other local emergency number in the case of fire, traffic accident, road hazard, or medical emergency. Remember, it's a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a "Good Samaritan" in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 911 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special wireless non-emergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you can still use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

The above tips are meant as general guidelines. Before deciding to use your mobile device while operating a vehicle, it is recommended that you consult your applicable jurisdiction's local laws or other regulations regarding such use. Such laws or other regulations may prohibit or otherwise restrict the manner in which a driver may use his or her phone while operating a vehicle.

Cautions

- ▶ The user interface of Google applications (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 applications only operate correctly with phones that have a specific screen resolution.

Please be advised that some of the applications on the Play Store may not be available for your phone due to LCD resolution requirement that

does not match your phone. In addition, please be aware that third party applications with programming defects may cause issues with your phone, including lock ups and resets.

- ▶ All of the contents, including content which you create or download, will be deleted after a factory reset.



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
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






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

CATEGORY	SUB-CATEGORY	QUESTION	ANSWER
Bluetooth	Bluetooth Devices	What are the functions available via Bluetooth?	Stereo/Mono Headset, Car Kit, and FTP connections are available. When your phone connected to another phone via Bluetooth, you can receive Contacts data.
Bluetooth	Bluetooth Headset	If my Bluetooth headset is connected, can I listen to my music through my 3.5mm wired headphones?	When a Bluetooth headset is connected, all system sounds are played over the headset. As a result, you will not be able to listen to music through your wired headphones.
Data	Contacts Backup	How can I back up Contacts?	The Contacts data can be synchronized between your phone and Gmail™.
Data	Synchronization	Is it possible to set up one-way-sync with Gmail?	Only two-way synchronization is available.
Data	Synchronization	Is it possible to synchronize all of the Email folders?	All of your Email folders are synchronized. Tap the Menu Key  (in the Front Touch Keys bar), then tap Folders to view them.
Data	Synchronization	Is it possible to transfer Contacts data from a feature phone to an Android™ phone?	Yes, if your contacts can be extracted into a .CSV file. How to transfer: 1. Create “.CSV” file with the contacts on your current phone (you may be able to use the PC suite software provided by LGE). 2. Log into Gmail with your PC. 3. Click Contacts . 4. Click Import . 5. Attach the “.CSV” file. 6. Your contacts will then be synchronized between your Android phone and Gmail.











CATEGORY	SUB-CATEGORY	QUESTION	ANSWER
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 application (instead of the Chrome application).
Phone Function	Email	What happens when I access another application while writing an email?	Your email is automatically saved as a draft when you access another application. It is still displayed when you return to Email, until you close the Email application. When you open the Email application again, from your Inbox, tap the Menu Key  (in the Front Touch Keys bar), then Folders > 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 is no file size limitation.
Phone Function	Navigation	Is it possible to install another navigation application on my phone?	Any application that is 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.

CATEGORY	SUB-CATEGORY	QUESTION	ANSWER
Phone Function	Wait and Pause	Why don't my phone numbers with Wait and Pause work?	<p>If you transferred a contact with the Wait and Pause functions saved into the number, you will need to re-save each number to use these features.</p> <p>To re-save numbers with Wait and Pause</p> <ol style="list-style-type: none"> 1. From the Home screen, tap the Phone Key  in the Quick Keys bar. 2. Dial the number, then tap the Menu Key  (in the Front Touch Keys bar). 3. Tap Add 2-sec pause or Add wait, enter the remaining numbers, then tap New contact or Update contact to save the number.
Phone Function	Security	What are the phone's security functions?	You are able to set the phone to require the entry of an unlock sequence (pattern, PIN, or password) before the phone can be accessed or used.
Phone Function	Unlock Pattern	What should I do if I forget my Unlock Pattern?	After attempting the Unlock Pattern 5 times, you can tap the Forgot Pattern? option and use your Google Account information or Backup PIN to unlock your phone.
Phone Function	Unlock Pattern	How do I create the Unlock Pattern?	<ol style="list-style-type: none"> 1. From the Home screen, tap the Menu Key  (in the Front Touch Keys bar). 2. Tap Lock screen settings. 3. Tap Select screen lock. 4. Tap Pattern. The first time you do this, a short tutorial about creating an unlock pattern appears. 5. Set up by drawing your pattern once, tap Continue, draw it again, then tap Confirm.

CATEGORY	SUB-CATEGORY	QUESTION	ANSWER
Phone Function	Speed Dial	Is Speed Dialing supported?	<p>Yes. You can set Speed Dials as well as save a contact directly on your Home screen.</p> <p>To set a Speed Dial:</p> <ol style="list-style-type: none"> 1. Open the Contacts application. 2. Tap the Menu Key  (in the Front Touch Keys bar) > Speed dial. 3. Tap the speed dial location and select the desired contact. <p>To set a Direct Dial shortcut to your Home screen:</p> <ol style="list-style-type: none"> 1. Touch and hold an empty area on your Home screen. 2. Tap the Widgets tab > Direct dial. 3. Tap the contact in your Contacts list.
Phone Function	Memory	Will I know when my memory is full?	Yes, you will receive a notification.
Phone Function	Language Support	Is it possible to change the language?	<p>The phone has multi-lingual capabilities.</p> <p>To change the language:</p> <ol style="list-style-type: none"> 1. From the Home screen, tap the Menu Key  (in the Front Touch Keys bar) > Settings. 2. Tap Language & input > Language. 3. Tap the desired language. <p>NOTE To set multiple languages for your on-screen keyboard, from the Language & input screen, tap the Settings icon  (next to LG Keyboard), tap Input language and keyboard layout, then checkmark the languages you want to be able to type.</p>
Phone Function	Language Support	Which languages are supported when using Play Store?	The Play Store application supports English and Spanish. Third party applications may not support all languages.

CATEGORY	SUB-CATEGORY	QUESTION	ANSWER
Phone Function	VPN	How do I set up a VPN?	VPN access configuration is different according to each company. To configure VPN access from your phone, you must obtain the details from your company's network administrator.
Phone Function	Screen time out	My screen turns off after only 30 seconds. How can I change the amount of time for the backlight to turn off?	<ol style="list-style-type: none"> 1. From the Home screen, tap the Menu Key  (in the Front Touch Keys bar). 2. Tap Settings > Display > Screen timeout. 3. Tap the preferred screen backlight timeout time. <p>NOTE You can also turn on the Smart screen and Smart video features to keep the screen from turning off when the device detects your eyes looking at the screen. From the Settings menu, tap Display, then checkmark Smart screen.</p>
Phone Function	Wi-Fi and 4G	When Wi-Fi and 4G are both available, which service will my phone use?	<p>When using data, your phone may default to the Wi-Fi connection (if Wi-Fi connectivity on your phone is set to On). However, there will be no notification when your phone switches from one to the other.</p> <p>To know which data connection is being used, use the 4G  or Wi-Fi icon  in the Status Bar at the top of your screen.</p>
Phone Function	Home screen	Is it possible to remove an application from the Home screen?	Yes. Just touch and hold the icon until the Remove bar appears at the top of the screen. Then, without lifting your finger, drag the icon to the Remove bar, then lift your finger.
Phone Function	Application	I downloaded an application and it causes a lot of errors. How do I remove it?	<ol style="list-style-type: none"> 1. From the Home screen, tap the Menu Key  (in the Front Touch Keys bar). 2. Tap Settings > Application manager. 3. Tap the application > Uninstall.

CATEGORY	SUB-CATEGORY	QUESTION	ANSWER
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. Touch and hold a song in a library list. In the Context menu that opens, tap Set as ringtone .
Phone Function	Alarm	Will my alarm be audible or will it go off if the phone is turned off?	No, this is not supported.
Phone Function	Alarm	If my Ringer Volume is set to Off or Vibrate , will I hear my alarm?	Your alarm is programmed to be audible even in these scenarios.
Phone Spec	Battery Time	What is the maximum amount of time my phone's battery will last before I need to recharge it?	Talk time: Approx. 1150 mins Standby: Approx. 11.5 days
Phone Spec	Band	Which wireless bands are supported by the phone?	Your phone is able to operate on the 800MHz, 1900MHz.

CATEGORY	SUB-CATEGORY	QUESTION	ANSWER
Recovery Solution	Factory Reset	How can I perform a factory reset if I can't access the phone's Settings menu?	<p>How to perform a factory reset:</p> <ol style="list-style-type: none"> 1. Turn the phone off. 2. Press and hold the following keys at the same time: Volume Down Key  + Power/Lock Key  on the back of the phone. 3. Release the Power/Lock Key  only when the LG logo is displayed, then immediately press and hold the Power/Lock Key  again. 4. Release all keys when the Factory hard reset screen is displayed. 5. Press the Volume Down Key  to highlight Yes, then press the Power/Lock Key  to continue. 6. Press the Volume Down Key  to highlight Yes once more, then press the Power/Lock Key  to confirm. 7. Your phone will perform a factory reset. <p>NOTE To cancel and reboot your phone, select the No (Exit) option.</p> <p>Attention:</p> <p>If a factory reset is performed, all installed applications and user data will be erased. Please remember to back up any important data before performing a factory reset.</p>
	Power Reset	Phone is locked-up and does not function	<p>In the case of a malfunction or lock up error, press and hold the Power/Lock Key  for 8 seconds to reset the phone.</p> <p>To power off, press and hold the Power/Lock Key  2 seconds longer.</p>

1. WHAT THIS WARRANTY COVERS:

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

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

2. WHAT THIS WARRANTY DOES NOT COVER:

- (1) Defects or damages resulting from use of the product in other than its normal and customary manner.
- (2) Defects or damages from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of LG, including damage caused by shipping, blown fuses, spills of food or liquid.
- (3) Breakage or damage to antennas unless caused directly by defects in material or workmanship.
- (4) That the Customer Service Department at LG was not notified by consumer of the alleged defect or malfunction of the product during the applicable limited warranty period.

- (5) Products which have had the serial number removed or made illegible.
- (6) This limited warranty is in lieu of all other warranties, express or implied either in fact or by operations of law, statutory or otherwise, including, but not limited to any implied warranty of marketability or fitness for a particular use.
- (7) Damage resulting from use of non LG approved accessories.
- (8) All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal customer use.
- (9) Products operated outside published maximum ratings.
- (10) Products used or obtained in a rental program.
- (11) Consumables (such as fuses).

3. WHAT LG WILL DO:

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

4. STATE LAW RIGHTS:

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

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

5. HOW TO GET WARRANTY SERVICE:

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

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

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

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

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

DO NOT RETURN YOUR PRODUCT TO THE ABOVE ADDRESS.

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

7.11 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 seq],
- The California Uniform Commercial Code, Division Two [Com C §§2101 et seq], and
- The federal Magnuson-Moss Warranty Federal Trade Commission Improvement Act [15 USC §§2301 et seq; 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.]

The Consumer Warranty Act does not affect the rights and obligations of parties under the state Uniform Commercial Code, except the provisions of the Act prevail over provisions of the Commercial Code when they conflict. [CC §1790.3.]

For purposes of small claims actions, this course will focus on rights and duties under the state laws.

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