LG
Life's Good

ENGLISH

USER GUIDE

LM-Q730VM

OS: Android 10

Copyright ©2020 LG Electronics Inc. All rights reserved.

BC

MFLXXXXXXXX (1.0)

www.lg.com

Before you begin using your new phone

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

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

Important Customer Information.....1

Table of Contents 2

Feature Highlight 5

Camera features..... 5
Google Assistant 8
Fingerprint recognition 9
Multi-tasking feature 13

The Basics 15

Phone Overview.....15
Installing the SIM card and memory card 19
Removing the memory card.....20
Charging Your Phone 21
Turning Your Phone On and Off 23
Touch Screen 24
Getting to Know the Home Screen 27
Setting Your Lock Screen 36
Memory card encryption 38
Entering text 39
Capturing a Screenshot.....44
Content sharing.....44

Useful App 46

App Shortcuts 46
Audio recording features..... 47
Calculator..... 47
Camera.....48
Clock.....63
Contacts.....65
Gallery 69
Game launcher 70
Messaging..... 71
Music 74
ThinQ..... 75
Phone 76
QuickMemo+ 82

Voicemail 85
Google Apps 86

Settings 88

Settings 88
Network & internet 88
Connected devices 93
Sound 96
Display 98
Lock screen & security 101
Privacy 104
Location 105
Extensions 106
Digital Wellbeing & parental controls 108
Apps & notifications 108
Battery 109
Storage 110
Accounts 110
Google 110
System 111
System updates 113
Accessibility 113

Appendix 116

Phone software update 116
Anti-Theft Guide 117
Open Source Software Notice Information 117
Regulatory Information (FCC ID number, etc.) 118
Trademarks 118
More information 118

Safety.....120
Safety Information 120
Consumer Information about Radio Frequency Emissions..... 121
Consumer Information on SAR 124
FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices. 126
Caution! Avoid Potential Hearing Loss 128
TIA Safety Information..... 129
Part 15.19 Statement 132
Part 15.21 Statement 132
Part 15.105 Statement..... 132
Safety Information 133
FDA Consumer Update 137

LIMITED WARRANTY - USA 150

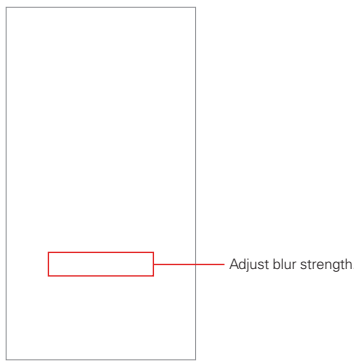
Camera features

Portrait

You can create an artistic portrait photo, whereby the subject is in focus and the background is blurred. You can also edit the image by applying lighting or color effect to the background.

NOTES
- While taking a photo, keep the distance to your subject to 1.3 ~ 5 feet.
- This feature is not available if the surroundings are too dark.

1. On the home screen, tap **Camera**, and tap **Portrait**.
2. Drag the slide bar to the left or right to adjust the blur strength.



3. When **Portrait is available.** appears on the screen, tap **Capture** to take a photo.
   - The Portrait feature may not work if the camera cannot recognize the subject.

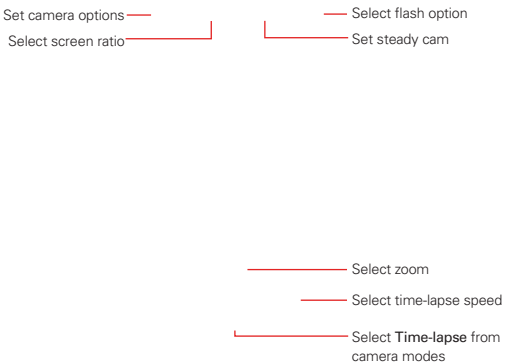
Timelapse Control

You can record **Time-lapse** videos optimized for the situation.

Videos can be recorded with optimal speed and steady motion by analyzing various shooting environments. The time-lapse speed can be automatically adjusted according to the shooting target and environment.

You can also select the time-lapse speed manually.

1. Tap **Camera** and select **More** by swiping camera modes.
2. Tap **Time-lapse**.



3. Tap **Record** to record a video.
   - You can change a zoom and time-lapse speed while recording.
   - To pause the recording, tap **Pause**. To resume the recording, tap **Record**.
4. Tap **Stop** to stop recording.
   - The recorded video will be saved in Gallery.

NOTE Audio is not recorded during **Time-lapse** recording.

Night view

You can take vivid and clear night photos even in low light conditions by using the **Night view** feature.

1. Tap **Camera** and select **More** by swiping camera modes.
2. Tap **Night view**.
3. Tap **Capture** to take a photo.
   - To adjust the brightness of the photo, slide **Night view** left or right.

Set camera options

Set timer

Adjust brightness

NOTE Hold the camera steady and firm while taking a photo.

DTS:X 3D Surround

The 3D surround sound feature allows you to enjoy stereophonic and immersive sound while playing or video.

▸ Tap **Settings** > **Sound** > **Sound quality and effects** > **DTS:X 3D Surround** and tap **ON/OFF** to activate it.

NOTE You must connect an external audio device by wire to use this feature, which does not support wireless devices or **Bluetooth®** devices.

Google Assistant

Google Assistant overview

Your device has the built-in Google Assistant feature. Find answers and get things done while on-the-go.

NOTE To use this feature, first connect to the network and sign in to your Google Account.

Sign in

1. Press the Google Assistant key on the left side of the device.
   or
   Swipe diagonally from a bottom edge of the screen.
2. Tap **GET STARTED**.
3. Follow the on-screen instructions.
   ▸ The device saves your voice data for recognition.
4. Set whether to use the voice match unlock function.
   ▸ If you use the voice match unlock function, you can unlock the device even when the device screen is turned off or the device is charging by saying "**OK Google**" or "**Hey Google.**".

NOTES
- This feature may be more vulnerable to security than the other screen locks, such as Pattern, PIN, and Password.
- When a similar voice or your recorded voice is used, the screen may be unlocked.
- To use this feature, tap **Settings** > **Lock screen & security** > **Secure lock settings** > **Smart Lock**, and then use the screen lock method you set to unlock the device. Tap **Voice Match** > **Unlock with Voice Match**, and tap **ON/OFF**, then enter the currently used unlock method again. Note that Swipe is excluded.
- You need to unlock the device by using the specified method if you fail to unlock the device with voice recognition. See *Setting a Screen Lock* for details.

5. Tap **Save**.

Accessing by Voice

1. When the home screen is turned off or locked, say "**OK Google**" or "**Hey Google**".
2. When the Google Assistant screen appears, say a command or ask a question.

Accessing from Home Screen or Any Other Screen

1. Press the Google Assistant key on the left side of the device.
   or
   Swipe diagonally from a bottom edge of the screen.
2. Say a command or question when you see • • • • on the bottom of the screen.

NOTE Voice recognition accuracy may decrease if you speak with an unclear voice or in a noisy place. When you use the voice recognition feature, increase its accuracy by speaking with a clear voice in a quiet place.

Fingerprint recognition

Fingerprint recognition overview

You must register your fingerprint on your device first before using the fingerprint recognition function.

You can use the fingerprint recognition function in the following cases:

- To unlock the screen.
- To view locked contents in **Gallery** or **QuickMemo+**.
- Confirm a purchase by signing in to an app or identifying yourself with your fingerprint.

NOTE Your fingerprint can be used by the device for user identification. Very similar fingerprints from different users may be recognized by the fingerprint sensor as the same fingerprint.

Precautions for fingerprint recognition

Fingerprint recognition accuracy may decrease due to a number of reasons. To maximize the recognition accuracy, check the following before using the device.

- The device has a fingerprint sensor. Ensure that the fingerprint sensor is not damaged by a metallic object, such as coin or key.
- If you replace the protective film on the product with a polarized film that diffuses the light or a film that is too thick, it may decrease the fingerprint recognition rate.
- If there are foreign substances (sweat, lotion, water, dirt, grease, etc.) on the fingerprint sensor or on the finger to be put on the sensor, fingerprint recognition may not work properly. Wipe the sensor and the finger clean and remove all moisture before putting the finger on the sensor.
- If the finger's surface is rough due to it being scarred or pruney from water, the sensor may not be able to recognize the fingerprint. In such a case, register another finger's fingerprint.
- If you bend your finger or use the fingertip only, your fingerprint may not be recognized. Make sure that your finger covers the entire surface of the fingerprint sensor.
- Scan only one finger for each registration. Scanning more than one finger may affect fingerprint registration and recognition.
- The device may generate static electricity if the surrounding air is dry. If the surrounding air is dry, avoid scanning fingerprints, or touch a metallic object such as a coin or a key before scanning fingerprints to remove static electricity.

Registering fingerprints

You can register and save your fingerprint on the device to use fingerprint identification.

1. On the home screen, tap **Settings** > **Lock screen & security** > **Fingerprints**.

NOTES
- This feature is available only when the screen lock is set.
  - Lock the device with a Pattern, PIN or Password.
- If the screen lock is not set, enable it by following the on-screen instructions. See *Setting a Screen Lock* for details.

2. Check the location of the fingerprint sensor at the bottom center of the screen, and lightly place your finger on the sensor.

NOTE Make sure that the finger fully covers the fingerprint sensor.

3. Follow the on-screen instructions.
   - Place your finger on the sensor and hold it until you feel a vibration.
   - Move the same finger around on the sensor a little by little until the fingerprint registration is complete.
4. When the fingerprint registration is done, tap **OK**.
   - Tap **Add more** to register another fingerprint. If you register only one fingerprint and the corresponding finger is not in a good condition, the fingerprint recognition may not work well. As a preventative measure, register multiple fingerprints.

Managing fingerprints

You can edit or delete registered fingerprints.

1. On the home screen, tap **Settings** > **Lock screen & security** > **Fingerprints**.
2. Unlock according to the specified lock method.
3. From the fingerprint list, tap a fingerprint to rename it. To delete it, tap **Delete**.

Displaying the fingerprint icon when the screen is off

You can set to display the fingerprint sensor location on the screen when the screen is off.

1. On the home screen, tap **Settings** > **Lock screen & security** > **Fingerprints**.
2. Unlock according to the specified lock method.
3. Tap **Tap to show icon when screen** is off to enable the option.

Unlocking the screen with a fingerprint

You can unlock the screen or view locked content by using your fingerprint. Activate the desired function:

1. On the home screen, tap **Settings** > **Lock screen & security** > **Fingerprints**.
2. Unlock according to the specified lock method.
3. On the fingerprint settings screen, activate the desired function:
   - **Screen lock**: Unlock the screen with a fingerprint.
   - **Content lock**: Access locked contents in Gallery and QuickMemo+ with a fingerprint.

Multi-tasking feature

Recent Uses Screen

Swipe the Home button — upward and hold to view the recent use history.

Pop-up window

Pop-up window overview

You can open multiple apps on the screen and easily switch between them at any time.

1. Swipe up — on from the bottom of the screen.
2. Tap the app icon on the top left of the app screen and select **Pop-up window**.
   - If you tap the app icon, the **App info**, **Multi window and Pop-up window** menus appear.
3. The app appears in the form of a pop-up window on the screen.

NOTE This feature may not be available in some apps or screens.

Multi window

When using gesture navigation

1. Swipe — **Multi-window bar** up on from the bottom of the screen.
   - Recently-used apps appear.
   - If you tap the app icon, the **App info**, **Multi window**, **Pop-up window**, **Pin app** menus appear.

2. Tap the app icon on the top left of the app to be displayed in the multiwindow and select **Multi window**.
   - The selected app appears on the upper half of the screen.
3. Swipe the recently used apps left or right and tap an app to display on the lower half of the screen.
   - The selected app appears on the lower half of the screen.

When using buttons only navigation bar

1. Tap ▢ **Recent apps** on the navigation bar.
   - Recently-used apps appear.
     If you tap the app icon, the **App info**, **Multi window**, **Pop-up window**, **Pin app** menus appear.

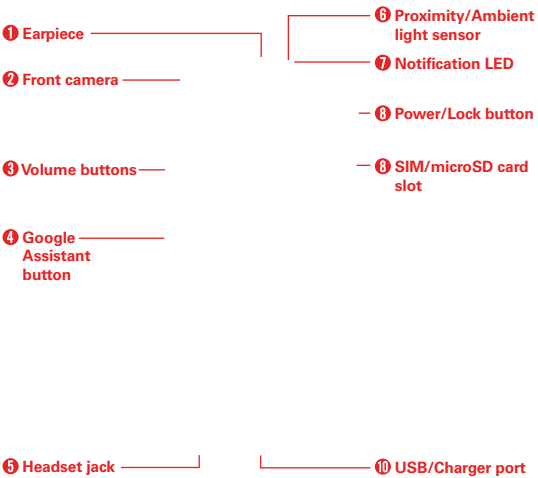
2. Tap the app icon on the top left of the app to be displayed in the multiwindow and tap **Multi window**.
   - The selected app appears on the upper half of the screen.
3. Swipe the recently used apps left or right and tap an app to display on the lower half of the screen.
   - The selected app appears on the lower half of the screen.

NOTES

- To adjust the size of the split screen, drag the dividing bar — **Multi-window bar**. It is also possible to close the multi-window by dragging the dividing bar up or down to the end of the screen.
- The multi window feature is not supported in some LG apps or apps downloaded from the Play Store.

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.

WARNING!
- Some of the device parts are made of tempered glass. If you drop your device on a hard surface or subject it to severe impact, the tempered glass may be damaged. If this happens, stop using your device immediately and contact a LG Authorized Service Center.
- Your phone is an electronic device that generates heat during normal operation. Extremely prolonged, direct skin contact in the absence of adequate ventilation may result in discomfort or minor burns. Therefore, use care when handling your phone during or immediately after operation.

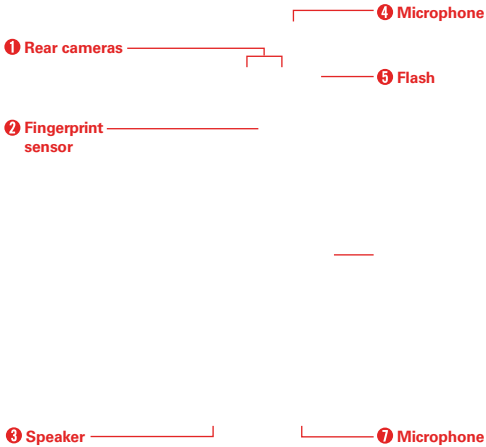
1. Earpiece Lets you hear callers and automated prompts.

2. **Front camera** Use to take pictures and record videos of yourself. You can also use this for video chatting. Keep the lenses clean for optimal performance.
3. **Volume buttons** Press to adjust the ringer, the media volumes, or the in-call volume during a call. They can also activate the camera shutter and access shortcuts when enabled in the Settings menu.
4. **Google Assistant button** Your device has Google Assistant built in. Find answers and get things done while on-the-go. To get started, just press the Google Assistant key on the side of the phone. Press and hold the key to quickly talk to your Assistant. Press the key twice to open Google Lens. See *Google Assistant* for details.
5. **Headset jack** Allows you to plug in an optional headset for convenient, hands-free conversations or recording your voice using the HD Audio Recorder app. You can also plug in headphones to listen to music.
6. **Proximity/Ambient light sensor** Senses proximity toward other objects (such as your head) so that tap commands are not accidentally activated during a call or when carried inside a pocket. It also employs an ambient sensor which measures the surrounding light and adjusts the LCD brightness to provide a vivid screen.

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

7. **Notification LED** It blinks when the device is turning on/off, in use and on a call.
8. **SIM/microSD card slot** Insert the SIM card and an optional memory card (not included) for file storage.
9. **Power/Lock button** Press to turn off the screen backlight and lock the screen, or turn the screen backlight back on. Press and hold to turn the phone on/off, restart, or activate/deactivate Airplane mode.
10. **USB/Charger port** Allows you to connect the phone and the USB Type-C cable for use with the charger adapter, or other compatible accessories.

Rear View



NOTE Press and hold the volume down button and Power/Lock button at the same time for a second to take a screenshot.

WARNING! **Don't attempt to remove the back cover.**

This device has a non-removable battery. Do not attempt to remove the back cover. Doing so may severely damage the battery and device, which could cause overheating, fire, and injury.

1. Rear cameras Use to take photos and record videos. Keep the lenses clean for optimal performance.
2. Fingerprint sensor Allows you to record and use fingerprints to secure your phone.
3. Speaker Use to listen to audio (e.g., music, videos, sound clips, speakerphone, etc.) from the rear speaker instead of the earpiece.

NOTE Hold the device correctly as shown below. If you cover the microphone hole with a hand, finger, or protective case while using the device, you may sound unclear during a call.

Good example	Bad example
Microphone	Do not cover the microphone.
Microphone	Do not cover the microphone.

4. **Microphone** Transmits your voice to the other caller. It's also used for voice-activated functions.
5. **Flash** Brightens up when taking photos or recording videos in low-light environments.
6. **Microphone** Transmits your voice to the other caller. It's also used for voice-activated functions.

Installing the SIM card and memory card

Insert the SIM card from your mobile service provider and the separately purchased memory card into the device.

NOTES

- Your phone already has a SIM card installed.
- In order for the water-resistant and dust-resistant features to work effectively, the card tray must be inserted correctly.

1. Insert the ejection pin into the hole in the card tray and then pull out the card tray from the device.

2. Place the SIM card or memory card on the card tray and then insert the card tray into the device in the direction of the arrow.

NOTES

- Do not lose your SIM card. LG is not responsible for damage and other issues caused by loss or transfer of a SIM card.
- Be careful not to damage the SIM card when you insert or remove it.
- When you insert the SIM card or memory card, place it on the card tray correctly.
- When you insert the card tray back into the device, insert it horizontally in the direction of arrow as shown in the figure. Make sure that the card placed on the card tray does not move out of its position.
- Insert the SIM card with the gold-colored contacts facing downwards.
- Be sure to insert the SIM card into the device by following the instructions in the user manual.
- If you insert to or remove the card tray from the device, be careful not to let water or other liquids enter into the card tray. If a wet card tray or card is inserted into the device, your device may get damaged.
- Memory card is an optional item.
- Frequent writing and erasing of data may shorten the memory card lifespan.
- Some memory cards may not be fully compatible with the device. If you use an incompatible card, it may damage the device or the memory card, or corrupt the data stored in it.

Removing the memory card

Unmount the memory card before removing it for safety.

1. On the home screen, tap **Settings** > **Storage** > **Eject**.
2. Insert the ejection pin into the hole in the card tray and then pull out the card tray from the device.
3. Remove the memory card from the card tray.
4. Insert the card tray back into the slot.

WARNING! Do not remove the memory card while the device is transferring or accessing information. This may cause data to be lost or corrupted, or may damage the memory card or the device. LG is not responsible for losses that result from the abuse or improper use of memory cards, including the loss of data.

Charging Your Phone

Before using the device, fully charge the battery.

Charge the device with the USB Type-C cable.

WARNING!

- Do not charge while the device or charging cable is wet or contains moisture. This can cause fire, electric shock, injury or damage to device.
- Make sure to use the USB cable provided with your device.
- Make sure to use an LG-approved charger and charging cable. Charging the battery with a third-party charger may cause the battery to explode or may damage the device.
- Your device has an internal rechargeable battery. For your safety, do not remove the embedded battery.
- Using the device when it is charging may cause electric shock. To use the device, stop charging it.

NOTES

- Remove the charger from the power socket after the device is fully charged. This prevents unnecessary power consumption.
- Another way to charge the battery is by connecting a USB cable between the device and a desktop or laptop computer. This may take a longer time than plugging the adapter to a wall outlet.
- Do not charge the battery by using a USB hub that is unable to maintain the rated voltage. Charging may fail or unintentionally stop.

1. The USB/Charger Type-C port is located at the bottom of the phone. Insert the cable's plug in the port.
2. Plug the charger adapter into a power outlet to begin charging.

Precautions when using the device

- Make sure to use the USB cable provided; do not use third party USB cables or chargers with your device. The LG limited warranty does not cover the use of third party accessories.
- Failure to follow the instructions in this guide and improper use may damage the device.

NOTES

- If the battery temperature exceeds a certain level while charging the device, charging may be stopped.
- If magnetic, metallic or conductive materials are attached on the back of the device or a protective case is inserted, the device may not charge properly.
- If you charge the battery with a wireless charger in areas where the network signal strength is weak, the network performance of your device may be further degraded.

Using the battery efficiently

Battery lifespan may decrease if you keep many apps and functions running simultaneously and continuously. Cancel background operations to increase battery life. To minimize battery consumption, follow these tips:

- Turn off the **Bluetooth®** or Wi-Fi network function when not using them.
- Set the screen timeout to as short a time as possible.
- Minimize the screen brightness.
- Set a screen lock when the device is not in use.
- Check the battery usage details and close any downloaded apps.

Turning Your Phone On and Off

Turning your phone on

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

NOTES

- When the device is turned on for the first time, initial configuration takes place. The first booting for the device may take longer than usual.
- A soft reset may be used to reset the device if the screen freezes, or the buttons, touch screen, or device are no longer responding. To perform a soft reset of your device, simply press and hold the Volume Down button and Power/Lock button until the device restarts.

Turning your phone off

1. Press and hold the Power/Lock button until the Phone options appear.
2. Tap **Power off**.
3. Tap **POWER OFF** to confirm that you want to turn off the phone.

Restarting the device

When the device is not working properly or does not respond, restart it by following the instructions below.

1. Press and hold the Power/Lock button and the Volume Down button at the same time until the power is turned off.
2. When the LG logo appears and then the device restarts, release the button.

Power control options

Press and hold the Power/Lock button, then select an option.

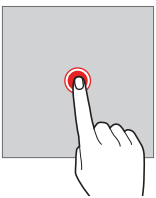
- **Power off**: Turn the device off.
- **Power off and restart**: Restart the device.
- **Turn on Airplane mode**: Block telecommunication-related functions, including making phone calls, messaging and browsing the Internet. Other functions remain available.

Touch Screen

You can familiarize yourself with how to control your device by using touch screen gestures.

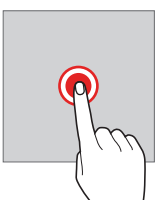
Tapping

Lightly tap with your fingertip to select or run an app or option.



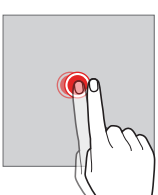
Touching and holding

Touch and hold for several seconds to display a menu with available options.



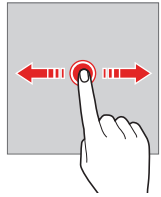
Double-tapping

Tap twice quickly to zoom in or out on a web page or map.



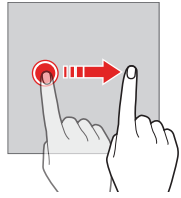
Dragging

Touch and hold an item, such as an app or widget, then move your finger to a desired location in a controlled motion. You can use this gesture to move an item.



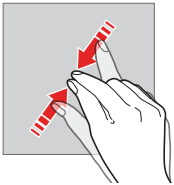
Swiping

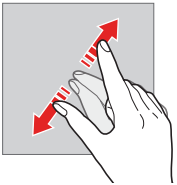
Touch the screen with your finger and move it quickly without pausing. You can use this gesture to scroll through a list, a web page, photos, screens, and more.



Pinching and spreading

Pinch two fingers to zoom out such as on a photo or map. To zoom in, spread your fingers apart.





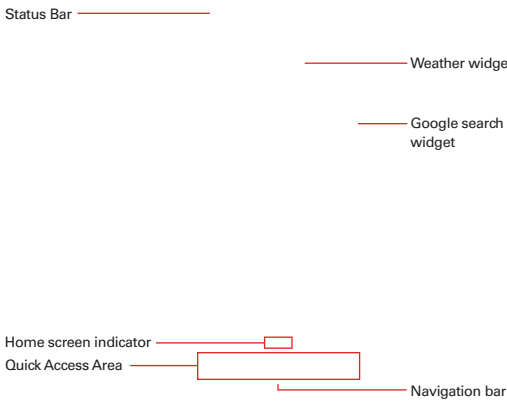
WARNING! Do not expose the touch screen to excessive physical shock. You might damage the touch sensor.

NOTES

- A touch screen failure may occur if you use the device near a magnetic, metallic or conductive material.
- If you use the device under bright lights, such as direct sunlight, the screen may not be visible, depending on your position. Use the device in a shady location or a location with an ambient light that is not too bright and bright enough to read books.
- Do not press the screen with excessive force.
- Gently tap with your fingertip on the desired option.
- The touch control may not work properly if you tap while wearing a glove or by using the tip of your fingernail.
- Touch control may not work properly if the screen is moist or wet.
- The touch screen may not function properly if a screen-protective film or accessory purchased from a third party store is attached to the device.
- Displaying a static image for extended periods of time may result in after images or screen burn-in. Turn off the screen or avoid displaying the same image for a long time when you do not use the device.

Getting to Know the Home Screen

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



NOTE The Home screen may vary, depending on the service provider or software version.

- **Status bar**: View status icons, the time and the battery level.
- **Weather widget**: View the information of weather and time for a specific area.
- **Google search widget**: Perform a Google search by inputting spoken or written keywords.
- **Home screen indicator**: Display the total number of Home screen canvases. You can tap the desired page icon to go to the page. The icon reflecting the current canvas will be highlighted.

- **Quick access area**: Fix main apps at the bottom of the screen so that they can be accessed from any Home screen canvas.
- **Navigation bar**: You can do some gestures to go to the Home screen, previous screen, Overview screen, or quickly switch between apps.

Going to the Home screen

To go to the Home screen, swipe up from the — **Navigation bar** on the bottom of the screen.

Swipe up to go to the Home screen

Navigation bar

NOTES

- **Gestures** style is set for the navigation bar by default.
- To change to the **Buttons only** option for the navigation bar, tap **Settings** > **Display** > **Navigation bar**, and then select **Buttons only**.

Changing the style of the Home touch buttons

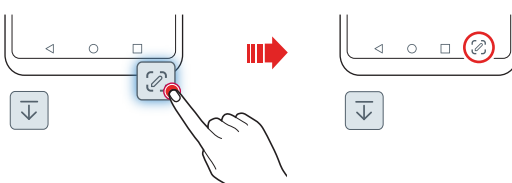
You can change the style of the Home touch buttons.

1. On the home screen, tap **Settings** > **Display** > **Navigation bar**.
2. Under **STYLE**, select **Gestures**, **Gesture and Buttons** or **Buttons only** to suit your preferences.
   - **Gestures**
     - Go to Home screen: Swipe up from the bottom edge of the screen.
     - Go back: Swipe in from the left or right edge of the screen.
     - Go to Overview screen: Swipe up and hold from the bottom edge of the screen.
     - Quick switch apps: Swipe right at the bottom edge of the screen to go to previously used apps.
   - **Gesture and Buttons**: Home button and Back button are available. To see recent apps, swipe the Home button up.
   - **Buttons only**: / / are available. Tap to see recent apps.

Modifying the Home touch buttons

You can change buttons displayed on the Home touch buttons bar, as well as their position.

1. On the home screen, tap **Settings** > **Display** > **Navigation bar**.
2. Select the modification you want to apply.
   - Tap **Button combination** to select Home touch buttons you want to add to the bar and their position within the bar. Choose from **Notification** and **Capture+** to add.



Status Bar

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.

Call icons

	In call		Missed call
	Speakerphone on		Microphone muted
	Video call		

Sound icons

	Do not disturb - Priority only		Do not disturb - Total silence
	Vibrate mode		Silent mode
	Music playing		Music paused

Network icons

	4G LTE connected		4G LTE in use
	Wi-Fi connected		Wi-Fi with no Internet
	Signal strength		No signal
	Roaming		Network extender
	No SIM card		Unknown SIM card
	Airplane mode		GPS on
	App update available		App update successful
	Downloading		Uploading
	Download successful		Emergency Alert

Connectivity icons

	Syncing		Mobile Hotspot on
	USB connected		USB debugging mode
	Bluetooth connected		Bluetooth on
	Bluetooth headset battery full		Bluetooth headset battery low
	NFC on		Headset connected
	Headset with microphone connected		Internal storage full

Email and Messaging icons

	New Gmail message		New message
	New voicemail		Message not sent

Calendar and Alarm icons

	Alarm set		Upcoming events

Battery icons

	Full battery		Fast Charging
	Charging battery		Wireless charging
	Low battery		Empty battery
	Not charging		

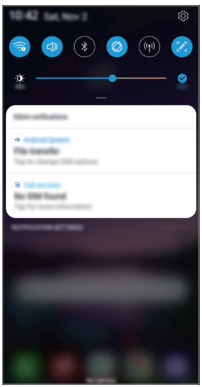
Other icons

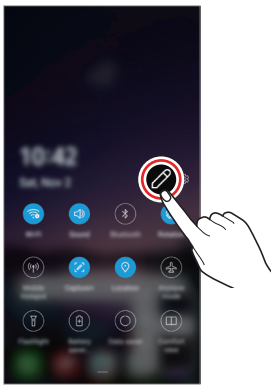
	More notifications		Screenshot saved
	Keyboard		

Notifications panel

You can open the notifications panel by dragging the status bar downward on the main screen.

- To open the quick access icons list, drag the notifications panel downwards.
- To rearrange, add, or remove icons, tap EDIT.
- If you touch and hold the icon, the settings screen for the corresponding function appears.





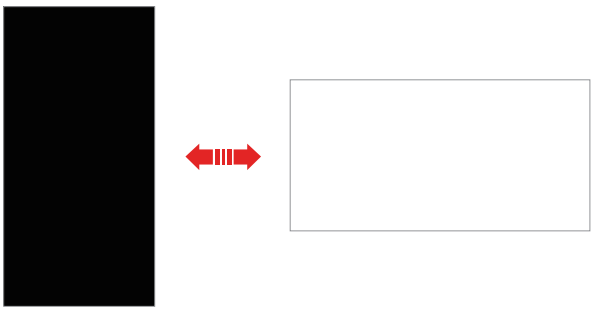
NOTE You can use the notifications panel even on the lock screen. Drag the notifications panel while the screen is locked to quickly access the desired features.

Switching the screen orientation

You can set the screen orientation to automatically switch according to the device's physical orientation.

On the notification panel, tap **Rotation** from the quick access icon list.

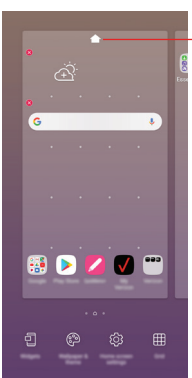
You can also tap **Settings** > **Display** and activate **Auto-rotate screen**.



Editing the Home screen

On the Home screen, touch and hold on an empty space, then select the desired action from below.

- To rearrange the Home screen canvases, touch and hold on a canvas, then drag it to a desired location.
- To add a widget to the Home screen, touch and hold on a blank area of the Home screen, then select **Widgets**.
- To change a wallpaper or theme, touch and hold on a blank area of the Home screen, then select **Wallpaper & theme**.
  You can also tap **Settings** > **Display** > **Home screen** > **Wallpaper & theme**, then select desired options under **Wallpaper** and **Theme** to apply to the device.
- To configure the Home screen settings, touch and hold on a blank area of the Home screen, then select **Home screen settings**.
- To change the app arrangement, touch and hold on a blank area of the Home screen, then select **Grid**.
- To change the default screen, touch and hold on a blank area of the Home screen, move to desired screen, tap **Default screen**, then tap the screen once more.



Using folders from the Home screen

Creating folders

On the Home screen, touch and hold an app, then drag it over another app.

- A new folder is created and the apps are added to the folder.

Editing folders

On the Home screen, tap a folder and do one of the following actions.

- To edit the folder name, tap the folder name.
- To add apps, touch and hold an app, then drag it over the folder and release it.
- To remove an app from the folder, touch and hold the app and drag it to outside the folder. If there is only one app remaining in the folder, the folder is removed automatically.
- You can also add or remove apps after tapping ⊕ **Add** in the folder.

NOTE You cannot change the folder color while using downloaded theme.

EasyHome screen version

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

On the home screen, tap **Settings** > **Display** > **Home screen** > **Select Home** > **EasyHome**.

The EasyHome Home screen has three panels.

Home with separate apps list

Home with separate apps list is another version of the Home screen that you can use on your phone. This version places all of your installed and downloaded apps in an Applications screen instead of on your Home screen panels. The **Apps** icon in the Quick Access Bar allows you to access all of your apps and you can just copy shortcuts of the desired apps to your Home screen.

- On the home screen, tap **Settings** > **Display** > **Home screen** > **Select Home** > **Home with separate apps list**.

Setting Your Lock Screen

Your device's screen turns off and locks itself if you press the Power/Lock button. This also happens after the device is left idle for a specified period of time. If you press the Power/Lock button when a screen lock is not set, the Home screen appears immediately. To ensure security and prevent unwanted access to your device, set a screen lock.

NOTE A screen lock prevents unnecessary touch input on the device screen and reduces battery consumption. We recommend that you activate the screen lock while not using the device.

Setting a Screen Lock

There are several screen lock options available.

1. On the home screen, tap **Settings** > **Lock screen & security**.
2. Tap **Select screen lock** and then select the desired method.
3. Customize the following settings.

   None: Deactivate the screen lock function.

   Swipe: Swipe on the screen to unlock the screen.

   Pattern: Draw a pattern to unlock the screen.

   PIN: Enter a numeric password to unlock the screen.

   Password: Enter an alphanumeric password to unlock the screen.

   Fingerprints: Unlock the screen by using your fingerprint.

KnockON

You can turn the screen on or off by double-tapping the screen.

NOTES

- This option is available only on the Home screen provided by LG. It may not function properly on a custom launcher or on the Home screen installed by the user.
- When tapping the screen, use your fingertip. Do not use a fingernail.
- To use the KnockON feature, make sure that the proximity/light sensor is not blocked by a sticker or any other foreign substance.

Turning the screen on

Double-tap the middle of the screen.

▸ Tapping the top or bottom of the screen may decrease the recognition rate.

Turning the screen off

Double-tap on an empty space on the Home screen and Lock screen.

You can also double-tap an empty space on the status bar.

Disabling the KnockON feature

You can disable the KnockON feature by using the following method:

On the home screen, tap **Settings** > **Extensions** > **KnockON** **ON/OFF** to deactivate this feature.

Memory card encryption

You can encrypt and protect data saved on the memory card. The encrypted data in the memory card cannot be accessed from another device.

1. On the home screen, tap **Settings** > **Lock screen & security** > **Encryption & credentials** > **Encrypt SD card**.
2. Read the on-screen overview of memory card encryption and then tap **CONTINUE** to continue.
3. Select an option and tap **ENCRYPT NOW**.
   - **New data encryption**: Encrypt only data that is saved on the memory card after encryption.
   - **Full encryption**: Encrypt all the data currently saved on the memory card.
   - **Exclude media files**: Encrypt all files, except for media files such as music, photos and videos.

NOTES

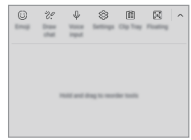
- Once memory card encryption starts, some functions are not available.
- If the device is turned off while encryption is underway, the encryption process will fail, and some data may be damaged. Therefore, be sure to check if the battery level is sufficient before starting encryption.
- Encrypted files are accessible only from the device where the files were encrypted.
- The encrypted memory card cannot be used on another device. To use the encrypted memory card on another mobile device, format the card.
- You can activate memory card encryption even when no memory card is installed into the device. Any memory card that is installed after encryption will automatically be encrypted.

Entering text

Using the Smart toolbar

You can use various keyboard input methods in one place. You can select the desired input method from the top of the keyboard.

1. Select the desired keyboard input method from the Smart toolbar.
2. Tap ∨ **Show**, then touch and drag each tool to reorganize as desired.



NOTES

- Some supporting input methods may differ depending on the device you have.
- You can turn on or off the Smart tool feature from the keyboard settings.

	Tap to hide the smart tools.
	Tap to add emojis.
	Tap to open Draw chat.
	Tap to enter text by using voice. • To maximize the voice command recognition, speak clearly. • To enter text with your voice, make sure that your device is connected to a network. • To select the language for voice recognition, tap **Settings** > **Languages** on the voice recognition screen. • This function may not be supported, or the supported languages may differ depending on the service area.
	Tap to access keyboard settings.
	Tap to open the clip tray. For more information, please see *Clip Tray*.
	Tap to let the keyboard float, when you use the Multi-window feature. You can also move the keyboard to the desired location.
	Tap to bring the smart tools back.

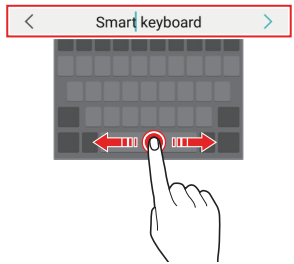
Using the Smart keyboard

You can use the Smart keyboard to enter and edit text.

With the Smart keyboard, you can view text as you type without bothering to alternate between the screen and a conventional keyboard. This allows you to easily find and correct errors when typing.

Moving the cursor

With the Smart keyboard, you can move the cursor to the exact position you want. When typing text, touch and hold on the space bar and then drag left or right.

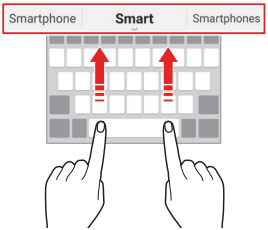


NOTE This option is available only on the QWERTY keyboard.

Suggesting words

Smart keyboard automatically analyzes your usage patterns to suggest frequently used words as you type. The longer you use your device, the more precise the suggestions are.

Enter text, then tap a suggested word.



- The selected word is automatically entered. You do not need to manually type every letter of the word.

Copy and Paste

You can cut or copy text from an app, and then paste the text into the same app. Or, you can run other apps and paste the text into them.

1. Touch and hold around the text you want to copy or cut.
2. Drag / to specify the area to copy or cut.
3. Select either **CUT** or **COPY**.
   - Cut or copied text is automatically added to the clipboard.
4. Touch and hold the text input window, then select **PASTE**.

NOTE If there is no item that has been copied or cut, the PASTE option will not appear.

Clip Tray

If you copy or cut an image or text, it is automatically saved to the clip tray and can be pasted to any space at any time.

1. On the Smart tool, tap **Clip Tray**.

   You can also touch and hold the text input window, then select **CLIP TRAY**.

2. Select and paste an item from the clip tray.

   - A maximum of 20 items can be saved to the clip tray.
   - Tap Lock to lock saved items in order not to delete them, even when the maximum quantity is exceeded. A maximum of ten items can be locked. To delete locked items, unlock them first.
   - Tap Trash to delete the items saved to the clip tray.

NOTE The clip tray may not be supported by some downloaded apps.

Languages

You can set only one main language for your phone's operating software, but you can set multiple secondary languages and switch as needed. In addition, you can set multiple languages used for the on-screen keyboard.

To change the main language

- On the home screen, tap **Settings** > **System** > **Language & keyboard** > **Language** > **Add language**. Tap the language of your choice. Touch and hold the language, then drag it to the top of the language list to make it your phone's main language.

NOTE After adding additional secondary languages, drag any language to the top of the list to set it as your main language.

To add additional languages for your keyboard

- On the home screen, tap **Settings** > **System** > **Language & keyboard** > **Manage keyboards** > **LG Keyboard** > **Language & keyboard layout**, tap **Select languages**, then select all languages you want to use on the keyboard.

Capturing a Screenshot

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

To view the captured image, tap **Gallery** > **Screenshots** album.

Using Capture+ to capture a screenshot

On the screen you want to capture, drag the Status Bar downward and tap **Capture+** (in the Quick settings). The image is captured and saved in the **Screenshots** album in Gallery.

Content sharing

Playing content from another device

You can play photos, videos or songs saved on your device from a TV.

1. Connect the TV and your device to the same Wi-Fi network.
2. While viewing an item in the **Gallery** or **Music** app, tap **Play on other device** or **Options** > **Play on other device**.
3. Select the TV you want to connect to.

NOTE Google Play services should be up to date in order to use Chromecast.

Viewing content from nearby devices

You can view content from various devices, such as a computer, NAS or mobile device, by using the Gallery or Music app.

Connecting the devices

Connect both your device and a device that supports DLNA function to the same wireless network.

NOTE Make sure that File sharing (DLNA) is activated on both devices.

Searching for nearby devices

You can view a list of DLNA devices on the same network by selecting the **Nearby devices** menu in each app.

Use content from nearby devices as if you were using it on your device.

Sending or receiving files

You can share files between your device and another LG device, or a tablet.

Sending files

From the **Gallery** or **File Manager** app, tap ⋮ **Options** > **Share** or **Share**, then select a device on the file sharing list.

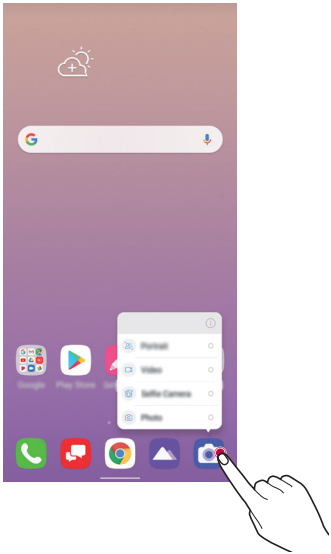
If your device does not support the file sharing feature, tap **Settings** on the home screen and tap **Connected devices** > **File sharing** > **SmartShare Beam** **ON/OFF**.

NOTES

- Make sure that your device is connected to the same wireless network as the file transfer target device.
- Make sure that File sharing (DLNA) is activated on both devices.

App Shortcuts

On the Home screen, touch and hold an app icon such as Call, Messaging, Camera, Gallery and Settings to display a quick access menu. Use apps more easily through App Shortcuts.



NOTE This feature is available only on some apps.

Audio recording features

HD Audio Recorder overview

The HD Audio Recorder feature allows you to configure the audio settings manually so that you can record audio based on your environment.

On the home screen, tap **Essentials** folder > **HD Audio Recorder**.

Calculator

Using your calculator

1. On the home screen, tap **Essentials** folder > **Calculator**.
2. Tap the number buttons and the function buttons (+, —, × or ÷) as necessary. The result automatically appears as soon as sufficient calculation information is entered.
   - To delete the last input, tap **DEL**. To clear the display, touch and hold **DEL**.

Camera

You can use the Camera app to take and share pictures and videos. Your phone has the integrated triple cameras that let you capture sharp pictures and videos in various angles. It has many state-of-the-art features such as Portrait, Time-lapse, Night view and much more. These features will allow you to easily and creatively capture your world.

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

Starting the camera

▸ On the home screen, tap **Camera**.

TIP With the backlight off, press the **Volume Down** button twice to immediately activate the Camera app (when enabled in the Settings app).

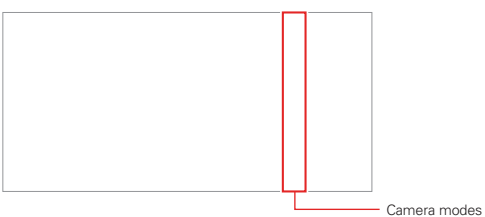
NOTES

- Before taking a photo or recording a video, wipe the camera lens with a soft cloth.
- Be careful not to stain the camera lens with your fingers or other foreign substance.
- Images included in this user guide may be different from the actual device.
- Photos and videos can be viewed or edited from the Gallery app.

Changing the camera mode

You can select a camera mode that suits your environment to take a photo or record a video easily and conveniently.

On the home screen, tap **Camera** and select the desired mode.



Auto mode

You can select from a variety of camera modes and options to take your photos and record videos.

1. On the home screen, tap **Camera**.
2. To take a photo, tap **Photo**, then tap **Capture**. To record a video, tap **Video**, then tap **Record**.

Film Effect – Apply a film filter effect.

Flash – Change the flash settings. Tap it to toggle through the flash modes.

Timer - Change the timer settings. Tap it to toggle through the timer options.

Camera Angle – Switches between standard angle and wide angle cameras.

Swap camera – Switches between front and rear cameras.

Capture – Takes a picture.

Gallery – Accesses your Gallery to view your saved photos and videos. Tap it to display the last photo or video you captured.

Settings – Displays the setting options for the camera mode selected. See *Customizing the camera options* for details.

Taking a photo

1. Select a camera mode and tap the subject to focus the camera on it.
2. Tap **Capture** to take a photo.
   - You can also press **Volume buttons** to take a photo.

NOTE When the screen is turned off or locked, start the camera by pressing the Power or Volume Down button twice. On the home screen, tap **Settings** > **Extensions** > **Shortcuts** and enable the **Open Camera** switch under **POWER** and/or **VOLUME**.

Customizing the camera options

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

Tap **Settings** on the camera screen.

NOTE Available options vary depending on the selected camera (front or back camera) and the selected camera mode.

- : Take a photo or record a video in FullVision.
- : Select values for aspect ratio and size for taking photos.

Auto scene optimizer	By recognizing the scene that is being recorded, applies the optimal resolution setting automatically.
Tips	Notifies the user when the subject's eyes were closed or the picture is blurry for an optimal result.
HDR	Obtain photos in vivid colors and get compensated effects even when they are taken against the light. These functions are provided by the High Dynamic Range (HDR) technology equipped in the camera.
Shutter sound	You can turn on or off the camera shutter sound while taking a photo.
Cheese shutter	Take photos with voice commands.
Tag locations	Save the image with GPS location data.
Grid	Displays guide grids so that you can take photos or record videos based on the horizontal and vertical reference lines.
Add signature	Displays a personalized signature on the photos.
Help	Provides help information for each camera menu.

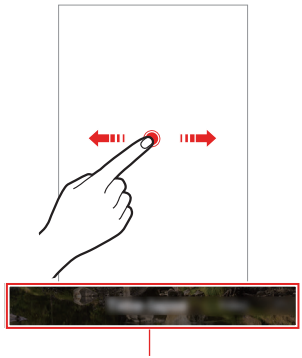
Additional options on the front camera

Selfie shot	Take a selfie by selecting its option between Gesture shot and Auto shot.
Save as flipped	Save as flipped images after taking selfies.

Mode Selection

You can conveniently select from the modes displayed on the screen which are selected to suit the shooting environment.

Tap **Camera** and swipe the camera modes left or right, or swipe the screen left or right to select a camera mode.



Using camera modes

Recording a video

1. Tap **Camera** and select **Video** by swiping camera modes.
2. Tap **Record** to record a video.

- To take a photo while recording a video, tap **Capture**.
- To pause the video recording, tap **Pause**. To resume the video recording, tap **Record**.
- While recording a video, you may spread or pinch two fingers to zoom in or out.
- While recording a video, you may tap the desired area to adjust the brightness.
- You can switch to and from the front camera and rear camera while recording a video by pressing **Swap**.

3. Tap **Stop** to end the video recording.

Taking a photo

Tap **Camera** and select **Photo** by swiping camera modes.

See *Taking a photo* for more details.

Taking portraits

You can take photos or videos that make the subject more distinct and stand out by blurring the background.

1. Tap **Camera** and select **Portrait** by swiping camera modes.
2. Tap **Capture** to take a photo.

Set camera options
Choose screen ratio
Set timer setting
Set aperture value
Adjust blur strength

NOTES

- When you see the message "**Portrait is available**", start taking a photo or recording a video.
- The Portrait feature may not work if the camera cannot recognize the subject.
- While taking a photo, keep the distance to your subject to 1.3 ~ 5 feet.
- This feature is not available if the surroundings are too dark.

Using additional camera modes

Tap **Camera** and select **More** by swiping camera modes.

Night view

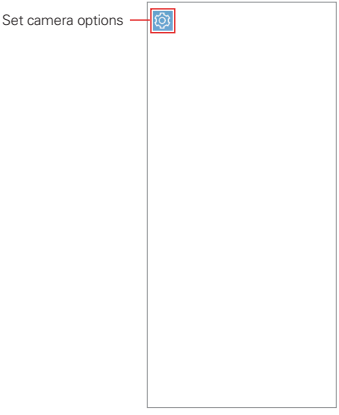
You can take vivid and clear night photos. While taking a photo, hold the device steady. You can adjust photo brightness by dragging the slide bar left or right.

See *Night view* for details.

Panorama

You can create a panoramic photo by moving the camera in one direction to photograph and stitch continuous shots of a wide view.

1. Tap **Camera** and select **More** by swiping camera modes.
2. Tap **Panorama**.
3. Tap **Capture** and then slowly move the camera in one direction.
   - Move the device by following the direction of the arrow in the guideline.
4. Tap **Stop** to stop capturing the panoramic.

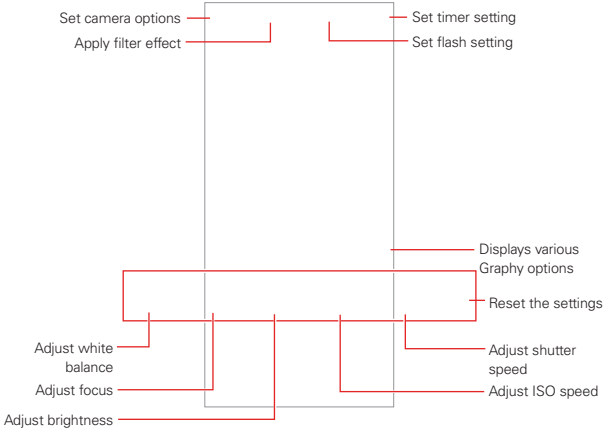


NOTE When moving the camera in one direction, make sure that the screen you shoot is not out of the guide line.

Manual Camera

You can create photos featuring professional touch by using a variety of advanced features.

1. Tap **Camera** and select **Manual Camera** by swiping camera modes.
2. Customize the following camera settings.
   - If you select **Auto**, the options are automatically adjusted according to the shooting target and environment.
   - If the **Focus** option is selected, the focused area is highlighted in color. This feature is available only in **Manual Focus (MF)** mode.



3. Tap **Capture** to take the photo.

NOTES

- If you tap **Graphy** and select a Graphy effect, a list of recommended photos with various settings will appear.
- Selecting the Graphy effects allows you to shoot using the white balance, shutter speed, and ISO setting values applied to the recommended photo.
- The Graphy feature is available only in Manual Camera mode.
- You can see a variety of recommended photos if you download the **Graphy** app from Google Play Store.
- You may be charged for data usage, depending on your pricing plan.
- Tap **Settings**, then tap **Graphy photos** **ON/OFF** to deactivate this feature.

Customizing the camera options

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

Tap **Settings** on the screen.

- : Take a photo or record a video in FullVision.
- : Select values for aspect ratio and size for taking photos.

Graphy photos	Adjusts the white balance, ISO and shutter speed for the recommended photo. See Graphy for details.
Save as RAW	The image is stored as a RAW file format so that you can modify it. The DNG and JPEG files are created while taking a photo, then saved as a non compressed high resolution image.
Shutter sound	You can turn on or off the camera shutter sound while taking a photo.
Cheese shutter	Takes photos with voice commands.
Tag locations	Saves the image with GPS location data.
Guide	Displays guide grids so that you can take photos based on the horizontal and vertical reference lines.
Add signature	Displays a personalized signature on the photos.
Help	Provides help information for each camera menu.

Slo-mo

You can create an entertaining video by changing the moving speeds of subjects in your video. This feature allows you to record a video at a faster rate of speed and then play it at the standard speed so that the video appears to be slowed down.

1. Tap **Camera** and select **More** by swiping camera modes.
2. Tap **Slo-mo**.
3. Select an interval **Part** or entire **All** to apply the slow motion effect to it.
   - **Part**: Allows you to apply a slow motion effect to a specific section of the video.
   - **All**: Allows you to apply a slow motion effect to the entire video.

4. Tap **Record** to start recording.
   - To pause the video recording, tap **Pause**. To resume the video recording, tap **Record**.
5. If you want to finish shooting, tap **Stop**.

YouTube Live

You can record a video and directly upload to **YouTube**.

1. On the home screen, tap **Camera**.
2. Select **More** by swiping camera modes, then tap **YouTube**.

NOTES

- YouTube Live is available only when your device is connected to the Internet. If you use mobile data, you may be charged for data usage, depending on your pricing plan.
- To use this feature, you must meet the eligibility requirements. Contact **YouTube** for the requirements.

Flash Jump-Cut

Photos taken at a regular interval are saved as a GIF file.

1. On the home screen, tap **Camera**.
2. Select **More** by swiping camera modes, then tap **Flash Jump-Cut**.
   - Photos are taken every 3 seconds and saved as a GIF file.
   - Tap 4 on the screen to select the number of photos you want to take.
   - While taking photos, tap **Stop** to create a GIF with the photos taken.

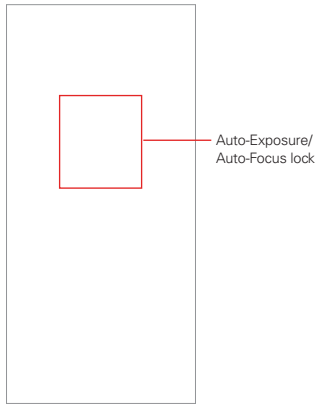
NOTES

- The flash automatically turns on while taking photos.
- The current shot and the total number of shots are displayed at the bottom of the screen.
- All taken photos are saved as GIF files only.
- The GIF speed or image orders cannot be changed.

Useful camera features

Auto-Exposure/Auto-Focus lock

You can fix the current exposure level and focus position by touching and holding the screen. To turn off the feature, tap a blank area on the screen.



NOTE This feature is available only in specific modes.

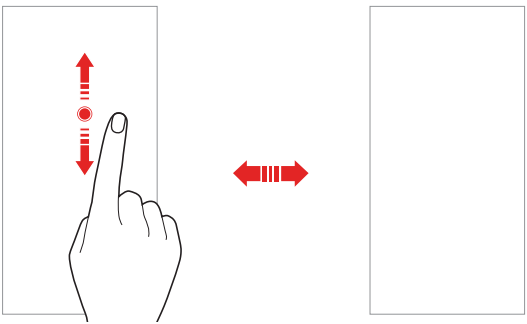
Switching between cameras

You can switch between the front and rear cameras to suit your environment.

On the camera screen, tap to switch between the front and rear cameras.

or

On the camera screen, swipe the screen up or down.



NOTE Use the front camera to take selfies. See *Selfie shot* for details.

Zoom in or out

You may spread or pinch two fingers to zoom in or out when you take photos or videos.

NOTES

- Zoom in/out function is not available in the selfie mode (front camera).
- This function is not supported in a number of modes.

Using the Burst Shot

You can take consecutive photos and view them as moving pictures in the **Gallery**.

1. Tap **Camera** and select **Photo**.
2. Tap and hold **Capture**.
   - Multiple, consecutive photos are taken while you are holding down **Capture**.

Gesture shot

You can take selfies by using gestures.

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

You can also clench your fist and then open it towards the front camera.

- In three seconds, a photo is taken.

NOTES

- To use this feature, switch to the front camera mode, then tap **Settings** > **Selfie shot** > **Gesture shot**.
- Make sure that your palm and fist are within the reference line so that the camera can detect them.
- This feature may not be available while using some of the camera features.

Auto shot

You can use the face detection feature to take selfies easily and conveniently. You can set the device so that, when you look at the screen, the front camera detects your face and takes a selfie automatically.

- The white colored guide frame appears when the front camera detects your face. If the subject within the guide frame stops moving, the guide frame color turns yellow, then the camera takes a photo.

NOTE Tap Settings > **Selfie shot** > **Auto shot** to enable the Auto shot feature.

Interval shot

You can take selfies at an interval.

While using the front camera, you can show your palm to the camera, then clench your fist twice quickly.

- Four photos are taken at regular intervals after a timer delay of three seconds.

Save as flipped

Before taking a photo with the front camera, tap Settings > **Save as flipped**.

The image is flipped horizontally.

NOTE When using the front camera, you can change how selfies are taken in the camera options. See *Customizing the camera options* for details.

Selfie shot

You can use the front camera to view your face on the screen and take selfies.

1. Tap Camera and select **Photo** by swiping camera modes.
2. Tap Swap to switch to the front camera.
3. Tap Capture to take photos.
   - Tap Beauty effects to apply various beauty effects.

Clock

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

Alarm

1. On the home screen, tap **Essentials** folder > **Clock** > **Alarm** > **Add**.
2. Set an alarm by tapping the hour or minutes and selecting the desired time on the clock graphic. Tap **Keypad** to set the time using a keypad instead of the clock graphic. Tap **AM** or **PM** as necessary.
3. Set days, **Alarm sound and volume**, **Alarm with vibration**, **Snooze duration**, **Animated weather**, **Alarm note,** and **Puzzle lock**.
4. Tap **SAVE**.

NOTE To access (and change) the alarm settings from the alarm list screen, tap the **Options** then tap **Settings**.

World clock

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

1. On the home screen, tap **Essentials** folder > **Clock** > **World clock**.
2. Tap **New City**, search through the available cities, then tap the desired one.

NOTE A network connection is necessary to search for cities.

Timer

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

1. On the home screen, tap **Essentials** folder > **Clock** > **Timer**.
2. Set the desired time on the timer.
3. Tap **Start** to start the timer.
   - Tap **Pause** to pause the timer.
4. Tap **Stop** to stop the timer.

Stopwatch

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

1. On the home screen, tap **Essentials** folder > **Clock** > **Stopwatch**.
2. Tap **Start** to initiate the stopwatch.
   - Tap **Lap** to record lap times.
3. Tap **Pause** to suspend the stopwatch.
   - To resume the stopwatch, tap **Resume**.
   - To clear all the records and reset the stopwatch, tap **Reset**.

Contacts

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

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

To open your Contacts app

- On the home screen, tap **Essentials** folder > **Contacts**.

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

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

Contacts list

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

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

To search for a contact

1. On the home screen, tap **Essentials** folder > **Contacts**.
2. Tap the **Search contacts** box and enter the contact name. Matches are displayed as you begin to type.

Searching your online contacts simultaneously

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

To set your phone to search simultaneously,

1. On the home screen, tap **Essentials** folder > **Contacts**.

2. Tap ⋮ **Options** > **Contacts settings** > **Online search**.

To open your groups list

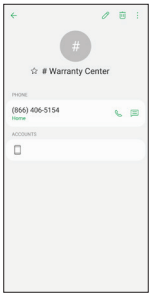
- Open the **Contacts** app and tap **Groups**.

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

NOTE Tap ⋮ **Options** from the Groups to access **Delete**, **Share**, **Default screen**, **Contacts settings**, and **Help**.

To view details about a contact

1. On the home screen, tap **Essentials** folder > **Contacts**.
2. Tap the contact whose details you want to view.



3. The information you entered for the contact is displayed. The following options are available (depending on the types of information saved).
   - **Dial** places a call to the number.
   - **Message** starts a message.
   - ⋮ **Options** accesses the following menu options: **Share**, **Forward**, **Merge**, **Back up**, **Separate**, **Set defaults**, and **All calls to voicemail**.

Adding Contacts

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

Since your contacts can come from a variety of sources, the Contacts app attempts to merge new information with existing similar contact entries to create a single entry. You can also manually merge or separate entries.

To add a new contact

1. On the home screen, tap **Essentials** folder > **Contacts**.
2. Tap + **New contact**.
3. Tap the Accounts field to select an account in which you want to save the contact, if necessary.

NOTE To change the account later, edit the entry, tap the account, then tap the desired account.

4. Enter the contact's name.
5. Tap a desired category, such as phone number or email address, to enter details about the contact.
   - Tap **More** to add additional fields.
6. Personalize the contact entry.
   - Set the group this contact belongs in.
   - Set a ringtone to identify calls from this contact.
   - Set a message alert sound to identify notifications from this contact.
   - Tap **Image** to select a picture to identify the contact.
7. When you're finished, tap **SAVE**.

Editing a Contacts entry

1. On the home screen, tap **Essentials** folder > **Contacts**, and then tap the contact entry you want to edit.
2. Tap **Edit**.
3. Edit the entry as needed, then tap **SAVE**.

Merging and separating contacts

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

1. On the home screen, tap **Essentials** folder > **Contacts**, and then tap the contact entry you want to merge with another entry.
2. Tap the **Options**, then tap **Manage contacts** > **Merge**.
3. Select the entry you want to merge.

Once entries have been merged, **Separate** becomes available in the options menu to allow you to separate the merged entries.

1. On the home screen, tap **Essentials** folder > **Contacts**, and then tap the contact entry you want to separate.
2. Tap **Options**, then tap **Manage contacts** > **Separate**.
3. Tap **SEPARATE** to confirm.

Setting Speed Dials

Designating multiple speed dials

1. On the home screen, tap **Essentials** folder > **Contacts**, and then tap **Options**.
2. Tap **Speed dial**.
3. Tap the speed dial number to assign, then tap the Contact entry for it.
4. Repeat selecting a speed dial number and the desired Contact entry as necessary.

Gallery

Gallery overview

You can view and manage photos and videos saved on your device.

Viewing photos

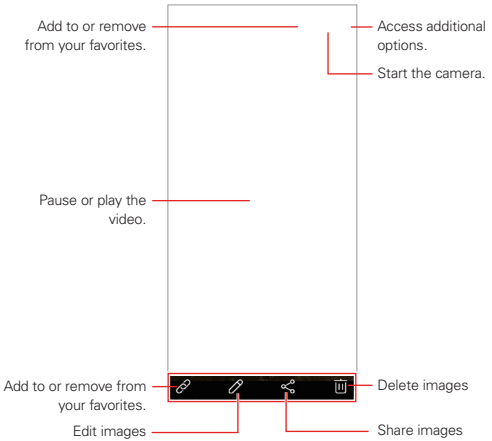
You can view the photos saved in Gallery.

1. Tap **Gallery** and select a desired folder.
2. Tap a desired photo.
   - The Gallery app contains **Albums**, **Photos**, **Memories**, and **Play**.

NOTE The menu appears when the screen is lightly touched. Touching the screen once again makes the menu disappear.

Playing a video

You can view the videos saved in Gallery.



NOTES

- To adjust the sound volume, drag the right side of the video screen up or down.
- To adjust the screen brightness, drag the left side of the screen up or down.
- Dragging the screen to the left on the video play screen allows you to rewind (REW) and dragging to the right allows you to fast forward (FF).

Game launcher

You can use Game launcher to view the entire list of installed games, or set the device to mute or prevent any notifications while playing games.

1. On the home screen, tap **Essentials** folder > **Game Launcher**.
2. Select the desired option.

Messaging

You can create and send messages to your contacts using the Messaging app.

To open the Messaging app

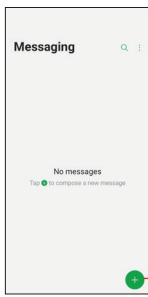
- On the home screen, tap **Essentials** folder > **Messaging**.

Using the Messaging app

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

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

- Tap **New message** to start a new text or multimedia message.



Tap here to create a new message.

- Tap an existing message thread to open it.
- Tap **Delete** to delete message threads.
- Tap **Options** to access **Settings** and **Help**.

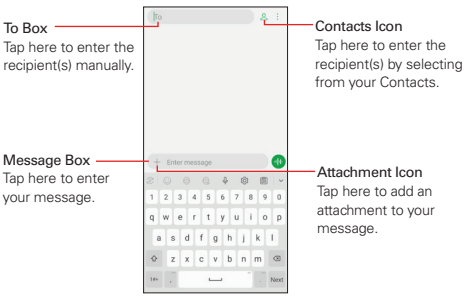
NOTE Pinch in (or spread apart) on your list of messages to resize it for easier viewing or navigation.

To delete a message thread from the Messaging window

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

To send a text message

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



If you go back to the previous screen while composing a message, it is automatically saved as a draft. Tap the message thread to resume composing it.

3. Tap **Options** > **Add subject** to add a message subject.

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

4. Tap + **Attach** to open a dialog box where you can choose the type of media file to attach to the message.

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

5. Tap ▶ **Send** to send the message.
   Your sent and received messages appear in the same window, creating a message thread with that contact.

Receiving and viewing messages

If you receive a message from a contact while in the message window with the contact, the message will be received without any notification. Otherwise, you'll receive a new message notification based on the **Notification** settings.

- If the **Show as pop-ups** option is enabled, you'll receive a pop-up notification on the current screen which you can use to directly reply.

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

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

To respond to messages you receive

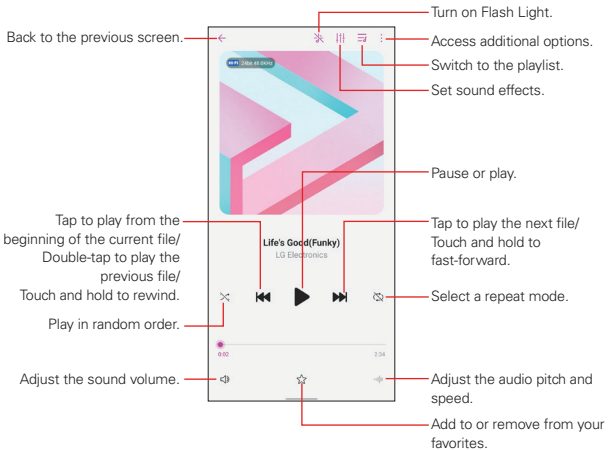
While viewing the received message, tap the message box at the bottom of the screen, complete your response as necessary, then tap **Send**.

Changing Messaging Settings

- To change the Messaging settings, open the **Messaging** app (set it as your default, if necessary), tap ⋮ **Options** > **Settings**. Messaging settings include **Notifications, Blocked numbers, Quick reply,** and more.

Music

Your phone has a music player that lets you play all of your favorite tracks. To access the Music player, tap **Essentials** folder > **Music**.



Playing a song

1. On the home screen, tap **Essentials** folder > **Music**.
2. Select a category.
3. Tap the song you want to play.

NOTES

- Some file formats may not be supported, depending on the installed software.
- Files that exceed the size limit may cause an error.
- Music files may be protected by international copyright owners or copyright laws. You may have to obtain legal permission before copying a music file. To download or copy a music file, first check the copyright law for the relevant country.
- This model supports Hi-Fi audio playback. Hi-Fi audio files display the Hi-Fi icon.
- When the Boombox Show feature is activated, visual effects including flash are played to the music.

Other Music player options

- Tap ⋮ **Options** in a song's screen to access its context menu which includes: **Add to playlist**, **Delete**, **Music video**, **Play on other device**, **Set as ringtone**, **Pitch & speed**, **Details** and **Settings**.
- Tap ⋮ **Options** in the Music library to access its options menu which includes: **Sound quality and effects**, **Cloud**, **Select** and **Settings**.

Exiting the Music player

To exit the Music player, swipe the Status Bar downward, then tap ✕ **Close** in the upper-right corner of the Music notification.

NOTE When you select Caller ringtones, tap a desired contact to set it.

ThinQ

You can easily connect your device with IoT appliances to monitor and conveniently use the appliances.

On the home screen, tap **Essentials** folder > **ThinQ**.

NOTES

- Washing machine, dryer, styler, dishwasher, oven, and robot cleaner can only be registered when the product is in the standby mode.
- Look for the ThinQ mark on the product to see if it can be connected to ThinQ app.
- Tap to check various function of the ThinQ app.

Phone

To open the Phone app

- On the home screen, tap **Phone**.

Voice Dialer
Tap here to dial by saying the number.

Call
Tap here to dial the number that you entered manually.

Touch and hold 0 to enter the plus (+) symbol to dial an international number.

Voicemail
Tap here to access your voicemail feature.

Moving between the Phone app tabs

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

Making a call by dialing

1. On the home screen, tap **Phone** > **Dial**.
2. Use the dialpad to enter the number you want to call.
3. Tap **Call** (on the dialpad) to dial the number that you entered.

Ending a call

- Simply tap **End** on the Call screen to end the call.

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

- Tap the **Ongoing call** portal.
- On the home screen, tap **Phone**.
- Drag the Status Bar down, then tap **End** in the Current call notification.

NOTE You can also press **Power/Lock button** to end the call if you activated this feature in the Call settings (tap **Options** > **Call settings** > **Answer and end calls** > enable the **End call with the Power key** switch).

Answering or Rejecting Calls

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

To answer a call

- Drag **Answer** in any direction to answer the call.

To ignore a call and divert it to Voicemail

- Drag **Ignore** in any direction to ignore the call.

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

To ignore a call and send a text message

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

1. On the home screen, tap **Phone** > **Options** > **Call settings**.
2. Tap **Call blocking & Ignore with message** > **Allow ignore with message** switch to toggle it On (blue).

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

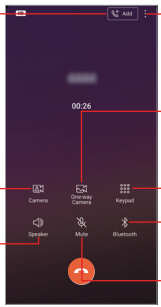
NOTE This feature can only be used to send a message to another mobile phone. It's not applicable to incoming landline calls.

Checking an incoming call while using an app

When a call comes in while using an app, a pop-up notification can be displayed at the top of the screen. You can receive the call, reject the call, or send message from the pop-up screen.

NOTE On the home screen, tap **Phone** > ⋮ **Options** > **Call settings** > **Additional settings** > **Incoming voice call pop-up**, then select **Pop-up**.

During a Call



Add Call
Tap here to add a call to the current conversation.

Settings
Tap here to access additional in-call options

One-way Camera
Tap here to share your camera.

Keypad
Tap here to display the keypad.

Camera
Tap here to switch to a video call.

Bluetooth
Tap here to switch between using a Bluetooth device and the phone.

Speaker
Tap here to turn the speakerphone on or off.

Mute
Tap here to mute the microphone during a call.

NOTE Tap ⋮ **Options** on the Call screen to access Contacts.

Recent Tab

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

Opening the Recent tab

- On the home screen, tap **Phone** > **Recent**.

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

Viewing call entry details

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

Filtering your list of calls

On the home screen, tap **Phone** > **Recent**, and then **Options** > **Filter**. Tap the call type you want to view.

Tap **Back** to return to the **Recent** tab screen.

Dialing a number in the Recent tab

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

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

Deleting your Recent calls

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

1. On the home screen, tap **Phone** > **Recent**.
2. Tap **Options**.
   - Tap **Clear** to select entries to remove from the list. Checkmark the entries to delete, tap **Clear**, then **Clear**.

Speed Dial

Create a Speed Dial

1. On the home screen, tap **Phone**.
2. Tap **Options** > **Speed dial**.
3. Tap **Add contact** and select a name or number to set up a speed dial.

Making a call using Speed Dial

1. On the home screen, tap **Phone**.
2. Touch and hold the Speed dial number.

Managing Multiple Calls

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

To switch between current calls

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

To set up a conference call

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

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

   OR

   - Use the buttons on the dialpad to manually enter a number, then tap the **Call**.
4. After you're connected, tap **Merge** on the Call screen. The participant is added to the conference call and the Call screen indicates a conference call is active.

Voicemail

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

To listen to your Voicemail

- Open the Notifications panel and tap **New voicemail**.

  OR

- On the home screen, tap **Voicemail**.

  OR

- On the home screen, tap **Phone** > **Dial** > **Voicemail**.

To set up your Voicemail

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

1. On the home screen, tap **Phone** > **Dial**.
2. Touch and hold **1 Key** on the dialpad to call to your voicemail box.
3. Follow the setup tutorial.
   - Enter a password.
   - Record a voice signature and greetings for your voicemail box.

QuickMemo+

QuickMemo+ provides you with the ability to make creative notes using a variety of options. This advanced notepad feature, unlike other conventional notepad apps, supports image management and screenshots.

Creating a note

1. On the home screen, tap **QuickMemo+**.
2. Tap **Add** to create a note, then use the tools and options as needed.
   - : Tap to save the note you created.
   - : Tap to undo the most recent action.
   - : Tap to redo the most recently deleted action.
   - : Tap to insert text into your memo.
   - : Tap to draw on your memo. Tap again to select the pen type, size, color, and transparency.
   - : Tap to erase pen marks you've made on the memo.
   - : Tap to select a section of your handwritten memo to modify (e.g., erase, rotate, expand, shrink, etc.).
   - : Tap to access additional options.
3. Tap **Done** to save the note.

Writing notes on a screenshot

1. While viewing the screen you want to capture, drag the status bar downwards and then tap **Capture+** in the Quick settings.
   - The screenshot appears as the notepad background theme. Memo tools appear at the top of the screen.
2. Crop the image (if necessary) and take notes as desired.
   - Write notes by hand on the photo.
3. Tap **Done** and save the note to the location of your choice.
   - Saved notes can be viewed in either **QuickMemo+** or **Gallery**.
   - To save notes in the same location all the time, select the **Use as default app** checkbox before selecting a desired app.

NOTES

- You can capture the entire screen by using the scroll capture feature.
- While using an app such as Messaging and Chrome, drag the notifications panel downwards and then tap > **Extended** to capture the entire screen you are currently viewing as a single file.
- This feature is available only on some apps that support the scroll capture feature.

Managing folders

You can organize and view memos according to the memo type.

1. On the home screen, tap **QuickMemo+**.
2. Tap **Menu** on the top part of the screen and then select the desired function.
   - **All Memos**: You can collectively view all memos save in QuickMemo+.
   - **My Memos**: You can view the memos created in QuickMemo+.
   - **New category**: You can add folders.
   - : You can change the order of folders or add/delete folders. By pressing the folder, you can change the folder name.

NOTES

- Some folders do not appear when the folder app initially started. Folders are additionally displayed only when relevant memos exist.
- Deleted memos are moved to the trash bin and can be recovered within 7 days from the day they were deleted.
- In the QuickMemo+ app, you can zoom in or out the screen by spreading or pinching two fingers.
- Some folders do not appear when the folder app is initially started.

Voicemail

The **Voicemail** app allows the management of voicemail directly from the phone rather than accessing voicemail via traditional methods.

Voicemail 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.

Using Voicemail

1. On the home screen, tap **Voicemail**.

NOTE Listening to voicemail and setting up your voicemail service depend on the subscription status for the Visual Voicemail service. If you have subscribed to the Visual Voicemail service, when you tap **Voicemail** on the dialpad, the Visual Voicemail app will be launched.

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

   While viewing the voicemail list, tap **Options** to access the following options: **Search, Save, Set as heard, Sort by, Saved Voicemail, Refresh,** and **Settings**.
5. Tap a voicemail entry to listen to it.

Google Apps

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

Google

Use Google to search for web pages, images, news and more by entering or speaking keywords.

Gmail

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

Maps

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

YouTube

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

Drive

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

YT Music

A new music streaming service from YouTube.

Play Movies & TV

Use your Google Account to rent or purchase movies. Purchased contents can be played anywhere.

Duo

Make a video call with your family, friends and anyone else who uses the app.

Photos

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

Docs

Docs is a collaborative, word-processing tool that enhances productivity. Use Docs to create, edit and work together in real-time.

Sheets

Sheets is a collaborative spreadsheet processing tool that enhances productivity. Use Sheets to import, organize and analyze information together in real-time.

Slides

Google Slides is a collaborative presentation creation tool that enhances productivity. Use Slides to organize information, present results, and make decisions together in real-time.

Calendar

You can use the calendar to manage events and tasks.

Files

Helps you free up space on your device, browser files and share files offline.

Google Pay

Add credit or debit cards and use Google Pay to make payments.

Settings

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

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

To open the Settings app

- On the home screen, tap **Settings**.

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

Network & internet

The Network & internet category allows you to configure and manage your device's wireless radio communications.

Airplane mode

Tap its switch to toggle it ON or OFF. On disables all wireless connections.

Wi-Fi Calling

You can use Wi-Fi calling to improve your coverage and to make phone calls over a Wi-Fi network when the network is available.

On the settings screen, tap **Network & internet** > **Wi-Fi Calling**.

Wi-Fi

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

Connecting to Wi-Fi networks

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

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

1. On the home screen, tap **Settings** > **Network & internet** > **Wi-Fi**.
2. Tap **Wi-Fi ON/OFF** to turn Wi-Fi on and start scanning for available Wi-Fi networks.
3. Tap to see a list of active and in-range Wi-Fi networks.
   - Secured networks are indicated by a lock icon.
4. Tap a network to connect to it.
   - If the network is secured, you're prompted to enter a password or other credentials. (Ask your network administrator for details.)
5. The Status Bar displays icons that indicate your Wi-Fi status.

Wi-Fi network settings

Allows you to set up many of your device's Wi-Fi services.

Options Accesses the Wi-Fi options menu.

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

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

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

NOTIFICATIONS

Wi-Fi notification Enable this option to be notified when Wi-Fi networks are available nearby.

USEFUL SETTINGS

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

Passpoint Enable this option to connect to Wi-Fi that supports Passpoint automatically.

CONNECTION

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

PERSONAL

Install certificates Allows you to install certificates from storage.

INFORMATION

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

IP address Displays your phone's IP address.

Wi-Fi Direct

You can connect your device to other devices that support Wi-Fi Direct to share data directly with them. You do not need an access point. You can connect with more than two devices by using Wi-Fi Direct.

1. On the settings screen, tap **Wi-Fi** > ⋮ **Options** > **Advanced Wi-Fi** > **Wi-Fi Direct**.
   - Nearby devices that support Wi-Fi Direct automatically appear.
2. Select a device.
   - Connection occurs when the device accepts the connection request.

Tethering & Mobile Hotspot

You can set the device as a wireless router so that other devices can connect to the Internet by using your device's mobile data.

Mobile Hotspot

1. On the settings screen, tap **Network & internet** > **Tethering & Mobile Hotspot** > **Mobile Hotspot** and then tap the switch to toggle it ON or OFF.
2. Tap **Set up Mobile Hotspot**, and enter the Wi-Fi name (SSID) and password.

3. Turn on Wi-Fi on the other device, and select the name of the device network on the Wi-Fi list.
4. Enter your device's Mobile hotspot password on the target device.

NOTES
- This option uses mobile data and may incur data usage fees, depending on your pricing plan. Consult with your service provider for more information.
- More information is available at this web site: http://www.android.com/tether#wifi

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

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

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

CONNECTED DEVICES

Displays all connected devices.

NOTE Tap ⋮ **Options** to access mobile hotspot tips and help.

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

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

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

Data usage

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

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

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

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

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

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

⋮ **Options** Accesses the Data usage options menu.

Display in MB/GB Changes the data usage units.

Data Saver Allows you to enable the **Data saver** option which restricts the data that runs in the background. You can set individual apps to have unrestricted data access when Data saver is enabled.

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

Metered Wi-Fi networks Allows you to select Wi-Fi networks to restrict apps that run in the background and be notified when downloading large files.

Mobile networks Allows you to set various mobile network settings.

Advanced Calling

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

Mobile networks

Allows you to set various mobile network settings.

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

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

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

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

Roaming state Displays your current roaming state.

VPN

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

NOTE Tap ⋮ **Options** from the LG VPN screen to access **Log**, **Settings**, **Import certificates**, **Delete all**, and **About**.

Wireless Emergency Alerts

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

Private DNS

Allows you to use private DNS mode.

Connected devices

Bluetooth

You can connect your device to nearby devices that support Bluetooth to exchange data with them. Connect your device to a Bluetooth headset and a keyboard. This makes it easier to control the device.

Pairing with another device

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

1. On the home screen, tap **Settings** > **Connected devices** > **Bluetooth**.
2. Tap **Bluetooth ON/OFF** to turn Bluetooth on and search for the devices within your phone's range.
   - Available devices appear automatically.
   - To refresh the device list, tap ↻.

   NOTE Only devices set as visible are displayed on the list.
3. Choose the device you want to pair with from the list.
4. Follow the on-screen instructions to perform authentication.

   NOTE This step is skipped for previously accessed devices.

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

Sending data via Bluetooth

1. Open the item you want to send, then tap **Share**.

   OR

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

   OR

   Open the item you want to send, then tap **Options** > **Share**.
2. Tap **Bluetooth** to share via Bluetooth.

   NOTE The method for selecting an option may vary by data type.
3. Search for and pair with a Bluetooth-enabled device.

Receiving data via Bluetooth

1. On the home screen, tap **Settings** > **Connected devices** > **Bluetooth**.
2. Tap **Bluetooth ON/OFF** to turn Bluetooth on
3. Tap **ACCEPT** when you receive a data request.

NFC

Enable this option to allow you to send or receive files simply by bringing your phone and another data-compatible device together (typically within 20 mm of each other) at the NFC touch point. NFC (Near Field Communication) establishes radio communication between smartphones and similar devices. Tap NFC to manage its settings.

NFC SECURITY ALERTS

Show NFC security alerts Enable this option to display a permission alert when another device tries to send you information via NFC.

ALERTS TO SHOW

Read Enable this option to display a confirmation alert when receiving a contact or URL via NFC.

Connection handover Enable this option to display a confirmation alert when pairing devices via NFC.

Sharing panel

Allows you to share contents with nearby devices or specific people.

File sharing

Allows you to send and receive files between your device and other LG devices or tablets.

LG Q730VM Allows you to change your phone's name for easy identification when setting up your devices for beaming.

Save to Allows you to set where to save your shared files.

File sharing Enable this option to make your device visible to BLE devices and exchange files.

SmartShare Beam Enable this option to receive multimedia content via SmartShare Beam from another LG phone or tablet.

Help Displays information regarding how to use file sharing.

Media server

Allows you to share the phone's multimedia content with nearby DLNA-compatible devices.

Content sharing Enable this option to allow nearby devices to access your content.

YOUR PHONE

LG Q730VM Allows you to change your phone's name to easily identify it.

Content to share Allows you to set the type of content you want to share between devices.

NEARBY DEVICES

Allowed devices Displays the nearby devices that can access your phone.

Not-allowed devices Displays the nearby devices that will be denied to access your phone.

Printing

Allows you to set up wireless printer(s).

PRINT SERVICES

Displays the list of your available print apps.

Sound

Sound profile

Allows you to set your device's sound profile to Sound, Vibrate only, or Silent.

Volume

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

Ringtone

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

Notification sound

Allows you to select a sound effect for new notifications. You can also add and delete notification sounds.

Ring with vibration

Enable to set the device to vibrate in addition to the ringtone when you receive calls.

Ringtone ID

Enable this option to allow you to set a unique ringtone for each caller.

Flash alert for incoming call

Set the flash to blink according to LG ringtone.

Do not disturb

Enable this option to allow you to set up and schedule when to prevent interruptions from notifications. You can set specific parameters that will override the option when set to Priority only.

Sound quality and effects

Use the function to set the sound quality and effects while playing a song or video.

Vibration type

Allows you to set the vibration pattern.

Vibrate on tap

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

Dialing keypad sound

Enable the keypad sound effect.

LG Keyboard sound

Enable LG keyboard sound effect.

Touch sound

Enable the sound effect to play when tapping an item.

Screen lock sound

Enable the sound effect to play when the screen is locked or unlocked.

Sound when roaming

Enable the sound effect to play when roaming.

Emergency tone

Select the tone option for emergency alerts.

Display

Home screen

Select Home Allows you to set the layout for the Home screen. You can choose the standard Home layout that displays all apps on the Home screen, or a layout that stores all installed apps separately which allows you to selectively set app shortcuts on your Home with separate apps list, or EasyHome a simple layout with a large font size.

Wallpaper Select a desired screen wallpaper, theme and AOD option for your device.

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

Icon shape Allows you to choose the desired icon shapes on the Home screen.

Google feed Enable to display Google feed on the left screen of the Home screen panel.

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

Hide apps Allows you to selectively hide apps from the Home screen.

Loop Home screen Enable to allow continuous Home screen scrolling (loop back to the first screen after the last screen).

Home screen lock Enable this option to prevent apps and widgets from being rearranged or removed.

Help Displays information regarding the Home screen items and functions.

Wallpaper & theme

Select a screen wallpaper, theme, and AOD option for your device.

Font

Size Allows you to set the size of the font used for the phone software.

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

TYPE Allows you to set the font used for the phone software.

New Second Screen

Select how the status bar and app corners will look.

Navigation bar

Select how the status bar and app corners will look.

Comfort view

Enable this option to set a blue light filter to reduce eye strain. Once enabled, set the level to your preference.

Night mode

You can apply a dimmed screen theme to avoid glare on the screen at night time.

Screen color

Adjust the color, color temperature, or RGB values for the desired screen.

NOTE Tap ↺ to reset the settings.

App scaling

Adjust the screen size of downloaded apps.

Display size

Allows you to set the size for the items and text viewed on screens without dynamic zoom capability.

Brightness

Allows you to set the brightness for the screen or you can enable the automatic setting.

Auto

Set the device so that the screen brightness is automatically adjusted in accordance with the ambient light intensity.

Screen timeout

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

Auto-rotate screen

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

Screen saver

Enable this option to display a screen saver when the device is connected to a holder or charger. Tap ON/OFF and select a screen saver type to display.

One-handed screen

Make the screen size smaller to conveniently use the device with one hand. To bring down the screen, drag the left/right edge to the middle and hold.

Lock screen & security

SECURITY STATUS

Google Play Protect

Check the device periodically for potentially harmful apps.

Find My Device

Allows you to remotely track the device location. You can also save your data securely if you lose your device.

Security update

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

Automatic security updates Allows you to install security updates automatically.

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

Use Software Upgrade Assistant Displays information regarding how to use system updates.

SYSTEM UPDATE STATUS Displays your last update information.

Google Play system update Check for Google Play system update.

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

Customize Lock screen

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

Clock Allows you to set where to position the clock on the Lock screen.

Shortcuts Allows you to choose apps to run on your Lock screen. This setting appears only when a screen lock is set.

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

Secure lock settings

Make pattern visible (shown only when Pattern is set as a screen lock): Turn on to make pattern visible.

Lock timer Allows you to set the amount of time before the screen automatically locks after the backlight turns off (time-out due to inactivity).

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

Show lockdown option (shown only when a screen lock is set): Enable this option to display the Lockdown icon when you press and hold the Power/Lock button. Tap the Lockdown icon to turn off Smart Lock, biometric unlocking, and notifications on the lock screen.

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

Fingerprints Allows you to set up fingerprint impressions that will unlock your phone's screen, allow access to content, and/or allow you to pay using your device.

NOTE If your phone doesn't have a default payment app, go to Play Store and search for available payment apps.

Content lock Allows you to set a lock type (PIN or pattern) for your QuickMemo+ and Gallery files.

Encryption & credentials

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

Secure start-up Enable this option to immediately lock the screen when you turn on the device to help keep it secure. Unlock the screen by entering the current unlock method, such as a Pattern, Password, or PIN. Until the screen is unlocked, you cannot receive most phone calls, text messages, alarms, notifications, and more.

Credential protection Displays the current storage type.

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

User credentials Allows you to view and modify stored secure certificates.

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

Clear credentials Allows you to delete user added secure certificates and related credentials.

Set up SIM card lock Lock or unlock the USIM card, or change the password (PIN).

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

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

Screen pin Allows you to selectively pin an app to your screen. Enable this option to be able to designate only a single app that can be used until you unpin it. This is helpful when allowing children to use your phone.

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

Privacy

Permission manager

Allows you to check and change the permissions granted to the apps.

Lock screen

Allows you to set notifications to show on the lock screen.

Make passwords visible

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

Autofill service from Google

Enable this option to enter your information saved in your account such as password, address, or credit card number with a single tap. You can also disable this option, use the Google Autocomplete feature, or add a new service account.

Google location history

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

From the Location History screen, tap ⋮ **Options** to view and/or manage your location data.

Activity controls

Select activities and information which you want Google to save.

Ads

Allows you to check the advertising ID and set the personalized ads.

Usage & diagnostics

Enable this option to help improve the Android experience by automatically sending diagnostic, device, and app usage data to Google.

Location

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

Scanning Allows you to enable Wi-Fi scanning and/or Bluetooth scanning even when those features are set to off.

App-level permissions Allows you to set permissions for each app.

RECENT LOCATION REQUEST

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

LOCATION SERVICES

Emergency Location Service Enable this option to allow you to using Google ELS when you contact an emergency number, if ELS is supported in your region.

Google Location Accuracy Enable this option to improve location accuracy.

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

From the Location History screen, tap ⋮ **Options** to view and/or manage your location data.

Google Location Sharing Allows you to share real-time locations (using Location History) with selected people and devices.

Extensions

Smart cleaning

Displays the space in use and free space in your phone and allows you to selectively clean up your files.

Gaming

You can configure settings for game tools, screen resolutions and battery saving feature.

Game Launcher Allows you to use Game launcher. You can view the entire list of installed games, or set the device to mute or prevent any notifications while playing games.

Game tools Tap **ON/OFF** to activate this feature. You can launch this feature by tapping the game tool icon at the bottom of the screen while playing games.

Game graphics Adjust the game resolutions.

NOTE When you change the resolutions on some games, the screen display feature may not work properly.

Break time Allows you to set the screen brightness and performance to apply when you leave the device idle for longer than 5 minutes.

Screen recording

You can configure the settings for screen recording.

1. On the settings screen, tap **Extensions** > **Screen recording**.
2. Customize the following settings:

- **Include yourself in video by**: Select one from the following options.
  - **Image**: Includes your profile image in video when recording. After selecting this, tap **Select a photo** to take a photo or select a profile image from Gallery. Then, adjust the size of the image using the slide bar.
  - **Front camera**: Includes yourself recorded using the front camera while recording the screen.

- **Never**: Nothing is included.

- **Audio source**: Choose the audio source between Mic and Contents.
- **Video resolution**: Select the resolution for screen recording.

To record the screen:

1. Drag the status bar downward to open the Quick access icons list.
2. (If necessary, swipe left over the Quick access icons area.) Tap **Screen recording**.
3. Read the disclaimer and tap **Start**. It will start recording in 3 seconds.
4. To stop recording, tap **Stop** located at the top right of the screen. The recorded video will be saved in Gallery.

NOTE If you violate another person's rights such as portrait right or intellectual property right or defame another person's reputation by using the functions provided for the screen recording service, you may be held liable to civil, criminal or administrative charges in accordance with the relevant laws. LG Electronics is not legally responsible in any way for the acts of users.

Dual App

You can use some apps with two accounts.

1. On the settings screen, tap **Extensions** > **Dual App**.
2. After reading the disclaimer, tap **Confirm**.
3. In the list of available apps, tap **Install** to install a copy of a desired app and follow the on-screen instructions.

Shortcuts

You can customize the shortcut keys settings.

View notification panel: Swipe your finger up or down on the fingerprint sensor to open or close the notification panel.

Open Camera: Press the Power key twice to open Camera.

Open Capture+: Press the Volume Up key twice to open **Capture+** when the screen is locked or off.

Open Camera: Press the Volume Down key twice to open **Camera** when the screen is locked or off.

Open Google Assistant: Press the Assistant key to launch Google Assistant at any time.

Talk to Google Assistant: Press and hold the Google Assistant key to quickly talk to your Assistant.

KnockON

Enable this option to turn the screen on or off by tapping the screen twice.

Digital Wellbeing & parental controls

You can get an overview of your device usage, set a timer for each app, and manage the screen time and notifications. You can also set up parental controls.

On the settings screen, tap **Digital Wellbeing & parental controls** and set the desired function.

Apps & notifications

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

Battery

The current percentage of remaining battery power and the charging status (when charging) are displayed.

Battery usage

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

Battery percentage on Status Bar

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

Adaptive battery

Allows you to save the battery by stopping apps running in the background.

Background restrictions

Enable this option to restrict background apps to save the battery while using the device. Restricted apps for power saving may not work properly or may not send you notifications.

Battery saver

Reduce battery consumption by cutting down some device settings, such as the display brightness, speed and vibration intensity. The status bar displays when power saving mode is on.

Power saving exclusions

Select apps to use without any functional limitation while in power saving or battery optimization mode.

APP USAGE

Displays battery usage information for each app.

Storage

DEVICE

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

EXTERNAL

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

⏏ Allows you to eject (unmount) your microSD card.

To format the memory card, tap **SD card** > ⋮ **Options** > **Storage settings** > **Format**.

Accounts

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

ACCOUNTS

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

Add account Allows you to add accounts to your phone.

Google

Allows you to manage your Google apps and account settings.

System

The System category allows you to view and manage various system settings.

User guide

You can view the User guide on your device.

Language & keyboard

Language Allows you to set a main language for your phone's operating software and also add other languages.

Manage keyboards Allows you to customize the LG keyboard settings or voice recognition feature by Google Voice.

Physical keyboard Allows you to set the physical keyboard, or check keyboard shortcut keys.

Autofill service Enable this option to enter your information saved in your account such as password, address, or credit card number with a single tap. You can also disable this option, use the Google Autocomplete feature, or add a new service account.

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

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

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

Date & time

Enable the **Set automatically** option or tap **Set date** and/or **Set time** to use a date/time other than the one provided by the network. Tap **Select time zone** to use a time zone other than the one provided by the network.

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

Memory

You can view the average amount of memory usage over a certain period of time and the memory occupied by an app.

1. On the settings screen, tap **System** > **Memory**.
2. Tap ▼ to set a time slot to retrieve data.

Backup

LG Mobile Switch Allows you to copy data from a previous device to a new device. You can transfer data using a USB cable, wireless network, and SD card.

NOTES
- Data in a Google account will not be backed up. When you synchronize your Google account, Google apps, Google contacts, Google calendar, Google memo app data and apps downloaded from Play Store are stored on the Drive app automatically.
- Fully charge the battery before transferring data to avoid unintentional powering off during the process.

Backup & restore Allows you to back up your data to internal storage or SD card. You can also restore your data from a previous backup.

WARNING! Resetting your device may delete backup files saved in storage. Make sure to copy and store the important backup files to your PC.

Google backup You can choose to back up to your Google Drive.

Restart & reset

Auto-restart Automatically restart to optimize the phone at a set time.

Network settings reset Reset Wi-Fi, Bluetooth and other network settings.

Reset app preferences Reset the settings for an app. The data saved in the app will not be deleted.

Reset settings Reset system settings back to default.

Factory data reset Reset all settings for the device and delete data.

About phone

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

Regulatory & safety

You can view regulatory marks and related information on your device.

On the settings screen, tap **System** > **Regulatory & safety**.

System updates

From time to time, updates may become available for your phone. You can download and apply updates through the Settings menu.

Accessibility

CATEGORIES

Vision Sets options for people with impaired sight.

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

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

Font Allows you to set the size and the type of the screen text.

Display size Allows you to set the size for displayed screen items (e.g., icons, text, etc.). Changing the size may affect the item's position on the screen.

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

Window zoom Enable this option to activate a magnifying window. Use two fingers to drag it to other positions on the screen. When activated, you can zoom in or out within the window and set the window's color inversion. Tap **ON/OFF** to view information and adjust its settings.

Large mouse pointer Enable this option to increase the size of the mouse pointer.

High contrast screen Enable this option to change the background color to black for a high contrast screen.

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

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

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

End call with the Power key Enable this option to use the Power/Lock button to end a call.

Hearing Sets options for people with impaired hearing.

Caption Enable this option to allow your phone to display caption text. Tap **ON/OFF** to access and adjust its settings.

Blink LED Set to turn on LED light for incoming calls and notifications.

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

TTY mode A TTY (teletypewriter, also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hard of hearing, or who have speech or language impairments, to communicate by telephone.

Real Time Text (RTT) keyboard Enable this option to show RTT keyboard during calls.

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

Audio channel Allows you to set the audio type.

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

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

DEXTERITY

Touch assistant Turn on the touch board to make buttons and gestures easier to use.

Touch input Set the desired delay time for touching and holding, or adjust the touch input to ignore repeated taps.

Physical keyboard Allows you to customize specified key settings.

Auto mouse click Enable this option to automatically activate the cursor where the pointer stops. Tap **ON/OFF** to set its delay time.

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

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

INTERACTION

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

GENERAL

Accessibility features shortcut Enable this option to allow quick, easy access to selected features when you press the Power key and the Volume Up key simultaneously. Tap **ON/OFF** to select the desired features.

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

SERVICES

Select to Speak Allows you to tap items to hear spoken feedback.

Switch Access Tap the switch at the top of its screen to toggle it ON or OFF. On allows you to use the switch for selected features. Tap **OK**, then tap **SETTINGS** to set it up.

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

My Verizon Guided Navigation When Assistive touch service is active, your device provides access to read the elements displayed on the screen. This is used by the My Verizon app to provide assistive tutorials to navigate.

Phone software update

LG Mobile phone software update from the Internet

For more information about using this function, please visit http://www.lg.com/common/index.jsp, select your country and language.

This feature allows you to conveniently update the firmware on your phone to a newer version from the Internet without needing to visit a LG Authorized Service Center. This feature will only be available if and when LG makes a newer firmware version available for your device.

Because the mobile phone firmware update requires the user's full attention for the duration of the update process, please make sure you check all instructions and notes that appear at each step before proceeding. Please note that removing the USB cable during the upgrade may seriously damage your mobile phone.

NOTE LG reserves the right to make firmware updates available only for selected models at its own discretion and does not guarantee the availability of the newer version of the firmware for all handset models.

Anti-Theft Guide

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

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

- **Set a screen lock**: If your device is lost or stolen but you have a screen lock set, the device can't be erased using the Settings menu unless your screen is unlocked.
- **Add your Google account on your device**: If your device is wiped but you have your Google account on it, the device can't finish the setup process until your Google account information is entered again.

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

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

Open Source Software Notice Information

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

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

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com.

This offer is valid for a period of three years after our last shipment of this product. This offer is valid to anyone in receipt of this information.

Regulatory Information (FCC ID number, etc.)

For regulatory details, go to **Settings** > **System** > **Regulatory & safety**.

Trademarks

- Copyright © 2020 LG Electronics Inc. All rights reserved. LG and the LG logo are registered trademarks of LG Corp.
- LG Q730VM is a trademark of LG Electronics, Inc.
- Google, Google Map, Gmail, YouTube, Google Duo, Google Play, Android, Chrome, Google Photos, Google Play Protect, Google Calendar, Google Docs, Google Drive, Google Sheets and other related marks and logos are trademarks of Google LLC.
- Bluetooth® is a registered trademark of Bluetooth SIG, Inc. worldwide.
- Wi-Fi® and the Wi-Fi logo are registered trademarks of the Wi-Fi Alliance.
- All other trademarks and copyrights are the property of their respective owners.

HEVC Advance™
Covered by Patents at patentlist.hevcadvance.com

More information

Tempered glass parts

Tempered glass parts of this device are not permanent and they may wear out over time.

- If you drop your device on a hard surface or subject it to severe impact, the tempered glass may be damaged. If this happens, stop using your device immediately and contact a LG Authorized Service Center.
- You can purchase protective cases to protect your device from damage. Note that these protective cases are not covered under the warranty service provided by LG Electronics and safety is not guaranteed.

Guide to data movement

For the data that can be exchange between LG devices or between the LG device and a third party device, see the following table.

Division	Item details	LG device → LG device	Third party Android device → LG device	iOS device → LG device
Personal data	Contacts, messages, dial logs, calendar, voice recordings	Supported	Supported	Supported
	Memos	Supported	Not Supported	Supported
	Alarms	Supported	Not Supported	Not Supported
Media data	Photos, videos, songs, documents	Supported	Supported	Supported
Screen settings	Home screen settings (folders and widgets)	Supported	Not Supported	Not Supported
	Lock screen settings (screenlock settings excluded)	Supported	Not Supported	Not Supported
Apps	Downloaded apps	Supported	Supported	-
	Personal data of the downloaded app	Supported	Not Supported	
Others	Public certificate	Supported	Supported	Not Supported
	Settings (Wi-Fi, Bluetooth, Calls, sound & notification, accessibility, battery)	Supported	Not Supported	Not Supported

NOTE Some data may not be transmitted depending on the software version, app version, operating system, manufacturer or service provider's policy.

Safety Information

Important Information

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

HAC Statement

This device 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 device that have not been tested yet for use with hearing aids. It is important to try the different features of this device 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 device for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or device retailer.

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

FCC RF Exposure Information

WARNING! Read this information before operating the device.

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 device complies with the FCC guidelines and these international standards.

Body-worn Operation

This device was tested for typical use with the back of the device kept 0.39 inches (1.0 cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.39 inches (1.0 cm) must be maintained between the user's body and the back of the device. Any belt-clips, holsters, and similar accessories containing metallic components may not be used. Avoid the use of accessories that cannot maintain 0.39 inches (1.0 cm) distance between the user's body and the back of the device and have not been tested for compliance with FCC RF exposure limits.

Consumer Information about Radio Frequency Emissions

Your wireless device, 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 devices.

Are wireless devices safe?

Scientific research on the subject of wireless devices 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 devices. 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 device 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 devices in the United States. Before a wireless device 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 device transmitting at its highest power level in all tested frequency bands. Since 1996, the FCC has required that the SAR of handheld wireless devices 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 device 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 device to the body while in use, and the use of hands-free devices.

For more information about SARs, visit the FCC website at https://www.fcc.gov/consumers/guides/specific-absorption-ratesar-cell-phones-what-it-means-you. You may also wish to contact the manufacturer of your device.

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 devices for

convenience and comfort. These systems reduce the absorption of RF energy in the head because the device, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the device 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 devices 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 device while in a car, you can use a device with an antenna on the outside of the vehicle. You should also read and follow your wireless device manufacturer's instructions for the safe operation of your device.

Do wireless devices 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 devices 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 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 device 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

http://www.fda.gov

U.S. Federal Communications Commission

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

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

http://www.rsc.ca/index.php?page=Expert_Panels_RF&Lang_id=120

World Health Organization

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

International Commission on Non-Ionizing Radiation Protection

https://www.icnirp.org

American National Standards Institute

http://www.ansi.org

National Council on Radiation Protection and Measurements

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/

(websites current as of November 2018)

Consumer Information on SAR

(Specific Absorption Rate)

This model device meets the government's requirements for exposure to radio waves. Your wireless device 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 device 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 device while operating can be well below the maximum value. Because the device 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 device 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.

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

The FCC has granted an Equipment Authorization for this model device with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model device 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 ZNFQ730VM.

Additionally, the highest SAR values can also be found on the LG website: https://www.lg.com/global/support/sar/sar

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 devices under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless devices 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 devices 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 devices also vary in the amount of interference they generate.

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

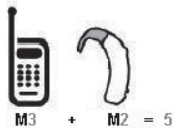
The ratings are not guaranteed. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated device successfully. Trying out the device with your hearing device is the best way to evaluate it for your personal needs.

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

T-Ratings: Devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than devices 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 device 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 device 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 device. "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.

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

For information about hearing aids and digital wireless devices:

Wireless Devices and Hearing Aid Accessibility

http://www.accesswireless.org/

Gallaudet University, RERC

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

FCC Hearing Aid Compatibility and Volume Control

https://www.fcc.gov/general/hearing-aid-compatibility-and-volume-control

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 common sense recommendations when using any portable audio device:

- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.

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

TIA Safety Information

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

Exposure to Radio Frequency Signal

Your wireless handheld portable device 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 devices. 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).

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 device.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6) inches be maintained between a handheld wireless device 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 device more than six (6) inches from their pacemaker when the device is turned ON;
- Should not carry the device in a breast pocket;
- Should use the ear opposite the pacemaker to minimize the potential for interference;
- Should turn the device OFF immediately if there is any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless devices 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 device 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 device OFF in any facility where posted notices so require.

Aircraft

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

Blasting Areas

To avoid interfering with blasting operations, turn your device 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 device 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.

Part 15.19 Statement

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

(1) This device may not cause harmful interference, and

(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 for compliance could void the user's authority to operate the equipment.

Part 15.105 Statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the

equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Safety Information

Please read and observe the following information for safe and proper use of your device and to prevent damage.

⚠Caution

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

- Do not disassemble, open, crush, bend or deform, puncture or shred the device.
- Do not modify or re-manufacture the device. Do not insert foreign objects into the device or battery, or expose to fire, explosion or other hazard.
- Only use the device with an LG charging system that has been qualified with the device, per CTIA Certification Requirements for Battery System Compliance to IEEE1725. Use of an unqualified charger may present a risk of fire, explosion, leakage, or other hazard.
- Avoid dropping the device. If the device is dropped, especially on a hard surface, and you suspect damage, take it to a LG Authorized Service Center for inspection.
- The entire device should be recycled in compliance with Lithium-Ion battery recycling standards because of the internal battery. To dispose of properly, call (800) 822-8837 or visit www.call2recycle.org.
- Always unplug the charger from the wall socket after the device is fully charged to save unnecessary power consumption.

- A mobile device requires proper air circulation in order to dissipate heat. Direct skin contact and inadequate circulation of air flow to the device may cause the device to overheat. The device must be at least 1.0 cm from between the user's body.
- Prevent dust of any other foreign substances from getting into the Charger/USB cable port. It may cause heat or fire.
- Avoid exposing the device to low air pressure at high altitude.
- Do not expose the device to extremely low air pressure. Otherwise, it can cause explosion of the battery or leakage of flammable liquid or gas.

Charger and Adapter Safety

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

Battery Information and Care

- Always unplug the charger from the wall socket after the device is fully charged to save unnecessary power consumption of the charger.
- Please read the manual of the specified charger for information about its 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 device, and wipe the power plug pin with a clean dry cloth 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 device in a pocket or bag without covering the receptacle of the device (power plug pin), metallic articles (such as a coin,

paperclip or pen) may short-circuit the device. Always cover the receptacle when not in use.

- Recharge the device after long periods of non-use to maximize battery life. Battery life will vary due to usage pattern and environmental conditions.
- Improper handling of the charging port, as well as the use of an incompatible charger, may cause damage or defect to your device.
- The charging temperature range is between 0 °C/32 °F and 40 °C/104 °F. Do not charge the battery out of the recommended temperature range. Charging out of the recommended range might cause heat to be generated or serious damage to the battery. It might also cause the deterioration of the battery's characteristics and cycle life.
- Do not use or leave the device in direct sunlight or in a car heated by sunshine. The device may generate excessive heat, smoke, or flame. It also might cause deterioration of device's characteristics or cycle life.
- If the skin or clothes is smeared with liquid from the battery, wash with fresh water. It may cause skin inflammation.
- Please take your device to a LG Authorized Service Center immediately if this occurs.
- Do not handle the device with wet hands while it is being charged. It may cause an electric shock or seriously damage your device.
- Do not charge while the device or charging cable is wet or contains moisture. This can cause fire, electric shock, injury or damage to the device.
- Do not place or answer calls while charging the device as it may short-circuit the device and/or cause electric shock or fire.
- Talking on your device for a long period of time may reduce call quality due to heat generated during use.

WARNING! Notice for Battery Replacement

- Do not remove the back cover.

- Your device has an internal battery. For your safety, do not remove the battery incorporated in the product. If you need to replace the battery, take it to the nearest authorized LG Electronics service point or dealer for assistance.
- The Li-Ion Battery is a hazardous component which can cause injury.
- Battery replacement by a non-qualified professional can cause damage to your device.

Explosion, Shock, and Fire Hazards

- Do not put your device 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 device, 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 device in a pocket or bag without covering the receptacle of the device (power plug pin), metallic articles (such as a coin, paperclip or pen) may short-circuit the device and may cause an explosion. Always cover the receptacle when not in use.
- Do not charge while the device or charging cable is wet or contains moisture. This can cause fire, electric shock, injury or damage to the device.

General Notice

- Do not place items containing magnetic components, such as a credit card, phone card, bank book, or subway ticket, near your device. The magnetism of the device may damage the data stored in the magnetic strip.
- Talking on your device for a long period of time may reduce call quality due to heat generated during use.
- When the device is not used for a long period time, store it in a safe place with the power cord unplugged.

- Using the device in proximity to receiving equipment (i.e., TV or radio) may cause interference to the device.
- Conform device use to IP68 capabilities. Do not immerse in water deeper than approximately 1.5 meters. Do not immerse your product in water for longer than 30 minutes, or liquids other than water. Immediately, take it to a LG Authorized Service Center.
- Do not paint your device.
- The data saved in your device might be deleted due to careless use, repair of the device, 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 device in public places, set the ringtone to vibration so you don't disturb others.
- Do not turn your device 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.
- A mobile device requires proper air circulation in order to dissipate heat. Direct skin contact and inadequate circulation of air flow to the device may cause the device to overheat. The device must be at least 1.0 cm from between the user's body.
- Prevent dust of any other foreign substances from getting into the Charger/USB cable port. It may cause heat or fire.

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 devices pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless devices. There is no proof, however, that

wireless devices are absolutely safe. Wireless devices 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 devices?

Under the law, the FDA does not review the safety of radiation-emitting consumer products such as wireless devices before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless devices 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 devices to notify users of the health hazard and to repair, replace, or recall the devices so that the hazard no longer exists. Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the wireless device 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 devices;
- Design wireless devices 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 devices with the best possible information on possible effects of wireless device 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 devices with the Federal Communications Commission (FCC). All devices 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 devices.

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

3. What kinds of devices are the subject of this update?

The term "wireless device" refers here to handheld wireless devices with built-in antennas, often called "cell," "mobile," or "PCS" devices. These types of wireless devices can expose the user to measurable Radio Frequency (RF) energy because of the short distance between the device 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 device 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 devices," 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 devices 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 devices, 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 devices 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 device RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of device use in these studies was around three years.

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

A combination of laboratory studies and epidemiological studies of people actually using wireless devices 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 devices. Many factors affect this measurement, such as the angle at which the device is held, or which model of device is used.

6. What is the FDA doing to find out more about the possible health effects of wireless device 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 device 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 device 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 device?

All devices 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 devices 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 device and is set well below levels known to have effects. Manufacturers of wireless devices must report the RF exposure level for each model of device to the FCC. The FCC website (http://www.fcc.gov/oet/rfsafety) gives directions for locating the FCC identification number on your device so you can find your device's RF exposure level in the online listing.

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

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the Radio Frequency (RF) energy exposure from wireless devices 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 device 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 device. 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 device complies with safety guidelines.

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

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 device will reduce RF exposure. If you must conduct extended conversations by wireless device 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 device away from your body or use a wireless device connected to a remote antenna. Again, the scientific data does not demonstrate that wireless devices 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 device use.

10. What about children using wireless devices?

The scientific evidence does not show a danger to users of wireless devices, 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 devices. Reducing the time of wireless device 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 devices 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 device causes brain tumors or other ill effects. Their recommendation to limit wireless device use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

11. What about wireless device interference with medical equipment?

Radio Frequency (RF) energy from wireless devices 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 device EMI.

The FDA has tested hearing aids for interference from handheld wireless devices 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 devices so that no interference occurs when a person uses a "compatible" device 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 devices 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 devices

http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm

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

International Commission on Non-Ionizing Radiation Protection

https://www.icnirp.org

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 devices in the areas where you drive and always obey them. Also, if using your device 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 device gives you the powerful ability to communicate by voice almost anywhere, anytime. An important responsibility accompanies the benefits of wireless devices, one that every user must uphold.

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

1. Get to know your wireless device and its features, such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most devices offer, including automatic redial and memory. Also, work to memorize the device 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 device accessories are readily available today. Whether you choose an installed mounted device for your wireless device or a speaker phone accessory, take advantage of these devices if available to you.
3. Make sure you place your wireless device 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 device to call for help. Your wireless device is one of the greatest tools you can own to protect yourself and your family in dangerous situations -- with your device at your side, help is only three numbers away. Dial 911 or another local emergency number in the case of fire, traffic accident, road hazard, or medical emergency. Remember, it's a free call on your wireless device!

9. Use your wireless device to help others in emergencies. Your wireless device 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 another 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 device 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 device while operating a vehicle.

DECLARATION OF CONFORMITY

Hereby, **LG Electronics** declares that this **LM-Q730VM** product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. A copy of the Declaration of Conformity can be found at **http://www.lg.com/global/declaration**

Cautions

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

CE

- Use your phone in temperatures between 0ºC and 35ºC, if possible. Exposing your phone to extremely low or high temperatures may result in damage, malfunction, or even explosion.
- Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

- 5GHz WiFi Device
"The use of the 5150 – 5350 MHz band is restricted to indoor use only."

	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES	FI	FR
	HR	HU	IE	IS	IT	LI	LT	LU	LV	MT	NL	NO	PL
	PT	RO	SE	SI	SK	UK	AL	ME	RS	MK	TR	BA	XK

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

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

Limited Warranty – USA

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

Should your LG Mobile Phone ("Product") fail due to a defect in materials or workmanship under normal and proper use, during the warranty period set forth below, LG will, at its option, repair or replace the Product. This limited warranty is valid only to the original retail purchaser of the Product and applies only when purchased and used within the United States including U.S. Territories.

Warranty Period	Scope of Warranty
Twelve (12) months from date of original retail purchase (or absent valid proof of purchase, fifteen (15) months from manufacture date)	Parts and Labor (internal/ functional parts only)

- Replacement products and parts are warranted for the remaining portion of the original warranty period or ninety (90) days, whichever is greater.
- Replacement products and parts may be new, reconditioned, refurbished, or otherwise factory remanufactured.
- Replaced Products and parts will become the property of LG.

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THE PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THE ABOVE LIMITED WARRANTY. UNDER NO CIRCUMSTANCES SHALL LG OR ITS U.S. DISTRIBUTORS/DEALERS BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, OR PUNITIVE DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST GOODWILL, LOST REVENUES OR PROFITS, WORK STOPPAGE,

IMPAIRMENT OF OTHER GOODS, COST OF REMOVAL AND REINSTALLATION OF THE PRODUCT, LOSS OF USE, OR ANY OTHER DAMAGES WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE.

LG'S TOTAL LIABILITY, IF ANY, SHALL NOT EXCEED THE PURCHASE PRICE PAID BY YOU FOR THE PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This limited warranty gives you specific legal rights and you may also have other rights that vary from state to state.

HOW SERVICE IS HANDLED:

The original sales receipt specifying the Product and date of purchase is required to obtain warranty service.

LG will not re-install or back-up any data, applications, or software that you have added to your Product. It is therefore recommended that you back-up any such data or information prior to sending the Product to LG to avoid permanent loss of such information

You shall bear the cost of shipping the Product to LG Customer Service. LG shall bear the cost of shipping the Product back to you after completion of service under this limited warranty.

THIS LIMITED WARRANTY DOES NOT COVER:

(1) Damage or defects of the Product resulting from use of the Product in other than its normal and customary manner.

(2) Damage or defects of the Product resulting from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness beyond IP68 tested use, unauthorized modifications/connection/repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of LG, including damage or defects of the Product caused by shipping, blown fuses, spills of food or liquid.

(3) Damage or defects of the Product caused by transportation and/or handling, including scratches, dents, chips, and/or other damage to the finish of your Product including the external housing and cosmetic parts,

unless such damage results from defects in materials or workmanship and is reported within one (1) week of delivery (Call: 1-800-793-8896).

(4) Damage or defects to antennas unless caused directly by defects in material or workmanship.

(5) Damage or defects of the Product resulting from operating the Product contrary to the instructions outlined in the Product owner's manual.

(6) That LG Customer Service was not notified by you of the alleged defect or malfunction of the Product during the applicable limited warranty period.

(7) Products with original serial numbers that have been removed, altered, or cannot be readily determined.

(8) Damage or defects of the Product or missing items to any Product sold "As Is", "With all Faults" or similar disclaimer.

(9) Damage or defect of the Product caused by the use of accessories, parts, consumable cleaning products, or service not provided or approved by LG.

(10) All plastic surfaces and all other externally exposed parts that are scratched or damaged.

(11) Products operated outside published maximum ratings.

(12) Replacement of any consumable parts (such as fuses).

The cost of repair or replacement under the above excluded circumstances shall be borne by you.

TO OBTAIN WARRANTY SERVICE AND ADDITIONAL INFORMATION:

Call 1-800-793-8896 and select the appropriate option from the menu.

Or visit our website at http://www.lg.com.

Or by mail: LG Electronics Customer Service P.O. Box 240007 Huntsville, AL 35813 ATTN: CIC – Mobile Handsets

DO NOT RETURN YOUR PRODUCT TO THE ABOVE ADDRESS.

Please call or write for procedures for obtaining warranty service.

PROCEDURE FOR RESOLVING DISPUTES:

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

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

Notice of Dispute. In the event you intend to commence an arbitration proceeding, you must first notify LG in writing at least 30 days in advance of initiating the arbitration by sending a letter to LG at LG Electronics U.S.A., Inc. Attn: Legal Department- Arbitration 1000 Sylvan Ave, Englewood Cliffs 07632. You and LG agree to engage in good faith discussions in an attempt to amicably resolve your claim. The notice must provide your name, address, and telephone number; identify the product that is the subject of the claim; and describe the nature of the claim and the relief being sought. If you and LG are unable to resolve the dispute within 30 days, either party may proceed to file a claim for arbitration.

Agreement to Binding Arbitration and Class Action Waiver. Upon failure to resolve the dispute during the 30 day period after sending written notice to LG, you and LG agree to resolve any claims between us only by binding arbitration on an individual basis, unless you opt out as provided below. Any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person's or entity's product or claim. More specifically, without limitation of the foregoing, any dispute between you and LG shall not under any circumstances proceed as part of a class or

representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought on a class or representative basis.

Arbitration Rules and Procedures. To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be administered by the American Arbitration Association ("AAA") and will be conducted before a single arbitrator under the AAA's Consumer Arbitration Rules that are in effect at the time the arbitration is initiated (referred to as the "AAA Rules") and under the procedures set forth in this section. The AAA Rules are available online at www.adr.org/consumer. Send a copy of your written demand for arbitration, as well as a copy of this provision, to the AAA in the manner described in the AAA Rules. You must also send a copy of your written demand to LG at LG Electronics, U.S.A., Inc. Attn: Legal Department-Arbitration 1000 Sylvan Avenue Englewood Cliffs, NJ 07632. If there is a conflict between the AAA Rules and the rules set forth in this section, the rules set forth in this section will govern. This arbitration provision is governed by the Federal Arbitration Act. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. All issues are for the arbitrator to decide, except that issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

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

Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees to the AAA unless you seek more than $25,000 in damages, in which case the payment of these fees will be governed by the AAA Rules. Except as otherwise provided for herein, LG will pay all AAA filing, administration and arbitrator fees for any arbitration initiated in accordance with the AAA Rules and this arbitration provision. If you

prevail in the arbitration, LG will pay your attorneys' fees and expenses as long as they are reasonable, by considering factors including, but not limited to, the purchase amount and claim amount. Notwithstanding the foregoing, if applicable law allows for an award of reasonable attorneys' fees and expenses, an arbitrator can award them to the same extent that a court would. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the standards set forth in Federal Rule of Civil Procedure 11(b)), then the payment of all arbitration fees will be governed by the AAA Rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the AAA Rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

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

Opt Out. You may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either: (i) sending an e-mail to optout@lge.com, with the subject line: "Arbitration Opt Out" or (ii) calling 1-800-980-2973. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased; (c) the product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable (the IMEI or MEID or Serial Number can be found (i) on the product box; (ii) on a label on the

back of the product beneath the battery, if the battery is removable; or (iii) from the settings menu via the following path: **Settings** > **System** > **About phone** > **Status**).

You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.