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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.

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Camera features

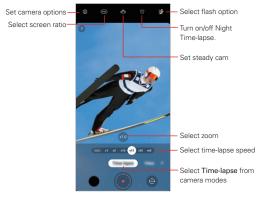
Time-lapse

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 Time-lapse by swiping camera modes.



- 2. 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.
 - 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.

6 Feature Highlight

- 3. Tap **Stop** to stop recording.
 - ▶ The recorded video will be saved in Gallery.
 - NOTE Audio is not recorded during Time-lapse recording.

3D AR Sticker

Depth camera on the back of the device allows you to create realistic **3D AR Effect** by recognizing facial contours in greater detail.

- 1. Tap 💿 Camera and select Sticker by swiping camera modes.
- 2. Tap 3 3D AR Sticker.
- 3. Swipe the sticker list left or right to select the AR sticker to use.
 - The face detected by the camera is scanned in 3D.
- Tap (Capture to take a photo, or tap and hold (Capture to record a video.
 - ▶ The photo is taken with 3D AR Sticker applied.

NOTE The 3D scanning feature of Z-camera is available only for close-up portrait shooting.

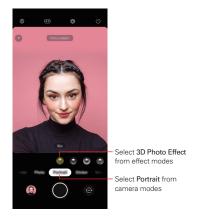
3D Photo Effect

3D Photo Effect allows you to take 3D photos that give a greater sense of depth to portraits by using the Z-camera on the back of the device.

Photos taken with 3D Photo Effect can be viewed as moving pictures in the Gallery app.

You can share 3D photos via Facebook, which supports the Google Depth standard.

- 1. Tap 💽 Camera and select Portrait by swiping camera modes.
- 2. Select 3D Photo Effect by swiping effect modes for Portrait.



- When 3D Photo Effect is available. appears on the screen, tap Capture to take a photo.
 - > The photo will be saved in Gallery.
 - ▶ ④ 3D Photo Effect appears on the image taken with 3D Photo Effect.
- Select a 3D photo from Gallery or Preview and tap View Portrait to apply a photo effect.
 - Select Save a copy or OK after applying the effect.

NOTE This feature is available only on the rear camera.

Audio recording features

Video recording with specialized audio recording options

You can record a video using three different voice recording options to suit your purpose.

- 1. Tap 💿 Camera and select Video by swiping camera modes.
- 2. Tap () Microphone and select Basic, ASMR Recording, or Voice Bokeh by swiping audio options.

Basic

You can record a video with stable stereo sound.

ASMR Recording

With two sensitive microphones in the device, you can record an ASMR video.

Voice Bokeh

You can emphasize the voice of a subject by reducing ambient noise.

▶ To reduce ambient noise, drag the slide bar to <u>Q</u>»).



Recording ASMR sounds

This feature allows you to record the audio clearly and precisely by amplifying the sound from the microphones.

- 1. Tap 🔐 Essentials folder > HD Audio Recorder and tap = > ASMR.
- 2. Tap **Record** to record the audio.
 - ► To pause the recording, tap Pause. To continue the recording, tap Record.
- 3. Tap **O** Stop to end the audio recording.

LG 3D Sound Engine

LG 3D Sound Engine feature allows you to hear stereoscopic and optimized sound. When playing music or video, you can enjoy stereoscopic and immersive sound as if you were listening in the field.

- 1. Drag the notifications panel downwards.
- Tap D LG 3D Sound Engine to turn on or off the LG 3D Sound Engine feature.

Or, tap \bigcirc Settings > Sound > Sound quality and effects > LG 3D Sound Engine and tap \bigcirc ON/OFF to activate it.

NOTE If you connect an external audio device such as an earphone or speaker to the product, a pop-up appears to turn on the LG 3D Sound Engine feature.

LG Pay

LG Pay overview

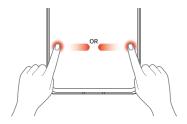
You can make a payment by touching the card reader with a mobile phone that supports LG Pay.

You can use the LG Pay service by adding multiple credit, debit, membership, gift cards, etc. to LG Pay.

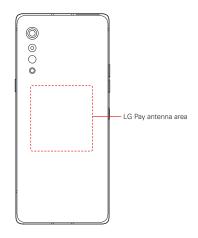
Using LG Pay

This feature allows you to make payments quickly and easily using your phone.

1. Run LG PayQuick by swiping left or right from any side of the screen.



- NOTES The LG PayQuick cue appears on the side of the screen when a card is added to LG Pay.
 - Touch and hold the LG PayQuick cue to change the direction of swiping.
 - To enable/disable the option, open LG Pay and tap
 Options > Settings > LG
 PayQuick > Show LG PayQuick cue.
- 2. Select a card to use by swiping the cards left or right.
- Authenticate by using your registered fingerprints or entering the password for each card.
- Make a payment by touching the LG Pay antenna area of the product on a card reader within 50 seconds.



- NOTES To change the LG PayQuick settings, tap Options > Settings > LG PayQuick in the LG Pay app.
 - If the navigation bar is set to $Buttons \,only,$ swipe up from the bottom center of the screen to run LG PayQuick.
 - If the battery level is 5% or less, LG PayQuick will not run.
 - . The LG Pay app is not pre-loaded on this device. First, download it on Google Play.
 - · For further details, visit https://www.lg.com/us/lg-pay.

Google Assistant

Overview

Google Assistant on mobile makes it easy to get things done no matter where you are. Keep in touch, manage tasks and to do lists, get directions, control your connected home and more whether you are driving, on the go or at home.

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

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.

Say a command or question when you see •••• on the bottom of the screen.

Accessing by Voice

- 1. When the home screen is turned off or locked, just say "Hey Google" to get started.
- When the Google Assistant screen appears, say a command or ask a question.
 - NOTES To use this feature, Voice Match should be turned on. Search for "Voice Match" on Google Assistant, then tap the menu and turn on Hey Google.
 - 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.

- At the bottom center of the product's screen, there is a built-in sensor that recognizes fingerprints. Be careful not to scratch or damage the fingerprint sensor with metal objects such as coins or keys.
- 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.
- The fingerprint function may not work with a tempered glass or thick screen protector. In this case, please remove the screen protector to use the function.
- When you purchase a screen protector, please check with the vendor if it can be used with the fingerprint sensor. Some products may interfere with the fingerprint recognition. The LG limited warranty does not cover damage caused by the use of third party accessories. The LG limited warranty does not cover any problem incurred by using a screen protector.

- 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.

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

NOTES • This feature is available only when the screen lock is set.

- Select from Pattern, PIN and Password to set a second way to unlock your phone. See Setting a Screen Lock for more details.
- 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.

- 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 iii 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.

- 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:

- 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.
 - > Tap to show icon when screen is off: Enable to show the fingerprint icon when the screen is off.
 - Icon effect: Choose an effect which will appear when the fingerprint sensor is touched on the lock screen.

Multi-tasking feature

Recent Uses Screen

Swipe - Navigation bar 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 and hold Navigation bar 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 Gestures navigation

- 1. Swipe Navigation bar up and hold from the bottom of the screen.
 - Recently-used apps appear.
- 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.
- 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 Dividing 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 on Google Play.

Notes on Water Resistant Properties

This product is water and dust resistant in compliance with the Ingress Protection rating IP68.

Your product has undergone testing in a controlled environment and is proven to be water and dust resistant in certain circumstances (meets the requirements of classification IP68 as described by the international standard IEC 60529 - Degrees of Protection provided by Enclosures [IP Code]; test conditions: 15-35 °C/59-95 °F, 86-106 kPa, 1.5 meters, for 30 minutes). Do not expose the device in conditions that are different from the test conditions. Results may vary in actual use.

M WARNING

Despite a rating of IP68, your device is not impervious to conditions not tested in LG's controlled environment. Please note that any damages that occur due to such causes changes the color of the LDI (Liquid Damage Indicator). If the color of LDI located inside the product changes, the product may be considered ineligible for any free-of-charge repair services provided under the product's limited warranty.

Avoid excessive dust or moisture as it may cause damages to the LDI or other internally sealed components and therefore may render your product ineligible for repair services provided under the product's limited warranty. Do not use the product in the following environments:



Do not immerse the product in any liquid chemicals (soap, etc.).



Do not immerse the product in salt water, including seawater.



Do not immerse the product in a hot spring.



Do not swim with this product.



Do not place the product directly on sand (such as at a beach) or mud.



Do not immerse your product in water deeper than approximately 1.5 meters.

Do not immerse your product in water for longer than 30 minutes.

- If your product becomes wet be sure to wipe the microphone, speaker, and stereo jack with a dry cloth before use.
- Should your product or your hands become wet, dry them before handling the product.
- Do not use the product in places where it may be sprayed with high pressure water (e.g. near a faucet or shower head) or submerge it in water for extended periods of time, as the product is not designed to withstand high water pressure.
- Do not drop the product or subject it to shock. Doing so might damage or deform the main unit, causing water leakage.
- The product's water and dust resistant features may be damaged by dropping or receiving an impact.
- If the product gets wet, use a clean, soft cloth to dry it thoroughly.
- The touch screen and other features may not work properly if the device is used while wet.
- Your product is water and dust resistant only when the SIM/Memory card tray is properly inserted into the product.
- Do not open or close the SIM/Memory card tray while the product is wet or immersed in water. Exposing the open tray to water or moisture may damage the product.
- The SIM/Memory card tray contains rubber gasket to help prevent dust, water, or moisture from entering the product. Do not damage the rubber gasket as this may allow dust, water, or moisture to enter your product and cause damage.

NOTE Failure to follow the provided instructions may invalidate your device's limited warranty.

Phone Overview

Front View



- NOTES All screenshots 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 the 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.
- 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.
- 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. 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.
- 8. Fingerprint sensor Allows you to record and use fingerprints to secure your phone.
- 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



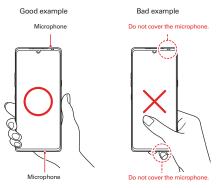


WARNING! Don't attempt to remove the back cover.

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.

- Microphone Transmits your voice to the other caller. It's also used for voice-activated functions.
- 2. Rear cameras Use to take photos and record videos. Keep the lenses clean for optimal performance.
- 3. Flash Brightens up when taking photos or recording videos in low-light environments.

- 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.



- 5. SIM/microSD card slot Insert the SIM card and an optional memory card (not included) for file storage.
- NFC touchpoint Tap the back of your phone to an NFC tag or another NFC compatible device to transfer data between them.
 - NOTE Don't cover the proximity sensor with a protection film, pouch, or protection case not authorized by LG as it may cause the device to malfunction.
- Wireless charging spot This device is compatible with WPC (Qi) certified wireless charger.
- Microphone Transmits your voice to the other caller. It's also used for voice-activated functions.

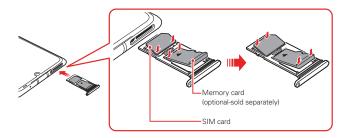
Installing the SIM card and memory card

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. With the device facing down, 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

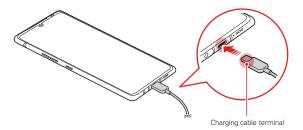
Unmount the memory card before removing it for safety.

- 1. On the home screen, tap 🙆 Settings > Storage > 🛆 Eject.
- 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.
 - · A charging adapter that supports fast charging is included with the product.
 - The fast charging feature may not work if a fast charging adapter other than the genuine adapter provided with the product is used.

- 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.

Wireless charging

This product supports wireless charging. Use a WPC (Qi) certified wireless charger (sold separately) to charge the product.

Some coiled wireless chargers may not support wireless charging. Wireless chargers that support EPP (Extended Power Profile) allow high-speed wireless charging.

Charging the battery with a wireless charger

- 1. Place your device on the center of the wireless charger aligned with the wireless charging antenna on the back of the device.
 - > To check the wireless charging antenna area, see *Phone Overview*.
- 2. When the battery is fully charged, remove the device from the charger.
 - WARNING! When you charge the battery with a wireless charger, do not put magnetic, metallic or conductive materials between the device and the charger. This may disturb charging or the device and the charger may become heated. In this case, the device, charger or SIM/Memory cards may be damaged.

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.
- Charge the device with a WPC (Qi) certified wireless charger (optional, sold separately). Because the LG limited warranty does not cover the use of third party accessories, contact the third party manufacturer.
- Wireless charging may not work when a USB-C headset is connected to the device.

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.
- Restart: Restart the device.
- Emergency: Make an emergency call.

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.



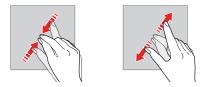
Swiping

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.

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 — Navigation bar on the bottom of the screen.



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 or Buttons only to suit your preferences.
 - ▶ Gestures: To see recent apps, swipe the Navigation bar up and hold.
 - Buttons only: $\langle / / / |$ are available. Tap | to see recent apps.

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

٩.,	In call	ř	Missed call
(٢)	Speakerphone on	¥	Microphone muted
C	Video call		

Sound icons

Θ	Do not disturb - Priority only	۲	Do not disturb - Total silence
ı] ı	Vibrate mode	×	Silent mode
	Music playing	Ш	Music paused

Network icons

((î;+	Wi-Fi connected	(<u>[:</u> ;+	Wi-Fi with no Internet
UG E ↑↓	4G LTE connected	ЧĢ≝ †∓	4G LTE in use
lh.	Signal strength	atl	No signal
Δ	Roaming	Â	Network extender
×	No SIM card	?	Unknown SIM card
Ŧ	Airplane mode	0	GPS on
۲	App update available	्री	App update successful
<u>+</u>	Downloading	<u>↑</u>	Uploading
\leq	Download successful	⚠	Emergency Alert

Connectivity icons

O	Syncing (17) Mobile Hotspot on		Mobile Hotspot on
• [*	USB connected		USB debugging mode
*	Bluetooth connected 🕴 Blue		Bluetooth on
*1	Bluetooth headset battery full 🕴 Bl		Bluetooth headset battery low
N	NFC on		Headset connected
Q	Headset with microphone connected	÷	Internal storage full

Email and Messaging icons

	New Gmail message		New message
മ	New voicemail	Fø	Message not sent

Calendar and Alarm icons

ΰ	Alarm set		Upcoming events
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Battery icons

	Full battery	Φ	Fast Charging
5	Charging battery	(H)	Wireless charging
	Low battery	Ð	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 BDIT.
- If you touch and hold an 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.

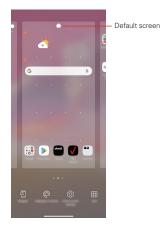


Editing the Home screen

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, theme or AOD option, touch and hold on a blank area of the Home screen, then select Wallpaper & theme. You can also tap Settings > Wallpaper & theme, then select desired options under Wallpaper, Theme, and AOD 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.



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.

\odot	Tap to add emojis.
3	Tap to add stickers.
GF	You can use Tenor GIF keyboard. Tap Accept to use this feature.
2iQ	Tap to open Draw chat.
礅	Tap to access keyboard settings.
Ŷ	Tap to enter text by using voice.
Î	Tap to open the clip tray.
Ø	Tap to enter text by handwriting. It is required to download the input language data for handwriting. Tap Download to download the input language data for handwriting.
X K	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 change the keyboard to one-handed operation mode.
	Tap to adjust the keyboard size and move the keyboard.
8	Tap to adjust the transparency of the keyboard.

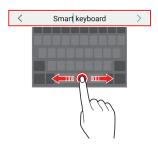
Using the Smart keyboard

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 d / 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 î Clip Tray.

You can also touch and hold the text input window, then select ClipTray.

- 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 Ⅲ 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 C Gallery > Screenshots album.

Using Screenshot to capture a screenshot

On the screen you want to capture, drag the Status Bar downward and tap [] Screenshot (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 cast photos, videos or songs saved on your device to 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 Coptions > 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.

Sending or receiving files

You can share files between your device and nearby devices.

Sending files

From the Gallery or Files app, tap : Options > Share or \ll Share, then select a nearby device.

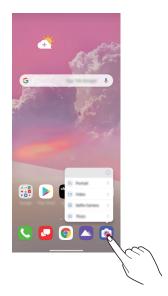
Tap \bigcirc Settings > Connected devices > Nearby Share, then tap \bigcirc ON/ OFF to enable the feature.

NOTES

- Make sure that your device is connected to the same wireless network as the file transfer target device.
 - · Make sure that Nearby Share is activated on both devices.
 - · Nearby Share requires Bluetooth and Location to be on.

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.





AOD (always-on display)

You can view the date, time or signature when the main screen is turned off.

Swipe the bottom of the AOD (always-on display) screen to access features including Camera, Wi-Fi, sound settings, **Bluetooth®**, Flash, Music and more.

- 1. On the home screen, tap 💽 Settings > Display > AOD (always-on display).
- 2. Tap $\bigoplus \mathsf{ON/OFF}$ to enable the feature, then configure the followings as desired.
 - Tap the desired option among Digital clock, Analog clock, Dual clock, Signature, and Image, customize as desired, then tap Save.
 - To set the time period to turn off the Always-on display feature, tap Show display and select the desired option.
 - Tap Quick tools & music player ON/OFF to swipe over the status icons for Quick tools and the music player.
 - ► To enhance brightness for the Always-on display feature, tap Brighter display ON/OFF.
 - **NOTES** The battery may drain faster when you use Always-on display. Turn this feature off to save battery power.
 - To deactivate Always-on display feature, tap Strings > Display > AOD (always-on display), and then tap

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.

Recording modes

You can record a high definition audio file by selecting and configuring the desired audio mode to suit the recording environment.

Normal

You can record audio without extra settings.

ASMR

You can record ASMR sound.

Concert

You can record audio in a concert or other music event.

Custom

You can manually personalize the settings to record audio.

Studio Mode

With Studio mode, you can play an audio file or music and record your voice at the same time, create a chord by recording your voice multiple times, and record your comments over the presenter's or speaker's original audio file.

- On the home screen, tap ﷺ Essentials folder > [●] HD Audio Recorder > ■ Menu > Custom.
- 2. Tap \int_{+} Studio mode.
- 3. Select an audio file to use as background music.

- 4. Tap **Record** to record voice.
- 5. Tap **Stop** to save the recorded file.
 - NOTE Background music can only be played through earphones. Make sure to plug in earphones before using this feature.

Calculator

Using your calculator

- 1. On the home screen, tap 💕 Essentials folder > 🖶 Calculator.
- Tap the number buttons and the function buttons (+, -, × or -) as necessary. The result automatically appears as soon as sufficient calculation information is entered.

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 Cine shot, Portrait, Sticker, Time-lapse, 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 **O** Camera and select the desired mode.

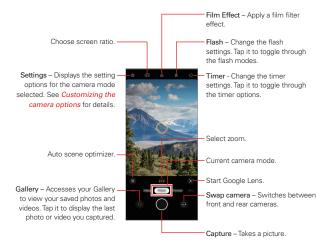


Taking a photo

You can take photos with the camera built in the device.

- 1. Tap 💿 Camera and focus on the subject.
 - > You can touch the subject to focus on.
 - > You may spread or pinch two fingers to zoom in or out.

- 2. Tap Capture to take a photo.
 - You can also press the Volume Down or Volume Up key to take a photo.
 - You can take a photo while recording a video by pressing
 Capture on the screen.
 - The options displayed on the shooting screen may differ depending on the selected camera (front or rear) and camera mode.
 - The camera will turn off automatically if you do not use it for a while after running the Camera app.



You can run the camera app by short-pressing the power key twice. On the home screen, tap \$ 2 Settings > Extensions > Shortcuts and then tap Open Camera to activate it.

When the screen is turned off or locked, start the camera by pressing the Volume Down key twice.

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.

Auto scene optimizer	By recognizing the scene that is being recorded, applies the optimal resolution setting automatically.
Composition	By recognizing the human figure when taking a portrait, recommends the optimal composition.
Tips	Notifies the user when the subject's eyes were closed or the picture is blurry for an optimal result.
Photo size	Allows you to choose the photo size and aspect ratio.
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.
Ultra wide shot distortion correction	Corrects the screen distortion when taking ultra wide-angle photos.
Save as HEIF	Saves storage space by compressing the image file in HEIF format. Other devices may not support image files in HEIF format.
Live photo	Record the action before and after you take a photo.

Shutter sound	You can turn on or off the camera shutter sound while taking a photo.
Grid	Display guide grids so that you can take photos or record videos based on the horizontal and vertical reference lines.
Cheese shutter	Take photos with voice commands.
Add signature	Display a personalized signature on the photos.
Scan QR code	Turn on to scan QR code on the camera preview screen.
Tag locations	Save the image with GPS location data.
Storage	Select if you want to store the pictures and videos in the Internal storage or SD card. (Available when a memory card is inserted.)
Help	Provides help information for each camera menu.

Additional options on the front camera

Selfie distortion correction	Corrects distorted parts of the face.
Save as flipped	Save as flipped images after taking selfies.
Selfie shot	Take a selfie by selecting its option between Gesture shot and Auto shot.

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

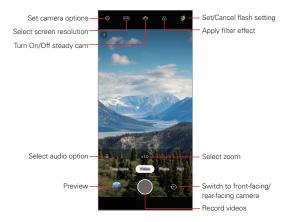
Record time-lapse videos

Tap **O** Camera and select Time-lapse by swiping camera modes.

See *Time-lapse* for more details.

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 (a) 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 ⁽²⁾ Swap.
- 3. Tap (Stop to end the video recording.

Taking a photo

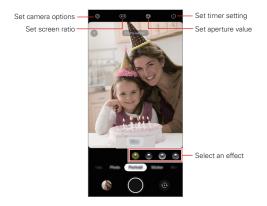
Tap **O** Camera and select Photo by swiping camera modes.

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.
 - > Select a desired effect by swiping effect options for portrait.
 - ▶ Tap (Aperture to adjust the aperture value.
- 2. Tap Capture to take a photo, or tap and hold Capture to record a video.



NOTES

- When you see the message "Portrait is available," start taking a photo or recording a video.
- . The video option is only available on the front camera.
- . 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 a sticker

Tap **O** Camera and select Sticker by swiping camera modes.

See 3D AR Sticker for more details.

Using additional camera modes

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

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 slider left or right.



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

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 **O** Stop to stop capturing the panoramic.

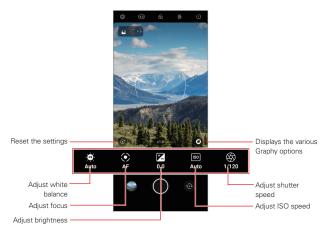


NOTE When moving the camera in one direction, make sure that the screen you shoot is not out of the guide line.

Manual Camera

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

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



4. 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 on Google Play.
- 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.

Photo size	Select values for aspect ratio and size for taking photos.
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.
Ultra wide shot distortion correction	Corrects the screen distortion when taking ultra wide-angle photos.
Graphy photos	Adjusts the white balance, ISO and shutter speed for the recommended photo.
Shutter sound	You can turn on or off the camera shutter sound while taking a photo.
Guide	Displays guide grids so that you can take photos based on the horizontal and vertical reference lines.
Cheese shutter	Allows you to take a photo by saying 'Cheese', 'Smile', 'Whiskey', 'Kimchi', or 'LG'.

Add signature	Displays a personalized signature on the photos.
Tag locations	Saves the image with GPS location data.
Storage	Select if you want to store the pictures and videos in the Internal storage or SD card. (Available when a memory card is inserted.)
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.
- Select Operation Part Slo-mo or Operation All Slo-mo to apply the slow motion effect to it.
 - Part Slo-mo: Allows you to apply a slow motion effect to a specific section of the video.
 - Tap
 Slo-mo at the moment where you want the slow motion effect to be applied. With a short-press, slow motion effect will be applied for 0.5 second. With a long-press, slow motion effect will be applied until you release your finger.
 - ▶ All Slo-mo: 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 Live.
 - 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.

Cine shot

You can record a moment and make a video with only a part of the scene in motion.

While recording a video, hold the device steady. After recorded, rub the area in the video you want in motion. The selected area starts moving and the rest of the video remains still.

- 1. On the home screen, tap O Camera, then tap More > 🔀 Cine shot.
- 2. Tap **Record** to record a 3 second video.
 - ▶ Hold the device steady while recording the video.

3. Tap 🖉 Edit and rub the area you want in motion with the cine shot effect.



- ► Tap ⑦ Loops forward to play the selected area in motion forward repeatedly.
- Tap ⊕ Loops back and forth to play the selected area in motion forward and backward repeatedly.
- 4. Tap SAVE.
 - The selected area will be in motion.

360 Panorama

You can create a 360° panorama photo by moving the camera in one direction.

- 1. Tap 💿 Camera and select More by swiping camera modes.
- 2. Tap 🖂 360 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.
 - ▶ Tap **O** Stop to stop capturing the 360° panorama.
 - A 360 panorama photo is automatically saved in Gallery.



Useful camera features

Taking a photo with the AI feature

When taking a photo, the AI feature recognises a subject and applies the optimum effect to the photo.

NOTE



Tap Al feature to deactivate the Al feature.

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.





Switching between cameras

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

On the camera screen, tap O 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.

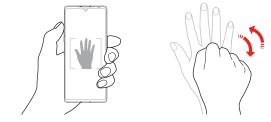
Gesture shot

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 $\{\vec{O}\}$ 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 with Gesture shot enabled, 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 ${\scriptsize \textcircled{O}}$ Settings > Save as flipped.

The image is flipped horizontally.

NOTE When using the front camera, you can change selfie shot settings 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 \mathfrak{D} 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.
- Set an alarm by tapping the hour or minutes and selecting the desired time on the clock graphic. Tap I we 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.
- 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.

To search for a contact

- 1. On the home screen, tap 🔐 Essentials folder > 🕗 Contacts.
- 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.



- The information you entered for the contact is displayed. The following options are available (depending on the types of information saved).

 - 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.

- 4. Enter the contact's name.
- 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.

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

Editing a Contacts entry

- 1. On the home screen, tap Sesentials 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 **Sesentials** folder > **O 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 Sesentials 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

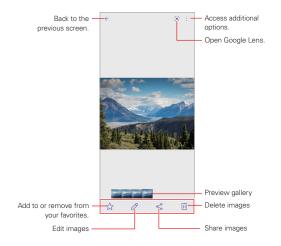
Gallery overview

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

Viewing photos

You can view the photos saved in Gallery.

- 1. Tap C Gallery and select a desired folder.
- 2. Tap a desired photo.
 - ▶ The Gallery app contains Photos, Albums, 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 video screen to the left rewinds (REW) the video and dragging to the right fast-forwards (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 🙆 Game Launcher.
- 2. Select the desired option.

LG Health

LG Health overview

You can set the goal of daily exercise and check the amount of physical exercise to monitor your health and fitness information.

- NOTES
 This device and related software are not intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment or prevention of disease. Consult a doctor before starting an exercise program.
 - LG Health may vary or may not be available, depending on the country and the mobile service provider. LG Health functions that are available and apps that can be added to LG Health may vary, depending on the country. This is due to differing laws and regulations.

Getting started with LG Health

You can configure LG Health when launching the app for the first time or after resetting it.

- 1. On the home screen, tap 🔐 Essentials folder > 📩 LG Health.
- 2. Follow the on-screen instructions to complete the setup.

Using LG Health

You can easily manage the details of physical exercise and health information on LG Health.

- 1. On the home screen, tap 🔐 Essentials folder > 📩 LG Health.
- 2. The following options are available:



- \blacktriangleright : View your exercise logs.
- ▶ <u>Q</u>: Record the route and amount of your physical exercise for each type of exercises performed.
- : Set your daily exercise goals including calories and number of steps, and customize LG Health settings.

Messaging

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

To open the Messaging app

► On the home screen, tap Sessentials folder > O 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.

Messaging	Q I	
No messages	155Q0	
	e	— Tap here to create a new message.

- > Tap an existing message thread to open it.
- ▶ Tap in 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 bottom of the right corner.
- 3. Tap in Delete to confirm you want to delete the message thread.

To send a text message

- Open the Messaging app (set it as your default, if necessary), then tap
 New message.
- 2. Enter the recipient(s) in the To box.
 - ▶ Tap ^Q 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.

- 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

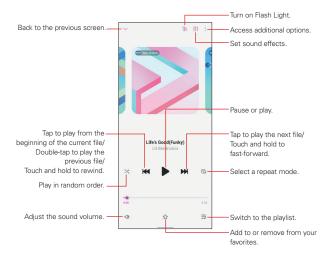
While viewing the received message, tap the message box at the bottom of the screen, complete your response as necessary, then tap **Send**.

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 > **7 Music**.



Playing a song

NOTES

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

Exiting the Music player

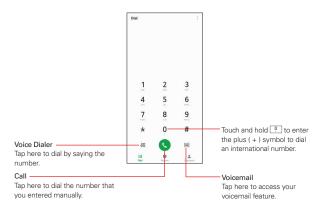
To exit the Music player, swipe the Status Bar downward, then tap X Close in the upper-right corner of the Music notification.

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

Phone

To open the Phone app

• On the home screen, tap 🕓 Phone.



Moving between the Phone app tabs

Tap any of the **Phone** app tabs (**Dial**, **Recent**, and **Contacts**) at the bottom of the screen as desired. The name of the current tab is shown in green.

Making a call by dialing

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

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 ON/OFF.

Add Call — Tap here to add a call to the current conversation.			- U - :	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. Speaker	8 	13 ×		Bluetooth Tap here to switch between using a Bluetooth device and the phone.
Tap here to turn the speakerphone on or off. End — End a call.		9		

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 C 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 S 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 **S** Call.

Deleting your Recent calls

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

- 1. On the home screen, tap C 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 **S** 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 **C** 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.
 - Use the buttons on the dialpad to manually enter a number, then tap the Call.

LG Pay

LG Pay overview

You can make a payment by touching the card reader with a mobile phone that supports LG Pay.

You can use the LG Pay service by adding multiple credit, debit, membership, gift cards, etc. to LG Pay.

NOTES

- The LG Pay app is not pre-loaded on this device. First, download it on Google Play.
- The information provided in this manual may differ depending on the software version, app updates, and the service policy of the card company.
- For more information about how to use LG Pay, please visit the LG Pay website (https://www.lg.com/us/lg-pay).
- The use of LG Pay may be restricted or impossible depending on the country, service provider, card company, and store.
- To use LG Pay, you must have a USIM card with the same name as your payment card.
- If you change the device, add your LG account into your new device to synchronize your membership and gift card information previously used. Please note that previously registered payment cards must be re-registered for security purposes.
- LG Pay requires an active internet connection. You can use a mobile data or WI-FI connection.
- · Depending on your network connection, payments may not be made.
- · Depending on the type of card reader, LG Pay may not be supported.
- If you use a metal case or have metal objects between the device and the case, the recognition rate may be lowered.

Running LG Pay

- 1. Tap LG Pay to run the LG Pay app.
- 2. Tap GET STARTED.
 - NOTES
- Please accept the permissions, and the terms and conditions required to use the LG Pay app.
- LG Pay is only available for LG products and cannot be downloaded on Google Play on third party devices.

Joining LG Pay

To use LG Pay, sign up for an LG account.

Follow the instructions on the screen and complete the required fields.

Setting your LG Pay app password

Set a password to secure the LG Pay app.

Enter six digits for your password, then enter it again to confirm.

Registering your fingerprint

By registering your fingerprint, you can easily pay by fingerprint without entering a payment password.

After agreeing to use your fingerprint, follow the instructions on the screen to register your fingerprint.

NOTES

- Repeat the action by moving the position little by little with the same finger until the fingerprint is registered.
 - Follow the instructions on the screen to register your fingerprint. If you already have a fingerprint registered, this step is not necessary.
 - You can select whether to use fingerprint in Options > Settings in the LG Pay app. If you turn off the fingerprint option, you can pay using your payment password.

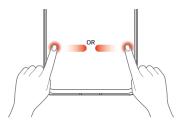
Adding a payment card

- 1. Tap + Add on the top of the LG Pay app main screen.
- 2. Make sure the numbered side of the card is in line with the guidelines on the screen.
 - > Check that your card number and expiration date are correct.
 - If the card's information is recognized, the card information is automatically entered.
 - If your card isn't recognized correctly, tap ENTER MANUALLY to enter your card information.
- 3. Enter the security code (CVC) on the back of the card and tap Next.
- 4. Enter the "User Information (Name / Address)".
- 5. Agree to the credit card company's terms and conditions.
- 6. Tap Done to finish adding your payment card.
 - > To register additionally, click Add additional card.

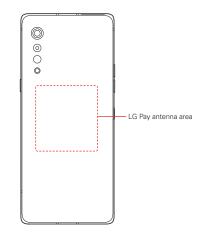
Paying with LG PayQuick

This feature allows you to make payments quickly and easily using your phone.

1. Run LG PayQuick by swiping left or right from any side of the screen.



- NOTES The LG PayQuick cue appears on the side of the screen when a card is added to LG Pay.
 - Touch and hold the LG PayQuick cue to change the direction of swiping.
 - To enable/disable the option, open LG Pay and tap
 Options > Settings > LG
 PayQuick > Show LG PayQuick cue.
- 2. Select a card to use by swiping the cards left or right.
- Authenticate by using your registered fingerprints or entering the password for each card.
- Make a payment by touching the LG Pay antenna area of the product on a card reader within 50 seconds.



- NOTES To change the LG PayQuick settings, tap Options > Settings > LG PayQuick in the LG Pay app.
 - If the navigation bar is set to Buttons only, swipe up from the bottom center of the screen to run LG PayQuick.
 - If the battery level is 5% or less, LG PayQuick will not run.

Setting LG Pay

Tap **Options** > Settings on the top of the LG Pay app main screen to change various settings such as configuration for the LG PayQuick screen, notifications, settings for fingerprint, changing PIN, editing my info, etc.

Canceling the LG Pay service

Canceling LG Pay will delete all data stored on the LG Pay app and server.

- 1. Tap **Options > Settings > About LG Pay** on the top of the main screen.
- 2. Tap Terminate service.

QuickMemo+

QuickMemo+ overview

You can make creative notes by using a variety of options on this advanced notepad feature, such as image edits and screenshots, which are not supported by the conventional notepad.

This device supports the Active Pen AES2.0 (Active Electrostatic).

Creating a note

- 1. On the home screen, tap 🔐 Essentials folder > 💋 QuickMemo+.
- 2. Tap 🕂 Add to create a note.
 - \blacktriangleright : Undo the previous edit.
 - ightarrow : Redo the recently deleted edits.
 - ightarrow T : Enter a note by using the keypad.
 - ▶ ★ : Save your favorite pen types.
 - ▶ 🖊 : Write notes by hand.
 - Service And Ser

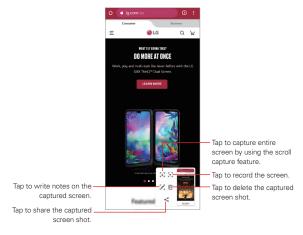
- \mathcal{T} : Change into the calligraphy font as you write by hand.
- Access additional options.

NOTE Tap Cock to lock the navigation bar while making a note.

3. Tap 🕑 Save 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 () Screenshot.
 - The screen is captured and displayed as a thumbnail on the right bottom of the screen.
- 2. To write notes on the screen, tap [2] Edit.
- 3. Write notes using the tools.
 - ▶ 🗖 :Zoom in or out, or adjust the area to capture.
 - ▶ 🖉 : Write notes by hand.
 - C: Erase handwritten notes.
 - \leftarrow : Undo the previous edit.
 - \blacktriangleright \rightarrow : Redo the recently deleted edits.
 - \triangleright \bigcirc_{2} : Crop the screen as you desire.
- 4. Tap \checkmark Save to save the notes.
 - Saved notes can be viewed in Gallery.



Additional features after capturing a screenshot

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 () Screenshot. Then, tap [] Expanded capture 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.
 - · Pinch two fingers or spread your fingers apart to change the memo layout.

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 **Woicemail**.

- 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 2 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.
- After subscribing to the Visual Voicemail service, you'll be prompted to enter the password. To change the password, call voicemail (dial *86).
- After entering the password, your voicemail entries will be displayed in your lnbox.

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

You can use Google apps by setting up your Google Account. The Google Account registration window appears automatically when you use a Google app for the first time. If you do not have a Google Account, create one from your device. For details on how to use an app, see Help in the app.

NOTE Some apps may not work depending on the area or service provider.

Google

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

Gmail

Gmail is an easy to use mail app that keeps your messages safe, makes your inbox smarter, and helps you stay organized.

Google Maps

Explore and navigate your world. Find places you'll love, connect with businesses you're interested in, and get around with real-time traffic information.

YouTube

See what the world is watching in music, gaming, entertainment, news and more. Subscribe to channels, share videos with friends, edit and upload videos, and watch on any device.

Google Drive

Google Drive is a smart online storage and backup that puts all your files within reach from any smartphone, tablet, or computer.

YouTube Music

The new music streaming app. Made by YouTube.

Google Play Movies & TV

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

Google Photos

Google Photos is the home for all your memories to help you find and relive all the moments that matter.

Google Docs

Write, edit, share or collaborate on documents with others from online or from another device.

Google Sheets

Create spreadsheets or edit spreadsheets created online or from another device. Share and edit spreadsheets together with others.

Google Slides

Create presentation material or edit presentation material created online or from another device. Share and edit presentation material together with others.

Google Assistant

Google Assistant is deeply integrated with your Android phone so you can control your apps, your phone, and your connected home faster, using just your voice. It adapts to your needs whether you are driving, on the go or at home.

NOTE Google Assistant is not available in certain languages and countries.

Google Calendar

You can use the calendar to manage events and tasks.

Google Files

Free up space on your phone, find files fast, and easily share them with others.

Google Duo

Simple, high-quality video chat so you never miss a moment.

Google Pay

Brings together all the ways you can pay with Google.

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 O Settings.
- TIP The upper-right corner of the Notifications panel also has a (3): 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

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.
- Tap DWi-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.)

Hotspot 2.0 Enable this option to connect to Wi-Fi that supports Hotspot 2.0 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

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

- 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.

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

Wi-Fi Sharing When you activate this feature with the device connected via Wi-Fi, the shared devices are connected to the network by using the device's Wi-Fi. If this feature is deactivated, the mobile data features is used for network connection.

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.

Ethernet tethering Enable this option to connect other devices to share your data.

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.

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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.
- Tap D 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 <_ of Share.
 - OR

Touch and hold the item you want to send, then select $\ensuremath{\mathbf{Share}}.$ 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 OBluetooth ON/OFF to turn Bluetooth on
- 3. Tap ACCEPT when you receive a data request.

Screen sharing

Allows you to project your phone's content on a compatible TV.

Tap 🚺 to toggle it On or Off.

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

AVAILABLE DEVICES

Displays all of the devices that can project your content via Miracast.

Search Refreshes the available devices list.

Help Displays information regarding how to use Miracast.

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.

ALERTSTO 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.

Nearby Share

You can share various contents with nearby devices.

On the settings screen, tap Connected devices > Nearby Share.

Android Auto

You can control maps, media and messaging, with Google Assistant while you drive.

- 1. On the settings screen, tap Connected devices > Android Auto.
- 2. Tap + CONNECT A CAR.
- 3. Plug a USB cable into your vehicle's USB port and plug the other end of the cable into your device.
- 4. Follow the on-screen instructions.

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.

Live Caption

Set the device to detect the voice in the media and automatically generate subtitles.

Vibration strength

Allows you to set the vibration strength for calls, notifications, and touch feedback.

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.

Notifications

You can check a list of installed apps, and configure the settings for notifications.

- 1. On the settings screen, tap Notifications.
- 2. Customize the settings as desired.

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).

Swipe down on the Home screen Allows you to display Integrated search or Notification panel on the Home screen panel.

Swipe up on the Home screen Allows you to display Integrated search on the Home screen panel.

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.

Status bar

Set the color of the status bar on the top of the screen, or set the notification icon display and battery percentage display.

Navigation bar

Set the style of the navigation bar with **Gestures** or **Buttons only**. You can also change the button combination when you set Buttons only as a style of the navigation bar.

AOD (always-on display)

Enable this option to always display information, such as the date, time and notifications, even when the screen is turned off.

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 b to reset the settings.

Video Enhancer

Enable this option to set HDR effect while playing a video in full screen to make the color brighter and more vibrant.

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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.

Accent color

Change the accent color for settings, menus, notification windows, etc.

Display size

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

Full screen apps

Select apps to open in full screen.

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.

Extra brightness

Allows the display to be brighter than the maximum brightness.

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. 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.

Wallpaper & theme

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

Lock screen & security

SECURITY STATUS

Google Play Protect

Check the device periodically for potentially harmful apps.

Security update

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

Smart 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.

Find My Device

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

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.

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Customize 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.

Weather animation Enable this option to display weather animations for the current location on the Lock screen.

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 Google Play 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.

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.

App pinning 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.

Device Personalization Services

Allows you to get a suggestion based on users, apps, and interactive contents.

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 locationbased apps, such as Maps.

Improve location accuracy 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

Earthquake Alerts Enable this option to receive an alert when an earthquake is detected nearby.

Emergency Location Service Enable this option to use 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 **Manage activity** 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.

Personalized service

You can get intelligent results when using the integrated search.

- 1. On the settings screen, tap Extensions > Personalized service.
- 2. Tap ON/OFF to activate it.

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 \bigcirc 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.

Power screen

Access cards and passes and control connected devices from the Power menu.

- 1. On the settings screen, tap Extensions > Power screen.
- 2. Turn on each function as desired.
 - IoT device controls Control your connected devices from a single spot on your phone.
 - Show when device is locked Displays the IoT device control menu on the lock screen.

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.
- (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.
- In the list of available apps, tap Install to install a copy of a desired app and follow the on-screen instructions.

Pen

You can configure options for using an Active pen (optional-sold separately). Please note that this device supports the Active Pen AES2.0 (Active Electrostatic).

- 1. On the settings screen, tap Extensions > Pen.
- 2. Customize the following settings:
 - Pen key shortcuts: Configure the shortcuts on each button on your Active pen.
 - Pen Pop shortcut: Select which apps (up to five) to display as a shortcut.
 - Memo preview: Enable this option to preview memos.
 - > Drawing sound: Apply sound effects in drawing mode.
 - Show pointer: Enable this option to see a pen pointer over where the pen hovers.
 - Ignore navigation bar gestures: Prevent unwanted uses of the navigation bar gestures when drawing or writing near the edge of the screen with an Active pen.

Shortcuts

You can customize the shortcut key settings.

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

Open Screen-off memo: Press the Volume Up key twice to open Screenoff memo 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.

KnockON

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

Increase touch sensitivity

You can set the touch screen more sensitive to your touch. It is recommended to turn this feature on when using a screen protector.

Application manager

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.

Optimized charging

Adjust charging speed depending on your charging habits to prevent overheating and lengthen battery life.

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.

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.

Google

Allows you to manage your Google apps and account settings.

System

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

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 on Google Play 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 information, Software information, and Legal information.

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 \bigcirc 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 \bigcirc 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.

Live Caption Set the device to detect the voice from the media and automatically generate subtitles.

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

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

TTY mode ATTY (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.

RealTimeText (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.

132 Settings

Touch and hold delay Allows you to set how long you need to touch an item before the device reacts.

Ignore repeated taps Allows you to set how the device interprets your tap action.

Physical keyboard Allows you to customize specified key settings.

Key repeat Enable this option to set how the device reacts when a key is held. Tap ON/OFF to set Delay before repeat and Key repeat interval.

Sticky keys Enable this option to allow you to press modifier keys without having to press and hold.

Sticky keys shortcut Enable this option to enable the Shift button as a shortcut to Sticky keys.

Slow keys Enable this option to set a delay time before input is displayed.

Auto mouse click Enable this option to automatically activate the cursor where the pointer stops. Tap O 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 \bigcirc 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.

User guide

You can view the User guide on your device.

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

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 © 2021 LG Electronics Inc. All rights reserved. LG and the LG logo are registered trademarks of LG Corp.
- VELVET is a trademark of LG Electronics, Inc.
- Google, Android, Google Play, YouTube and other marks 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.
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Laser Safety Statement

FDA Notice

Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007

Caution!

This product employs a laser system. To ensure proper use of this product, please read this owner's manual carefully and retain for future reference. Should the unit require maintenance, contact the LG Authorized Service Center.

Use of controls, adjustments, or the performance of procedures other than those specified herein may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure or make direct contact with the laser.

LUOKAN 1 LASER LAITE KLASS 1 LASER APPARAT CLASSE 1 PRODUIT LASER	KLASS 1	LASER APPARAT	
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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 the 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	ltem details	LG device → LG device	Third party Android device → LG device	iOS device \rightarrow 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-rate-sar-cellphones-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?

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 ZNFG900VM.

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.

TRatings: 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 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 noisecancelling headphones to block out background environmental noise.
- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as 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).

The design of your device complies with the FCC guidelines (and those standards).

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.

150 Safety

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, contact the 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.
- Use and store your device in temperatures between 0 °C/32 °F and 35 °C/95 °F, if possible. Exposing your device to extremely low or high temperatures may result in damage, malfunction, or even explosion.
- 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.
- A charging adapter that supports fast charging is included with the product.
- Do not use third party chargers with your device as they may not support fast charging and may cause damage to your device.

Wireless Charging

- This product supports wireless charging. Use a WPC (Qi) certified wireless charger (sold separately) to charge the product.
- Some coiled wireless chargers may not support wireless charging.
 Wireless chargers that support EPP (Extended Power Profile) allow high-speed wireless charging.

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.
- 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 are smeared with liquid from the battery, wash with fresh water. It may cause skin inflammation. Please contact the 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 shortcircuit the device and/or cause electric shock or fire.

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, contact the LG Authorized Service Center 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.
- 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.
- Use of third party accessories, such as protective films, covers and cases, may interfere with the button, sensor and lens functionalities. The LG limited warranty does not cover damage caused by the use of third party accessories. The LG limited warranty does not cover any problem incurred by using third party accessories.

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 so that 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 cancerecausing agent and the time tumors develop — if they do — may be 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:

166 Safety

- 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.
- 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.
- 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-G900VM 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

Exposure to radio frequency energy

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

This mobile phone model LM-G900VM has been designed to comply with applicable safety requirements for exposure to radio waves. These requirements are based on scientific guidelines that include safety margins designed to assure the safety of all persons, regardless of age and health.

- The radio wave exposure guidelines employ a unit of measurement known as the Specific Absorption Rate (SAR). Tests for SAR are conducted using standardized methods with the phone transmitting at its highest certified power level in all used frequency bands.
- While there may be differences between the SAR levels of various LG phone models, they're all designed to meet the relevant guidelines for exposure to radio waves.
- The SAR limit recommended by the International Commission on Non-lonizing Radiation Protection (ICNIRP) is 2 W/kg averaged over 10g of tissue.
- The highest SAR value for this model phone tested for use at the ear is: 0.447 W/Kg (10g) and when worn on the body is 1.484 W/kg (10g).
- This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 0.5 cm away from the body. When a carry case, belt clip or holder is used for bodyworn operation, it shouldn't contain metal and should position the product at least 0.5 cm away from your body. In order to transmit data files or messages, this device requires a quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Ensure the above separation distance instructions are followed until the transmission is completed.

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 Google Play apps only operate correctly with phones that have a specific screen resolution. Please be advised that some of the apps on Google Play 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 0°C and 35°C, 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	СН	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	Parts and Labor (internal/ functional				
original retail purchase (or absent valid	parts only)				
proof of purchase, fifteen (15) months					
from manufacture date)					

- 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.

EXCEPTTOTHE 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'STOTAL LIABILITY, IF ANY, SHALL NOT EXCEEDTHE PURCHASE PRICE PAID BYYOU FORTHE 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.

<u>Definitions.</u> For the purposes of this section, references to "LG" mean LG Electronics 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 111 Sylvan Avenue, North Building, Englewood Cliffs, NJ 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 111 Svlvan Avenue, North Building, 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.

<u>Governing Law.</u> 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.

<u>Fees/Costs.</u> 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.

<u>Hearings and Location.</u> 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.

<u>Opt Out.</u> 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.



LG Dual Screen (LM-G906N)

*optional-sold separately

Getting to Know LG Dual Screen

You can connect an LG Dual Screen to this product for use.

- NOTES
- You can connect the LG Dual Screen (hereinafter "Dual Screen") to a dedicated LG VELVET (hereinafter "phone"), to use the product.
- Depending on the performance of the a dedicated phone, some features of Dual Screen may be limited. Also, the product may not support other mobile devices.
- This product is not water resistance. Do not expose the device to liquid or moisture.
- If the device is wet, the LDI located inside the device changes in color. In this
 case, the device is ineligible for any free-of-charge repair services provided under
 the device's limited warranty.

Before use

General guide

- > Dual Screen cannot be used alone.
- Do not use or charge the product when there is moisture in the communication and power terminal of the product.
 - This may cause fire, electric shock, injury, or device malfunction.
 - If there is moisture, stop using the device immediately and remove the moisture completely.
- Please note that, if you attach a protective film or protective glass on the product or the screen of the mobile phone, the product may not fold completely.
- If you attach a protective film or thick sticker on the surface of the Dual Screen or the back of the mobile phone, the product may not function properly due to the contact failure of the communication/power terminal.
- If you use the Dual Screen connected to your mobile phone, the wireless charging function or the NFC function may not work properly.
- NOTES This product is not water resistant. Do not expose the device to liquid or moisture.
 - If the color of LDI located inside the Dual Screen changes, the Dual Screen may be considered ineligible for any free-of-charge repair services provided under the product's limited warranty.

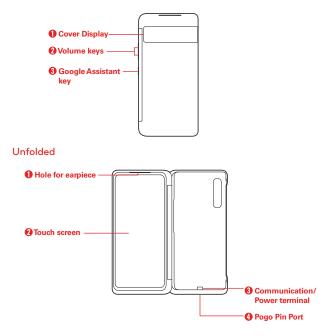
Product components and accessories

The following items are included with your Dual Screen.

- LG Dual Screen
- Quick Start Guide
- Charging Adapter
- WARNING! Make sure to use the authentic accessories provided by LG Electronics. Using products that are not authentic may cause deterioration of phone call quality, device malfunction, etc. The LG limited warranty does not cover damage caused by the use of third party accessories.
 - Some of the Dual Screen parts are made of tempered glass. If you drop your
 product on a hard surface or subject it to severe impact, the tempered glass may
 be damaged. If this happens, stop using your product immediately and contact the
 LG Authorized Service Center.
- NOTES The appearance and specifications of your product are subject to change without notice.
 - The exterior and specifications of the Dual Screen may be changed without prior notification to improve its performance.

Parts overview

Front View



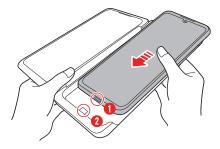
NOTE This manual is designed for users who connect a phone to this Dual Screen. For more information on how to use the Dual Screen, please visit www.lg.com and refer to the detailed user manual.

Plugging the mobile phone into the Dual Screen

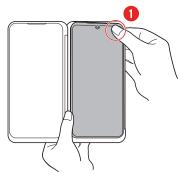
1. Completely unfold the Dual Screen so that it is parallel to a flat surface.



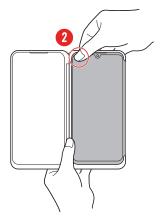
2. Slide the bottom of your phone into the bottom of the Dual Screen as shown in the figure. At this time, make sure that the part 1 of the phone fits the part 2 of the Dual Screen correctly.

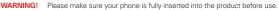


 Press the part () of the phone with your finger to engage the edge of phone with that of the Dual Screen.



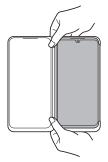
4. Press the part (2) of the phone to fully engage the Dual Screen with the phone.



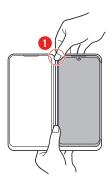


Removing the mobile phone from the Dual Screen

1. Unfold the Dual Screen completely and hold it firmly with both hands as shown in the figure.



2. Press the **1** part of the Dual Screen with your finger while simultaneously pushing the back of the phone with your other finger to pull the edge of the phone out of the Dual Screen.



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3. Pull the (2) part of the phone out of the Dual Screen following the same directions from the previous step.



 Hold the Dual Screen with both hands and slide the phone in the direction of the arrow to remove it. Be careful not to twist the phone left or right or push it up at an excessive angle.



WARNING! Do not lift the phone from the Dual Screen at an excessive angle as shown below.



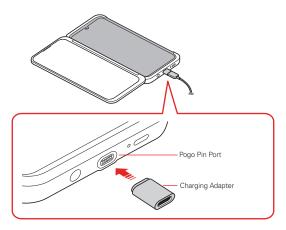
NOTES

- If you pull the phone from the Dual Screen at an excessive angle or with excessive force when removing the phone, you may damage the Communication/Power terminal on the bottom of the Dual Screen or the USB data communication and charger port on the phone. Be sure to push up the phone in the direction of the arrow as shown in the figure when removing it.
 - Be careful not to drop the Dual Screen or the mobile phone while inserting or removing the phone.
 - Some of the Dual Screen parts are made of tempered glass. Dropping the Dual Screen on a hard surface or subjecting it to a strong impact may cause the tempered glass to crack or wear, damaging the Dual Screen or causing injury. If this happens, stop using the Dual Screen immediately and contact the LG Authorized Service Center for repair.
 - · Make sure that your phone is fully inserted into the Dual Screen before use.
 - When you insert or pull out your mobile phone from the product, be cautious not to use excessive force. Doing so may damage the product.
 - In the following situations, the product's folder may not close completely or the product may not operate properly due to the contact failure of the communication/ power terminal.
 - If you attach a protective film, protective glass, or other accessories on the product or the screen of your mobile phone
 - If you attach a protective film or thick stickers on the product's connection area or the rear side of your mobile phone
 - If you insert sheets of paper or cards between the product and your mobile phone
 - If you use the wireless charging or NFC function while your mobile phone is inserted into the product, charging may not work properly.
 - When the phone is mounted on the Dual Screen, it cannot be connected to a TV with an HDMI cable. When the phone is unmounted from the Dual Screen, it can be connected to a TV with an HDMI cable.

Using the Charging Adapter

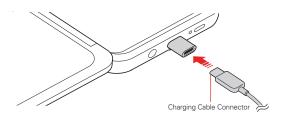
You can use the charging adapter to charge your phone or move data while your phone is inserted into the Dual Screen.

 With the mobile phone mounted on the Dual Screen, connect the charging adapter to the charging port at the bottom of the Dual Screen as shown in the figure below.



NOTE The USB connection via Pogo Pin does not support OTG, audio, HDMI or USB 3.0. For these, directly connect the cable to the port on the phone after removing the Dual Screen.

- 2. Connect a USB Type-C cable.
 - > You can charge the mobile phone or move data.



- NOTES When the charging adapter is not in use, disconnect power of the charger and keep it separately from the charger cable connector. If the magnet part of the charging adapter gets in contact with nearby metals or conductive substances, it may be broken, burned, or damaged from electric shock.
 - Make sure that you always use the charging adapter provided with the Dual Screen. If you lost the charging adapter or want to purchase a new one, contact the LG Authorized Service Center for details.
 - The charging adapter and the charging port at the bottom of the Dual Screen are connected magnetically. Do not shake or pull out the charging adapter while using it.

Using the Dual Screen

Answering and ending a call with the Google Assistant key

With Dual Screen and the phone connected, you can answer a call by pressing the Google Assistant key once. To end the call, press the Google Assistant key twice.

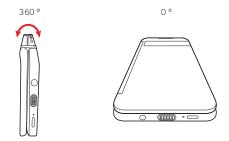
You can answer or end the call with the Google Assistant key only when the cover of the Dual Screen is fully closed.

Make sure that the product and the phone are connected through at least one sync.

When making a phone call

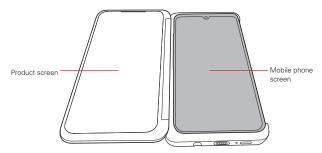
When making a phone call, you can fold the Dual Screen outward to 360 $^\circ$ or fold it inward to 0 $^\circ.$

If you are using the Dual Screen by folding it 360°, make sure that the front and back of the Dual Screen are in full contact. In this case, the screen of the Dual Screen automatically turns off to save the power.



Using the Dual Screen

Unfold the Dual Screen to put the two screens side by side.



When using the product screen and the phone screen at the same time, you may notice a color difference between the two screens.

- Try adjusting the color temperature or RGB levels in Settings > Display Screen Color on your phone to minimize the difference.
- Colors may look different depending on the viewing angle, so adjust the colors while the product is in a fully unfolded state.

Using Dual Screen Home

Getting to Know Dual Screen Home

The Dual Screen home can operate independently from the mobile phone screen.

- It provides quick launch icons and a home touch bar.
- > You can change the background and set up widgets.
- On the home screen, you can also run different apps from the apps drawer and create or delete folders.

Using the Dual Screen Panel

You can open the Dual Screen panel by dragging down the top of the screen.

- > You can adjust the screen brightness on the Dual Screen panel.
 - If you activate synchronization by selecting **Sync**, the screen brightness of the Dual screen comes in sync with that of the connected product.
- > You can tap Screenshot to capture what's on the Dual screen.

- It is automatically saved in Gallery.

> You can turn off the Dual Screen by tapping Dual Screen.

- The Dual screen and the connected mobile phone are disconnected.

You can tap G Dual Screen Setting to access the settings menu of Dual Screen.



Making Changes to Dual Screen Home

Touch and hold an empty area on the Dual screen home and run a desired function.

- To add a widget to the Home screen, touch and hold on a blank area of the Home screen, then select Widgets.
- To change wallpapers, touch and hold on a blank area of the Home screen, then select Wallpapers.
- ➤ 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.



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Viewing the Dual Screen background

You can view only the background image by hiding the apps and widgets on the Home screen.

Spread two fingers apart on the Home screen.

▶ To return to the original screen, which displays apps and widgets, pinch your fingers on the Home screen.





Setting Dual Screen environment

You can set the Dual screen environment on the mobile phone connected to the Dual screen.

1. On the home screen, tap Settings > Display > Dual Screen.

NOTE You must connect your mobile phone to the Dual screen to see the menu item for Dual screen environment setting.

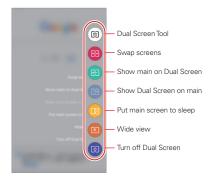
- 2. Select and set the desired functions.
 - Cover Display: You can set whether to use cover display on the front of the Dual screen.
 - **Display timeout**: Automatically turns off the Dual screen when the device is left idle for the specified time.
 - Daily timeout: Set the schedule for which you want to turn off the Dual screen.
 - Dual ScreenTool: If you connect your mobile phone to the Dual screen, the Dual screen tools appear on the screen. The brightness level is synchronized with that of the product.
 - Use Dual Screen: You can turn on and off the Dual screen, switch screens between the mobile phone and the Dual screen.
 - Reverse fold: You can set the behavior for the opposite screen when the Dual screen is folded back.
 - Brightness: You can adjust the screen brightness by moving the control bar to the left or right.
 - Keep the same as main screen: You can synchronize the brightness level with that of the connected mobile phone.
 - Wide view: You can set an app to be expanded on both screens.
 - Wallpaper: You can select the wallpaper for the Home screen.
 - App drawer lcon: You can show or hide the App drawer on your product.
 - Multi App Shortcut: You can set two apps to run on the main screen and Dual screen at the same time.
 - My Pick App: You can select apps to run automatically every time you turn on the Dual screen.
 - NOTE The list of apps that appear on the screen may differ depending on the installed apps.

Dual Screen Tool

If you connect your mobile phone to the Dual screen and turn on the Dual screen, the $\frac{1}{2}$ Dual Screen Tools icon appears on the side of the mobile phone screen.

Tap $\widehat{\ }$ **Dual ScreenTools** to open the **Dual ScreenTools** menu and access the options shown below.

=)/(E)	You can tap it lightly to show or hide the Dual Screen Tools menu.
æ	You can switch the screens between the Dual Screen and the mobile phone.
H	You can send the screen from the mobile phone to the Dual Screen.
Ð	You can bring the screen from the Dual Screen to the mobile phone.
8	If you use the Dual Screen only, you can lower the brightness level of the mobile phone screen (main screen) to save battery. If you do not want to use this function, swipe the main screen.
ß	You can have a web browser screen extended to the Dual Screen to use in Wide view.
ß	You can turn off the Dual Screen.



NOTES If you turn off your mobile phone, the Dual Screen also turns off. However, if you turn off the Dual Screen, the mobile phone stays on.

- This feature is not available on the lock screen and is activated when you unlock the screen.
- The Wide view icon appears among the Dual Screen tools only when you are using specific Google apps.

Using Multi-Page Mode

You can extend the use of an app to the main screen and the Dual Screen for convenience.

- NOTES
 This function is also available in partner apps in addition to the Camera and Gallery apps.
 - The UI may differ depending on the app used.

Using Multi-Page Mode in Camera

You can take a photo or video on the phone or Dual Screen and view the result on the other screen.

- 1. On the home screen, tap **O** Camera on the phone or Dual Screen and take a photo or video.
- 2. After taking a photo or video, select the Preview icon.
 - You can view the photo or video you have taken on the other screen where the camera is not running.
 - NOTES Once you tap the Preview icon to view a photo or video, the preview screen stays on and automatically displays the last photo or video taken as you shoot more photos and videos.
 - This function does not remain active if you close the Camera app and open again.

Using Multi-Page Mode in Gallery

Tap **Expansion** in a folder in Gallery on the Dual Screen or mobile phone to view enlarged photo or video on the opposite screen.

- 1. On the home screen, tap C Gallery on the phone or Dual screen.
- 2. Select an album folder and then tap C Expansion.
 - The photo or video will be displayed in an enlarged view on the opposite screen.
 - ► Tap 🕑 Restore to quit this function.

Using Dual Screen app

Each time you turn on the Dual Screen, the preset Dual screen apps run automatically.

- 1. On the home screen, tap Settings > Display > Dual Screen > My Pick App.
- Select the apps that will run automatically each time you turn on the Dual Screen.
 - NOTES Some apps cannot be run as Dual screen apps.
 - The list of apps that appear on the screen may vary depending on the installed apps.

Using Dual Screen Wide View

When you are using certain Google apps, you can use the Wide view mode to make a screen to be extended to both screens for a wider view.

- 1. While the mobile phone is connected to the Dual screen, open the Chrome app or other Google app that supports Wide View.
- 2. Tap = Dual Screen Tools, then tap 🖾 Wide view.
- 3. You can extend the screen horizontally or vertically.
 - NOTE When you use the Wide view mode, you can also extend the keyboard input field in either portrait or landscape mode.

Moving between App Screens on Dual Screen

You can swipe the screen with three fingers to move an app screen between the Dual Screen and the mobile phone.

Swipe the app screen left or right with three fingers to move freely between the main screen and the Dual Screen.





Using Dual Keyboard on Dual Screen

While using the keyboard in landscape mode, you can expand the keyboard to use the top screen as an app screen and the bottom screen as a keyboard screen.

- 1. Switch the Dual Screen to landscape mode on the keyboard input screen.
- 2. Tap B Expansion in the keyboard input window of the Dual screen.
 - You can type on the keyboard on the bottom screen while viewing the text entered on the top screen.
 - ► Tap 🔁 Return Expansion in the expanded state to return the bottom keyboard to its original position.
 - NOTE To move the app screen up or down, touch the screen with three fingers and swipe in the direction you want to move it. See *Moving between App Screens on Dual Screen* for details.

Using Mirror Mode on Dual Screen

When taking photos using the camera, you can preview the photos on the Dual Screen.

- 1. On the home screen, tap 💿 Camera.
- 2. Tap [] Mirror Mode on the top of the camera screen.
 - Mirror Mode appears on the Dual Screen.



Dual Mirror mode

NOTE You can also take pictures or videos directly from the Dual Screen.

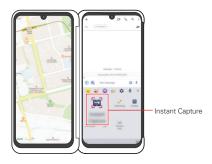
Using Instant Capture on Dual Screen

When the mobile phone is connected to the Dual Screen, the 🖽 Instant Capture function is enabled on the LG Keyboard.

You can use the keyboard on the main screen, capture the screen on the Dual Screen, and insert it directly into the keyboard input window.

Tap 🔄 Instant Capture on the LG Keyboard input screen.

 The screen on the Dual Screen is captured and automatically attached to the keyboard input window.



NOTE You cannot extend the keyboard to both screens with this feature enabled.

LG Game Pad

You can use virtual controllers on the Dual Screen to play games on the mobile phone. When playing the game, separate the main screen and the Dual Screen so that the controller does not block the game screen.

1. On the home screen, tap Game Launcher and select 🙆 LG Game Pad.



2. Tap 🔀 LG Game Pad and then swipe it left and right to select your preferred style of LG Game Pad.



NOTES

LG Game Pad is only available for games that support hardware game pads.

• Depending on the game, some apps or buttons may not support LG Game Pad.

Trademarks

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- Google, Android, Google Play, YouTube and other marks are trademarks of Google LLC.
- All other trademarks and copyrights are the property of their respective owners.

More Dual Screen information

Precautions on product handling

- You can use the Dual Screen by connecting it to the phone. The Dual Screen does not work independently. This Dual Screen is only compatible with the phone.
- In the following cases, the Dual Screen may not fold completely or the Dual Screen may malfunction due to poor contact of the communication and power port.
 - When a protective film or glass is attached to the screen of the product or mobile phone.
 - -When a protective film or thick sticker is attached to the engagement surface of the Dual Screen or the back of the mobile phone.
 - When a paper or card is inserted between the Dual Screen and the mobile phone.
- Do not use the Dual Screen or charge the mobile phone with moisture or foreign substance present in the communication and power port of the Dual Screen.
- The wireless charging function or NFC function may not work properly when the mobile phone is inserted in the Dual Screen.
- Do not drop the Dual Screen or apply excessive force, for example, by pressing or bending the Dual Screen. Doing so may damage the Dual Screen.
- This Dual Screen contains magnetic components. Do not place near a magnetic card or magnet.

Using the battery

- > This Dual Screen does not use its own battery.
- ▶ If the Dual Screen is mounted with a phone, it uses the phone's battery.

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.

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 expose to fire, explosion or other hazard.
- Avoid dropping the device. If the device is dropped, especially on a hard surface, and you suspect damage, contact the LG Authorized Service Center for inspection.
- A 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.
- 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 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. Always cover the receptacle when not in use.
- Improper handling of the charging port, as well as the use of an incompatible charger, may cause damage or defect to your device.
- 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.
- Please contact the LG Authorized Service Center immediately if this occurs.

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.
- Do not paint your device.
- Please ensure that the product does not get in contact with liquid. Do not use or recharge the product if it is wet. Once the product becomes wet, the liquid damage indicator changes color. Please note that this may render your product ineligible for repair services provided under the product's limited warranty.

Limited Warranty – USA

ARBITRATION NOTICE: THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG ELECTRONICS ("LG") 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 Dual Screen ("Accessory") 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 own discretion, repair or replace the Accessory. This limited warranty is valid only to the original retail purchaser of the Accessory ("You") and applies only when purchased lawfully and used within the United States including U.S. Territories.

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

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

EXCEPTTOTHE EXTENT PROHIBTED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THE ACCESSORY 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 ACCESSORY, LOSS OF USE, OR ANY OTHER DAMAGES WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. LG'STOTAL LIABILITY, IF ANY, SHALL NOT EXCEED THE PURCHASE PRICE PAID BYYOU FOR THE ACCESSORY.

SOME STATES DO NOT ALLOWTHE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SOTHE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLYTOYOU. THIS LIMITED WARRANTY PROVIDES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTSTHAT VARY FROM STATE TO STATE.

HOW SERVICE IS HANDLED:

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

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

THIS LIMITED WARRANTY DOES NOT COVER:

- (1) Damage or defect of the Accessory resulting from use of the Accessory in other than its normal and customary manner.
- (2) Damage or defect of the Accessory resulting from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, 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 Accessory caused by shipping, blown fuses, spills of food or liquid.
- (3) Damage or defect of the Accessory caused by transportation and/or handling, including scratches, dents, chips, and/or other damage to the finish of your Accessory including the external housing and cosmetic components, unless such damage results from defects in materials or workmanship and is reported to LG within one (1) week of Your receipt of the Accessory (Call: 1-800-793-8896).

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- (4) Damage or defect to antennas unless caused directly by defects in material or workmanship.
- (5) Damage or defect of the Accessory resulting from operating the Accessory contrary to the instructions outlined in the Accessory Quick Start Guide.
- (6) That LG Customer Service was not notified by you of the alleged defect or malfunction of the Accessory during the applicable limited warranty period.
- (7) Accessory with original serial numbers that have been removed, altered, or cannot be readily determined.
- (8) Damage or defect of the Accessory or missing items to any Accessory sold "As Is," "With all Faults" or similar disclaimer.
- (9) Damage or defect of the Accessory caused by the use of accessories, parts, components, 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) Accessory 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/us

Or by mail: LG Electronics Customer Service

P.O. Box 240007

Huntsville, AL 35813

ATTN: CIC - Mobile Handsets

DO NOT RETURN YOUR ACCESSORY 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 ACCESSORY 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 U.S.A., Inc., its parents, subsidiaries and affiliates, and each of their respective 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 Accessory 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 111 Sylvan Avenue, North Building, Englewood Cliffs, NJ 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 Accessory 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 Accessory 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 Bules 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 Bules. You must also send a copy of your written demand to LG at LG Electronics U.S.A., Inc. Attn: Legal Department- Arbitration 111 Sylvan Avenue, North Building, 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.

<u>Governing Law.</u> 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.

<u>Fees/Costs.</u> 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.

<u>Opt Out.</u> 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 Accessory 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 Accessory was purchased; (c) the Accessory 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 Accessory box; (ii) on a label on the back of the Accessory 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 Accessory and do not opt out, then you accept all terms and conditions of the arbitration provision described above.



LG Electronics USA, Inc. 111 Sylvan Avenue, North Building, Englewood Cliffs, NJ 07632

Supplier's Declaration of Conformity 47 CFR § 2.1077 Compliance Information

- 1. Model Name: LM-G906N
- 2. Responsible Party
 - LG Electronics USA, Inc.
 111 Sylvan Avenue, North Building, Englewood Cliffs, NJ 07632
- 3. Internet Contact Information
 - · E-mail: lg.environmental@lge.com
- 4. FCC Compliance 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.

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