USER GUIDE

LG VELVET™

LM-G900VM

OS: Android 10

BC

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.

Camera features

Timelapse Control

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

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

You can also select the time-lapse speed manually.

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

Set camera options ─── Select flash option
Select screen ratio ─── Set steady cam

Select zoom
Select time-lapse speed

Select **Time-lapse** from camera modes
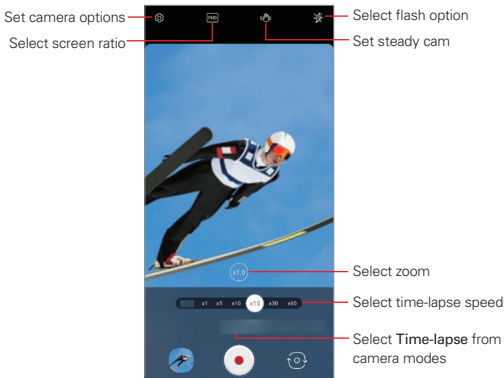
2. Tap ⦿ **Record** to record a video.

  ▸ 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.

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 🎭 **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.

Sticker list

4. 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.

Select **3D Photo Effect** from effect modes

Select **Portrait** from camera modes
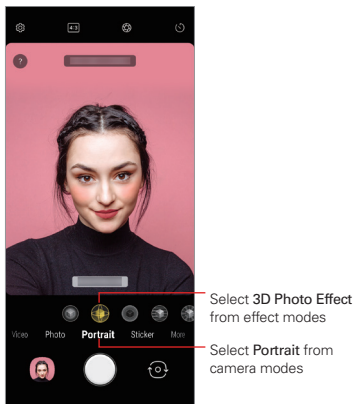
3. When **3D Photo Effect is available.** appears on the screen, tap ◯ **Capture** to take a photo.

   ▸ The photo will be saved in Gallery.

   ▸ appears on the image taken with **3D Photo Effect**.

4. Select a 3D photo from Gallery or Preview and tap (⊛) **3D Effect** 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 specialised 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.
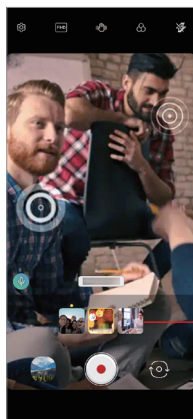
Audio options

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 🧍))).

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 ⏹ **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.

2. Tap 🔊 **LG 3D Sound Engine** to turn on or off the LG 3D Sound Engine feature.
   Or tap ⚙ **Settings** > **Sound** > **Sound quality and effects** > **LG 3D Sound Engine** and tap ⬭ **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.
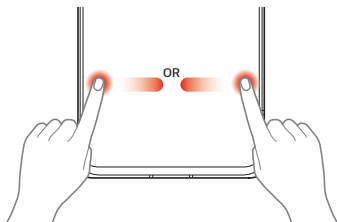
NOTES • The LG PayQuick cue appears on the side of the screen when a card is added to LG Pay.

• 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.

3. Authenticate by using your registered fingerprints or entering the password for each card.

4. Make a payment by touching the LG Pay antenna area of the product on a card reader within 50 seconds.

LG Pay antenna area
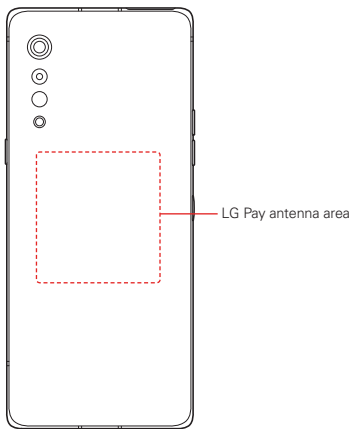
• To change the LG PayQuick settings, tap ⋮ Options > Settings > LG PayQuick in the LG Pay app.

 • 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 from Play Store.

 • For further details, visit https://www.lg.com/us/lg-pay.

Google Assistant

Google Assistant overview

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

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

Accessing by Voice

1. On the Home screen, say "**OK Google**" or "**Hey Google**".

2. When the Google Assistant screen appears, say a command or ask a question.

Accessing from Home Screen or Any Other Screen

1. Press the Google Assistant key on the left side of the device.
   or
   Swipe diagonally from a bottom edge of the screen.

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

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

Fingerprint recognition

Fingerprint recognition overview

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

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

▸ To unlock the screen.

▸ To view locked contents in **Gallery** or **QuickMemo+**.

▸ Confirm a purchase by signing in to an app or identifying yourself with your fingerprint.

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.

▶ If there are foreign substances (sweat, lotion, water, dirt, grease, etc.) on the fingerprint sensor or on the finger to be put on the sensor, fingerprint recognition may not work properly. Wipe the sensor and the finger clean and remove all moisture before putting the finger on the sensor.

▶ If the finger's surface is rough due to it being scarred or pruney from water, the sensor may not be able to recognize the fingerprint. In such a case, register another finger's fingerprint.

▶ If you bend your finger or use the fingertip only, your fingerprint may not be recognized. Make sure that your finger covers the entire surface of the fingerprint sensor.

▶ Scan only one finger for each registration. Scanning more than one finger may affect fingerprint registration and recognition.

▶ The device may generate static electricity if the surrounding air is dry. If the surrounding air is dry, avoid scanning fingerprints, or touch a metallic object such as a coin or a key before scanning fingerprints to remove static electricity.
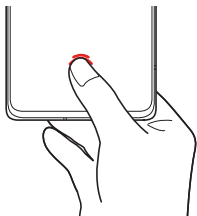
Registering fingerprints

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

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

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

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

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

3. Follow the on-screen instructions.

   ▸ Place your finger on the sensor and hold it until you feel a vibration.

   ▸ Move the same finger around on the sensor a little by little until the fingerprint registration is complete.

4. When the fingerprint registration is done, tap **OK**.

   ▸ Tap **Add more** to register another fingerprint. If you register only one fingerprint and the corresponding finger is not in a good condition, the fingerprint recognition may not work well. As a preventative measure, register multiple fingerprints.

Managing fingerprints

You can edit or delete registered fingerprints.

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

2. Unlock according to the specified lock method.

3. From the fingerprint list, tap a fingerprint to rename it. To delete it, tap 🗑 **Delete**.

Displaying the fingerprint icon when the screen is off

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

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

2. Unlock according to the specified lock method.

3. Tap **Tap to show icon when screen is off** to enable the option.

Unlocking the screen with a fingerprint

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

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

2. Unlock according to the specified lock method.

3. On the fingerprint settings screen, activate the desired function:

   ▸ **Screen lock**: Unlock the screen with a fingerprint.

   ▸ **Content lock**: Access locked contents in Gallery and QuickMemo+ with a fingerprint.

   ▸ **Tap to show icon when screen is off**: Enable to show the fingerprint icon when the screen is off.

   ▸ **Icon effect**: Choose the effect that will show when you tap on the Fingerprint icon.

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.

   ▸ If you tap the app icon, the **App info**, **Multi window** and **Pop-up window** menus appear.

2. Tap the app icon on the top left of the app to be displayed in the multiwindow and select **Multi window**.

‣ The selected app appears on the upper half of the screen.

3. Swipe the recently used apps left or right and tap an app to display on the lower half of the screen.

‣ The selected app appears on the lower half of the screen.

When using Buttons only navigation bar

1. Tap ☐ **Recent apps** on the navigation bar.

‣ Recently-used apps appear.
If you tap the app icon, the **App info**, **Multi window** and **Pop-up window** menus appear.

2. Tap the app icon on the top left of the app to be displayed in the multiwindow and tap **Multi window**.

‣ The selected app appears on the upper half of the screen.

3. Swipe the recently used apps left or right and tap an app to display on the lower half of the screen.

‣ The selected app appears on the lower half of the screen.

NOTES • To adjust the size of the split screen, drag ━ **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 from Play Store.

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.

⚠️ 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.

- This product is not resistant to shock. 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 [packing] to help prevent dust, water, or moisture from entering the product. Do not damage the rubber [packing] 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

❶ **Earpiece**

❷ **Front camera**

❻ **Proximity/Ambient light sensor**

❸ **Volume buttons**

❼ **Power/Lock button**

❹ **Google Assistant button**

❽ **Fingerprint sensor**

❺ **Headset jack**

❾ **USB/Charger port**

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.

2. **Front camera** Use to take pictures and record videos of yourself. You can also use this for video chatting. Keep the lenses clean for optimal performance.

3. **Volume buttons** Press to adjust the ringer, the media volumes, or the in-call volume during a call. They can also activate the camera shutter and access shortcuts when enabled in the Settings menu.

4. **Google Assistant button** Your device has Google Assistant built in. Find answers and get things done while on-the-go. To get started, just press the Google Assistant key on the side of the phone. Press and hold the key to quickly talk to your Assistant. Press the key twice to open Google Lens. See *Google Assistant* for details.

5. **Headset jack** Allows you to plug in an optional headset for convenient, hands-free conversations or recording your voice using the HD Audio Recorder app. You can also plug in headphones to listen to music.

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

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

7. **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.

9. **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

❶ **Microphone**

❺ **SIM/microSD card slot**

❷ **Rear cameras**

❸ **Flash**

❻ **NFC touchpoint**

❼ **Wireless charging spot**

❹ **Speaker**

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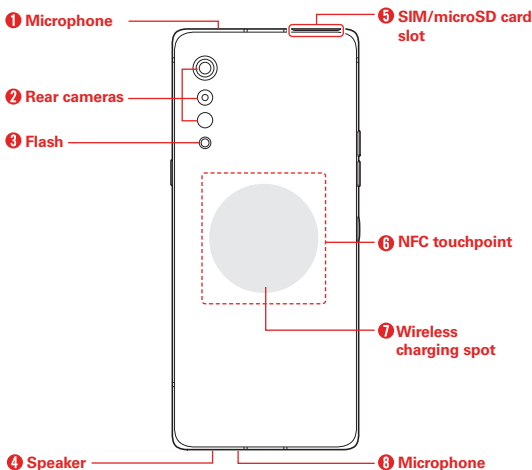
NOTE   Press and hold the volume down button and Power/Lock button at the same time for a second to take a screenshot.

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

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

1. **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.

4. **Speaker** Use to listen to audio (e.g., music, videos, sound clips, speakerphone, etc.) from the rear speaker instead of the earpiece.

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

Good example   Bad example

Microphone   Do not cover the microphone.

Microphone   Do not cover the microphone.
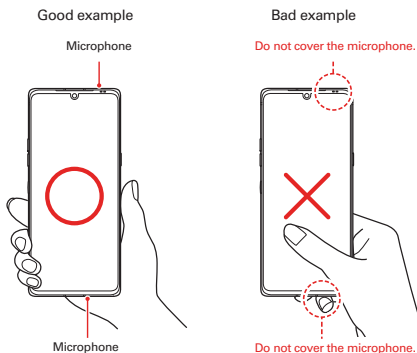
5. **SIM/microSD card slot** Insert the SIM card and an optional memory card (not included) for file storage.

6. **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.

7. **Wireless charging spot** This device is compatible with WPC (Qi) certified wireless charger.

8. **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.
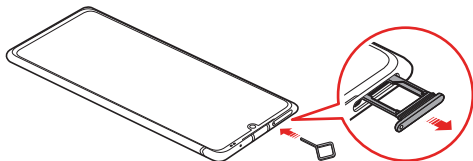
2. Place the SIM card or memory card on the card tray and then insert the card tray into the device in the direction of the arrow.

Memory card (optional-sold separately)
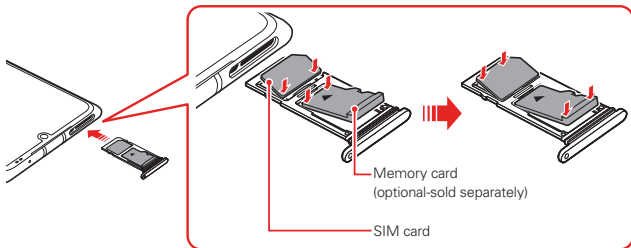
SIM card

<table>
<tr><td>**NOTES**</td><td>

- 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.

</td></tr>
</table>

Removing the memory card

Unmount the memory card before removing it for safety.

1. On the home screen, tap 🔧 **Settings** > **Storage** > △ **Eject**.

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

3. Remove the memory card from the card tray.

4. Insert the card tray back into the slot.

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

Charging Your Phone

Before using the device, fully charge the battery.

Charge the device with the USB Type-C cable.

Charging cable terminal
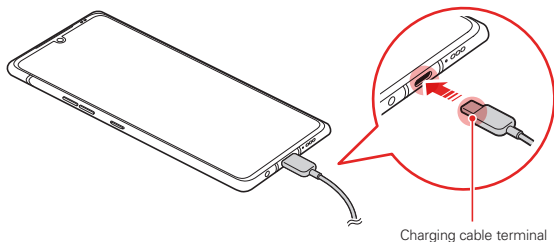
WARNING!
- Do not charge while the device or charging cable is wet or contains moisture. This can cause fire, electric shock, injury or damage to device.
- Make sure to use the USB cable provided with your device.
- Make sure to use an LG-approved charger and charging cable. Charging the battery with 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.

▸ **Power off and restart**: Restart the device.

Touch Screen

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

Tapping

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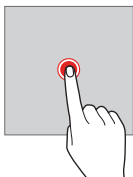
Touching and holding

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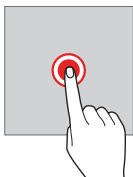
Double-tapping

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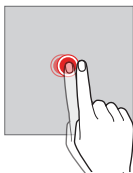
Dragging

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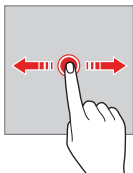
Swiping

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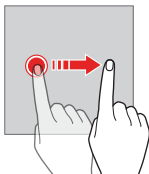
Pinching and spreading

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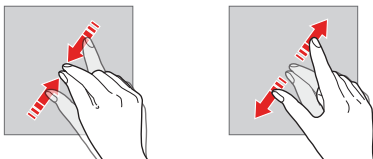
WARNING!	Do not expose the touch screen to excessive physical shock. You might damage the touch sensor.
NOTES	• A touch screen failure may occur if you use the device near a magnetic, metallic or conductive material.
	• If you use the device under bright lights, such as direct sunlight, the screen may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

Getting to Know the Home Screen

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

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

▶ **Status bar**: View status icons, the time and the battery level.

▶ **Weather widget**: View the information of weather and time for a specific area.

▶ **Google search widget**: Perform a Google search by inputting spoken or written keywords.

▶ **Home screen indicator**: Display the total number of Home screen canvases. You can tap the desired page icon to go to the page. The icon reflecting the current canvas will be highlighted.

 ▸ **Quick access area**: Fix main apps at the bottom of the screen so that they can be accessed from any Home screen canvas.

 ▸ **Navigation bar**: You can do some gestures to go to the Home screen, previous screen, Overview screen, or quickly switch between apps.

Going to the Home screen

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

Swipe up to go to the Home screen

Navigation bar ━

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

Changing the style of the Home touch buttons

You can change the style of the Home touch buttons.

1. On the home screen, tap ⚙ **Settings** > **Display** > **Navigation bar**.

2. Under **STYLE**, select **Gestures** or **Buttons only** to suit your preferences.

   ▸ **Gestures**: To see recent apps, swipe the Home button ━ up.

   ▸ **Buttons only**: ◁ / ◯ / ▢ are available. Tap ▢ to see recent apps.

Modifying the Home touch buttons

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

1. On the home screen, tap ⚙ **Settings** > **Display** > **Navigation bar** > **Buttons only**.

2. Select the modification you want to apply.

Status Bar

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

Call icons

📞	In call	☌	Missed call
☎	Speakerphone on	🎙	Microphone muted
🎥	Video call		

Sound icons

⊖	Do not disturb - Priority only	⊜	Do not disturb - Total silence
📳	Vibrate mode	🔇	Silent mode
▶	Music playing	❚❚	Music paused

Network icons

🛜	Wi-Fi connected	🛜	Wi-Fi with no Internet
4G LTE	4G LTE connected	4G LTE	4G LTE in use
ᴧll	Signal strength	ˣll	No signal
△	Roaming	🏠	Network extender
⊠	No SIM card	?	Unknown SIM card
✈	Airplane mode	◉	GPS on
🛞	App update available	📲	App update successful
↓	Downloading	↑	Uploading
↘	Download successful	⚠	Emergency Alert

Connectivity icons

⟳	Syncing	⦅ᴛ⦆	Mobile Hotspot on
⟜	USB connected	P	USB debugging mode
✳	Bluetooth connected	✳	Bluetooth on
✳l	Bluetooth headset battery full	✳l	Bluetooth headset battery low
Ⓝ	NFC on	ᛤ	Headset connected
ᛤ	Headset with microphone connected	🖴	Internal storage full

Email and Messaging icons

🖾	New Gmail message	▢	New message
ᴑᴑ	New voicemail	🗔	Message not sent

Calendar and Alarm icons

⏰	Alarm set	🗓	Upcoming events

Battery icons

🔋	Full battery	⚡	Fast Charging
⚡	Charging battery	🔋	Wireless charging
🔋	Low battery	🔋	Empty battery
✕	Not charging		

Other icons

•••	More notifications	▱	Screenshot saved
⌨	Keyboard		

Notifications panel

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

▸ To open the quick access icons list, drag the notifications panel downwards.

▸ To rearrange, add, or remove icons, tap ⟋ EDIT.

▸ If you touch and hold an icon, the settings screen for the corresponding function appears.
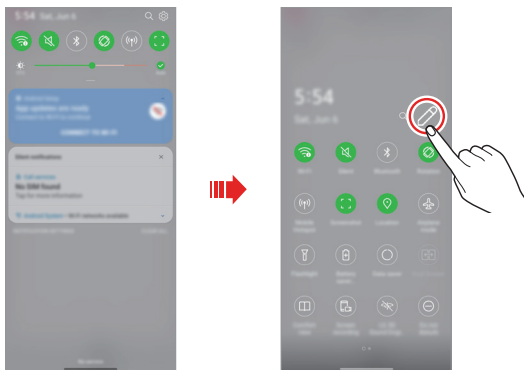
NOTE   You can use the notifications panel even on the lock screen. Drag the notifications panel while the screen is locked to quickly access the desired features.

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** > **Display** > **Home screen > Wallpaper**, 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**.

▸ 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.

Default screen
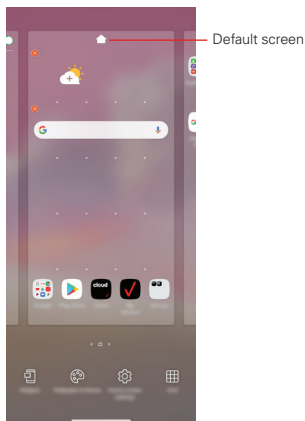
Using folders from the Home screen

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.
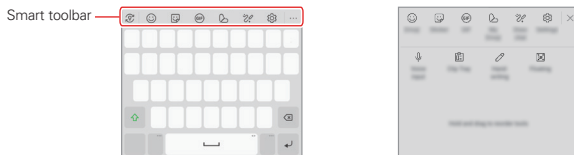
Smart toolbar ──

🎙	Tap to hide the smart tools.
☺	Tap to add emojis.
😊	Tap to add avatar stickers.
GIF	You can use the Tenor GIF keyboard. Tap **Accept** to use this feature.
✎	Tap to add emojis.
✐	Tap to open Draw chat.
⚙	Tap to access keyboard settings.

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

Using the Smart keyboard

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

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

Moving the cursor

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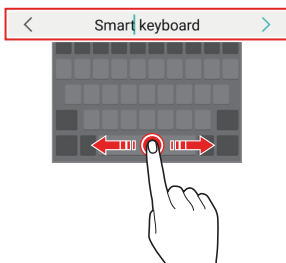
NOTE　　This option is available only on the QWERTY keyboard.

Suggesting words

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

Enter text, then tap a suggested word.
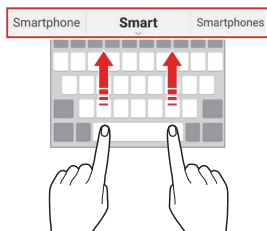
▸ The selected word is automatically entered. You do not need to manually type every letter of the word.

Copy and Paste

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

1. Touch and hold around the text you want to copy or cut.

2. Drag ◗ / ◖ to specify the area to copy or cut.

3. Select either Cut or Copy.

   ▸ Cut or copied text is automatically added to the clipboard.

4. Touch and hold the text input window, then select Paste.

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

Clip Tray

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

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

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

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

   ▸ A maximum of 20 items can be saved to the clip tray.

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

   ▸ Tap 🗑 Trash to delete the items saved to the clip tray.

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

Languages

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

To change the main language

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

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

To add additional languages for your keyboard

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

Capturing a Screenshot

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

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

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

1. Connect the TV and your device to the same Wi-Fi network.

2. While viewing an item in the Gallery or Music app, tap ⊡ Play on other device or ⋮ Options > Play on other device.

3. Select the TV you want to connect to.

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

Viewing content from nearby devices

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

Connecting the devices

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

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

Searching for nearby devices

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

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

Sending or receiving files

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

Sending files

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

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

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

App Shortcuts

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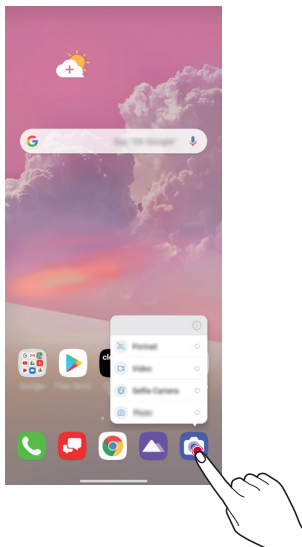
NOTE   This feature is available only on some apps.

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 ⬭ **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 ⚙ **Settings** > **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.

On the home screen, tap 🎛 **Essentials** folder > 🎙 **HD Audio Recorder** > ☰ **Menu**.

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.

1. On the home screen, tap 🎮 **Essentials** folder > 🎵 **HD Audio Recorder** > ☰ **Menu** > **Custom**.

2. Tap ♩₊ **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**.

2. Tap the number buttons and the function buttons ($+$, $-$, $\times$ or $\div$) as necessary. The result automatically appears as soon as sufficient calculation information is entered.

   ▸ To delete the last input, tap ⌫ **DEL**. To clear the display, touch and hold ⌫ **DEL**.

Camera

You can use the Camera app to take and share pictures and videos. Your phone has the integrated triple cameras that let you capture sharp pictures and videos in various angles. It has many state-of-the-art features such as 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 **Camera** and select the desired mode.

Camera modes

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.

   ‣ Select a zoom from (x1.0) / (x0.5).

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.

Film Effect – Apply a film filter effect.

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

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

Start Google Lens.

Current camera mode.

Swap camera – Switches between front and rear cameras.

Capture – Takes a picture.

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

Select zoom.

Auto scene optimizer.

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

Choose screen ratio.

NOTES
- You can run the camera app by short-pressing the power key twice. On the home screen, tap {◯} **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.

- On the home screen, tap {◯} **Settings** > **Extensions** > **Shortcuts** and then tap **Open Camera** ◖●▬ to activate it.

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.
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.
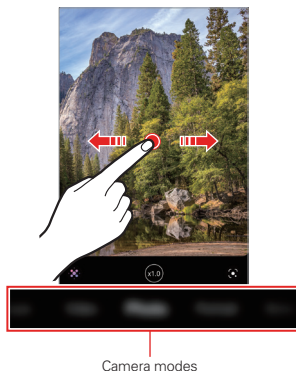
Camera modes

Using camera modes

Record time-lapse videos

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

See *Timelapse Control* for more details.

Recording a video

1. Tap **Camera** and select **Video** by swiping camera modes.

2. Tap ● **Record** to record a video.

Set camera options
Select screen resolution
Turn On/Off steady cam
Set/Cancel flash setting
Apply filter effect
Select zoom
Preview
Switch to front-facing/ rear-facing camera
Record videos
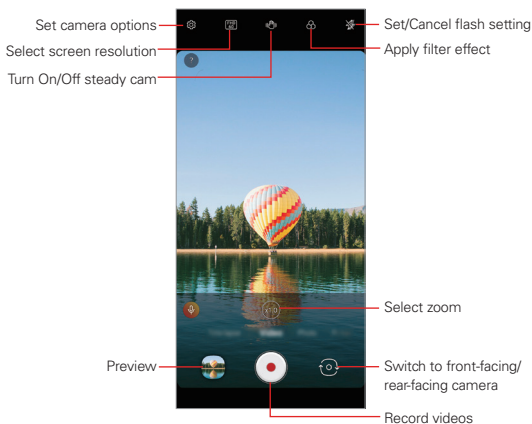
▸ To take a photo while recording a video, tap 🖾 **Capture**.

▸ To pause the video recording, tap ⏸ **Pause**. To resume the video recording, tap ● **Record**.

▸ While recording a video, you may spread or pinch two fingers to zoom in or out.

▸ While recording a video, you may tap the desired area to adjust the brightness.

▸ You can switch to and from the front camera and rear camera while recording a video by pressing ⟨⟩ **Swap**.

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

Taking a photo

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

See *Taking a photo* for more details.

Taking portraits

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

1. Tap 📷 **Camera** and select **Portrait** by swiping camera modes.

▸ 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.

▸ To pause the video recording, tap ⫿⫿ **Pause**. To resume the video recording, tap ⦿ **Record**.

▸ Tap 🔆 **Aperture** to adjust the aperture value while recording a video.

Set camera options
Choose screen ratio
Set timer setting
Set aperture value
Adjust blur strength
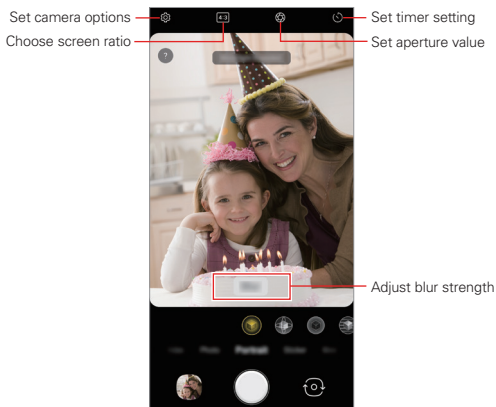
3. Tap ● **Stop** to end the video recording.

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 ● **Camera** and select **Sticker** by swiping camera modes.

See *3D AR Sticker* for more details.

Using additional camera modes

Tap ● **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**.

   ▸ Select a zoom from (x1.0) / (x0.5).

3. Tap ⚪ **Capture** to take a photo.

   ▸ To adjust the brightness of the photo, slide 🌙 **Night view** left or right.

Set camera options ————— Set timer
Select screen ratio —————

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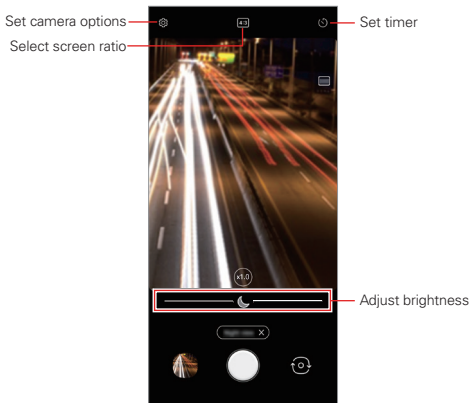
NOTE   Hold the camera steady and firm while taking a photo.

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**.

   ▸ Select a zoom from (×1.0) / (×0.5).

3. Tap ⚪ **Capture** and then slowly move the camera in one direction.

   ▸ Move the device by following the direction of the arrow in the guideline.

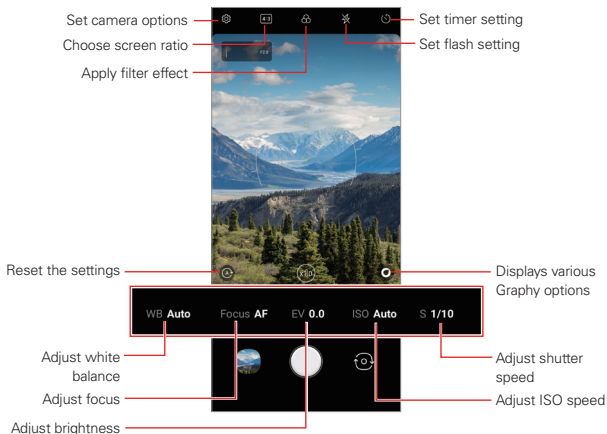4. Tap ⬤ **Stop** to stop capturing the panoramic.

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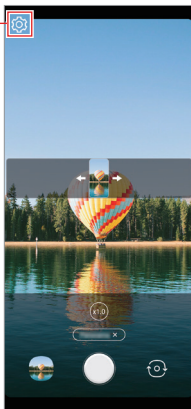
NOTE   When moving the camera in one direction, make sure that the screen you shoot is not out of the guide line.

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.

   ▸ Select a zoom from (×1.0) / (×0.5).

   ▸ 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.

Set camera options
Choose screen ratio
Apply filter effect

Set timer setting
Set flash setting

Reset the settings

Displays various Graphy options

Adjust white balance
Adjust focus
Adjust brightness

Adjust shutter speed
Adjust ISO speed

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 from Google Play Store.
	• You may be charged for data usage, depending on your pricing plan.
	• Tap ⚙ **Settings**, then tap **Graphy photos** 🔘 **ON/OFF** to deactivate this feature.

Customizing the camera options

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

Tap ⚙ **Settings** on the screen.

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.
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**.

3. Select ⊚ **Part Slo-mo** or ⊚ **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.

Settings

Select an interval

Select a flash option
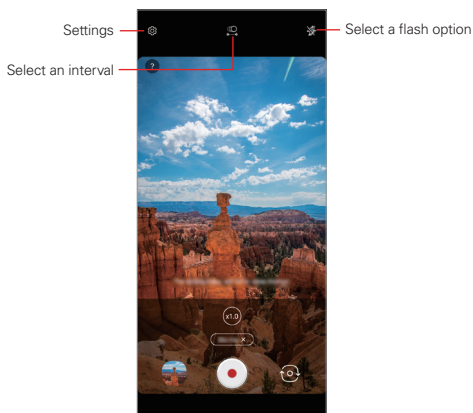
4. Tap ⊙ **Record** to start recording.

   ▸ To pause the video recording, tap ⏸ **Pause**. To resume the video recording, tap ● **Record**.

5. If you want to finish shooting, tap ⊙ **Stop**.

YouTube Live

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

1. On the home screen, tap 📷 **Camera**.

2. Select **More** by swiping camera modes, then tap ((•)) **YouTube**.
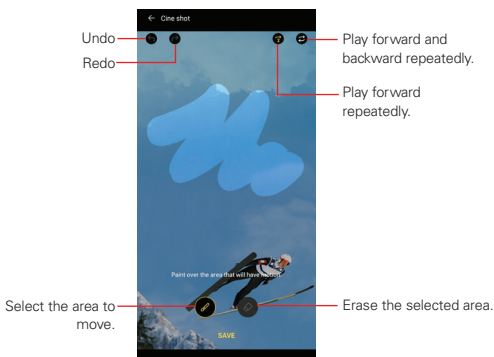
NOTES	• YouTube Live is available only when your device is connected to the Internet. If you use mobile data, you may be charged for data usage, depending on your pricing plan.
	• To use this feature, you must meet the eligibility requirements. Contact **YouTube** for the requirements.

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 📷 **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.

Undo

Redo

Play forward and backward repeatedly.

Play forward repeatedly.

Select the area to move.

Erase the selected area.

   ▷ Tap ⊘ **Erase** to erase the selected area.

   ▷ Tap ↻ **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 ⏹ **Stop** to stop capturing the 360° panorama.

   ▸ A 360 panorama photo is automatically saved in Gallery.

   ▸ While viewing the photo, tap ✉️ **360 Panorama** and drag the screen in any direction to view a 360 panorama photo from various angles.