

USER GUIDE

**LM-V500EM**

# About this user guide

Thank you for choosing this LG product. Please carefully read this user guide before using the device for the first time to ensure safe and proper use.

- Always use genuine LG accessories. The supplied items are designed only for this device and may not be compatible with other devices.
- This handset is not suitable for people who have a visual impairment due to the touch screen keyboard.
- Descriptions are based on the device default settings.
- Default apps on the device are subject to updates, and support for these apps may be withdrawn without prior notice. If you have any questions about an app provided with the device, please contact an LG Service Centre. For user-installed apps, please contact the relevant service provider.
- Modifying the device's operating system or installing software from unofficial sources may damage the device and lead to data corruption or data loss. Such actions will violate your LG licence agreement and void your warranty.
- Some content and illustrations may differ from your device, depending on the area, service provider, software version, or OS version, and are subject to change without prior notice.
- Software, audio, wallpaper, images, and other media supplied with your device are licenced for limited use. If you extract and use these materials for commercial or other purposes, you may be infringing copyright laws. As a user, you are fully responsible for the illegal use of media.
- Additional charges may incur for data services, such as messaging, uploading, downloading, auto-syncing and location services. To avoid additional charges, select a data plan suitable to your needs. Contact your service provider to obtain additional details.

## Instructional notices



**WARNING:** Situations that could cause injury to the user and third parties.



**CAUTION:** Situations that may cause minor injury or damage to the device.



**NOTE:** Notices or additional information.

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# Guidelines for safe and efficient use

Please read these simple guidelines. Not following these guidelines may be dangerous or illegal.

Should a fault occur, a software tool is built into your device that will gather a fault log. This tool gathers only data specific to the fault, such as signal strength, cell ID position in sudden call drop and applications loaded. The log is used only to help determine the cause of the fault. These logs are encrypted and can only be accessed by an authorised LG repair centre should you need to return your device for repair.

## Exposure to radio frequency energy

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

This device 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, or SAR. Tests for SAR are conducted using standardised methods with the device transmitting at its highest certified power level in all used frequency bands.
- While there may be differences between the SAR levels of various LG device models, they are all designed to meet the relevant guidelines for exposure to radio waves.
- The SAR limit recommended by the International Commission on Non-Ionizing Radiation Protection (ICNIRP) is 2 W/kg averaged over 10 g of tissue.
- The highest SAR value for this model tested for use at the ear is 0.243 W/kg (10 g) and when worn on the body is 1.497 W/kg (10 g).
- This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 5 mm away from the body. When a carry case, belt clip or holder is used for body-worn operation, it should not contain metal and should position the product at least 5 mm 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.

## Product care and maintenance

- Use only in-box accessories which are authorised by LG. LG does not guarantee any damage or failure which is caused by third party accessories.
- Some contents and illustrations may differ from your device without prior notice.
- Do not disassemble this unit. Take it to a qualified service technician when repair work is required.
- Repairs under warranty, at LG's discretion, may include replacement parts or boards that are either new or reconditioned, provided that they have functionality equal to that of the parts being replaced.
- Keep away from electrical appliances such as TVs, radios and personal computers.
- The unit should be kept away from heat sources such as radiators or cookers.
- Do not drop.
- Do not subject this unit to mechanical vibration or shock.
- Switch off the device in any area where you are required to by special regulations. For example, do not use your device in hospitals as it may affect sensitive medical equipment.
- Do not handle the device with wet hands while it is being charged. It may cause an electric shock and can seriously damage your device.
- Do not charge a handset near flammable material as the handset can become hot and create a fire hazard.
- Use a dry cloth to clean the exterior of the unit (do not use solvents such as benzene, thinner or alcohol).
- Do not charge the device when it is on soft furnishings.
- The device should be charged in a well ventilated area.
- Do not subject this unit to excessive smoke or dust.
- Do not keep the device next to credit cards or transport tickets; it can affect the information on the magnetic strips.
- Do not tap the screen with a sharp object as it may damage the device.
- Do not expose the device to liquid or moisture.
- Use accessories like earphones cautiously. Do not touch the antenna unnecessarily.

- Do not use, touch or attempt to remove or fix broken, chipped or cracked glass. Damage to the glass display due to abuse or misuse is not covered under the warranty.
- Your device 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 device during or immediately after operation.
- If your device gets wet, immediately unplug it to dry off completely. Do not attempt to accelerate the drying process with an external heating source, such as an oven, microwave or hair dryer.
- The liquid in your wet device, changes the colour of the product label inside your device. Damage to your device as a result of exposure to liquid is not covered under your warranty.
- 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 1.0cm 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.

## Efficient device operation

### Electronics devices

All devices may receive interference, which could affect performance.

- Do not use your device near medical equipment without requesting permission. Please consult your doctor to determine if operation of your device may interfere with the operation of your medical device.
- Pacemaker manufacturers recommend that you leave at least 15 cm of space between other devices and a pacemaker to avoid potential interference with the pacemaker.
- This device may produce a bright or flashing light.
- Some hearing aids might be disturbed by devices.
- Minor interference may affect TVs, radios, PCs etc.
- Use your device in temperatures between 0 °C and 35 °C, if possible. Exposing your device to extremely low or high temperatures may result in damage, malfunction, or even explosion.

## Road safety

Check the laws and regulations on the use of devices in the area when you drive.

- Do not use a hand-held device while driving.
- Give full attention to driving.
- Pull off the road and park before making or answering a call if driving conditions so require.
- RF energy may affect some electronic systems in your vehicle such as car stereos and safety equipment.
- When your vehicle is equipped with an air bag, do not obstruct with installed or portable wireless equipment. It can cause the air bag to fail or cause serious injury due to improper performance.
- If you are listening to music whilst out and about, please ensure that the volume is at a reasonable level so that you are aware of your surroundings. This is of particular importance when near roads.

## Avoid damage to your hearing



To prevent possible hearing damage, do not listen at high volume levels for long periods.

Damage to your hearing can occur if you are exposed to loud sound for long periods of time. We therefore recommend that you do not turn on or off the handset close to your ear. We also recommend that music and call volumes are set to a reasonable level.

- 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.



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

## Glass Parts

Some parts of your device are made of glass. This glass could break if your device is dropped on a hard surface or receives a substantial impact. If the glass breaks, do not touch or attempt to remove it. Stop using your device until the glass is replaced by an authorised service provider.

## Blasting area

Do not use the device where blasting is in progress. Observe restrictions and follow any regulations or rules.

## Potentially explosive atmospheres

- Do not use your device at a refueling point.
- Do not use near fuel or chemicals.
- Do not transport or store flammable gas, liquid or explosives in the same compartment of your vehicle as your device or accessories.

## In aircraft

Wireless devices can cause interference in aircraft.

- Turn your device off before boarding any aircraft.
- Do not use it on the ground without permission from the crew.

## Children

Keep the device in a safe place out of the reach of small children. It includes small parts which may cause a choking hazard if detached.

## Emergency calls

Emergency calls may not be available on all mobile networks. Therefore you should never depend solely on your device for emergency calls. Check with your local service provider for more information.

Use your mobile phone to call emergency services for yourself or others in the case of fire, traffic accident or medical emergencies;

- Australia Dial (0-0-0)
- New Zealand Dial (1-1-1)
- International Dial (1-1-2)
- other local emergency number.

Remember, it is a free call when dialling emergency services from your mobile phone in Australia.



### Notice for Battery replacement

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

## Battery information and care

- You do not need to completely discharge the battery before recharging. Unlike other battery systems, there is no memory effect that could compromise the battery's performance.
- Use only LG batteries and chargers. LG chargers are designed to maximise the battery life.
- Do not disassemble or short-circuit the battery.
- Keep the metal contacts of the battery clean.
- Replace the battery when it no longer provides acceptable performance. The battery pack may be recharged hundreds of times before it needs replacing.
- Recharge the battery if it has not been used for a long time to maximise usability.

- Do not expose the battery charger to direct sunlight or use it in high humidity, such as in the bathroom.
- Do not leave the battery in hot or cold places, as this may deteriorate battery performance.
- Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- If you need to replace the battery, take it to the nearest authorised LG Electronics service point or dealer for assistance.
- Always unplug the charger from the wall socket after the device is fully charged to save unnecessary power consumption of the charger.
- Actual battery life will depend on network configuration, product settings, usage patterns, battery and environmental conditions.
- Make sure that no sharp-edged items such as animal's teeth or claws, come into contact with the battery. This could cause a fire.

## Driver Safety Tips

Your mobile telephone gives you the powerful ability to communicate almost anywhere, anytime, but an important responsibility accompanies the benefits of mobile phones, one that every user must uphold.

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

- Use a hands free device to add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
- 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, ice and even heavy traffic can be hazardous.
- Do not take notes or look up phone numbers while driving. Typing up a "to do" list or flipping through your address book takes attention away from your primary responsibility of driving safely.
- Place calls when you are not moving or before pulling into traffic. Try to plan calls when you will not be driving.

- Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
- Use your mobile phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call the emergency number, as you would want others to do for you.
- 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, local traffic authority or police station.

## Securing personal information

- Make sure to protect your personal information to prevent data leakage or misuse of sensitive information.
- Always back up important data while using the device. LG is not responsible for any data loss.
- Make sure to back up all data and reset the device when disposing of the device to prevent any misuse of sensitive information.
- Read the permission screen carefully while downloading applications.
- Be cautious using the applications that have access to multiple functions or to your personal information.
- Check your personal accounts regularly. If you find any sign of misuse of your personal information, ask your service provider to delete or change your account information.
- If your device is lost or stolen, change the password of your account to secure your personal information.
- Do not use applications from unknown sources.



01

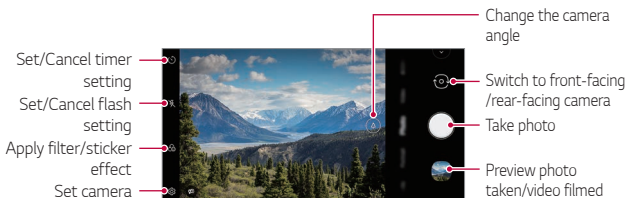
## **Custom-designed Features**

# Camera features

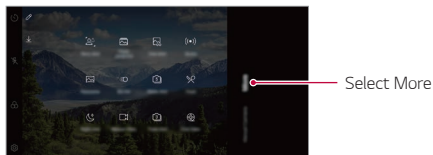
## Camera Main Functions

This chapter describes the main functions that the camera app provides. Run the camera app, and try the functions by following the below instructions.

- 1 Run the camera app on the product's home screen.



- 2 Select **More** on the camera screen.



- Some of the images on this manual were staged to help the user's understanding.

## Steady cam

Use Steady Cam to prevent the camera from shaking when recording a video while walking or making large movements.

Activate Anti-shake to reduce or eliminate blurry image resulting from camera shake while recording a video.

- 1 Tap  >  > **Video**.
- 2 Tap > .
- 3 Tap  to record a video.

## Portrait

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



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

- 1 Tap  > , and tap **Portrait**.
- 2 Drag the slide bar to the left or right to adjust the blur strength.



Adjust blur strength.

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

## Gallery features

### Related content

You can edit and customise related content in the Gallery.

- 1 While viewing a picture preview, tap .
- 2 When the icon related to the date or location where you took the photo appears, touch the screen.



- You can view the photos related to the date or location of your choice.
- Tap  to access additional options.

## Making a GIF

You can create a GIF file from the Gallery.

- 1 While viewing an album, tap  > **Create GIF**.
- 2 Select the desired photos and videos to create a GIF file and then tap **Next**.
  - You can also add/delete a photograph, adjust the speed or screen ratio, set the photograph order, etc.
- 3 Tap **Save**.



- A maximum of 100 images can be used to create a GIF file.

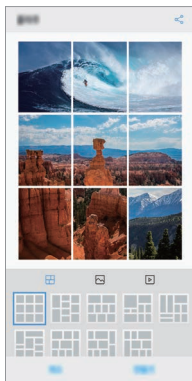
## Making a collage

You can make a collage from the associated content.

- 1 While viewing an album, tap  > **Make collage**.
- 2 Select the desired images to add to the collage and then tap **Next**.
  - Select the desired layout from the bottom of the screen.
- 3 Tap **Make**.



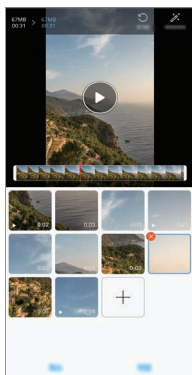
- A maximum of 9 images can be used to create a collage.



## Creating a movie

You can create a new movie by putting images and videos together.

- 1 Run the Gallery app, select a desired folder in the album and tap **Create movie**.
- 2 Select images or videos for your movie and tap **Next**.
- 3 Edit the selected images and videos and then tap **Save**.



## Deleting files

You can select images or videos to delete from your video by tapping  at the top right corner of its thumbnail.

## Adding files

You can select images or videos to add after tapping  at the bottom of the screen. You can also select the images or videos you have already added.



- Touch and hold a file, and then tap another file for multiple selection.

## Rearranging files

To rearrange the images and videos, touch and hold the file you want to move, and then dragging it to the desired location.

## Adding file effects

Tap  to add a theme or background music or change the font.

## Resetting the movie edits

You can reset the edits made to the movie (e.g. play time) by tapping .

## Previewing a file

Check your new video before saving it by tapping . After the playback time elapses, the next file is played automatically.



- A maximum of 50 images and videos can be used to create a video.
- The playback time for an image is 3 seconds by default and it cannot be changed. Videos can be trimmed down to a minimum of 1 second.
- This feature may not support some image or video formats.

## Making a GIF

You can easily make a GIF file using recorded video.

### Creating video

- 1 At the desired starting point while watching a video, tap .
- 2 Select the length of the GIF you want to create.
  - GIF is generated for the time selected from the specified starting point.
  - For videos that are less than 5 seconds, GIF images are automatically generated for the remaining time.

### Creating GIF Photographs

- 1 In the photograph list in the Gallery, tap  > **Create GIF**.
- 2 Select a picture to turn into a GIF photograph, and then tap **Next**.
  - You can add/delete a photograph, adjust the speed or screen ratio, and set the photograph order.



- Creating GIF photographs is a function provided for the user to produce creative images. Violating rights such as intellectual property right or defaming the reputation of another person by using the creating GIF photographs function may lead to a civil or criminal liability in accordance with the related laws. Be cautious not to copy or transmit another person's work without authorisation. LG Electronics is not liable in any way for such acts by users.
- You can select up to 100 photographs to produce when you create a GIF.

# Sound quality and effects features

## DTS:X 3D Surround

You can play a song or video with three-dimensional, immersive and vivid sound. To use this feature, connect earphones, speaker or other external audio devices to your device.

Tap  > **Management** > **Settings** > **Sound** > **Sound quality and effects**, then tap **DTS:X 3D Surround**  to activate this feature.

- You can bring down the status bar in the upper part of the screen and tap the icon for DTS:X 3D sound to activate the function.

If you connect external sound devices such as earphones and speakers to the product, a pop up appears where you can turn on the DTS:X 3D sound or Hi-Fi Quad DAC function.

# Floating Bar

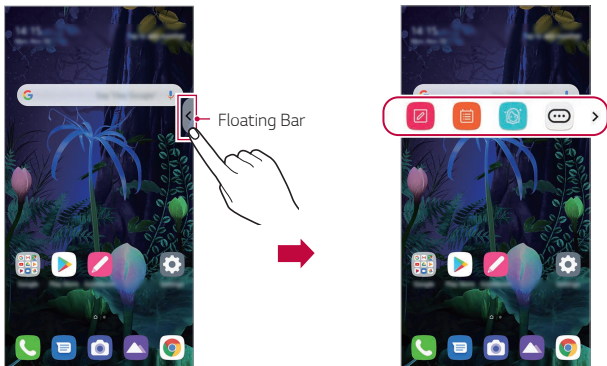
## Floating Bar overview

You can activate frequently used features, including shortcuts, screen capture, music player, and quick contacts, by touching and then swiping the Floating Bar on the screen.

To enable the Floating Bar feature, tap  > **Management** > **Settings** > **Extensions** > **Floating Bar** .

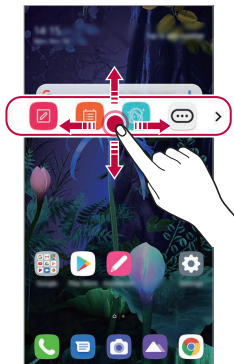
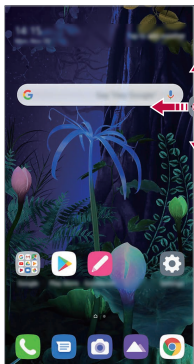
## Opening and closing the Floating Bar

- To open the Floating Bar: Tap < or >.
- To close the Floating Bar: Tap > or <.



## Moving the Floating Bar position

- **Floating bar open:** Touch and hold the Floating Bar, then drag it to the desired location.
- **Floating bar closed:** Touch and hold the Floating Bar, then drag it to the desired location along the edge of the screen.



## Disabling the Floating Bar

You can disable the Floating Bar by using one of the following methods:

- Touch and hold < or > on the Floating Bar and then drag it to the delete area at the top of the screen.
- Tap < or > on the Floating Bar, and then tap  >  at the top of the screen.
- Tap  > **Management** > **Settings** > **Extensions** > **Floating Bar** .

## Setting the Floating Bar

You can select the content to display on the Floating Bar and change its display order. Tap  from the Floating Bar or tap  > **Management** > **Settings** > **Extensions** > **Floating Bar**.

- **Position:** You can set an area within which you can move the floating bar.
- **Shortcuts:** Quickly access frequently used apps or features.
- **Screen capture:** Capture the screen to crop the desired part or to create a GIF file.

|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | You can use Capture+ on the desired screen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|  | You can capture a scrolling screenshot and use it for Q Memo+ or save it in the Gallery.                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|  | You can capture a desired area and use it for Q Memo+ or save it in the Gallery.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|  | <p>Save the current screen as a GIF file. You can adjust the size of the image you want to capture.</p> <ul style="list-style-type: none"><li>• To move to the desired location, drag .</li><li>• To start recording a GIF, tap .</li><li>• To stop recording a GIF, tap .</li></ul> |

- **Music player:** Control the music you are listening to.
- **Quick contacts:** Call or message people set as quick contacts.



- A maximum of 5 apps or features can be added to the shortcuts.
- A maximum of 5 contacts can be added as quick contacts.
- GIF capture is a function provided for the user to produce creative images. Violating rights such as intellectual property right or defaming the reputation of another person by using the GIF capture function may lead to a civil or criminal liability in accordance with the related laws. Be cautious not to copy or transmit another person's work without authorisation. LG Electronics is not liable in any way for such acts by users.
- A GIF can be created up to 15 seconds long.

# Google Assistant

## Google Assistant overview

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



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

## Launching Google Assistant

- 1 Touch and hold  from the Home screen to launch **Google Assistant** or press the Google Assistant key on the left side of the device.
- 2 Tap **GET STARTED**.
- 3 Follow the on-screen instructions and say **"Ok Google"** or **"Hey Google"**.
  - The device saves your voice data for recognition.
- 4 Set whether to use the voice match unlock function.
  - If you use the voice match unlock function, you can unlock the device even when the device screen is turned off or the device is charging by saying **"OK Google"** or **"Hey Google"**.



- This feature may increase security vulnerabilities compared to other screen locks, such as Pattern, PIN, and Password. When a similar voice or your recorded voice is used, the screen may be unlocked.
- To use this feature, tap  > **Management > Settings > Lock screen & security > Secure lock settings > Smart Lock**, and then use the screen lock method you set to unlock the device. Tap **Voice Match**, then tap **Access with Voice Match** , then enter the currently used unlock method again. Note that Swipe is excluded.
- You need to unlock the device by using the specified method if you fail to unlock the device with voice recognition. See [Setting a screen lock](#) for details.

5 Tap **Save**.

## Accessing by Voice

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

## Accessing from Home Screen

- 1 Touch and hold  on the Home screen.
- 2 Say a command or question when you see  on the bottom of the screen.



- In an environment where Wi-Fi or mobile data connection is poor, the Google Assistant function may be restricted and the speech recognition accuracy rate may be lowered.
- If the speech is ambiguous, the microphone is covered, a media player is playing, or the surrounding is loud, the speech recognition accuracy rate may be lowered. When you are using the product via voice commands, say with accurate pronunciation in a quiet environment for better speech recognition accuracy.

# 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 the locked content in the **Gallery** or **QuickMemo+**.
- Confirm a purchase by signing into an app or identifying yourself with your fingerprint.



- You can use fingerprint data for user authentication. There is a possibility that the fingerprint sensor might recognise a different but very similar fingerprint as the same registered fingerprint. To strengthen security, it is recommended that you use the pattern, PIN, or password method for unlocking the screen.
- If the device cannot detect your fingerprint or you forgot the value specified for registration, visit the nearest LG Customer Service Centre with your device and ID card.

## Precautions for fingerprint recognition

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

- The device has a fingerprint sensor. Be careful not to scratch or damage the fingerprint sensor with metal objects such as coins or keys.
- 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 pruned from water, the sensor may not be able to recognise the fingerprint. In such a case, register another fingerprint.
- If you bend your finger or use the fingertip only, your fingerprint may not be recognised. 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 Tap  > **Management > Settings > Lock screen & security > Fingerprints.**

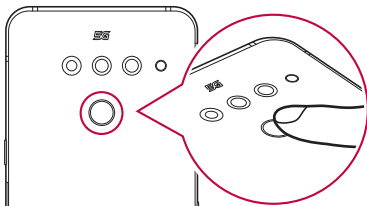


- A lock screen must be set to use this feature.
- If the screen lock is not active, configure the lock screen by following the on-screen instructions. See [Setting a screen lock](#) for details.

- 2 Check the location of the fingerprint sensor and lightly put the finger on the sensor.



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



- 3 Follow the on-screen instructions.
  - Until the fingerprint registration is completed, move the same finger around on the sensor little by little.
  - Put the finger on the sensor. When you feel a vibration, remove the finger from the sensor.
- 4 When the fingerprint registration is done, tap **OK**.
  - Tap **Add more** to register another fingerprint. Since the fingerprint recognition success rate depends on the condition of the registered fingerprint, it is recommended that you register several different fingerprints.

## Managing fingerprints

You can edit or delete registered fingerprints.

- 1 Tap  > **Management** > **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 .

## Unlocking the screen with a fingerprint

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

- 1 Tap  > **Management > 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 screen with a fingerprint.
  - **Content lock:** Unlock content with a fingerprint. To do this, make sure that the content lock is set.

## Face Recognition

### Face Recognition overview

You can unlock the screen lock by using the saved facial data.



- This feature may increase security vulnerabilities compared to other screen locks, such as Knock Code, Pattern, PIN, and Password.
- When a similar face or a photo of your face is used, the screen may be unlocked.
- The recognised facial data is securely stored in your device.
- When the face recognition is selected for screen lock, you must enter the Knock Code, Pattern, PIN, or Password that has been used for face registration without directly using the face recognition after the power is turned on. Accordingly, be careful not to forget the specified value.
- If the device cannot detect your face, or you forgot the value specified for registration, visit the nearest LG Customer Service Centre with your device and ID card.
- To save power, the Face Recognition feature will not work when the battery level is below 5 %.

## Precautions for Face Recognition

Face Recognition accuracy may decrease in the following cases. To increase its accuracy, check the following before using the device.

- When your face is covered with a hat, eyeglasses, or mask, or your face is significantly different due to heavy makeup or beard.
- When there are fingerprints or foreign substances on the front of the camera lens, or your device cannot detect your face due to a too bright or dark light.

## Registering facial data

Before using the Face Recognition feature, register your facial data on your device.

- 1 Tap  > **Management** > **Settings** > **Lock screen & security** > **Face Recognition**.



- To use this feature, the screen lock must be set with a Knock Code, Pattern, PIN, or Password.
- When the screen lock is not set, register the data by following the on-screen instructions. See *Setting a screen lock* for details.

- 2 Tap **NEXT** and unlock the device according to the specified method.
- 3 Tap **START** and raise your device in the front of your eyes.
- 4 Register your face by following the on-screen instructions.
  - Register your face in a room that is not too bright or dark.
  - Position your entire face inside the guideline on the screen, and then adjust it by slowly moving up, down, left, or right.
  - Keep still while registering your face. You can improve recognition rate by taking steady photos multiple times.
- 5 When the face registration is done, tap **OK**.

## Unlocking the screen with your face

You can release the screen lock with your face instead of a Knock Code, Pattern, PIN, or Password.

- 1 Tap  > **Management** > **Settings** > **Lock screen & security** > **Select screen lock**.
- 2 Unlock the screen according to the specified method.
- 3 Tap **Allow face recognition**  to allow you to unlock the screen using facial recognition.

## Improving the Face Recognition

You can add facial data in various conditions to improve Face Recognition.

- 1 Tap  > **Management** > **Settings** > **Lock screen & security** > **Face Recognition**.
- 2 Unlock the screen according to the specified method.
- 3 Select **Improve face recognition**.
- 4 Register your face by following on-screen instructions.
- 5 When the face registration is done, tap **OK**.

## Deleting facial data

You can delete the registered facial data and register it again if the Face Recognition does not work properly.

- 1 Tap  > **Management** > **Settings** > **Lock screen & security** > **Face Recognition**.
- 2 Unlock the screen according to the specified method.
- 3 Select **Delete face** to delete the facial data.

## Unlocking the screen with your face when the screen is turned off

With the screen turned off, raise your device and look at the front of the screen. The device can detect your face and the screen is unlocked.

To deactivate this feature, follow the instruction below.

- 1 Tap  > **Management** > **Settings** > **Lock screen & security** > **Face Recognition**.
- 2 Unlock the screen according to the specified method.
- 3 Drag **Allow when screen is off**  to deactivate the feature.
  - Face Recognition feature is available only when the screen is locked.

## Unlocking the screen with Face Recognition and then screen swiping

With the screen turned off, you can unlock the screen by performing Face Recognition and then swiping the screen.

- 1 Tap  > **Management** > **Settings** > **Lock screen & security** > **Face Recognition**.
- 2 Unlock the screen according to the specified method.
- 3 Drag **Swipe to unlock after face recognised**  to activate the feature.

## Enhancing the Face Recognition

You can prevent your device from being unlocked by photos, images, or videos.

- 1 Tap  > **Management** > **Settings** > **Lock screen & security** > **Face Recognition**.
- 2 Unlock the screen according to the specified method.
- 3 Drag **Advanced face recognition**  to activate the feature.



• Face Recognition speed may decrease when you activate this feature.

# Multi-tasking feature

## Recent Uses Screen

You can view the app screens that you used recently by using the preview function.

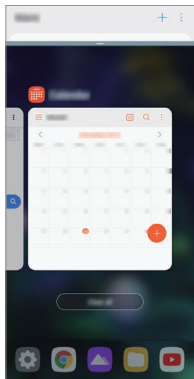
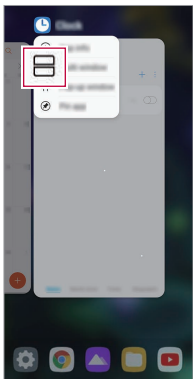
To view the list of apps that you used recently, tap  of the home touch button.

-  > **Management > Settings > Display > Navigation bar > Gesture and Buttons** and then swipe the Home button upward to view the recent use history.

## Multi window

You can use two apps at the same time by separating the screen into multiple windows.

- 1 Tap  from the Home touch buttons.
  - Recently-used apps appear.
- 2 Tap an app icon and tap  at the top of the desired app to use the Multi window feature.
  - The selected app appears at the top half of the screen.





- To adjust the size of the split screen, drag — at the centre of the screen.
- The Multi window feature is not supported by some LG apps and the apps downloaded.

## AOD(always-on display)

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

Swipe the bottom of the Always-on display screen to activate features including Camera, Capture+, Wi-Fi, sound settings, **Bluetooth®**, Flash, Music and more.

- 1 Tap  > **Management** > **Settings** > **Display** > **AOD(always-on display)**.
- 2 Select the image you want to display and tap **Save**.
  - Tap the desired image among Digital clock, Analog clock, Dual clock, Signature, Calendar or Image.
  - Drag **Quick tools & music player**  to swipe over the status icons for Quick tools and the music player.
  - Tap **AI Pick**  to see useful information provided based on Context Awareness.
  - To set the time period not to activate Always-on display feature, tap **Daily timeout**.
  - To enhance brightness for the Always-on display feature, tap **Brighter display**.



- 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  > **Management** > **Settings** > **Display** > **AOD(always-on display)**, and then tap .

# 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, 86-106kPa, 1.5 meter, 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 colour of the LDI (Liquid Damage Indicator). If the colour of LDI located inside the product changes, the product is to be considered ineligible for any free-of-charge repair services provided under the product's limited warranty.

Avoid exposing the product to environments with excessive dust or moisture. Do not use the product in the following environments.



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



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 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.



- Failure to follow the provided instructions may invalidate your device's limited warranty.
- If the device is wet, the LDI located inside the device changes in colour. In this case, the device is ineligible for any free-of-charge repair services provided under the device's limited warranty.
- Despite a rating of IP68, your device is not completely impervious to water in any situation.



02

## **Basic Functions**

# Product components and accessories

The following items are available for use with your device.

- Device
- Stereo headset
- USB cable
- Ejection pin
- Charger
- Quick Start Guide

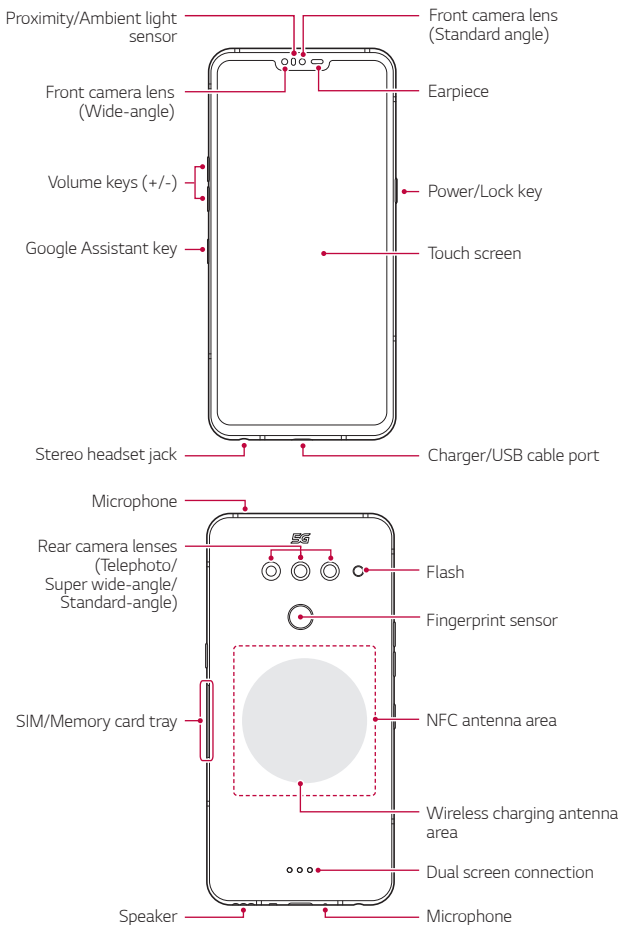


- The items described above may be optional.
- The items supplied with the device and any available accessories may vary depending on the area and service provider.
- Always use genuine LG Electronics accessories. Using accessories made by other manufacturers may affect your device's call performance or cause malfunctions. This may not be covered by LG's repair service.
- 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 an LG Customer Service Centre.



- If any of these basic items are missing, contact the dealer from which you purchased your device.
- To purchase additional items, contact an LG Customer Service Centre.
- Some items in the product box are subject to change without notice.
- The appearance and specifications of your device are subject to change without prior notice for product improvement.
- Device specifications may vary depending on the area or service provider.
- Remove the protective film from the Fingerprint sensor before using the fingerprint recognition feature.

# Parts overview





### **Do NOT 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.

- Proximity/Ambient light sensor
  - Proximity sensor: During a call, the proximity sensor turns off the screen and disables touch functionality when the device is in close proximity to the human body. It turns the screen back on and enables touch functionality when the device is outside a specific range.
  - Ambient light sensor: The ambient light sensor analyses the ambient light intensity when the auto-brightness control mode is turned on.
- Volume keys
  - Adjust the volume for ringtones, calls or notifications.
  - While using the Camera, gently press a Volume key to take a photo. To take continuous photos, press and hold the Volume key.
  - Press the Volume Down (-) key twice to launch the Camera app when the screen is locked or turned off. Press the Volume Up (+) key twice to launch Capture+.
- Power/Lock key
  - Briefly press the key when you want to turn the screen on or off.
  - Press and hold the key when you want to select a power control option.
- Google Assistant key
  - Your device has the Google Assistant built-in. Find answers and get things done while on-the-go. To get started, just tap the Google Assistant key on the side of the phone. Press and hold the key to quickly talk to your Assistant. Double tap to open Google Lens.
  - Activate Google Assistant. See the *Google Assistant* for details.

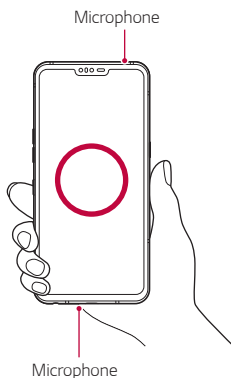
- Fingerprint sensor
  - Turn on the fingerprint recognition feature to simplify the process of unlocking the screen. See *Fingerprint recognition overview* for details.



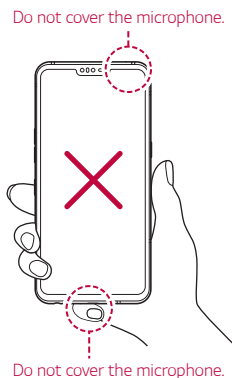
- Some functions may be restricted for access, depending on the device specifications.
- The rear of the device includes a built-in NFC antenna. Be cautious when handling the device to avoid damaging or covering the NFC antenna.
- Do not put heavy objects on the device or sit on it. Failure to do so may damage the touch screen.
- Screen-protective film or accessories may interfere with the proximity sensor.
- If your device is wet or is being used in a humid place, the touch screen or buttons may not function properly.

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



# Turning the power on or off

## Turning the power on

When the power is turned off, press and hold the Power/Lock key.



- When the device is turned on for the first time, initial configuration takes place. The first booting time for the smart phone may be longer than usual.

## Turning the power off

Press and hold the Power/Lock key, then select Power off.

## 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 key and the Volume Down key at the same time until the power is turned off.
- 2 When the device is restarted, release the key.

## Power control options

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

- **Power off:** Turn the device off.
- **Restart:** Restart the device.

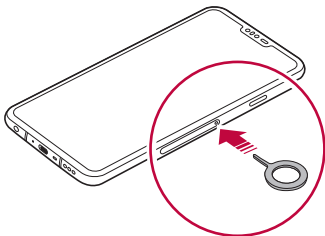
# Installing the SIM card

Insert the SIM (Subscriber Identity Module) card provided by your service provider to start using your device.

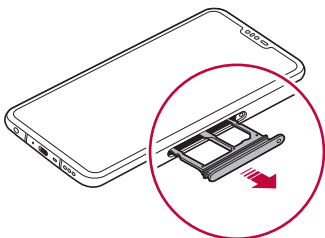


- In order for the water-resistant and dust-resistant features to work effectively, the card tray must be inserted correctly.

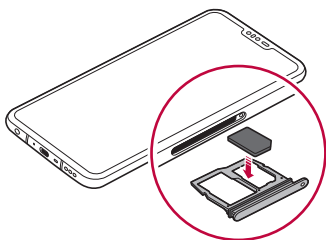
- 1 Insert the ejection pin into the hole on the card tray.



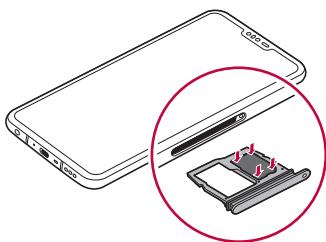
- 2 Pull out the card tray.



- 3 Put the SIM card on the card tray with the gold-coloured contacts facing downwards.



- 4 Insert the card tray back into the slot.



- This device supports only Nano SIM cards.

**Nano**



**Micro**



**Standard**



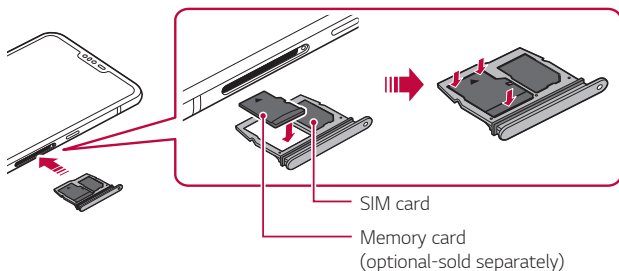
- For problem-free performance, it is recommended to use the device with the correct type of SIM card. Always use a factory-made SIM card supplied by the operator.
- If you insert the card tray into your device while the card tray is wet, your device may be damaged. Always make sure the card tray is dry.

# Inserting the memory card

Insert the memory card into your device.

Depending on the memory card manufacturer and type, some memory card may not be compatible with your device.

- 1 Insert the ejection pin into the hole on the card tray.
- 2 Pull out the card tray.
- 3 Put the memory card on the card tray with the gold-coloured contacts facing downwards.



- 4 Insert the card tray back into the slot.



- 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.



- Frequent writing and erasing of data may shorten the memory card lifespan.

# Removing the memory card

Unmount the memory card before removing it for safety.

- 1 Tap  > **Management** > **Settings** > **Storage** > .
- 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.



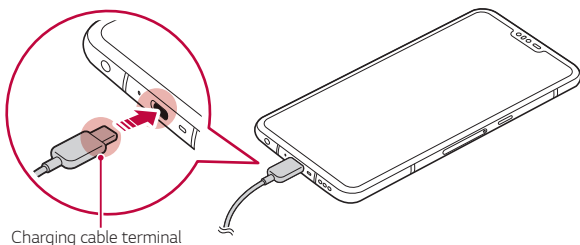
- Do not remove the memory card while the device is transferring or accessing information. This may cause data to be lost or corrupted, or may damage the memory card or the device. LG is not responsible for losses that result from the abuse or improper use of memory cards, including the loss of data.

## Battery

### Charging the battery

Before using the device, fully charge the battery.

Charge the device with the USB Type-C cable.





- Do not use the external terminal, charging cable or gender for the device in presence of moisture. This may cause fire, electric shock, injury, or device malfunction. If there is moisture, stop using the device immediately and remove the moisture completely.
- 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.



- Remove the charger from the power socket after the device is fully charged. This prevents unnecessary power consumption.
- 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.
- Another way to charge the battery is by connecting a USB cable between the device and a desktop or laptop computer. This may take 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.

## 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 device supports wireless charging feature. Charge the device with a Qi certified wireless charger (optional, sold separately).

### Charging the battery with a wireless charger

- 1 Place your device on the centre of the wireless charger aligned with the wireless charging antenna on the back of the device.
  - To check the wireless charging antenna area, see *Parts overview*.
- 2 When the battery is fully charged, remove the device from the charger.



- When you charge the battery with a wireless charger, do not put a 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.



- 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 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.
- This product supports wireless charging. Use a 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.
- LG Electronics is not responsible for any issues concerning accessories of other brands. For such issues, contact the manufacturer of the accessory product.

## 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 minimise battery consumption, follow these tips:

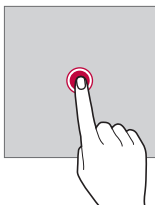
- Turn off the Bluetooth or Wi-Fi network function when not using them.
- Set the screen timeout to as short a time as possible.
- Minimise the screen brightness.
- Set a screen lock when the device is not used.
- Check the battery level while using any downloaded apps.

# Touch screen

You can familiarise 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.



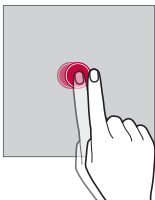
## Touching and holding

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



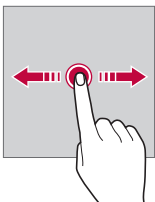
## Double-tapping

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



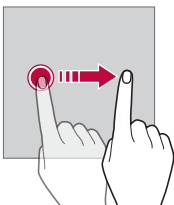
## Dragging

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



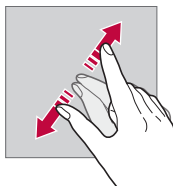
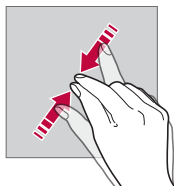
## Swiping

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.



- 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 option you want.
- 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.

# Home screen

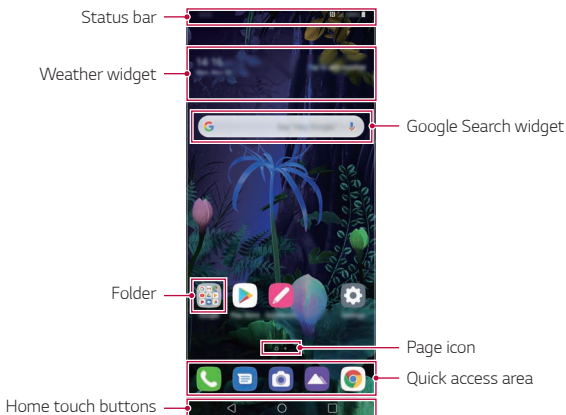
## Home screen overview

The Home screen is the starting point for accessing various functions and apps on your device. Tap  on any screen to directly go to the Home screen.

You can manage all apps and widgets on the Home screen. Swipe the screen left or right to view all installed apps at a glance.

## Home screen layout

You can view all apps and organise widgets and folders on the Home screen.



- The Home screen may differ depending on the manufacturer policy, user settings, software version or service provider.

- **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:** Type or speak to pull open Google Search.
- **Folder:** You can create folders to classify the app based on desired criteria.
- **Page icon:** Display the total number of Home screen canvases. You can tap the desired page icon to go to the page you selected. 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.
- **Home touch buttons**
  - : Return to the previous screen. Close the keypad or pop-up windows.
  - : Tap to go to the Home screen. To launch Google Assistant, touch and hold.
  - : Tap to view a list of recently used apps or run an app from the list. To delete all the recently used apps, tap **Clear all**. To use two apps at the same time with the Multi window feature, touch and hold the button while using an app.

## Changing the style of the Home touch buttons

You can change the style of the Home touch buttons.

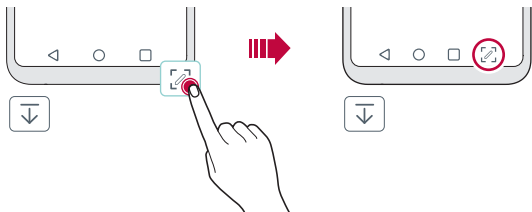
- 1 Tap **○ > Management > Settings > Display > Navigation bar**.
- 2 Under **STYLE**, select an option to suit your preferences.
  - **Gestures:**
    - **Go to Home screen:** Swipe up from the bottom edge of the screen.
    - **Go back:** Swipe in from the left or right edge of the screen.
    - **Go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

## Editing the Home touch buttons

You can rearrange the Home touch buttons or add frequently used functions to the Home touch buttons area.

Tap **○ > Management > Settings > Display > Navigation bar > Button combination** and customise the settings.

- Several functions, including Notification and Capture+, are provided. A maximum of two additional items can be added.



## Status icons

When there is a notification for an unread message, calendar event or alarm, the status bar displays the corresponding notification icon. Check your device's status by viewing notification icons displayed on the status bar.

|                                                                                     |                                            |
|-------------------------------------------------------------------------------------|--------------------------------------------|
|    | No signal                                  |
|    | Data is being transmitted over the network |
|    | Alarm is set                               |
|    | Vibrate mode is on                         |
|    | Bluetooth is on                            |
|    | Connected to a computer via USB            |
|    | Battery level                              |
|    | Airplane mode is on                        |
|    | Missed calls                               |
|    | Wi-Fi is connected                         |
|    | Mute mode is on                            |
|    | GPS is on                                  |
|    | Hotspot is on                              |
|  | No SIM card                                |
|  | The NFC mode is on                         |

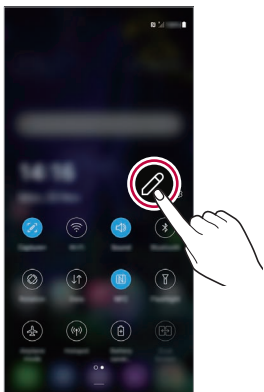
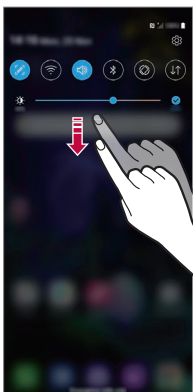


- Some of these icons may appear differently or may not appear at all, depending on the device's status. Refer to the icons according to the actual environment and area in which you are using the device and your service provider.
- Displayed icons may vary, depending on the area or service provider.

## Notifications panel

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

- You can drag down the notice window or tap the arrow icon to open the list of quick setting icons. To use more the quick access icons, drag the quick access icons list downwards one more.
- You can tap  to add, delete or arrange icons in the notice window.
- If you touch and hold the icon, the settings screen for the corresponding function appears.



- 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  > **Management** > **Settings** > **Display** and activate **Auto-rotate screen**.



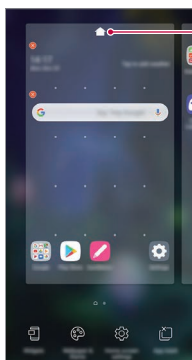
## Editing the Home screen

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 another 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 wallpapers, themes, icons, and AOD, touch and hold on a blank area of the Home screen, then select **Wallpaper & theme**.

You can also tap  > **Management** > **Settings** > **Display** > **Wallpaper & theme**, then select wallpapers, themes, icons, 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**. See *Home screen settings* for details.
- To view or reinstall the uninstalled apps, touch and hold on a blank area of the Home screen, then select **App trash**. See *App trash* for details.
- To change the default screen, touch and hold on a blank area of the Home screen, move to desired screen, tap , then tap the screen once more.



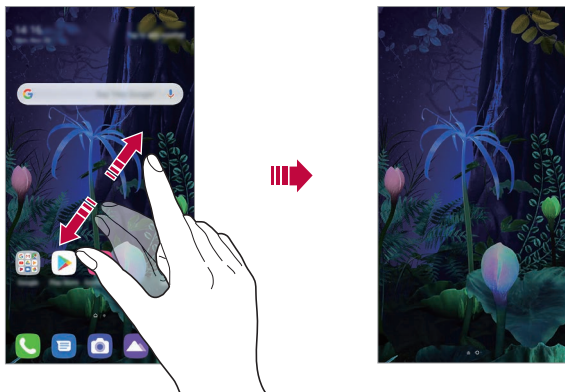
Default screen

## Viewing the background theme

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 or tap ◀.



## Moving apps on the Home screen

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

- To keep frequently used apps at the bottom of the Home screen, touch and hold an app, then drag it to the quick access area at the bottom.
- To remove an icon from the quick access area, drag the icon to the Home 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 and colour, 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 the removed app is the only one app that existed in the folder, the folder is removed automatically.
- You can also add or remove apps after tapping ⊕ in the folder.



- You cannot change the folder colour while using downloaded theme.

## Home screen settings

You can customise the Home screen settings.

- 1 Tap ○ > **Management** > **Settings** > **Display** > **Home screen**.
- 2 Customise the following settings:
  - **Select Home:** Select a Home screen mode.
  - **Wallpaper:** Change the Home screen background wallpaper.
  - **Screen swipe effect:** Select an effect to apply when the Home screen canvas switches.
  - **Icon shape:** Choose if you want icons to have square or rounded corners.

- **Left Home screen:** You can select the effects to be used when switching the home screen.
- **Sort apps by:** Set how apps are sorted on the Home screen.
- **Grid:** Change the app arrangement mode for the Home screen.
- **Hide apps:** Select which apps you want to hide from the Home screen.
- **Loop Home screen:** Enable to allow continuous Home screen scrolling (loop back to first screen after the last screen).



- This function is not available when **Google feed** is enabled.

- **Search:** Search by swiping down on the Home screen.
- **Home screen lock:** Enable to prevent apps and widgets from being rearranged or removed.

## Screen lock

### Screen lock overview

Your device's screen turns off and locks itself if you press the Power/Lock key. This also happens after the device is left idle for a specified period of time.

If you press the Power/Lock key 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.



- 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 options available for configuring the screen lock settings.

- 1 Tap  > **Management** > **Settings** > **Lock screen & security** > **Select screen lock** and then select the method you prefer.
- 2 Customise the following settings:
  - **Swipe**: Swipe on the screen to unlock the screen.
  - **Knock Code**: Tap the screen in a pattern 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.
  - **Allow face recognition**: Unlock the screen by allowing the device to recognise your face.



- If you incorrectly attempt to unlock the device 5 times, the screen is blocked for 30 seconds.

## Secure start-up settings

When you select Knock Code, Pattern, PIN or Password as a screen lock method, you can configure your device to be locked whenever turning on the device in order to secure your data.

- You cannot use all functions, except for emergency calls until you unlock the device.
- If you forget your decryption password, you cannot restore encrypted data and personal information.

## Precautions for the secure start-up feature

- If you forget your decryption password, you cannot restore encrypted data and personal information.
- Be sure to keep your screen lock passwords separately.
- If you enter the screen lock passwords incorrectly more than the specified times, the device automatically resets itself and the encrypted data and your personal information are deleted automatically and they cannot be restored.
- Be cautious not to enter incorrect screen lock passwords more than the specified times.
- When you turn on the device right after the device resets, encryption also starts. If you stop the encryption arbitrarily, the data may be damaged. Be sure to wait until the reset is completed.

## Customise Lock screen

You can customise lock screen.

- 1 Tap  > **Management** > **Settings** > **Lock screen & security** > **Customise Lock screen**.
- 2 Select a function you want to set.
  - **Wallpaper**: Allow you to set the background for your Lock screen.
  - **Clock**: Allow you to set where to position the clock on the Lock screen.
  - **Shortcuts**: Allow 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**: Allow you to set text to be displayed on the Lock screen to identify the phone's owner.

## Secure lock settings

You can set secure lock settings.

- 1 Tap  > **Management** > **Settings** > **Lock screen & security** > **Secure lock settings**.
- 2 Select a function you want to set.
  - **Make pattern visible:** Allow you to make pattern visible.
  - **Lock timer:** Allow 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 key is pressed. This setting overrides the Security Lock timer setting.
  - **Show lockdown option:** Allow you to show power menu option to turn off Lock screen notifications, Smart Lock and biometric locks.
  - **Smart Lock:** Allow you to set trusted devices, places, voice, and/or on-body detection that will allow your phone to remain unlocked.



- Menus you can set may be different depending on lock screen methods you choose.

## KnockON

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



- 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.

## Disable KnockON

If you don't want to use the KnockON function, set as follows:

Tap  > **Management** > **Settings** > **Extensions** > **KnockON** and drag it to disable the function.

## Knock Code

You can unlock the screen by creating your own Knock Code. When the screen is locked, you can directly access the Home screen by tapping the screen in a specified sequence.



- You can use your Knock Code together with the KnockOn feature.
- Make sure to use your fingertip when tapping the screen.

## Creating a Knock Code

- 1 Tap  > **Management** > **Settings** > **Lock screen & security** > **Select screen lock** > **Knock Code**.
- 2 Tap the squares in a pattern of your choice to create a Knock Code and tap **Next**.
- 3 Input the created Knock Code again for verification, then tap **Confirm**.

## Unlocking the screen with a Knock Code

Unlock the screen by inputting the Knock Code you have created.

You can also input your Knock Code on the touch screen when the screen is turned off.

- It is also possible to enter a Knock Code when the lock screen is turned on.

## 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 Tap  > **Management** > **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.



- 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 LG 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.

## Taking screenshots

You can take screenshots of the current screen you are viewing.

### Via a shortcut

Press and hold the Power/Lock key and the Volume Down key at the same time for at least two seconds.

- Screenshots can be viewed from the **Screenshots** folder in the **Gallery**.

### Via Capture+

On the screen where you want to take a screenshot, drag the status bar downwards, then tap .



- When the screen is turned off or locked, you can access **Capture+** by pressing the Volume Up key twice. To use this feature, tap **○ > Management > Settings > Extensions > Shortcuts** and turn on **Open Capture+**.
- See *Writing notes on a screenshot* for details.

# Entering text

## Setting the default keyboard

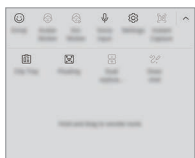
LG recommends to use the LG keyboard as default.

- 1 Tap > **Management** > **Settings** > **System** > **Language & keyboard** > **Manage keyboard** > **Default keyboard**.
- 2 Select **LG Keyboard**.

## 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 and select the input method you want to show on the Smart tool, or reorganise them.



- 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.
- You can also use the keyboard input methods by tapping .

- : Add emojis.
- : Add avatar stickers.
- : Add ani-stickers.

-  : On the keyboard, tap .
  - To maximise 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  > **Languages** on the voice recognition screen.
  - This function may not be supported, or the supported languages may differ depending on the service area.
-  : Access keyboard settings.
-  : Open the clip tray. See *Clip Tray* for more information.
-  : Activate floating keyboard when you use the Multi-window feature. You can also move the keyboard to the desired location.

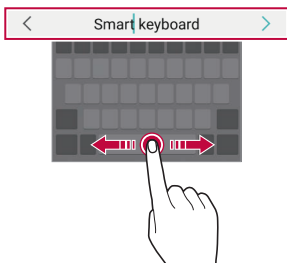
## Using the Smart keyboard

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.





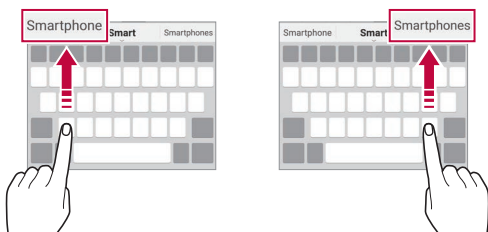
- This option is available only on the QWERTY keyboard.

## Suggesting words

Smart keyboard automatically analyses 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 or gently drag the left or right side of the keyboard upwards.

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



## Adding languages to the keyboard

You can make additional languages available for keyboard input.

- 1 Tap **○ > Management > Settings > System > Language & keyboard > Manage keyboards > LG Keyboard > Language & keyboard layout > Select languages.**
- 2 Select the languages you want to make available.

## 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**.



- 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, select .  
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  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  to delete the items saved to the clip tray.



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

# 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 the items from the **Gallery** or **Music** app, tap  or  > **Play on other device**.  
Or tap  > **Management** > **Settings** > **Connected devices** > **Screen sharing** and then tap  to activate it.
- 3 Select the TV you want to connect to.



• For use with Chromecast, Google Play services should be up to date.

## 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 apps.

Tap  > **Management** > **Settings** > **Connected devices** > **Media server** > then tap **Content sharing**  to activate it.

## Connecting the devices

Connect both your device and another device that support DLNA function to the same wireless network.



• Make sure that File sharing (DLNA) is activated on both the device and the connected device.

## 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 or computer.

### Sending files

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

### Receiving files

Drag the status bar downward and then tap **File sharing**.

If your device does not support the file sharing feature, tap  > **Management** > **Settings** > **Connected devices** > **File sharing** > **SmartShare Beam** .



- You can share files with certain devices that support DLNA.

## Viewing content from your cloud

You can directly view the content saved on your cloud account, without downloading it to your device.

- 1 From the **Gallery** or **Music** app, select  > **Cloud**.  
Or from the **File Manager** app, select  > **Cloud**.
- 2 Select a cloud account and sign in.
- 3 Save or play content in your cloud.

# Do not disturb

You can limit or mute notifications to avoid disturbances for a specific period of time.

Tap  > **Management** > **Settings** > **Sound** > **Do not disturb**.

- **Mode** and select the mode you want:
  - **Priority only**: Receive sound or vibrate notifications for the selected apps. Even when Priority only is turned on, alarms still sound.
  - **Total silence**: Disable both the sound and vibration.
- **Select priorities**: Receive alarms and the notifications for the selected apps.
  - **Calls from**: Set up a range of notifications when receiving a call.



- **Repeated calls**: Second call from the same caller within 15 min is not silenced.

- **Messages from**: Set up a range of notifications when receiving a message.
- **Use Do not disturb**: Turn on the Do not disturb feature.
- **SCHEDULE**: Set the schedule for which you want to turn on the Do not disturb feature.
- **Help**: View the help for Do not disturb.



03

## Useful Apps

# Installing and uninstalling apps

## Installing apps

Access an app store to search and download apps.

- You can use SmartWorld, Play Store or the app store provided by your service provider.



- Some app stores may require you to create an account and sign in.
- Some apps may charge fees.
- If you use mobile data, you may be charged for data usage, depending on your pricing plan.
- SmartWorld may not be supported depending on the area or service provider.

## Uninstalling apps

Uninstall apps that you no longer use from your device.

### Uninstalling with the touch and hold gesture

Touch and hold any empty area on the screen, and then tap  of the app you want to delete.

- If apps were uninstalled within 24 hours from now, you can reinstall them. See [App trash](#) for details.

### Uninstalling by using the settings menu

Tap  > **Management** > **Settings** > **Apps & notifications** > **App info**, select an app, then tap **Uninstall**.



- Some apps cannot be uninstalled by users.

## Uninstalling apps from the app store

To uninstall an app, access the app store from which you download the app and uninstall it.

## Installing and uninstalling apps during the setup

When you turn on the device for the first time, you can download recommended apps.

You can skip to the next step without installation.

## App trash

You can view the uninstalled apps. You can also reinstall apps which were uninstalled within 24 hours from now.

### 1 Tap > **Management** > **App trash**.

You can also touch and hold an empty area of the Home screen, then tap **App trash**.

### 2 Activate the desired function:

- **Restore**: Reinstall the selected app.
- : Remove the uninstalled apps permanently from the device.



- Uninstalled apps are automatically removed from the device 24 hours after they were uninstalled. If you want to reinstall the uninstalled apps, you must download them again from the app store.
- This feature is activated on the default Home screen only. If you uninstall apps while using the EasyHome screen or other launcher, they are immediately and permanently removed from the device.

# App Shortcuts

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

- Tap  to set the widgets for the app.
- Tap  to check the app information.



- This feature is available only on some apps.

# Phone

## Voice call

Make a phone call by using one of the available methods, such as manually entering a phone number and making a call from the contact list or the list of recent calls.

### Making a call from the keypad

- 1 Tap  >  > **Dial**.
- 2 Make a call by using a method of your choice:
  - Enter a phone number and tap .
  - Touch and hold a speed dial number.
  - Search for a contact by tapping the initial letter of a contact name in the contact list, and then tap .



- To enter "+" when making an international call, touch and hold number 0.
- See [Adding contacts](#) for details on how to add phone numbers to the speed dial list.

### Making Calls from Contacts

- 1  >  > **Contacts**.
- 2 After selecting the number you want to call from the list of contacts, tap .

## Answering a call

To answer a call, drag  on the incoming call screen.

- When the stereo headset is connected, you can make calls by using the call/end button on the headset.
- To end a call without turning off the screen, tap  > **Management > Settings > Network & internet > Call > Answer and end calls** and then activate **End call with the Power key**.



- If you enable  > **Management > Settings > Network & internet > Call > Answer and end calls > End call with the Power key**, you can end a call by pressing the Lock/Power key while the call-in-process screen is turned on.

## Rejecting a call

To reject an incoming call, drag  across the incoming call screen.

- To send a rejection message, drag the rejection message option  across the screen.
- To add or edit a rejection message, tap  > **Management > Settings > Network & internet > Call > Call blocking & Decline with message > Decline with message**.
- When a call is coming in, press the Volume Up, Volume Down or Power/Lock key to mute ringtone or vibration, or to hold the call.

## 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.



- Tap > **Management** > **Settings** > **Network & internet** > **Call** > **Additional settings** > **Show voice calls while in an app** and then select the desired way you would like to display the incoming call while using an app.
- Floating bar must be enabled if you want to check the calls received using the floating bar while using an app. For more details, refer to the *Floating Bar overview*.

## Viewing missed calls

If there is a missed call, the status bar at the top of the screen displays . To view missed call details, drag the status bar downwards. You can also tap > > **Call logs**.

## Functions accessible during a call

During a call, you can access a variety of functions by tapping the on-screen buttons:

- **Contacts**: View the contact list during a call.
- **Hold**: Place the current call on hold.
- **Dialpad**: Display or hide the dial pad.
- **Speaker**: Turn on the speakerphone function.
- **Mute**: Mute your voice so that your voice cannot be heard by the other party.
- **Bluetooth**: Switch the call to a Bluetooth device that is paired and connected.
- : End a call.
- : Access additional call options.



- Available settings items may vary depending on the area or service provider.

## Making a three-way calling

You can make a call to another contact during a call.

- 1 During a call, tap  > **Add call**.
- 2 Enter a phone number and tap .
  - The two calls are displayed on the screen at the same time, and the first call is put on hold.
- 3 To start a conference call, tap **Merge calls**.



- You may be charged a fee for each call. Consult with your service provider for more information.

## Viewing call records

To view recent call records, tap  >  > **Call logs**. Then, you can use the following functions:

- To view detailed call records, select a contact. To make a call to the selected contact, tap .
- To delete call records, tap  > **Delete**.



- The displayed call duration may differ from the call charge. Consult with your service provider for more information.
- The deleted call history can not be restored.
- Pinch two fingers or spread your fingers apart to adjust the font size of call logs or contacts.

## Configuring call options

You can configure various call options.

- 1 Tap  >  > **Dial** or **Call logs**.
- 2 Tap  > **Call settings** and then configure the options to suit your preferences.

# Messaging

## Sending a message

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



- Sending messages abroad may incur additional charges. Consult with your service provider for more information.

- 1 Tap  > .
- 2 Tap .
- 3 Specify a recipient and create a message.
  - To use multimedia options, tap .
  - To access optional menu items, tap .
- 4 Tap  to send the message.

## Reading a message

You can view exchanged messages organised by contact.

- 1 Tap  > .
- 2 Select a contact from the message list.



- While on the message list or chat window, you can adjust the font size by placing two fingers on the screen and either widening or narrowing the fingers.

## Configuring messaging settings

You can change messaging settings to suit your preferences.

- 1 Tap  > .
- 2 Tap  > **Settings** from the message list.



- You can designate settings for the notice window, blocking calls, disaster alert, multimedia messages, etc.

## Camera

### Starting the camera

You can take a photo or record a video to cherish all of your memorable moments.

Tap  > .

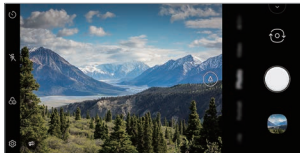


- Before taking a photo or recording a video, wipe the camera lens with a soft cloth.
- Be careful not to stain the camera lens with your fingers or other foreign substance.
- Images included in this user guide may be different from the actual device.
- Photos and videos can be viewed or edited from the Gallery. See [Gallery overview](#) for details.
- Refrain from using the product for a purpose that may violate someone else's privacy or rights.

## Basic features in the Camera app

You can take photos or record videos by selecting a variety of camera modes and options.

- 1 Tap .
- 2 Tap  to take a photo, or tap  to record a video.



Rear Camera

### Taking a photo

- 1 Select a camera mode and tap the subject to focus the camera on.
- 2 Tap  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  on the screen.



- You can run the camera app by short-pressing the power key twice. Tap  > **Management** > **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. Tap  > **Management** > **Settings** > **Extensions** > **Shortcuts** and then tap **Open Camera**  to activate it.

## Recording a video

- 1 Tap  > **Video** and tap the subject to focus on.
- 2 Tap  to record a video.
  - To take a photo while recording a video, tap .
  - To pause the video recording, tap . To resume the video recording, tap .
  - 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  to end the video recording.

## Customising the camera options

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

Tap  on the screen.



- Available options vary depending on the selected camera (front or rear camera) and the selected camera mode.

- : Take a photo in FullVision.
- : Select values for aspect ratio and size for taking photos.
- : Select values for resolution and size for recording videos.

|                                |                                                                                                                                                                                                        |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tips</b>                    | Notifies the user when the subject's eyes were closed or the picture is blurry for optimal photography.                                                                                                |
| <b>Google Lens Suggestions</b> | When associated info is found in Auto mode, Google Lens will be used.                                                                                                                                  |
| <b>HDR</b>                     | Obtain photos in vivid colours 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. |
| <b>Live photo</b>              | Record the action before and after you take a photo.                                                                                                                                                   |
| <b>Cheese shutter</b>          | Take photos with voice commands.                                                                                                                                                                       |
| <b>Steady recording</b>        | Minimise motion blur while recording a video.                                                                                                                                                          |
| <b>Tracking focus</b>          | Enable the camera to remain focused on the subject you touch on the screen, even if the subject is moving. (Available when the Standard camera is in use.)                                             |
| <b>Tag locations</b>           | Save the image with GPS location data.                                                                                                                                                                 |
| <b>Grid</b>                    | Display guide grids so that you can take photos or record videos based on the horizontal and vertical reference lines.                                                                                 |
| <b>Add signature</b>           | Display a personalised signature on the photos.                                                                                                                                                        |
| <b>Storage</b>                 | Select if you want to store the pictures and videos in the Internal storage or SD card. (Available when a memory card is inserted.)                                                                    |
| <b>Help</b>                    | Provide Help for each camera menu.                                                                                                                                                                     |

# Additional options on the front camera

|                 |                                                                                          |
|-----------------|------------------------------------------------------------------------------------------|
| Selfie shot     | Take a selfie by selecting its option between <b>Gesture shot</b> and <b>Auto shot</b> . |
| Save as flipped | Save as flipped images after taking selfies.                                             |



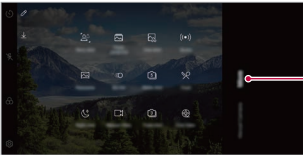
- You can apply the make-up effect when taking a selfie using the front camera.

## Mode Selection

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

Tap , then tap **More**.

- You can change the order of the scene modes by moving the scene mode icon while pressing and holding the icon.
- You can download various scene modes from the **SmartWorld** app by pressing .



Select More

## Story Shot

You can immediately composite photos taken from the rear camera and the front camera.

- 1 Tap , then tap **More** > .
- 2 Tap  to take photos.
  - Take a photo that will serve as the background of the composite image.
  - After a short while, the front camera will automatically take a photo.



- You can also touch  and then select a photo saved in the Gallery for the background of the composite image.

## Flash Jump-Cut

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

- 1 Tap  > , then tap **More** > .
- 2 Tap  to select how many copies of the photograph to take.
  - You can select one among 4, 8, 12, 16 and 20 copies.
- 3 Tap  to take a photo.
  - Photos are taken every 3 seconds and saved as a GIF file.
  - You can press  before taking the prescribed number of photos to stop the shooting.
    - Photos taken are saved as GIF files.
  - You can see the saved GIF files using the Gallery app.



- At the moment when the camera takes the photograph, a flash comes on.
- At the bottom of the screen, the total number of photographs taken as well as the number of copies are shown.
- The photographs taken are saved in the GIF format files only.

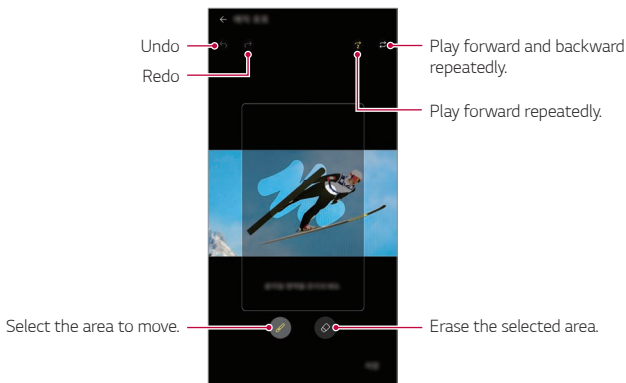
## Cine shot

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 the video is recorded, rub an area in the video you want in motion. The selected area starts moving and the rest of the video remains still.

- 1 Tap  > , then tap **More** > .
- 2 Tap  to record a 3 second video.
  - Hold the device steady while recording the video.

3 Tap  and rub the area you want in motion with the Cine shot effect.



- Tap  to erase the selected area.
- Tap  to play the selected area in motion forward repeatedly.
- Tap  to play the selected area in motion forward and backward repeatedly.

4 Tap **SAVE**.

- The selected area will be in motion.

## 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 then tap **More** > .
- 2 Tap and then slowly move the camera in one direction.
  - Move the device by following the direction of the arrow in the guideline.
- 3 Tap to stop capturing the panoramic.



## Slo-mo

Create a fun video by changing the speed of movement. This function is useful when you want to playback a video at a slower speed compared to the actual speed of the original clip.



- Slow motion for the entire video
  - Slow motion effect is applied to the entire video.
- Slow motion for sections
  - Slow motion effect is applied to certain sections of the video.

- 1 Tap then tap **More** > .
- 2 Select section or the entire video and select the desired slow motion effect.

3 Tap  to shoot video.

- If you shoot slow motion for the entire video, slow motion effect will be applied to the whole video.
- If you shoot slow motion for sections, slow motion effect will be applied to the sections where  was pressed.
  - Press  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.
  - You can press  up to five times.

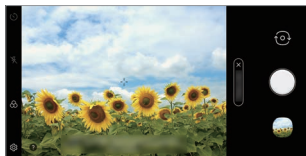
4 If you want to finish shooting, press .



## Penta shot

You can take five photos in series using all five camera lenses.

- 1 Tap  > , then tap **More** > .
- 2 Tap  to take a photo.
  - It will take five photos automatically in sequence starting with the rear cameras.



- A series of five photos is automatically saved in Gallery providing options to create a collage or GIF.

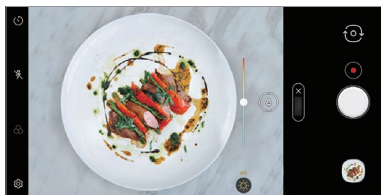


- While taking a photo, hold the device steady until all 5 photos have been taken.

## Food

You can take a photo or record a video with adjusting the colour slide bar and white balance.

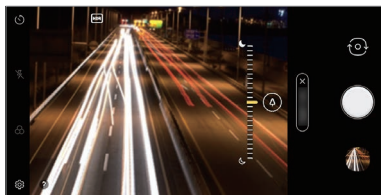
- 1 Tap > , then tap **More** > .
- 2 To take a photo, tap .
  - Drag the colour slide bar on the screen to adjust the white balance and select the best colour.
  - If the slide bar is not displayed, tap to adjust the white balance.



## Night view

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

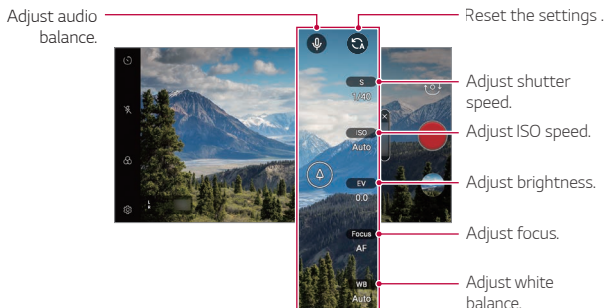
Tap > , then tap **More** > .



## Manual Video mode

User can manually set various functions for recording video. Adjust audio, white balance, focus, brightness, ISO, shutter speed, etc.

- 1 Tap > , then tap **More** > .
- 2 Set the scene menu that is appropriate for the shooting environment.



- 3 Press to start recording.

## Option Setting

You can set the camera option according to the desired environment.

Press on the screen.

- : Directly switch over to FullVision
- : Select video resolution and size.

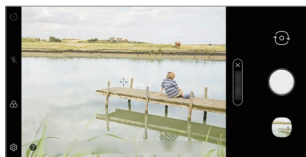
|                      |                                                                        |
|----------------------|------------------------------------------------------------------------|
| <b>Frame rate</b>    | Select the frames per second value.                                    |
| <b>Bit rate</b>      | Select the image quality for videos.                                   |
| <b>Hi-Fi</b>         | Record a video with Hi-Fi quality sound.                               |
| <b>Save in HDR10</b> | Save a video in the HDR10 format for high definition and vivid colour. |

|                         |                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Steady recording</b> | Minimise motion blur while recording a video.                                                                                                                 |
| <b>Tracking focus</b>   | Enable the camera to remain focused on the subject you touch on the screen, even if the subject is moving.<br>(Available when the Standard camera is in use.) |
| <b>Tag locations</b>    | Save the image with GPS location data.                                                                                                                        |
| <b>Grid</b>             | Display guide grids so that you can take photos or record videos based on the horizontal and vertical reference lines.                                        |
| <b>Storage</b>          | Select if you want to store the pictures and videos in the Internal storage or SD card. (Available when a memory card is inserted.)                           |
| <b>Help</b>             | Provide Help for each camera menu.                                                                                                                            |

## Triple shot

This feature allows you to take a series of photos with different angles of view and create a video with slide effect.

- 1 Tap  then tap **More** > .
- 2 Tap  to take a photo.
  - The three rear cameras take photos automatically in sequence.



- The triple shot images are automatically saved in Gallery.

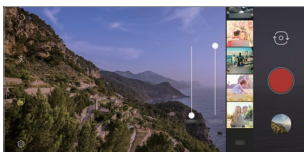
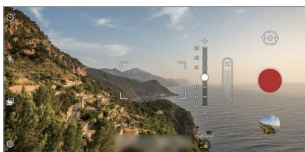


- While taking a photo, hold the device steady until all 3 photos have been taken.

## Cine Video

You can record a movie-like video.

- 1 Tap  > , then tap **More** > .
- 2 Tap  to record a video.
  - : Record a video by selecting the point zoom feature to zoom in/out around a specific desired area.
  - : Select an effect to apply to the recording. You can also adjust the vignette and strength for each Cine effect. This feature cannot be changed after you have started recording.



- The Point zoom feature supports a zoom speed of up to 3x.
- This feature only supports video recordings in standard angle.

## YouTube Live

You can record a video and directly upload to YouTube.

To use this feature, you need to verify your phone number.

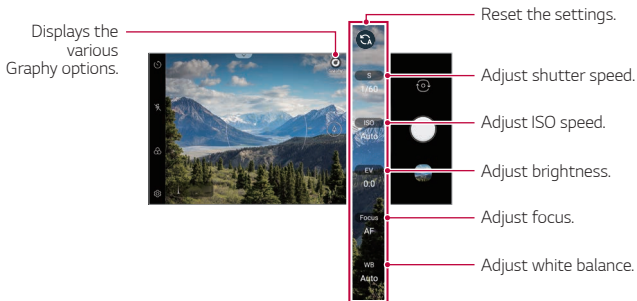


- YouTube Live is available only when your device is connected to the Internet. If you use mobile data, you may be charged for data usage, depending on your pricing plan.

## Manual camera mode

You can create photos featuring professional touch by using a variety of advanced features. Adjust the white balance, focus, brightness, ISO, shutter speed and other options.

- 1 Tap  > , then tap **Manual Camera**.
- 2 Customise the following camera settings.



- 3 Tap  to take the photo.



- Selecting the Graphy effects allows you to shoot using the white balance, shutter speed, and ISO setting values applied to the recommended photo.
- You can see a variety of recommended photos if you download the Graphy app from the Google Play Store.

## Customising the camera options

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

Tap  on the screen.

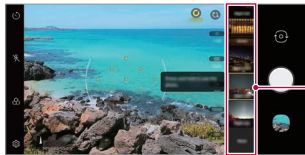
-  : Take a photo in FullVision.
-  : Select values for aspect ratio and size for taking photos.

|                       |                                                                                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Graphy photos</b>  | Adjust the white balance, ISO and shutter speed for the recommended photo. See <i>Graphy</i> for details.                                                                          |
| <b>Save as RAW</b>    | 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. |
| <b>Cheese shutter</b> | Take photos with voice commands.                                                                                                                                                   |
| <b>Tracking focus</b> | Enable the camera to remain focused on the subject you touch on the screen, even if the subject is moving. (Available when the Standard camera is in use.)                         |
| <b>Tag locations</b>  | Save the image with GPS location data.                                                                                                                                             |
| <b>Guide</b>          | Display guide grids so that you can take photos based on the horizontal and vertical reference lines.                                                                              |
| <b>Add signature</b>  | Display a personalised signature on the photos.                                                                                                                                    |
| <b>Storage</b>        | Select if you want to store the pictures and videos in the Internal storage or SD card. (Available when a memory card is inserted.)                                                |
| <b>Help</b>           | Provide Help for each camera menu.                                                                                                                                                 |

## Graphy

You can apply the recommended values for the white balance, ISO and shutter speed as if taken by an expert.

- 1 Tap  > , then tap **Manual Camera**.
- 2 Tap  and select the desired scene from the recommended images.



- 3 Tap  to take a photo.
  - Photographs are taken under the same photograph settings selected in Graphy.



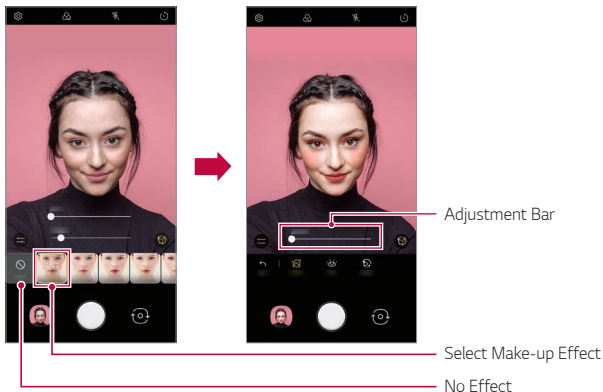
- This feature is available only in Manual camera mode.
- You can add more scenes by tapping  and downloading the Graphy app from the Play Store. You may be charged for data usage, depending on your pricing plan.
- Tap , then tap  from the Graphy menu to deactivate this feature.

## Makeup Pro

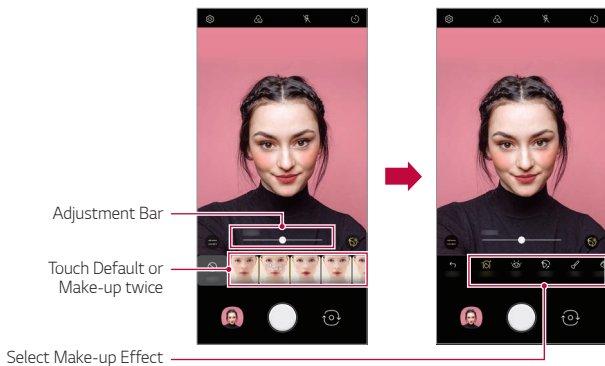
While taking selfies, you can apply various makeup techniques.

When using the front camera, adjust the skin tone and apply eye and lip makeups.

- 1 Tap , switch to the front camera, then tap .
- 2 Select a desired makeup option, then drag the slide bar to the left or right to adjust the effect.
  - When you select **None**, the slide bar disappears.



- 3 Select various makeup effects and apply them to the subject.
- **Basic** or **Makeup Mode**, then touch the screen again to apply more detailed makeup effects.
  - Move the **Intensity Adjustment Bar** to adjust the **intensity** with which the effects are applied.



- 4 Tap  to take a photo.

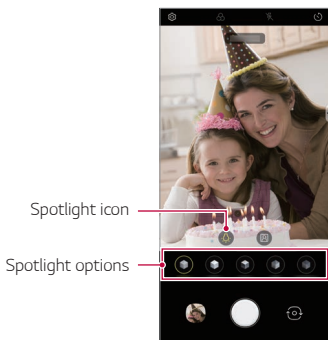
## Studio

You can create studio level photos by using Spotlight and Backdrop features in the camera.

### Spotlight

You can apply various lighting effects while taking photos.

- 1 Tap  > , then tap **Studio**.
- 2 Tap  to select a lighting effect.
  - Various lighting effects appear at the bottom of the screen.

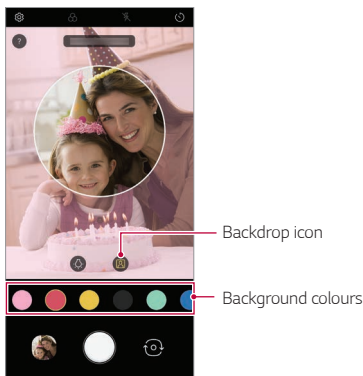


- 3 Tap the desired lighting effect icon.
- 4 When **Studio effect is available.** appears on the screen, tap  to take a photo.
  - The Studio feature may not work if the camera cannot recognise the subject.

## Backdrop

You can apply various effects for background while taking portrait photos.

- 1 Tap , then tap **Studio**.
- 2 Tap  to select a backdrop effect.
  - Various background colours appear at the bottom of the screen.
- 3 Select a background colour you want to apply.
  - You can apply the selected colours to the background apart from the subject.



- 4 When you see the guiding message **Studio effect is available**, tap  to take a photograph.



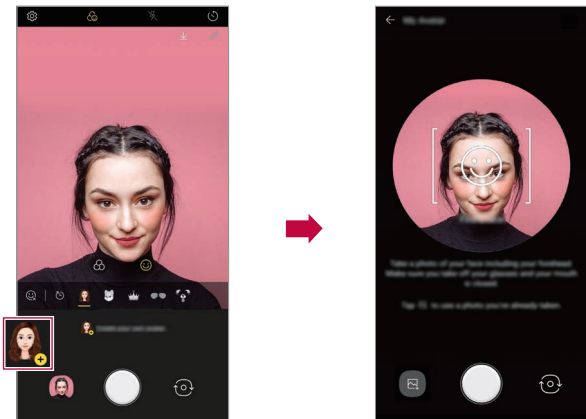
- If the camera fails to recognise the subject, the studio function cannot be applied to the saved photograph.
- If the surrounding is dark, the camera cannot apply the studio effects.

## AR features

You can use various AR (Augmented Reality) features with the Camera app. You can create your own My Avatar, AR Emoji, or AR Sticker for rich content. My Avatar helps you create a cartoon version of yourself and customise it. AR Emoji help you create 3D animated animal emojis that mimic facial expression. AR Sticker allows you to choose from several different stickers to use on a photo or video while facing your camera.

### Creating My Avatar

- 1 Tap , switch to the front camera, then tap  > .
- You can use this function only in Auto Mode.
- 2 Tap  >  to take a photo.
- Follow the on-screen instructions to align your face on the screen.
- To make My Avatar by using one of the saved photos from Gallery, tap .



- 3 Select My Avatar's gender and select details including avatar type, skin tone, hairstyle, and clothes, then tap **OK**.
- Taken photos are saved in Gallery.

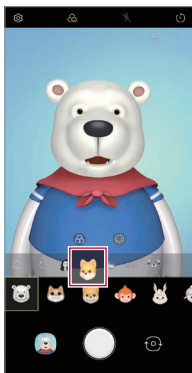


## Using My Avatar, AR Emoji, AR Sticker

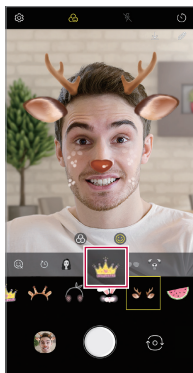
- 1 Tap  switch to the front camera, then tap  > .
- 2 Select an option you want to record.



My Avatar



AR Emoji

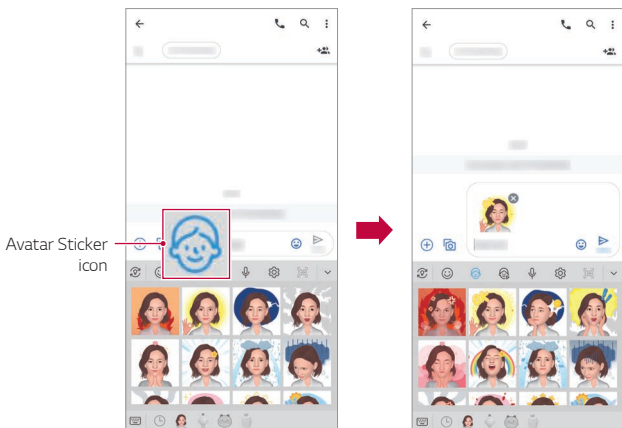


AR Sticker

- 3 To take a photo, tap .
- To record a video using My Avatar, AR Emojis or AR Stickers, select the video recording menu, and then tap  >  to select the desired item, and tap  to start shooting the video.
- Taken photos are saved in Gallery.

## Using Avatar Stickers

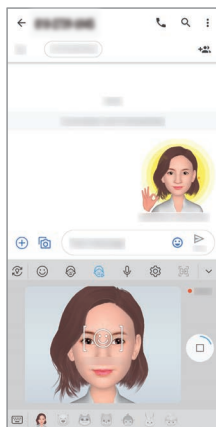
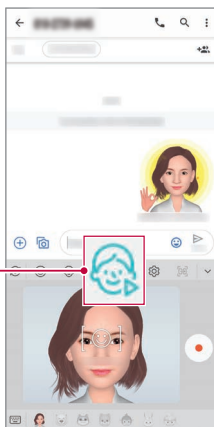
- 1 Tap  on the LG Keyboard.
- 2 Select an avatar sticker you want among the self-created My Avatars, and then select  to send it.



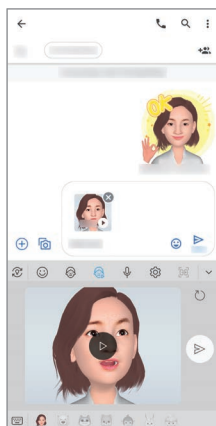
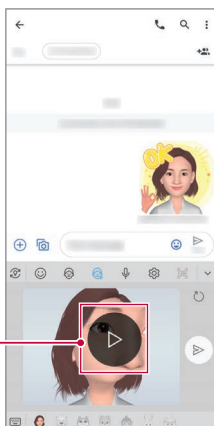
## Using Ani Sticker

- 1 Tap  on the LG Keyboard.
- 2 Select the desired My Avatar.
- 3 Tap  to record voice and video, and then tap  to save.
  - Ani Stickers with various facial expressions, motions, and voices are created.
- 4 Tap  to upload Ani Sticker.
  - Tap  to preview the created Ani Sticker.

Select an  
Ani Sticker



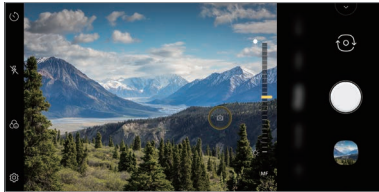
Preview icon



## Other useful features in the Camera app

### Auto-Exposure/Auto-Focus lock

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



- This feature is available only in specific modes.

### Using the Burst Shot

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

- 1 Run the camera app and select **Photo**.
- 2 Tap and hold .
  - Multiple, consecutive photos are taken while you are holding down .



- This feature is available only in specific modes.

## Zoom in or out

You can use zoom in or out on the camera screen while taking a photo or recording a video.

- Using the adjustment bar which appears when you use two fingers to zoom in/zoom out on the camera screen, switch between telescoping angle, normal angle, and ultra-wide angle.



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

## Focus peaking

You can adjust the focus on the subject with the focus peaking feature.

Access Focus peaking by tapping the Manual focus (MF) button. When Focus peaking is enabled, the subject you focus on appears yellow. Move the toggle wheel up and down to focus on the desired area, then take the photo.



- Press **Focus peaking** once again to disable this function.
- This function can be used only when shooting at a normal angle.
- It is only available for use with the manual focus (MF).

## Switching between cameras

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

On the camera screen, tap  or drag the screen in any direction to switch between the front and rear cameras.



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

## Selfie shot

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

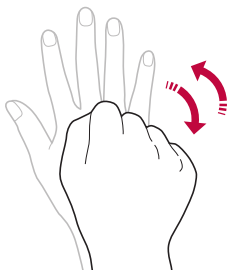
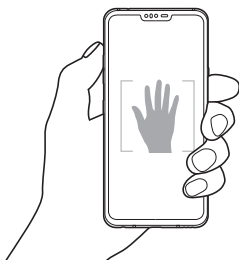
## Gesture shot

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.



- To use this feature, switch to the front camera mode, then tap  > **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 coloured guide frame appears when the front camera detects your face. If the subject within the guide frame stops moving, the guide frame colour turns yellow, then the camera takes a photo.



- Tap > **Selfie shot** > **Auto shot** to enable the Auto shot feature.

## Interval shot

You can take selfies at an interval.

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

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

## Save as flipped

Before taking a photo with the front camera, tap > **Save as flipped**. The image is flipped horizontally.



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

## Signature

You can create a personalised photo by using your signature.

- 1 Tap > , then tap > **Add signature**.
- 2 Enter the signature as desired and tap **Add**.

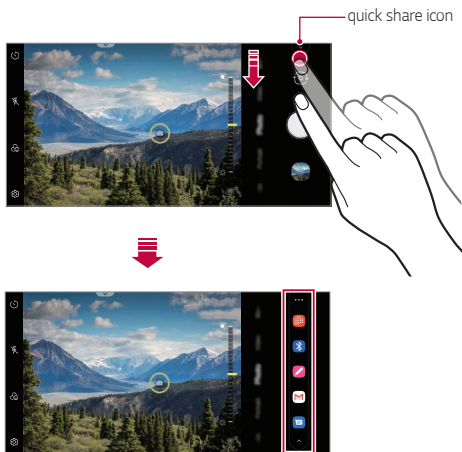


- This feature is available only in specific modes.

## quick share

You can share a photo or video to the app you want immediately after taking it.

- 1 Tap , then take a photo or record a video.
- 2 Tap the app icon that appears on the screen to share it using that app. You can also swipe the icon towards the opposite direction to see what other apps you can use to share your photos and videos.



- The app displayed by the quick share icon may vary, depending on the type and frequency of access to the apps installed on the device.
- This feature is available only in specific modes.

# Gallery

## Gallery overview

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

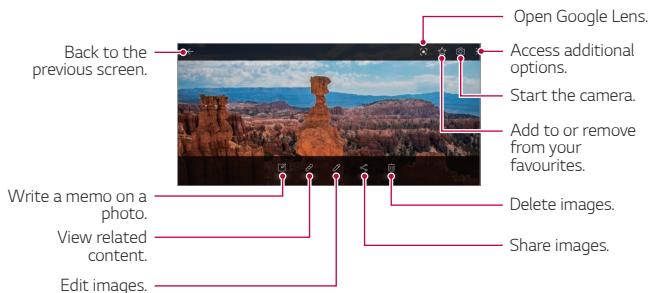
- 1 Tap  > **Essentials** > .
  - Saved photos and videos are displayed by folder.
- 2 Tap a folder and select a file.
  - View the selected file in full-screen mode.
  - While viewing a photo, swipe left or right to view the previous or next photo.
  - While viewing a video, swipe left or right to rewind or fast-forward the video.
  - If you save the location information or use a scene mode when shooting, a sub folder is generated for each video.
  - To view photos by location at which the photo was taken, tap  >  >  > **Tag locations**, then tap . The photos are automatically grouped by location under the Memory tab of the Gallery app.



- Some file formats may not be supported, depending on the installed software.
- Some files may not be opened due to encoding.
- Files that exceed the size limit may cause an error.
- You need to activate the GPS feature to create Memory albums.

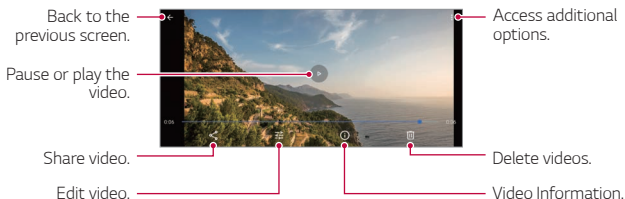
## Viewing photos

You can view the photos saved to the product.



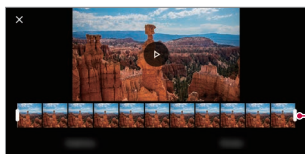
- Details menu appears when the screen is lightly touched. Touching the screen once again makes the menu disappear.

## Playing a video



## Editing videos

- 1 While viewing a video, tap .
- 2 Use a variety of effects and edit tools to edit the video.



Adjust the video duration.

- 3 Tap **Save copy** to save changes.

## Creating Video

You can piece together images or videos to create a new video.

For more details, refer to *Creating a movie*.

## Creating GIF

You can conveniently edit the photos and videos you have taken in GIF.

For more details, refer to *Making a GIF*.

## Deleting files

You can delete files by using one of the following options:

- Touch and hold a file from the file list, then tap **Delete**.
- Tap  from the file list and delete the desired files.
- Deleted files are automatically moved to **Trash** and they can be restored to the Gallery within 7 days.
- Tap  to completely delete the files. In this case, the files cannot be restored.

## Sharing files

You can share files by using one of the following options:

- While viewing a photo, tap  to share the file by using the method you want.
- While viewing a video, tap  > **Share** to share the file by using the method you want.
- Tap  from the file list to select files and share them using the method you want.

# Contacts

## Contacts overview

You can save and manage contacts.

Tap  > **Essentials** > **Contacts**.

## Adding contacts

### Adding new contacts

- 1 On the contact list screen, tap .
  - A pop-up appears for selecting the saving location for contact. Select the location you want.
- 2 Enter contact details and tap **Save**.

### Importing contacts

You can import contacts from another storage device.

- 1 On the contact list screen, tap  > **Manage contacts** > **Import**.
- 2 Select the source and target locations of the contact you want to import, and then tap **OK**.
- 3 Select the contacts and tap **Import**.

### Adding contacts to the speed dial list

- 1 On the contact list screen, tap  > **Speed dial**.
- 2 Tap **Add contact** from a speed dial number.
- 3 Select a contact.



- While adding a new contact, tap  to add a speed dial number.

## Searching for contacts

You can search for contacts by using one of the following options:

- Tap the search bar at the bottom of the Contacts screen and enter the desired contact or phone number you want to search for.
- Scroll the contact list up or down.
- From the index of the contact list screen, tap the initial letter of a contact.



- Tapping the search bar at the bottom of the Contacts screen and entering a contact or phone number brings up the integrated search results from the call history and contacts list saved onto the product.

## Contacts list

### Editing contacts

- 1 On the contact list screen, select a contact.
- 2 On the contact detail screen, tap  and edit details.
- 3 Tap **Save** to save changes.

### Deleting contacts

You can delete contacts by using one of the following options:

- On the contact list screen, touch and hold a contact you want to delete, then tap **Delete contact**.
- Tap  > **Delete** on the contact list screen.



- Deleted contacts may not be restored.

## Adding favourites

You can register frequently used contacts as favourites.

- 1 On the contact list screen, select a contact.
- 2 On the contact detail screen, tap ☆.

## Creating groups

- 1 On the contacts group list, tap +.
- 2 Enter a new group name.
- 3 Tap **Add members**, select contacts, then tap **Add**.
- 4 Tap **Save** to save the new group.

# QuickMemo+

## QuickMemo+ overview

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

## Creating a note

- 1 Tap ○ > **Essentials** > **QuickMemo+**.
- 2 Tap + to create a note.
  - ✓ : Save a note.
  - ↶ : Undo the previous edit.
  - ↷ : Redo the recently deleted edits.
  - T : Enter a note by using the keypad.
  - ✎ : Write notes by hand.

-  : Erase handwritten notes.
-  : Zoom in or out, rotate or erase the parts of a handwritten note.
-  : Access additional options.

3 Tap  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 .
  - The screenshot appears as the notepad background theme. Memo tools appear at the top of the screen.
- 2 Crop the image (if necessary) and take notes as desired.
  - Write notes by hand on the photo.
- 3 Tap  and save the notes to the location you want.
  - Saved notes can be viewed in either **QuickMemo+** or **Gallery**.
  - To save notes in the same location all the time, select the **Use as default app** checkbox and select an app.



- You can capture the entire screen by using the scroll capture feature.
- While using an app such as Message and Chrome, drag the notifications panel downwards and then tap **Capture+ > Extended** to capture the entire screen you are currently viewing as a single file.
- This feature is available only on some apps that support the scroll capture feature.
- Pinch two fingers or spread your fingers apart to change the memo layout.

## Managing folders

You organise and view memos according to the memo type.

- 1 Select  > **Essentials** > **QuickMemo+**.
- 2 Tap  on the top part of the screen and then select the desired function.
  - **All Memos**: You can collectively view all memos save in Qmemo+.
  - **My Memos**: You can view the memos created in Qmemo+.
  - **Capture+**: You can view the memos created using Capture+.
  - **Trash**: You can view the deleted memos.
  - **New category**: You can add folders.
  -  : You can change the order of folders or add/delete folders. By pressing the folder, you can change the folder name.



- Some folders do not appear when the folder app initially started. Folders are additionally displayed only when relevant memos exist.
- Deleted memos are moved to the trash bin and can be recovered within 7 days from the day they were deleted. In the Qmemo+ app, you can change the display type by placing two fingers on the screen and either widening or narrowing the fingers.
- Some folders do not appear when the folder app is initially started.

# Clock

## Alarm

You can set an alarm to trigger it at a specified time.

- 1 Tap  > **Clock** > **Alarm**.
- 2 Tap  to add a new alarm.
- 3 Configure the alarm settings and tap **Save**.



- If you select a previously set alarm, you can edit the alarm.
- To delete an alarm, tap  > **Delete** at the top of the screen. You can also touch and hold the alarm.

## World clock

You can view the current time in cities around the world.

- 1 Tap  > **Clock** > **World clock**.
- 2 Tap  and add a city.

## Timer

You can set the timer to trigger an alarm after a specified period of time.

- 1 Tap  > **Clock** > **Timer**.
- 2 Set the time and tap **Start**.
  - To suspend the timer, tap **Pause**. To resume the timer, tap **Resume**.
- 3 Tap **Stop** to stop the timer alarm.

## Stopwatch

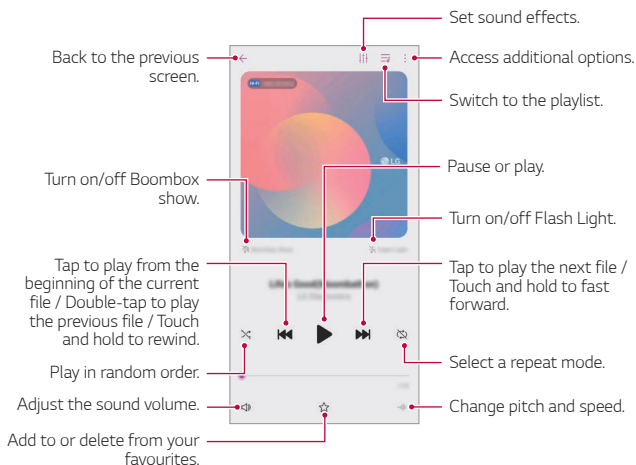
You can use the stopwatch to record a lap time.

- 1 Tap **○** > **Clock** > **Stopwatch**.
- 2 Tap **Start** to initiate the stopwatch.
  - To record a lap time, tap **Lap**.
- 3 Tap **Pause** to suspend the stopwatch.
  - To resume the stopwatch, tap **Resume**.
  - To clear all the records and restart the stopwatch, tap **Reset**.

## Music

You can play and manage songs or music albums.

- 1 Tap **○** > **Music**.
- 2 Select a category.
- 3 Select a music file.





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

## Game Launcher

You can set whether to use the game launcher where you can view the list of games installed on the product and select game settings such as muting media volume, limiting alerts, etc.

- 1 Tap > **Game Launcher**.
- 2 Select the desired option.

## Calculator

You can use two types of calculators: the simple calculator and the scientific calculator.

- 1 Tap > **Essentials** > **Calculator**.
- 2 Use the keypad to make a calculation.
  - If you want to calculate from the beginning, tap and hold

# ThinQ

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

Select  > **Essentials** > **ThinQ**.



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

## HD Audio Recorder

The HD Audio Recorder 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.

Tap  > **Essentials** > **HD Audio Recorder** > .

#### Normal

You can record audio without extra settings.

#### Concert

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

#### Custom

You can manually configure the desired 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 Tap  > **Essentials** > **HD Audio Recorder** >  > **Custom**.
- 2 Tap .
- 3 Select an audio file to use as background music.
- 4 Tap  to record voice.
- 5 Tap  to save the recorded file.



- Background music can only be played through earphones. Make sure to plug in earphones before using this feature.

## Other useful features for use of the HD Audio Recorder app

### GAIN

You can adjust the sensitivity of the sound recorded by the microphone. The higher the GAIN value is set, the more sensitively the sound is recorded.

### LCF

You can filter any low-pitched noises such as the low hum of the air conditioner.

The higher the LCF (Low Cut Filter) value is set, the better high-frequency noises are filtered.

## LMT

It can prevent clipping of the recorded sound. The higher the LMT (Limiter) value is set, the more low frequency sounds that will not get clipped.



- To change additional settings, tap **> Settings**, then customise the file type, bit depth, sampling rate and other settings.
- When you select a mode from Concert and Custom,  appears. Tap  and then select the microphone to use.
- You can monitor sound quality with the connected earpiece while recording audio. While recording audio in Studio mode, sound monitoring is not supported. You can hear only the background music.

# LG Health

## LG Health overview

You can manage your health and maintain good exercise habits by keeping track of the exercises you do.

## Getting started with LG Health

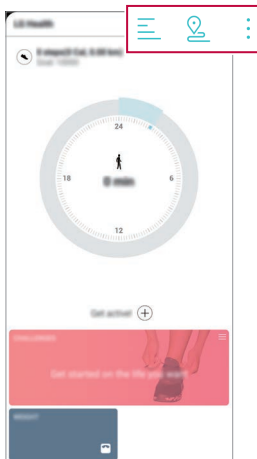
You can configure LG Health when launching the app for the first time or after resetting it.

- 1 Tap  > **LG Health**.
- 2 Follow the on-screen instructions to complete configuration.

## Using LG Health

You can view main information on LG Health and manage the amount of physical exercise and health information.

- 1 Tap  > **LG Health**.
- 2 The following options are available.



-  : View your exercise log on the day you want to check.
-  : Begin tracking an exercise. The route and amount of your physical exercise are recorded for each exercise type.
-  : Set your daily exercise goals including calories and steps, or set various LG Health settings.



- Health-related information provided by LG Health is designed for user convenience and cannot be used for purposes of disease prevention, treatment, diagnosis or other medical issues.
- LG Health may vary or may not be available, depending on the country and 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.

# Update centre

You can check and install the latest version of the app or software provided by LG.

Tap  > **Management** > **Update centre**.

# File Manager

You can view and manage files saved on your device or cloud.

- 1 Tap  > **Management** > **File Manager**.
- 2 Tap  and select the desired storage location.

# Smart Doctor

You can use Smart Doctor to diagnose the device's condition and optimise it.

Tap  > **Management** > **Smart Doctor**.

# LG Mobile Switch

Easily transfer data from a used device to a new device via LG Mobile Switch.

- 1 Tap  > **Management** > **LG Mobile Switch**.  
You can also tap  > **Management** > **Settings** > **System** > **Backup** > **LG Mobile Switch**.
  - If the app is not installed on the product, download and install the LG Mobile Switch app from the Google Play Store.
- 2 Follow the on-screen instructions to select a desired method for transfer.



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

## App trash

You can see the list of apps deleted on the home screen. The app that was deleted within the last 24 hours can be recovered.

Tap  > **Management** > **App trash**.

For more details, refer to [App trash](#).

## SmartWorld

You can download a variety of games, audio content, apps and fonts provided by LG Electronics. Customise your device to suit your preferences by using Home themes and fonts.



- If you use mobile data, you may be charged for data usage depending on your pricing plan.
- This feature may not be supported depending on the area or service provider.

- 1 Tap  > **SmartWorld**.
- 2 Tap  > **LG Account**, then sign in.
- 3 Select and download the desired content items.

## Downloading SmartWorld app

If the SmartWorld app is not installed, follow these steps to download it.

- 1 Tap  > **Management** > **Settings** > **System** > **Update centre** > **App Updates**.
- 2 From the list, select **SmartWorld** and tap **Download**.

## RemoteCall Service

Your device can be remotely diagnosed for resolving issues. First, make a phone call to an LG Customer Service Centre as follows:



- To use this function, first you must agree to usage of the function.
- If you use mobile data, you may be charged for data usage depending on your pricing plan.

- 1 Tap  > **RemoteCall Service**.
- 2 Connect a call to an LG Customer Service Centre.
- 3 After the call connects, follow the service associate's instructions to enter a six-digit access number.
  - Your device is remotely connected and the remote support service starts.

## Cell Broadcast

You can view real-time text broadcasts on emergency situations, such as typhoons, floods and earthquakes.

Tap  > **Cell Broadcast**.

# Google apps

You can use Google apps by setting a 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 the Help in the app.



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

## Calendar

The Calendar app allows you to track your schedule of events (that you created), organised by Day, 3-day, Week or Month.

## Chrome

A fast, simple, and secure web browser, built for the modern web.

## Docs

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

## Drive

Drive is a file storage and sharing app that makes it easy to find, share and collaborate on work projects from anywhere, instantly.

## Duo

Make simple, high quality video calls to your friends and family on Android phones and iPhones.

## Gmail

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

## **Google**

The Google app keeps you in the know about the things you care about. Find quick answers, explore your interests, and get a feed of stories and updates on topics that matter to you.

## **Maps**

Going somewhere? Go with Maps, the app you can rely on for real-time GPS navigation, traffic, transit, and details about millions of places, such as reviews and popular times.

## **News**

Comprehensive up-to-date news coverage, aggregated from sources all over the world by Google News.

## **Photos**

Home for all your photos and videos, automatically organised so you can share and save what matters.

## **Play Movies & TV**

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

## **Play Music**

Purchase music from the Play Store. Play music saved on your device.

## **Sheets**

Sheets is a collaborative spreadsheet processing tool that powers productivity. Use Sheets to import, organise and analyse information together in real-time.

## **Slides**

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

## YouTube

Watch your favourite channels, listen to music you love, and upload videos to share with people around the world.

## Keep notes

Create, edit, and share you text and photo notes with Google Account.

## Assistant

Your device has the Google Assistant built-in. Find answers and get things done while on-the-go. To get started, just tap the Google Assistant key on the side of the phone or touch and hold the home button of the phone.



- The Google Assistant is not available in certain languages and countries.



04

**Settings**

# Settings

You can customise the device settings in accordance with your preferences.

Tap  > **Management** > **Settings**.



- If you enter a keyword on the search window at the top of the screen, you can conveniently run the items that need to be set.

## Network & internet

### Wi-Fi

You can connect to nearby devices over a Wi-Fi network.

#### Connecting to a Wi-Fi network

- 1 On the settings screen, tap **Network & internet** > **Wi-Fi**.
- 2 Tap  to activate it.
  - Available Wi-Fi networks appear automatically.
- 3 Select a network.
  - You may need to enter the network's Wi-Fi password.
  - The device skips this process for previously accessed Wi-Fi networks. If you do not want to automatically connect to a certain Wi-Fi network, tap the network and then tap **Forget**.

## Wi-Fi network settings

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

- **Switch to mobile data:** If the mobile data connection function is activated but the device cannot connect to the Internet via Wi-Fi connection, the device automatically connects to the Internet via the mobile data connection.



- This feature depends on the service provider.

- : Customise Wi-Fi network settings.

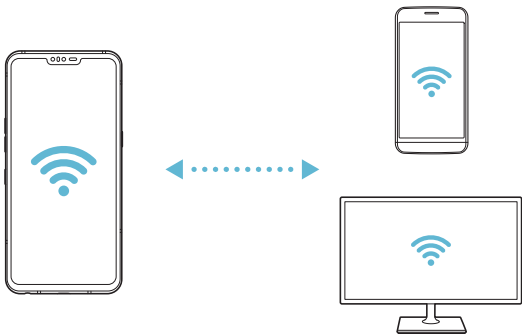
## Wi-Fi Direct

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 **Network & internet > Wi-Fi > > 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.



- The battery may drain faster when using Wi-Fi Direct.



## Mobile data

You can turn mobile data on and off. You can also manage mobile data usage.

### Turning on mobile data

- 1 On the settings screen, tap **Network & internet** > **Mobile data**.
- 2 Tap  to activate it.

### Customising mobile data settings

- 1 On the settings screen, tap **Network & internet** > **Mobile data**.
- 2 Customise the following settings:
  - **On/Off**: Set to use data connections on mobile networks.
  - **Limit mobile data usage**: Set a limit for mobile data usage to block mobile data if the limit is reached.
  -  :Customise mobile data settings.
  - Data usage volume is measured based on the product, and the volume calculated by your mobile provider may be different.

## Call

You can customise call settings, such as voice call and international call options.



- Some features may not be supported depending on the area or service provider.

- 1 On the settings screen, tap **Network & internet** > **Call**.
- 2 Customise the settings.

## Tethering

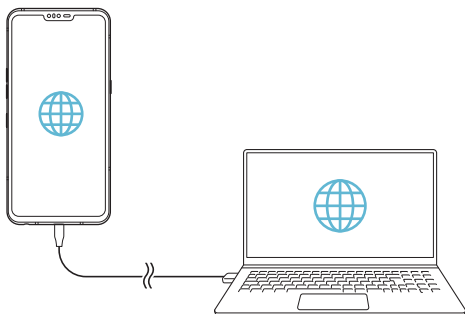
### USB tethering

You can connect the device to another device via USB and share mobile data.

- 1 Connect your device and other devices via USB cable.
- 2 On the settings screen, tap **Network & internet** > **Tethering** > **USB tethering** and then tap  to activate it.



- This option uses mobile data and may incur data usage fees, depending on your pricing plan. Consult with your service provider for more information.
- When connecting to a computer, download the USB driver from [www.lg.com](http://www.lg.com) and install it on the computer.
- You cannot send or receive files between your device and a computer while USB tethering is turned on. Turn off USB tethering to send or receive files.
- Operating systems that support tethering are Window XP or higher, or Linux.



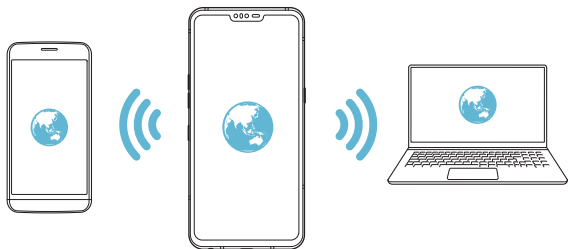
## Wi-Fi hotspot

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.

- 1 On the settings screen, tap **Network & internet** > **Tethering** > **Wi-Fi hotspot** and then tap  to activate it.
- 2 Tap **Set up Wi-Fi hotspot**, and enter the Wi-Fi name (SSID) and password.
- 3 Turn on Wi-Fi on the other device, and select the name of the device network on the Wi-Fi list.
- 4 Enter the network password.



- 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>



## Wi-Fi hotspot turn off timer

When the Wi-Fi hotspot has not been used for a specific period of time, it is automatically disconnected. You can set the time for automatic disconnection.

## Bluetooth tethering

A Bluetooth-connected device can connect to the Internet by using your device's mobile data.

- 1 On the settings screen, tap **Network & internet > Tethering > Bluetooth tethering** and then tap ☐ to activate it.
- 2 Turn on Bluetooth on both devices and pair them.



- 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#Bluetooth\\_tethering](http://www.android.com/tether#Bluetooth_tethering)

## Help

You can view help on using tethering and hotspots.

On the settings screen, tap **Network & internet > Tethering > Help**.

## Airplane mode

You can turn off the call and mobile data functions. When this mode is on, functions that do not involve data, such as games and music playback, remain available.

- 1 On the settings screen, tap **Network & internet** > **Airplane mode**.
- 2 Tap **Turn on** in the confirmation screen.

## Mobile networks

You can customise the mobile networks settings.

- 1 On the settings screen, tap **Network & internet** > **Mobile networks**.
- 2 Customise the following settings:
  - **Data roaming**: Select this option to enable the device to use mobile data when you are roaming outside your home network area.
  - **Network mode**: Select a network type.
  - **Access Point Names**: View or change the access point for using mobile data services. To change the access point, select a choice from the access point list.
  - **Network operators**: Search for network operators and connect automatically to a network.

## VPN

You can connect to a safe virtual network, such as an intranet. You can also manage connected virtual private networks.

### Adding VPN

- 1 On the settings screen, tap **Network & internet** > **VPN**.
- 2 Tap **+**.



- This feature is available only when the screen lock is activated. If the screen lock is deactivated, a notification screen appears. Tap **Change** from the notification screen to activate the screen lock. See *Setting a screen lock* for details.

- 3 Enter VPN details and tap **Save**.

### Configuring VPN settings

- 1 Tap a VPN from the **VPNS** list.
- 2 Enter the VPN user account details and tap **Connect**.
  - To save the account details, select the **Save account information** checkbox.

## Private DNS

You can configure the Private DNS (Domain Name System) options.

- 1 On the settings screen, tap **Network & internet** > **Private DNS**.
- 2 Select the desired option and tap **Save**.

# 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

- 1 On the settings screen, tap **Connected devices** > **Bluetooth**.
- 2 Tap  to activate it.
  - Available devices appear automatically.
  - To refresh the device list, tap .



• Only devices set as visible are displayed on the list.

- 3 Select a device from the list.
- 4 Follow the on-screen instructions to perform authentication.



• This step is skipped for previously accessed devices.

### Sending data via Bluetooth

- 1 Select a file.
  - You can send multimedia files or contacts.
- 2 Tap  > **Bluetooth**.
- 3 Select a target device for the file.
  - The file is sent as soon as the target device accepts it.



• File sharing processes may differ, depending on the file.

## Screen sharing

You can play the screen and sound of the device on a different device, such as a TV, that supports the Miracast function.

- 1 On the settings screen, tap **Connected devices** > **Screen sharing**.
- 2 Tap  to activate it.
- 3 Select a device from the list of nearby devices.
  - If the desired device does not appear, tap **Search** to refresh the list.
  - After connecting to the device, the device displays the screen of your device.



- Screen sharing turns off automatically if there is no sharing-compatible device in the vicinity.

## NFC

You can use the device as a transportation card or credit card. You can also share data with the other device.

- 1 On the settings screen, tap **Connected devices** > **NFC**.
- 2 Tap  to activate it.
  - Touch your device with other device that supports NFC to allow sharing data.



- NFC antenna may be located differently depending on the device type. See [Parts overview](#) for details about the NFC antenna area.

## Sharing panel

You can share contents from Gallery, Music and File Manager with nearby devices. Also you can share the content with specific people in apps that work with Google Direct Share.

- 1 On the settings screen, tap **Connected devices > Sharing panel**.
- 2 Tap  to deactivate each option.
  - **Nearby devices:** You can display the nearby devices to which you can share contents on the Gallery, Music, and File Manager apps.
  - **Direct share:** From an app which supports Google Direct Share, you can display an icon which allows you to share contents to specific people.

## File sharing

You can send and receive files between your device and other LG devices or tablets.

- 1 On the settings screen, tap **Connected devices > File sharing**.
- 2 Customise the following settings:
  - **V50 ThinQ:** Change the device name.
  - **Save to:** Set the destination folder to save files sent from other devices in.
  - **File sharing:** Permit receipt of files sent from other devices.
  - **SmartShare Beam:** Share files with other devices via SmartShare Beam.
  - **Help:** You can view help on sharing files.

## Media server

You can share media content on your device with nearby devices that support DLNA.

- 1 On the settings screen, tap **Connected devices** > **Media server**.
- 2 Customise the following settings:
  - **Content sharing**: Share content on your device with nearby devices.
  - **V50 ThinQ**: Set your device's name.



• Depending on the user's product, the menu names may appear differently.

- **Content to share**: Select the type of media content to share with other devices.
- **Allowed devices**: View a list of devices permitted to access content on your device.
- **Not-allowed devices**: View a list of devices not permitted to access content on your device.

## LG AirDrive

You can use your LG account to manage files saved on the device from a computer. You do not need a USB connection.

- 1 On the settings screen, tap **Connected devices** > **LG AirDrive**.
- 2 Use a single LG account to sign in to LG Bridge on the computer and **LG AirDrive** on the device.
  - LG Bridge software can be downloaded from [www.lg.com](http://www.lg.com).
- 3 Manage files on the device from the computer.

## Printing

You can connect your device to a Bluetooth printer and print photos or documents saved on the device.

On the settings screen, tap **Connected devices > Printing**.

- Tap **Default Print Service** to search for printers you can connect to. Or, tap **: > Add printer** to manually add a printer.
- Tap **+ Add service** to download the printer app you want.



- This is available only when the mobile network or the Bluetooth function is turned on.
- To down the printer app in **+ Add service**, first log on to your Google account.

## Sound

You can customise sound, vibrate and notification settings.

On the settings screen, tap **Sound** and customise the following settings:

- **Sound profile**: Change the sound mode to **Sound, Vibrate only**, or **Silent**.
- **Volume**: Adjust the sound volume for various items.
- **Ringtone**: Select a ringtone for incoming calls. Add or delete ringtones.
- **Notification sound**: Select a notification ringtone. Set music saved on the device as a notification ringtone.
- **Ring with vibration**: Set the device to vibrate and play a ringtone simultaneously.
- **Ringtone ID**: Create a ringtone for an incoming call from a particular contact.
- **Flash alert for incoming call**: Set the flash to blink according to LG ringtone.

- **Do not disturb:** Set the time, range and app type to receive notification messages. Receive notification messages only on particular days of the week.
- **Sound quality and effects:** Use the function to set the sound quality and effects while playing a song or video.
- **Vibration strength:** Adjust the vibration intensity.
- **Vibration type:** You can select the type of vibration when receiving calls.
- **Vibrate on tap:** Set the device to vibrate when you tap certain items on the screen.
- **Dialing keypad sound:** Enable the keypad sound effect.
- **LG Keyboard sound:** Enable LG keyboard sound effect.
- **Touch sound:** Enable a sound effect for tapping an item.
- **Screen lock sound:** Enable a sound effect when the screen is locked or unlocked.

## Display

You can customise detailed settings for each screen type.

On the settings screen, tap **Display** and customise the following settings:

- **Home screen:** Customise settings for the Home screen. See *Home screen settings* for details.
- **Wallpaper & theme:** Select a screen wallpaper, theme, icon, and AOD for your device.
- **Font:** Change the font size, bold text or type.
- **New Second Screen:** Select how the status bar and app corners will look.
- **Navigation bar:** Set the navigation bar style. See *Changing the style of the Home touch buttons* for details.
- **AOD(always-on display):** Always display information, such as the date, time and notifications, even when the screen is turned off. For details, see *AOD(always-on display)*.

- **Comfort view:** Set the device to reduce amount of blue light on screen to reduce eye strain.
- **Night mode:** You can apply a dimmed screen theme to avoid glare on the screen at night time.
- **Screen colour:** Adjust the colour, colour temperature, or RGB values for the desired screen.



- Tap  to reset the settings.

- **Video enhancement:** When playing back a video in full screen mode, you can change the settings for brighter and more dynamic colour display.
- **App scaling:** Adjust the screen size of apps.



#### Aspect ratio

- This device uses 19.5:9 aspect ratio.
  - Some downloaded apps may not support 19.5:9 aspect ratio. In this case, select the most optimal screen ratio for the app or consult the app provider for more information.
  - You can select the aspect ratio for individual apps by tapping  > **Management** > **Settings** > **Display** > **App scaling**. Select the desired aspect ratio from **Compatibility (16:9)**, **Standard (16.7:9)**, and **Full screen**.

- **Display size:** Set the items on the screen to a size easy for you to see. Some items may change position.
- **Screen resolution:** Adjust the screen resolution.



- When you change the screen resolution, currently running apps are closed.

- **Brightness:** Use the slide bar to change the device's screen brightness.
- **Auto:** Set the device so that the screen brightness is automatically adjusted in accordance with the ambient light intensity.

- **Screen timeout:** Automatically turn off the screen when the device is left idle for a specified period of time.
- **Auto-rotate screen:** Automatically rotate the screen according to the device's orientation.
- **Screen saver:** Display a screen saver when the device is connected to the 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. Drag the Home touch button at the bottom of the screen to the left or right.

## Lock screen & security

You can customise lock screen and security settings.

- 1 On the settings screen, tap **Lock screen & security**.
- 2 Customise the settings.
  - **Google Play Protect:** Scan your device daily for potentially harmful apps.
  - **Find My Device:** Remotely track the device location. You can also protect your data securely if you lost your device.
  - **Security update:** Check for software update and configure automatic installation settings.
  - **Google Play system update:** Check for Google Play system update.
  - **Select screen lock:** Select the desired screen lock method. See *Setting a screen lock* for details.
  - **Customise Lock screen:** Change the information displayed on the locked screen.
  - **Secure lock settings:** Change the secure lock settings.
  - **Fingerprints:** Use your fingerprint to unlock the screen or content. See *Fingerprint recognition overview* for details.
  - **Face Recognition:** Allow you to unlock the screen with your face. See *Face Recognition overview* for details.

- **Content lock:** Allow you to set a lock type (password or pattern) for your QuickMemo+ and Gallery files.
- **Encryption & credentials:** Configure the settings for SD card encryption and credentials.
  - **Encrypt SD card:** Encrypt the memory card to prevent use on another device. See *Memory card encryption* for details.
  - **Secure start-up:** Protect your device with a lock when it powers on. See *Secure start-up settings* for details.
  - **Credential protection:** View the type of the storage where the security certificate will be saved.
  - **Trusted credentials:** View your system's root CA certificates and user-installed CA certificates.
  - **User credentials:** View and change secure certificate information stored on your device.
  - **Install from storage:** Install a secure certificate from a storage.
  - **Clear credentials:** Delete user-installed secure certificates and related credentials.
- **Set up SIM card lock:** Lock or unlock the USIM card, or change the password (PIN).
- **Phone administrators:** Allow privileges to restrict the control or use of the device to particular apps.
- **Trust agents:** View and use trust agents installed on the device.
- **Screen pin:** Fix the app screen so that only the currently active app can be used.
- **Usage access:** View details on usage of apps on the device.

# Privacy

You can find and adjust all your privacy settings.

- 1 On the settings screen, tap **Privacy**.
- 2 Customise the settings.
  - **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.
  - **Auto-fill 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  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 personalised ads.
  - **Usage & diagnostics**: Enable this option to help improve the Android experience by automatically sending diagnostic, device, and app usage data to Google.

# Location

You can check how your location information is shared and configure the permission to access your location information.

On the settings screen, tap **Location** and set the desired function.

## Extensions

### Smart Doctor

You can use Smart Doctor to diagnose the device's condition and optimise it.

On the settings screen, tap **Extensions > Smart Doctor**.

### Context Awareness

You can automatically change your device settings according to the usage pattern and location.

- 1 On the settings screen, tap **Extensions > Context Awareness**.
- 2 Activate items you want to automatically change settings for.
  - **Parking Assistant:** This option will store your parking locations. If you don't want to receive parking notifications around your home or work place, turn My places notifications off . The parking records are stored in QuickMemo+.
  - **AUTOMATED:** You can set the device to change the sound profile, Bluetooth and Wi-Fi options automatically in different environments, such as At home, Away from home, At work, and Off work. You can also set an app to open when earphones are plugged in or a Bluetooth device is connected.



- To use this feature, home or work location must be preset in My places. On the settings screen, tap **Location > My places** to set the locations.

## Gaming

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

- 1 On the settings screen, tap **Extensions > Gaming**.
- 2 Customise the following settings:
  - **Game Launcher:** Tap  to use the game launcher.
  - **Game tools:** You can run the function while playing games by touching the game tools icon among the home touch buttons.
  - **Game graphics:** Adjust the game graphics.



- When you change the resolutions on some games, the screen display feature may not work properly.
- This function may not be available in certain game apps.

- **Break time:** Reduce the screen brightness and performance whenever you leave the game running for more than 5 minutes.

## Screen recording

You can configure the settings for screen recording.

- 1 On the settings screen, tap **Extensions > Screen recording**.
- 2 Customise the following settings:
  - **Include yourself in video by:** Select one from the following options and tap **Save**.
    - **Image:** Includes your profile image in video when recording. After selecting this, tap  and select a profile image. Then, adjust the size of the image using the slide bar.
    - **Front camera:** Includes yourself recorded using the front camera while recording the screen.
    - **Never:** Nothing is included.
  - **Audio source:** Choose the audio source between **Mic** and **Contents**.
  - **Video resolution:** Select the resolution for screen recording.

## To record the screen

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



- 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 install duplicate messenger apps on the product and use two accounts at the same time.

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

## Floating Bar

You can activate frequently used features including shortcuts, screenshots, Music, Contacts and more by touching and then swiping the Floating Bar on the screen. See [\*Floating Bar overview\*](#) for details.

## Shortcuts

You can use buttons such as the Lock/Power, Volume, and Google Assistant to run certain apps or functions right away.

- 1 On the settings screen, tap **Extensions > Shortcuts**.
- 2 Customise the following settings.
  - **View notification panel:** Swipe down/up on the fingerprint sensor for the notification panel.
  - **Open Camera:** Press Power key twice to open Camera.
  - **Open Capture+:** Press Volume Up key twice to open **Capture+** when the screen is locked or off.
  - **Open Camera:** Press Volume Down key twice to open **Camera** when the screen is locked or off.
  - **Open Google Assistant:** Press the Google Assistant key on the side of the phone.
  - **Talk to Google Assistant:** Press and hold the Google Assistant key to quickly talk to your Assistant.
  - **Show visual snapshot:** Press the Google Assistant key twice to see a snapshot of your day in the Google Assistant app.



• Google Assistant does not support certain languages.

## KnockON

Double-tap the screen to turn the screen on or off.

See *KnockON* for details.

## Increase touch sensitivity

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

On the settings screen, tap **Extensions > Increase touch sensitivity**.

# Digital Wellbeing & parental controls

You can view the product use time and set the timer for each app. Also, you can manage the mobile phone use time by using the Sleep Preparation Mode and Focus Mode.

Select **Digital Wellbeing & parental controls** on the settings screen and set the desired function.

## Apps & notifications

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

- 1 On the settings screen, tap **Apps & notifications**.
- 2 Customise the settings.

## Battery

You can view the current battery information or turn on power-saving mode.

- 1 On the settings screen, tap **Battery**.
- 2 Customise the following settings:
  - **Battery usage**: View the battery usage details.
  - **Battery percentage on status bar**: Display the remaining battery level as a percentage on the status bar.
  - **Optimized charging**: Automatically adjust charging speed according to how you charge to reduce heat and extend lifespan of battery.
  - **Adaptive battery**: Allow 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.
- **Power saving exclusions:** Select apps to use without any functional limitation while in power saving or battery optimisation mode.

## Storage

You can view and manage internal storage on the device or storage space of the memory card.

- 1 On the settings screen, tap **Storage**.
- 2 Customise the following settings:
  - **Internal storage:** View the total storage space and free space in the device's internal storage. View a list of apps in use and the storage capacity for each app.
  - **SD card:** View the total storage space and free space in the memory card. This option appears only when a memory card is inserted. To unmount the memory card, tap .

## Accounts

You can add users to share your device and register a cloud account.

- 1 On the settings screen, tap **Accounts**.
- 2 Customise the settings.

# Google

You can use Google settings to manage your Google apps and account settings.

On the settings screen, tap **Google**.

## System

### Update centre

You can check and install the latest version of the app or software provided by LG.

- 1 On the settings screen, tap **System > Update centre**.
- 2 Customise the following settings:
  - **App Updates:** Check if an app update is available. If available, you can install the update.
  - **Software Update:** Check if a software update is available. If available, you can install the update.

### Language & keyboard

You can customise language and keyboard settings for your device.

- 1 On the settings screen, tap **System > Language & keyboard**.
- 2 Customise the following settings:
  - **Language:** Select a language to apply for the device.
  - **Manage keyboards:** You can change the product's basic keyboard setting, set the use environments for LG Keyboard or other installed keyboards, and set the speech recognition function for Google Voice input. Also, you can set whether to display the keyboard button in the touch button area on the home screen so that you can quickly switch to another keyboard.

- **Physical keyboard:** Select to use the physical keyboard, or check keyboard shortcut keys.
- **Spell checker:** Allow you to set various options for Spell Checker.
- **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 Google Autocomplete, or add a new service account.
- **Text-to-speech output:** Configure the settings for text-to-speech output.
- **Pointer speed:** Adjust the pointer speed of a mouse or trackpad.
- **Reverse mouse buttons:** Reverse the right mouse button to perform primary direct-manipulation actions.

## Date & time

You can customise date and time settings for your device.

- 1 On the settings screen, tap **System > Date & time**.
- 2 Customise the settings.

## 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

You can back up data saved on your device to another device or account.

- 1 On the settings screen, tap **System > Backup**.
- 2 Customise the following settings:
  - **LG Mobile Switch:** Allow you to transfer data from an old LG device to your new LG device. See *LG Mobile Switch* for details.
  - **Backup & restore:** Back up your device data or restore data to your device from a backup.



- 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:** Change Google drive backup settings. You can also check the backup account currently used, or add a new backup account.

## Restart & reset

You can reset the device including network and app settings.

- 1 On the settings screen, tap **System > Restart & reset**.
- 2 Customise the following settings:
  - **Auto-restart:** Automatically restart and optimise the phone at a set time. Tap  to activate this feature. The device automatically restarts at a set time and optimise itself. Select a date and time for restart.



- You can set the device to restart itself once a week. The device automatically restarts in an hour from the preset time.
- Once the device restarts, notifications and badges are erased. Save important data before the preset time.
- The Auto-restart feature is not activated in the following situations:  
When the screen is turned on, when the device is in use, when the battery level is 30% or less, when the USIM card is locked, or when the device lock is activated while turning on the device.
  - Depending on the telecommunication provider, the auto-restart function may or may not be available.

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



- Restarting and resetting your device deletes all data on it. Enter your device name, Google Account and other initial information again.
- After data initialisation, the data cannot be restored.

## About phone

You can view information about your device, such as the name, status, software details and legal information.

On the settings screen, tap **System > About phone** and view information.

## Regulatory & safety

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

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

# Accessibility

You can manage accessibility plug-ins installed on your device.

- 1 On the settings screen, tap **Accessibility**.
- 2 Customise the following settings:
  - **Vision > TalkBack**: Set the device to notify screen status or actions via voice.
  - **Vision > Voice notifications**: Set the device to read the caller information via voice.
  - **Vision > Font**: Change the font size, bold text or type.
  - **Vision > Display size**: Set the items on the screen to a size easy for you to see. Some items may change position.
  - **Vision > Touch zoom**: Zoom in or out by tapping the screen three times.
  - **Vision > Window zoom**: Zoom in or out within a window and invert the colour.
  - **Vision > Large mouse pointer**: Magnify the mouse pointer.
  - **Vision > High contrast screen**: Turn the background colour into black for a high contrast screen.
  - **Vision > Screen colour inversion**: Increase the display colour contrast for people with low vision.
  - **Vision > Screen colour adjustment**: Adjust the display colour.
  - **Vision > Monochrome**: Switch the screen to grayscale mode.
  - **Vision > End call with the Power key**: End a call by pressing the Power/Lock key.
  - **Hearing > Captions**: Turn on the subtitle service when playing videos for the hearing impaired.
  - **Hearing > Blink LED**: Indicate device status via LED.
  - **Hearing > Flash alerts**: Set the device to notify you with a blinking light for incoming calls, messages and alarms.

- **Hearing > Mute all sounds:** Mute all sounds and lower volume on the receiver.
- **Hearing > Audio channel:** Select the audio type.
- **Hearing > Sound balance:** Adjust the audio output balance. Use the slide bar to change the balance.
- **Motor & cognition > Touch assistant:** Turn on the touch board to make buttons and gestures easier to use.
- **Motor & cognition > Touch input:** Enter text by touching and holding the screen or modify it by simply touching the screen.
- **Motor & cognition > Physical keyboard:** Customise the keyboard settings.
- **Motor & cognition > Auto mouse click:** Automatically click the mouse pointer in case of no movement.
- **Motor & cognition > Touch and hold for calls:** Answer or decline calls by touching and holding the call button instead of dragging it.
- **Motor & cognition > Screen timeout:** Turn off the screen automatically when the device is left idle for a specified period of time.
- **Motor & cognition > Touch control areas:** Limit the touch area so that only a particular portion of the screen can be controlled by touch input.
- **Accessibility features shortcut:** Quickly access a frequently used function by tapping  three times.
- **Auto-rotate screen:** Automatically change the screen orientation according to the physical position of the device.
- **Select to Speak:** Allow you to tap items to hear spoken feedback.
- **Switch Access:** Create key combinations to control your device.



05

## **Appendix**

# Language Settings

Select a language to use on your device.

- Tap  > **Management** > **Settings** > **System** > **Language & keyboard** > **Language** > **Add language**, and select a language.
- Touch and hold  and drag it to the top of the language list to set it as a default language.

## LG Bridge

### LG Bridge overview

LG Bridge is an app that helps you manage the photos, music, videos and documents saved on your LG smartphone from your computer conveniently. You can back up contacts, photos and more to the computer or update the device software.



- See LG Bridge help for details.
- The supported features may vary depending on the device.
- LG USB driver is a necessary program to connect your LG smartphone with the computer and is installed when you install LG Bridge.

### LG Bridge functions

- Manage the files on the device from a computer via Wi-Fi connection or mobile data connection.
- Back up data from the device to a computer or restore data from a computer to the device via USB cable connection.
- Update the device software from a computer via USB cable connection.

## Installing LG Bridge on a computer

- 1 Go to [www.lg.com](http://www.lg.com) from your computer.
- 2 Select your region.
- 3 Click **Support > Software & Firmware**.
- 4 Enter the name of your device.  
OR  
Select by the Product Category.
- 5 Go to **PC Sync > LG Bridge** to download the setup file.
  - Go to **Details** to view the minimum requirements for installing LG Bridge.

## Phone software update

### LG Mobile phone software update from the Internet

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

This feature allows you to conveniently update the firmware on your phone to a newer version from the Internet without needing to visit a service centre. 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.



- 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.

## LG Mobile Phone software update via Over-the-Air (OTA)

This feature allows you to conveniently update your phone's software to a newer version via OTA, without connecting a USB cable. This feature will only be available if and when LG makes a newer firmware version available for your device.

To perform the phone software update,

**Settings > System > Update centre > Software Update > Check now for update.**



- Your personal data from internal phone storage—including information about your Google Account and any other accounts, your system/application data and settings, any downloaded applications and your DRM licence—might be lost in the process of updating your phone's software. Therefore, LG recommends that you backup your personal data before updating your phone's software. LG does not take responsibility for any loss of personal data.
- This feature depends on the area or service provider.

# Anti-Theft Guide

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.



- 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](mailto: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 (Regulation ID number, E-labeling, etc.)

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

# Trademarks

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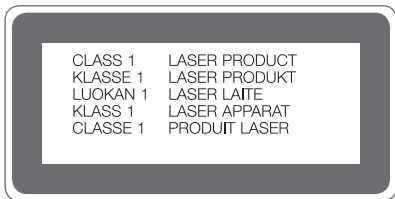
# Laser safety statement

## 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 an authorised service centre.

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.



# DECLARATION OF CONFORMITY

Hereby, **LG Electronics** declares that this **LM-V500EM** 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>

## 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 an LG Customer Service Centre.
- You can purchase protective cases to protect your device from damage on the market.

Note that these protective cases are not covered under the warranty service provided by LG Electronics and safety is not guaranteed.

### Dual Screen attachment

- You can attach Dual Screen to your device.
- The Dual Screen folder may not be closed completely if you attach a screen-protective film or glass on the screen.
- The Dual Screen may not work properly if you attach a protective film or sticker at the back of the device where the Dual Screen connector is placed.
- See Dual Screen manual for details.

## Guide to data transfers

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

| Type            | Item details                                                                     | LG device<br>→<br>LG device | Third party<br>Android device<br>→<br>LG device | iOS device<br>→<br>LG device |
|-----------------|----------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------|------------------------------|
| Personal data   | Contacts, messages, dial logs, calendar, voice recordings                        | ○                           | ○                                               | ○                            |
|                 | Memos                                                                            | ○                           | X                                               | ○                            |
|                 | Alarms                                                                           | ○                           | X                                               | X                            |
| Media data      | Photos, videos, songs, documents                                                 | ○                           | ○                                               | ○                            |
| Screen settings | Home screen settings (folders and widgets)                                       | ○                           | X                                               | X                            |
|                 | Lock screen settings (screen lock settings excluded)                             | ○                           | X                                               | X                            |
| Apps            | Downloaded apps                                                                  | ○                           | ○                                               | -                            |
|                 | Personal data of the downloaded app                                              | ○                           | X                                               |                              |
| Others          | Public certificate                                                               | ○                           | ○                                               | X                            |
|                 | Settings (Wi-Fi, Bluetooth, Calls, sound & notification, accessibility, battery) | ○                           | X                                               | X                            |



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

# FAQ

This chapter lists some problems you might encounter when using your device. Some problems require you to call your service provider, but most are easy to fix yourself.

## Device overheats

### Device overheats while it is used.

In the following cases, the battery consumption increases and the device may overheat:

- When you turn on the device for the first time or back up the data
- When running multiple apps simultaneously
  - When multiple apps are running in the background
  - When downloading large files while making a video call or recording a video
- When using features that require high power
  - When watching video streaming on the internet, or recording a long video
  - When playing high-end games for long time
  - When using the device with maximum screen brightness for a long time
- When using lots of mobile data
  - When using Wi-Fi hotspot or tethering
  - When synchronising the data for multiple accounts simultaneously

- Other cases
  - When roaming overseas
  - When using the device in areas with weak signals or no reception
  - When charging the device with the charger/USB cable port that is damaged or contaminated with foreign substance



- Some of the above cases may not apply depending on the features and apps.

## **Device overheats while charging.**

- The device and the charger may become hot while charging. During wireless charging or fast charging, the device may become even hotter. If the battery temperature rises above a certain level, the device may stop charging.
  - Disconnect the charger from the device and close any running apps. Let the device cool down before charging the device or running an app again.
  - Stop charging if the charger/USB cable port at the lower part of the device overheats, and visit the nearest LG Customer Service Centre.

## **How to solve overheating of the device**

- Close any running apps or features, and let the device cool down.
- Always update the software to the latest version.
- Turn off Wi-Fi, Bluetooth, or GPS features while not using them.
- Close apps you don't use.
- If you are using the device with maximum screen brightness, decrease the brightness.
- If the device overheats for a prolonged period, stop using it for a while. If the device continues to overheat, visit the LG Customer Service Centre.

## Usage limitations when the device overheats

If the device overheats while using it or charging, some features, apps, or even the device may be turned off.

This is a normal operation for the devices that support this feature.

- If the device temperature rises above a certain level, a warning message appears.
  - If you play high-end games, record videos, or upload large files, the device may overheat for a prolonged period. In this case, a warning message may appear to notify automatic shutdown.  
Turn off the device or close any running apps or features, and let the device cool down.
- The screen brightness and the operating speed may be limited to cool down the device. Any running apps or features may slow down or stop. The device may stop charging.

## SIM card error

Make sure the SIM card is correctly inserted.

## No network connection or dropped network

Signal is weak. Move to a window or an open area.

You are outside the carrier network area. Move and check the network.

## Calls are not available

New network not authorised.

Make sure you have not set call barring for the incoming number.

Make sure you have not set call barring for the number you are dialing.

## Device cannot be turned on

When the battery is completely discharged, your device will not turn on.

Fully charge the battery before turning on the device.

## **Charging error**

Make sure device is charging at a normal temperature.

Check the charger and its connection to the device.

Use only in-box accessories which are authorised by LG.

## **The battery depletes faster than when first purchased**

When you expose the device or the battery to very cold or hot temperatures, the battery life may be reduced.

Battery consumption will increase when you use certain features or apps, such as GPS, games or the Internet.

The battery is consumable and the battery life will get shorter over time.

## **Error messages appear when launching the camera**

Charge the battery.

Free some memory by transferring files to a computer or deleting files from your device.

Restart the device.

If you are still having trouble with the camera app after trying these tips, contact a LG Electronics Service Centre.

## **The photo quality is poor**

The quality of your photos may vary, depending on the surroundings and the photography techniques you use.

If you take photos and videos, standard angle quality is better than wide-angle.

If you take photos in dark areas, at night or indoors, image noise may occur or images may be out of focus.

If you have any problems, reset the options.

## **The touch screen responds slowly or incorrectly**

If you attach a screen protector or optional accessories to the touch screen, the touch screen may not function properly.

If you are wearing gloves, if your hands are not clean while touching the touch screen or if you tap the screen with sharp objects or your fingertips, the touch screen may malfunction.

The touch screen may malfunction in humid conditions or when exposed to water.

Restart your device to clear any temporary software bugs.

If the touch screen is scratched or damaged, visit a LG Electronics Service Center.

## **Hangs or freezes**

### **Restart the device**

- If your device freezes or hangs, you may need to close apps or turn the device off and then on again.

### **Perform a boot-up**

- 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 and Power keys until the device restarts.

## Reset the device

- If the methods above do not solve your problem, perform a factory data reset.
- On the settings screen, tap **System > Restart & reset > Factory data reset**.
  - This method resets all settings for the device and deletes data. Before performing the factory data reset, remember to make back-up copies of all important data stored in the device.
  - If you registered a Google Account to the device, you must sign in to the same Google Account after resetting the device.

## Bluetooth device is not located

Make sure the Bluetooth wireless feature is activated on your device.

Make sure the Bluetooth wireless feature is activated on the device you wish to connect to.

Make sure your device and the other Bluetooth device are within the maximum Bluetooth range (10 m).

If the tips above do not solve your problem, contact a LG Electronics Service Centre.

## A connection is not established when you connect the device to a computer

Make sure the USB cable you are using is compatible with your device.

Make sure you have the proper driver installed and updated on your computer.

## Downloaded application causes a lot of errors

Application has problems.

Remove and reinstall the application.

This handset is not suitable for people who have a visual impairment due to the touch screen keyboard.



06

**LG Dual Screen  
(LM-V505N)**

# Getting to Know LG Dual Screen

You can connect an LG Dual Screen (LM-V505N) to this product for use.



- You can connect the LG dual screen (hereinafter “product”) to a dedicated mobile device (hereinafter “mobile phone”), to use the product.
- Depending on the performance of the a dedicated mobile 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 colour. In this case, the device is ineligible for any free-of-charge repair services provided under the device’s limited warranty.
- Your device has a dedicated receiver (57~66GHz) built-in for the V50 ThinQ.

## Guidelines for safe and efficient use

Please read these simple guidelines. Not following these guidelines may be dangerous or illegal.

Should a fault occur, a software tool is built into your device that will gather a fault log. This tool gathers only data specific to the fault, such as signal strength, cell ID position in sudden call drop and applications loaded. The log is used only to help determine the cause of the fault. These logs are encrypted and can only be accessed by an authorised LG repair centre should you need to return your device for repair.

## Exposure to radio frequency energy

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

This device 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, or SAR. Tests for SAR are conducted using standardised methods with the device transmitting at its highest certified power level in all used frequency bands.
- While there may be differences between the SAR levels of various LG device models, they are all designed to meet the relevant guidelines for exposure to radio waves.
- The SAR limit recommended by the International Commission on Non-Ionizing Radiation Protection (ICNIRP) is 2 W/kg averaged over 10 g of tissue.
- This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 5 mm away from the body. When a carry case, belt clip or holder is used for body-worn operation, it should not contain metal and should position the product at least 5 mm 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.

## Product care and maintenance

- Use only in-box accessories which are authorised by LG. LG does not guarantee any damage or failure which is caused by third party accessories.
- Some contents and illustrations may differ from your device without prior notice.
- Do not disassemble this unit. Take it to a qualified service technician when repair work is required.
- Repairs under warranty, at LG's discretion, may include replacement parts or boards that are either new or reconditioned, provided that they have functionality equal to that of the parts being replaced.
- Keep away from electrical appliances such as TVs, radios and personal computers.
- The unit should be kept away from heat sources such as radiators or cookers.
- Do not drop.
- Do not subject this unit to mechanical vibration or shock.

- Switch off the device in any area where you are required to by special regulations. For example, do not use your device in hospitals as it may affect sensitive medical equipment.
- Do not handle the device with wet hands while it is being charged. It may cause an electric shock and can seriously damage your device.
- Use a dry cloth to clean the exterior of the unit (do not use solvents such as benzene, thinner or alcohol).
- Do not subject this unit to excessive smoke or dust.
- Do not keep the device next to credit cards or transport tickets; it can affect the information on the magnetic strips.
- Do not tap the screen with a sharp object as it may damage the device.
- Do not expose the device to liquid or moisture.
- Use accessories like earphones cautiously. Do not touch the antenna unnecessarily.
- Do not use, touch or attempt to remove or fix broken, chipped or cracked glass. Damage to the glass display due to abuse or misuse is not covered under the warranty.
- Your device 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 device during or immediately after operation.
- If your device gets wet, immediately unplug it to dry off completely. Do not attempt to accelerate the drying process with an external heating source, such as an oven, microwave or hair dryer.
- The liquid in your wet device, changes the colour of the product label inside your device. Damage to your device as a result of exposure to liquid is not covered under your warranty.
- A product 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 1.0cm from the user's body.
- Please ensure that the product does not get in contact with liquid. Do not use the product if it is wet. Once the product becomes wet, the liquid damage indicator changes colour. Please note that this will limit you from receiving any free-of-charge repair services provided under warranty.

# Efficient device operation

## Electronics devices

All devices may receive interference, which could affect performance.

- Do not use your device near medical equipment without requesting permission. Please consult your doctor to determine if operation of your device may interfere with the operation of your medical device.
- Pacemaker manufacturers recommend that you leave at least 15 cm of space between other devices and a pacemaker to avoid potential interference with the pacemaker.
- This device may produce a bright or flashing light.
- Some hearing aids might be disturbed by devices.
- Minor interference may affect TVs, radios, PCs etc.
- Use your device in temperatures between 0 °C and 40 °C, if possible. Exposing your device to extremely low or high temperatures may result in damage, malfunction, or even explosion.

## Road safety

Check the laws and regulations on the use of devices in the area when you drive.

- Do not use a hand-held device while driving.
- Give full attention to driving.
- Pull off the road and park before making or answering a call if driving conditions so require.
- RF energy may affect some electronic systems in your vehicle such as car stereos and safety equipment.
- When your vehicle is equipped with an air bag, do not obstruct with installed or portable wireless equipment. It can cause the air bag to fail or cause serious injury due to improper performance.
- If you are listening to music whilst out and about, please ensure that the volume is at a reasonable level so that you are aware of your surroundings. This is of particular importance when near roads.

## Glass Parts

Some parts of your device are made of glass. This glass could break if your device is dropped on a hard surface or receives a substantial impact. If the glass breaks, do not touch or attempt to remove it. Stop using your device until the glass is replaced by an authorised service provider.

## Blasting area

Do not use the device where blasting is in progress. Observe restrictions and follow any regulations or rules.

## Potentially explosive atmospheres

- Do not use your device at a refueling point.
- Do not use near fuel or chemicals.
- Do not transport or store flammable gas, liquid or explosives in the same compartment of your vehicle as your device or accessories.

## In aircraft

Wireless devices can cause interference in aircraft.

- Turn your device off before boarding any aircraft.
- Do not use it on the ground without permission from the crew.

## Children

Keep the device in a safe place out of the reach of small children. It includes small parts which may cause a choking hazard if detached.

## Driver Safety Tips

Your product gives you the powerful ability to communicate almost anywhere, anytime, but an important responsibility accompanies the benefits of your product, one that every user must uphold.

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

- Do not take notes or look up phone numbers while driving. Typing up a "to do" list or flipping through your address book takes attention away from your primary responsibility of driving safely.

# Product components and accessories

The following items are available for use with your product.

- Product
- Quick Start Guide

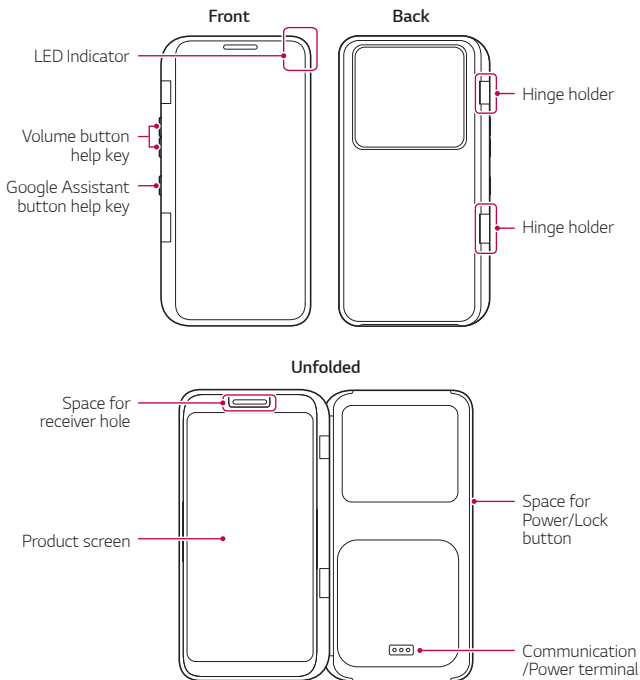


- Some of the product parts are made of tempered glass. If you drop your product on a hard surface or subject it to severe impact, the tempered glass may be damaged. If this happens, stop using your product immediately and contact an LG Customer Service Centre.



- The appearance and specifications of your product are subject to change without notice.

# Parts overview



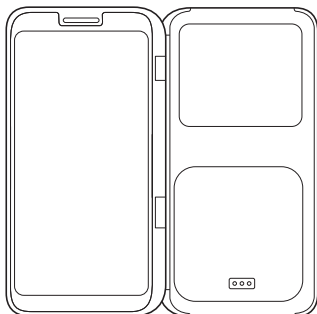
- Do not subject the product to strong impact such as dropping, pressing or bending it. Pressing the product with excessive force may damage the product.



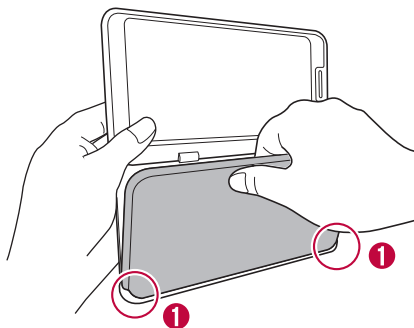
- The assistant keys and spaces in this product do not work independently. Be sure to connect the product with V50 ThinQ.

# Inserting the mobile phone to the product

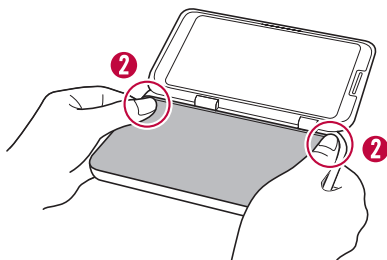
- 1 Unfold the product as seen in the figure below.



- 2 Make the screen of the mobile phone face outwards and insert part 1 of the phone into the product as shown in the figure. At this time, check the alignment of the phone, power, volume and Google assistant key should match the cut-outs and button locations on the product.



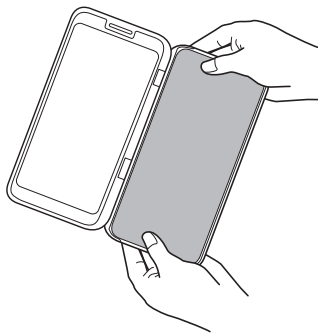
- 3 Press part 2 of the mobile phone with your fingertip until the phone clicks into place.



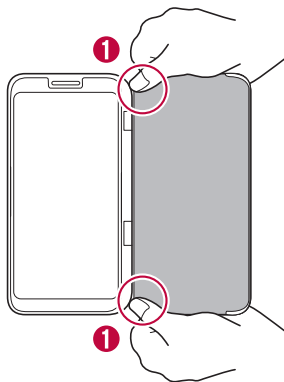
- Be careful not to drop the product or the mobile phone while inserting or removing the phone.
- Be careful not to damage the product by pressing the phone too hard when inserting or removing the phone from the product.
- Please make sure your phone is fully inserted into the product before use.

# Removing the mobile phone from the product

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



- 2 Press part 1 on the product with your finger and at the same time press the back of the mobile phone with another finger to remove the phone from the product.



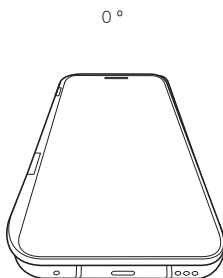
- Part of the product is made of tempered glass. Dropping the product on a hard surface or subjecting it to a strong impact may cause the tempered glass to break or become worn, damaging the product or causing injury.
- If this happens, stop using the product immediately and visit your nearest LG Customer Service Centre for repair.
- 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 product malfunction. If there is moisture, stop using the product immediately and remove the moisture completely.

# Using the Product

## When making a phone call

When making a phone call, you can fold the product outward to 360 ° or fold it inward to 0 °.

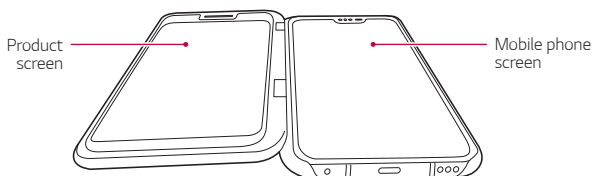
- If you are using the product by folding it 360 °, make sure that the front and back of the product are in full contact. In this case, the screen of the product automatically turns off to save the power.



- You can press the Google Assistant key in order to receive an incoming call while your mobile phone is inserted into the product.

## When using two screens

Unfold the product to put the two screens side by side.



## Using the Product Screen

When using the product screen and the phone screen at the same time, colour difference may occur between the two screens.

- Try adjusting the colour temperature or RGB levels in **○ > Management > Settings > Display > Screen colour** on your phone to minimise colour difference.
- Colours may look different depending on the viewing angle, so adjust the colours in a fully unfolded state.

## Using Dual Screen Home

### Getting to Know Dual Screen Home

The Dual Screen Home can operate independently of the product's 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 generate or delete folders.

## Getting to know Dual Screen Home layout

You can use various functions by running the icons provided on the home screen.



Quick access area



- The background of the dual screen may differ from the figure depending on the manufacturer's policies, user settings, software versions, services provided by telecommunication providers, etc.

- **Quick access area:** Fix main apps at the bottom of the screen so that they can be accessed from any Home screen canvas.
- **Home touch buttons:** You can swipe the bottom of the Home screen upwards to see the hidden Home Touch buttons.
  - ◀: Return to the previous screen. Close the keypad or pop-up windows.
  - ○: Tap to go to the Home screen.
  - □: Tap to view a list of recently used apps or run an app from the list. To delete all the recently used apps, tap **Clear all**.

## Using the Dual Screen Panel

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

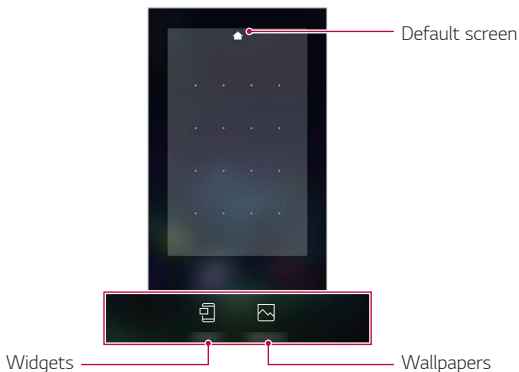
- You can adjust the screen brightness on the **Dual Screen Panel**.
  - If you activate synchronisation by selecting **Sync**, the screen brightness of the dual screen comes in sync with that of the connected product.
- You can tap **Capture+** to capture the product screen.
  - You can save the captured image using **QuickMemo+** or save it in the **Gallery**.
- You can turn off the product screen by tapping **Dual Screen**.
  - The dual screen and the connected mobile phone are disconnected.
- You can tap  to enter the settings menu of the dual screen.



## Making Changes to Dual Screen Home

Press 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 down on a blank area of the Home screen, then select **Widgets**.
- To change wallpapers, themes, and icons, touch and hold down on a blank area of the Home screen, then select **Wallpapers**.
- To change the default screen, touch and hold down on a blank area of the Home screen, move to desired screen, tap , then tap the screen once more.

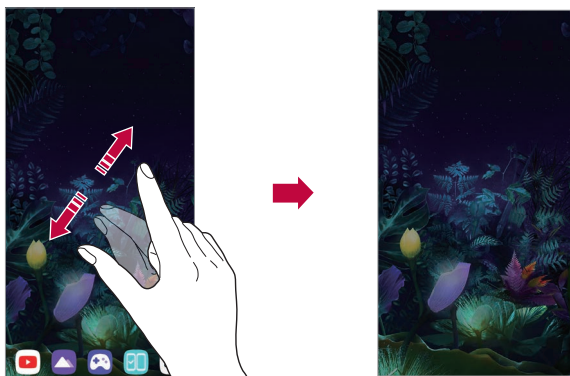


## Viewing dual screen background

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 or tap ◀.



## Setting dual screen environment

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

1 Select  > **Management** > **Settings** > **Display** > **Dual Screen**.



- 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.

- **Dual Screen Tool:** If you connect your mobile phone to the dual screen, the dual screen tools appear on the screen. The brightness level is synchronised 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, and use the apps.
- **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 synchronise the brightness level with that of the connected mobile phone.
- **Wallpaper:** You can select the wallpaper for the Home screen.
- **App drawer icon:** You can show or hide the App drawer on your product.
- **My Pick App:** Each time you turn on the dual screen, the preset dual screen apps run automatically.



- The list of apps that appear on the screen may differ depending on the installed apps.

# Using Dual Screen Capture+

## Capturing screen using Dual Screen Capture+

Pull down the status bar on the screen that you want to capture, and tap  **Capture+**.

- To save the captured image, tap  and save it to the desired location.
  - You can save the captured image using **QuickMemo+** or save it in the **Gallery**.
  - To always save data in the same location, check **Use as default app** and select a desired app.

## Writing notes on screen using Dual Screen Capture+

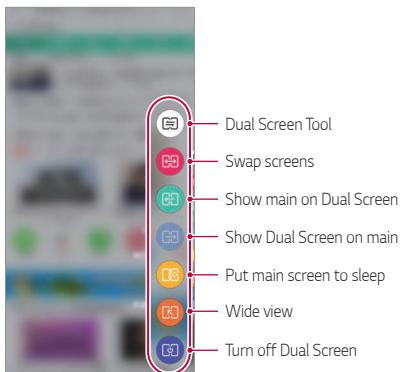
- 1 Pull down the status bar on the screen that you want, and tap  **Capture+**.
  - The captured image appears as the memo desktop, and the memo tool appears at the top of the screen.
- 2 Take notes freely on the captured image.
  - Tap  to make a note on the screen with handwriting.
  - Tap **T** to enter text at the bottom of the screen.
- 3 To save the memo, tap  and save it to the desired location.
  - You can save the memo using **QuickMemo+** or save it in the **Gallery**.
    - If you enter text only, it is auto-saved by Qmemo+.
  - To always save data in the same location, check **Use as default app** and select a desired app.

## Dual Screen Tool

If you connect your mobile phone to the dual screen and turn on the dual screen, the **Dual screen tool**  appear on the mobile phone screen.

When you turn on the dual screen, you can see the **Dual Screen Tool** as shown below.

|                                                                                   |                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | You can tap it lightly to show or hide the Dual Screen Tool.                                                                                                                                  |
|  | You can switch screens between the dual screen and the mobile phone.                                                                                                                          |
|  | You can send the screen from the mobile phone to the dual screen.                                                                                                                             |
|  | You can bring the screen from the dual screen to the mobile phone.                                                                                                                            |
|  | 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. |
|  | If you want the mobile phone and the dual screen to show the same screen, you can use the Wide View.                                                                                          |
|  | You can turn off the dual screen by disconnecting the dual screen and the mobile phone.                                                                                                       |





- 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 running the Chrome app.

## Using Extended view

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

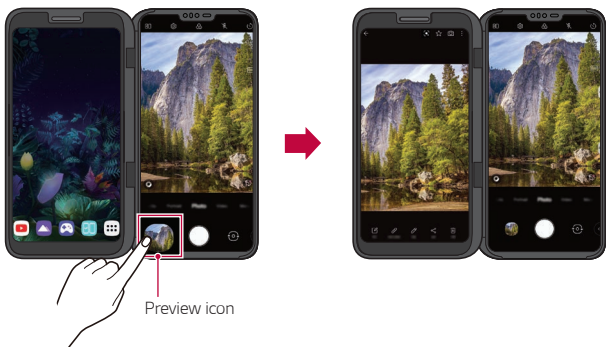


- This function is also available in partner apps in addition to the Camera and Gallery apps.
- The UI may differ depending on the app used.

## Using Extended view in Camera app

You can shoot a photograph or video on the product or your mobile phone and view the result on the dual screen on the other side.

- 1 Run **Camera** on the product or your mobile phone and shoot a photograph or video.
- 2 After shooting a photograph or video, select **Preview icon**.
  - You can view the photograph or video you have taken on the dual screen on the other side.



- If you view a photograph or video by pressing the preview icon once, you no longer have to press the icon to view the photographs or videos that are shot on the dual view.
- This function does not remain active if you turn off the Camera app and turn it on again.

## Using Extended view in Gallery app

Tap  while running the Gallery app folder on the product or mobile phone for enlarged viewing of the photo or video on the opposite screen.

- 1 Run the Gallery app on the product or mobile phone.
- 2 Select the album folder and then tap .
  - The photo or video will be displayed in an enlarged view on the opposite screen.
  - Tap  to quit this function.



## Using My Pick App

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

- 1 Select  > **Management** > **Settings** > **Display** > **Dual Screen** > **My Pick App**.
- 2 Select the apps that will run automatically each time you turn on the product screen.



- Some apps cannot be run as dual screen apps.
- The list of apps that appear on the screen may differ depending on the installed apps.

## Using Dual Screen Wide view

When you are using the Chrome or Naver app, you can use the Wide view to make the dual screen and the mobile phone screen to show the same screen.

- 1 While the mobile phone is connected to the dual screen, run the Chrome app.
- 2 Among the dual screen tools, select Wide view .
- 3 You can extend the screen horizontally or vertically.



- When you use the Wide view, you can also extend the keyboard input field to fit the horizontal or vertical mode.

## Moving between app screens on dual screen

You can swipe the screen with three fingers to move an app screen between the product 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.



Swipe the app screen with three fingers



Move the app screen to the main screen



Swipe the app screen with three fingers



Move the app screen to the dual screen



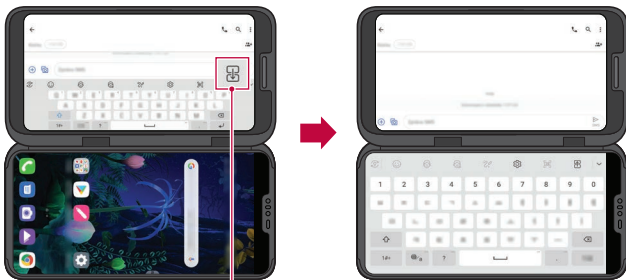
- To use this feature, three fingers must touch the screen at the same time.

## Using Dual Keyboard on dual screen

In landscape mode, you can tap the dual keyboard button  to send the keyboard to the opposite screen at the bottom.

You can expand the keyboard up and down 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  in the keyboard input window of the dual screen.
  - You can check the keyboard input data on the dual screen and use the input window on the product.
  - Tap  in the expanded state to return the bottom keyboard to its original position.



Dual Keyboard



- To move the app screen up or down, touch the screen with three fingers at the same time to move it up or down. See [Moving between app screens on dual screen](#) for details.

## Using Triple Preview

You can simultaneously view three previews of the rear camera on the dual screen.

- 1 Tap  > **Camera**.
- 2 Tap  on the top part of the camera screen.
  - The **Triple Preview** appear on the dual screen.

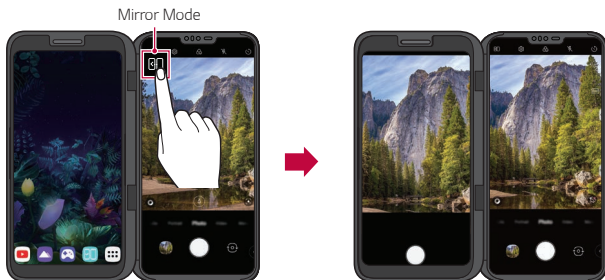


- When you select the desired image from the **Triple Preview** screen, you can see it on the main screen.

## Using Mirror Mode

When taking photos using the camera, you can preview the photos on the dual screen.

- 1 Tap  > **Camera**.
- 2 Tap  on the top part of the camera screen.
  - The **Mirror Mode** appears on the dual screen.



- You can also take pictures or videos directly from the dual screen.

Use the dual screen to adjust the angle for various situations as listed below.

- High angle image capturing: It is used when capturing an image of a lot of people at a concert or festival or when capturing an image of a large space.
- Low angle image capturing: It is used when capturing an image of your child at the child's eye level or when capturing an image of tall buildings, etc.



High angle shooting

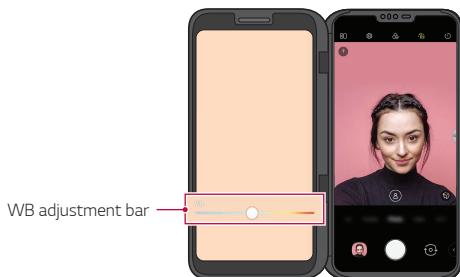
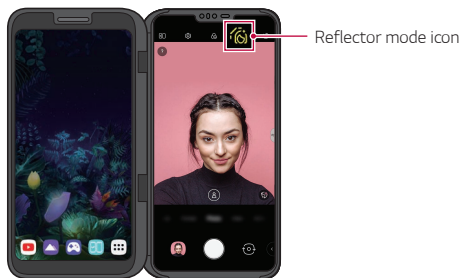


Low angle shooting

## Using Reflector Mode on dual screen

When shooting a selfie, you can use the dual screen as a reflector.

- 1 Tap  > **Camera**, and take a picture with the front camera.
- 2 Tap the Flash button at the upper right corner twice.
  - The dual screen illuminates the object brightly just like a reflector.



- Move the WB adjustment bar to adjust the colour of the reflector.

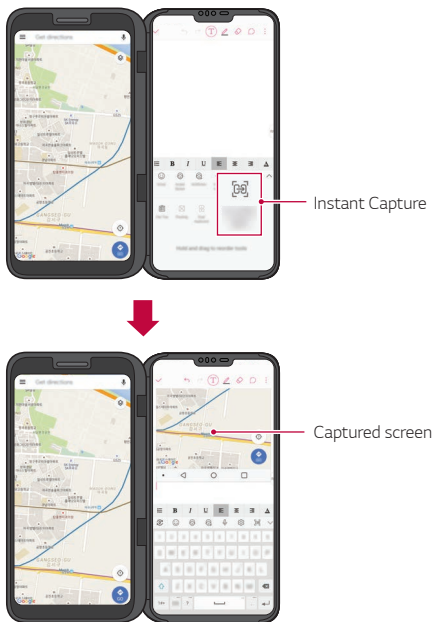
## Using Instant Capture on dual screen

When the mobile phone is connected to the product, an Instant Capture  function is provided in 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  on the LG Keyboard input screen.

- The screen on the dual screen is captured and automatically attached to the keyboard input window.

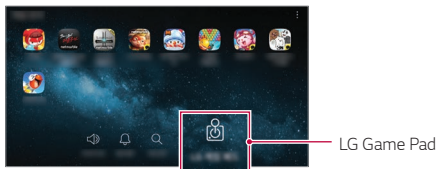


- You cannot use both screens as the keyboard input screen at the same time.

## LG Game Pad

You can use virtual controllers on the product 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 Tap  > **Game Launcher** and select **LG Game Pad** .



- **LG Game Pad** appears on the product screen.



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



You can play the game by holding the product as shown below.



- The **LG Game Pad** is only available for games that support hardware game pads.
- Depending on the game, some apps or buttons may not support the **LG Game Pad**.

# Trademarks

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## DECLARATION OF CONFORMITY

Hereby, **LG Electronics** declares that this **LM-V505N** 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>*

# More information

## Precautions on product handling

- This product 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.
- The liquid in your wet device, changes the colour of the product label inside your device. Damage to your device as a result of exposure to liquid is not covered under your warranty.

## 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 an LG Customer Service Centre.
- You can purchase protective cases to protect your device from damage on the market.  
Note that these protective cases are not covered under the warranty service provided by LG Electronics and safety is not guaranteed.

## Using the battery

- This product does not use its own battery.
- If the product is mounted with a mobile phone, it uses the battery of the mobile phone.

