

USER GUIDE

LM-F100EMW

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MFLXXXXXXXX (1.0)

www.lg.com

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.
- 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- Default apps on the device are subject to updates, and support for these apps may be withdrawn without prior notice.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.
- This user guide is written in major languages for each country. Depending on the language used, content may partly differ.

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.

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.

Information about the RF exposure from FCC

In August 1996, the Federal Communications Commission (FCC) of the United States, with its action in Report and Order FCC 96-326, adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both international and U.S. standards. The design of this device complies with FCC guidelines and these international standards.

Part 15.19 statement

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

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Part 15.21 Statement

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

Body-worn Operation

This device was tested for typical bodyworn operations with the back of the device kept 0.39 inches (1 cm) between the user's body and the back of the device. To comply with FCC RF exposure requirements, a minimum separation distance of 0.39 inches (1 cm) must be maintained between the user's body and the back of the device.

Any beltclips, holsters, and similar accessories containing metallic components may not be used. Body-worn accessories that cannot maintain 0.39 inches (1 cm) separation distance between the user's body and the back of the device, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

Part 15.105 Statement

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

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

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.
- Avoid exposing the device to low air pressure at high altitude.
- Do not expose the device to extremely low air pressure. Otherwise, it can cause explosion of the battery or leakage of flammable liquid or gas.
- Please ensure that the product does not get in contact with liquid. Do not use or recharge the product if it is wet. Once the product becomes wet, the liquid damage indicator changes color. Please note that this 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 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.

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.
- 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.
- Power Consumption (Networked Standby Mode) : 0.4 W

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.



Notice for Battery replacement

- Li-Ion Battery is a hazardous component which can cause injury.
- Battery replacement by a non-qualified professional can cause damage to your device.
- Do not replace the battery by yourself. The battery can be damaged, which can cause overheat and injury. The battery must be replaced by a qualified professional. The battery should be recycled or disposed separately from household waste.
- In case this product contains a battery incorporated within the product which cannot be readily removed by end-users, LG recommends that only qualified professionals remove the battery, either for replacement or for recycling at the end of this product's working life. To prevent damage to the product, and for their own safety, users should not attempt to remove the battery and should contact LG Service Helpline, or other independent service providers for advice.
- Removal of the battery will involve dismantling of the product case, disconnection of the electrical cables/contacts, and careful extraction of the battery cell using specialized tools. If you need the instructions for qualified professionals on how to remove the battery safely, please visit <http://www.lge.com/global/sustainability/environment/take-back-recycling>.



01

Custom-designed Features

Swivel features

Swivel mode

You can swivel the product to use two screens. Swivel the product as shown below.

Swivel-up

Use your right thumb to slightly push up the bottom of the main screen.



- Do not apply excessive force as the main screen opens semi-automatically.
- Be careful not to get your thumb jammed while pulling down the main screen.

Swivel Home

Swivel Home is the first screen that appears after swivelling the product. In this mode, you can use the main screen and second screen homes separately or together to utilize in various ways.

Main screen

The home screen of the main screen appears as below.

App icons

Choose and start an app by dragging an app icon left and right. Some apps on the main screen can be used on both the main screen and second screen.

Configuring home screen

Touch and hold an empty space on the main screen, then configure the home screen as desired.

Using app icons


Touch and hold an app icon. You can delete the app from the home screen or use various app features immediately.

Second screen


The home screen of the second screen appears as below. Use the second screen in various ways.

Second screen quick setting


You can drag the upper part of the second screen downward to open the quick setting window.

- You can tap  to add or delete an icon on the quick setting window or change the location.
- Touch and hold an icon on the quick setting window and the configuration screen will appear.

LG Touch Pad

- Tap  to open LG Touch Pad.
- Once LG Touch Pad is activated in the second screen, a mouse key appears on the main screen as in PC to move it and choose an icon freely.

Using Grip Lock

- You can touch  to start Grip Lock.
- The second screen is locked when Grip Lock is selected.
- You can unlock it by turning off Grip Lock.

Multitasking in the Swivel mode



Using multitasking by swivelling the product allows you to use one app on both screens or use two apps on each screen simultaneously.



- This feature may not be supported in some apps.



Enlarging videos

Use your right thumb to slightly push up the bottom of the main screen.

- 1 Tap  on the main screen.
- 2 Choose a video you want to play and tap **Play video**.
- 3 Tap  on the second screen.
 - The video controller screen appears on the second screen.


Expanding YouTube app

Use your right thumb to slightly push up the bottom of the main screen.

- 1 Tap  on the main screen.
- 2 Choose the YouTube content you want to play and play it.
- 3 Tap  on the second screen.
 - The Media Controller screen appears on the second screen.

Using Multi App

Once you select apps with the **Multi App** widget on the second screen, you can use the selected two apps simultaneously every time you tap the widget. Set the frequently-used apps as **Multi App**.

- 1 Touch and hold an empty space on the second screen.
- 2 Tap **Multi app settings** .
- 3 Scroll down the app list and select two apps to use as Multi App.

- 4 The Multi App icon is created on the home screen of the second screen.



- To delete the Multi App icon, touch and hold the icon on the second screen, tap **Remove from**, then tap **Remove**.







Camera features

Using the camera in the Swivel mode

You can use the features specialised for the video recording when the product is in the Swivel mode.

Gimbal mode




You can use the camera as if it is inserted in a gimbal. Record a video in the Gimbal mode to minimise shaking.


- 1 Change the product to the Swivel mode.
 - You can also start the Swivel mode camera by swivelling the product in the camera app.
- 2 Tap  on the main screen.
- 3 Select **Gimbal Mode** by swiping camera modes.
- 4 Tap  to start recording in the Gimbal mode.
 - To take a photo while recording a video, tap .
 - To pause the video recording, tap . To resume the video recording, tap .
- 5 Tap  to end recording.

FPV (First Person View) mode	Your rotations or movements are naturally reflected so that you can record a video rhythmically and dynamically.
Pan Follow mode	The up/down and clockwise/anticlockwise rotations are fixed and the angle moves left/right. It is efficient for capturing photos or videos when walking up the stairs or moving in a car while maintaining level.
Follow mode	The clockwise/anticlockwise rotations are fixed and the angle moves up/down and left/right. It is efficient for capturing photos or videos of an overall appearance of a large subject such as a concert or a building.
Joystick	You can move the joystick in any direction you want, so that you can move the angle up/down and left/right without rotating the camera while minimising blurriness.
Lock mode	Touch and hold to lock the angle.
Sound effects	<ul style="list-style-type: none"> • Basic: You can record a video with a stable stereo sound effect. • ASMR Recording: Use it to amplify the sound of the subject in the screen to record a video with clear, small sounds. • Voice Bokeh: Use it to record a video with reduced surrounding sounds and emphasized voice of a subject.

Taking Slo-mo

Make a fun video by controlling a movement speed. You can apply a motion effect slower than normal.

- 1 Change the product to the Swivel mode.
- 2 Tap  on the main screen.
- 3 Select **Slo-mo** by swiping camera modes.
- 4 Tap  or  to choose a duration for the slow motion effect.


- Part Slo-mo: Allows you to apply a slow motion effect to a specific section of the video.
 - Tap  at the moment where you want the slow motion effect to be applied. With a short-press, slow motion effect will be applied for 0.5 second. With a long-press, slow motion effect will be applied until you release your finger.
- All Slo-mo: Allows you to apply a slow motion effect to the entire video.

Time-lapse recording

You can record Time-lapse videos optimised for the situation.

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





You can also select the time-lapse speed manually.

- 1 Change the product to the Swivel mode.
- 2 Tap  on the main screen.
- 3 Select **Time-lapse** by swiping camera modes.
 - Choose the screen magnification of the scene to be recorded on the second screen.


- Choose the Time-lapse speed on the second screen.



- If you select Auto, it automatically sets the speed suitable for the screen to be recorded.






- 4 Tap  to record a video.
- You can change a zoom and time-lapse speed while recording.
 - If you tap the desired speed, the time-lapse speed is adjusted while recording.
 - 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.
- 5 Tap  to stop recording.
- The recorded video will be saved in Gallery.



- Audio is not recorded during Time-lapse recording.
- You can tap  to record a Night Time-lapse video.

Taking a Dual-recording video

You can use front and rear cameras simultaneously to record a video. You can save the videos from each camera either as one file or two separate files.

- 1 Change the product to the Swivel mode.
- 2 Tap  on the main screen.
- 3 Select **Dual recording** by swiping camera modes.
 - The Front pop-up camera automatically pops up.
- 4 Tap  to record a dual-recording video.
 - You can touch and hold the main screen and drag to switch the locations of the front and rear camera screens.
 - To pause the video recording, tap . To resume the video recording, tap .
- 5 Tap  to end the recording.





- If you choose to save separately, the videos of the front and rear cameras are saved as separate files.
- If you choose to save as shown, the videos of front and rear cameras are saved in one screen.



- If you start Dual-recording mode, a built-in Front pop-up camera comes out. Do not push or pull it with excessive force, or it may be broken.



Taking PIP (Picture in Picture)

- If you tap  in the control screen of the second screen, the recording screen is switched to take a PIP (Picture in Picture).
- If you tap , you can switch the screen locations of front and rear cameras.
- You can touch and hold the PIP screen and drag it to one of the four corners as desired.

Audio recording features

Video recording with specialised audio recording options

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

- 1 Tap  and select **Video** by swiping camera modes.
- 2 Tap  and select **Basic**, **ASMR Recording**, or **Voice Bokeh** by swiping audio options.

Basic

You can record a video with stable stereo sound.

ASMR Recording

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






Voice Bokeh

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

- To reduce ambient noise, drag the slide bar to .



Recording ASMR sounds

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

- 1 Tap **Essentials** > **HD Audio Recorder** and tap  > **ASMR**.
- 2 Tap  to record the audio.
 - To pause the recording, tap . To continue the recording, tap .
- 3 Tap  to end the audio recording.

LG 3D Sound Engine

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

- 1 Drag the notifications panel downwards.
- 2 Tap  to turn on or off the LG 3D Sound Engine feature.
Or tap **Settings** > **Sound** > **Sound quality and effects** > **LG 3D Sound Engine** and tap  to activate it.



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

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.

Launching Google Assistant

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




- This feature may be more vulnerable to security than the other screen locks, such as Pattern, PIN, and Password.
When a similar voice or your recorded voice is used, the screen may be unlocked.
- To use this feature, on the home screen, tap **Settings > Lock screen & security > Secure lock settings > Smart Lock**, and then use the screen lock method you set to unlock the device.
- 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 **Finish**.

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 Swipe diagonally from a bottom edge corner of the 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.



02

Basic Functions

Product components and accessories

The following items are included with your device.

- Device
- USB cable
- Ejection pin
- Charger
- Quick Start Guide
- Phone Case



- 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 by yourself.

- Doing so may severely damage the battery and device, which could cause overheating, fire, and injury. This device's back cover and battery are not to be removed or replaced by a non-qualified professional.
- Your phone is an electronic device that generates heat during normal operation. Extremely prolonged, direct skin contact in the absence of adequate ventilation may result in discomfort or minor burns. Therefore, use care when handling your phone during or immediately after operation.

- 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.
- Fingerprint sensor
 - You can use the fingerprint sensor at the bottom centre of the screen to use the fingerprint recognition function. See *Fingerprint recognition overview* for details.



- Some functions may be restricted depending on the region and product specifications of different telecommunications providers.
- There are NFC chip and wireless charging antennas built into the rear part of the product. Be careful not to damage or cover the NFC chip or wireless charging antennas.
- 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 keys may not function properly.

There are two microphones built into this product. Be careful not to cover the microphones. While you are talking on the phone, do not cover the microphone with your hand or fingers.

Do not use a phone case that is not a genuine product or cover the microphone with accessories, tape, etc.

Hold the product correctly as shown in the image when you are using it.

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.
- **Power off and 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.



- Be careful with the ejection pin since it has a sharp edge.

- 1 Insert the pin into the hole of the card tray and press the pin, and then pull the card tray out of the product.
- 2 Align the Nano-SIM cards on the card tray and press the card in the direction of the arrow as shown in the figure.



- The SIM card tray 2 also serves as the memory card tray. However, you cannot put both the SIM card and the memory card (optional) at the same time.

- 3 Insert the card tray into the phone as shown in the figure.



- This device supports only Nano SIM cards.



Micro



Standard



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

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 On the home screen, tap **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.



- If there is moisture on the charging port, exposed terminals, charging cable, charging adapter, etc., do not use or charge the product. The product may malfunction or get broken or damaged, and there is risk of injury caused by electric shock, fire, overheating, explosion, etc. If you find moisture on such areas, stop using or charging the product immediately and completely remove the moisture.

- **Do not separate the battery cover.**

This product uses a non-removable battery. Do not remove or replace the battery cover or the battery. If you remove or replace the battery cover or the battery, the product may be damaged, overheated or explode.

- Only use the USB cable and charging adapter provided with the product as basic components.
- 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 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.
- When you are visiting the Service Centre with a battery issue, bring the product and the charger with you. Since the battery is a consumable, the battery life may be shortened as times goes by.

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 of 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:

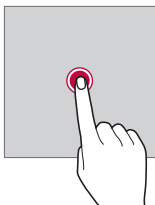
- Turn off the **Bluetooth®** or Wi-Fi network function when not using them.
- Set the screen timeout to as short a time as possible.
- Minimise the screen brightness.
- Set a screen lock when the device is not used.
- Check the battery level while using any downloaded apps.

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.



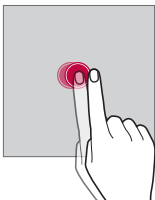
Touching and holding

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



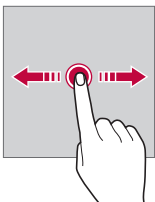
Double-tapping

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



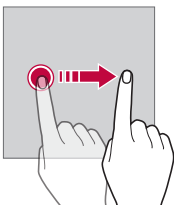
Dragging

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.



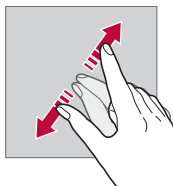
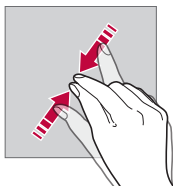
Swiping

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. Swipe up from the bottom edge of 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.
- **Navigation bar:** You can go to the previous screen or home screen while using the app, and check the list of apps you used recently.

Using Navigation bar

Here is the gestures guide to control the Navigation bar.
















- To go to Home screen, swipe up from the bottom edge of the screen.
- To go back to the previous screen, swipe in from the left or right edge of the screen.
- To go to Overview screen, swipe up and hold from the bottom edge of the screen.
- To quickly switch between apps, swipe right at the bottom edge of the screen to go to previously used apps.



- **Gestures** is the default for the Navigation bar. To change it to **Buttons only** ◀/○/□ on the home screen, tap **Settings > Display > Navigation bar**, then select **Buttons only**.

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.
- 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 **Settings > Display** and activate **Auto-rotate screen** on the home 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 **Settings > Wallpaper & theme** on the home screen, then select wallpapers, themes, icons, and AOD, to apply to the device.

- To change the grid, touch and hold on a blank area of the Home screen, then select **Grid**. Tap the desired grid, then tap **Apply**.

- 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.

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 drag up — from the bottom edge of the screen.

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 tap the folder name.
- To edit the colour, tap the right upper circle.
- 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 .



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

Home screen settings

You can customise the Home screen settings.

- 1 On the home screen, tap **Settings > Display > Basic Home**.
- 2 Customise the following settings:
 - **Select Home:** Select a Home screen mode.
 - **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.
 - **Google feed:** Show to the left of the main Home screen.
 - **Sort apps by:** Set how apps are sorted on 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).
 - **Swipe down on the Home screen:** Enable to search apps or contents, or view notifications by swiping down on the home screen.
 - **Swipe up on the Home screen:** Enable to search apps or contents, by swiping up on the home screen.
 - **Home screen lock:** Enable to prevent apps and widgets from being rearranged or removed.


Customise the Swivel Home

The Swivel Home is the first start screen that appears after swivelling up the product. Use the Home screens of the main screen and the second screen in various ways.

- **Clock and weather:** You can check the current time and weather.
- **App shortcuts:** You can quick start the apps on the list.
- **Navigation bar:** You can use some gestures to go to the Home screen, previous screen, Overview screen, or quickly switch between apps.
- **Quick access area:** You can use the apps you want to start directly.

Configuring the Swivel Home Screen

You can change the settings related to the Home screen of the Swivel mode.

- 1 On the home screen, tap **Settings > Display > Swivel Home**.
- 2 Choose the desired function to set a configuration.
 - **Swipe down on the Home screen:** Select what you want to view when swiping down the main home screen in the Swivel mode.
 - **Multi App Shortcut:** You can select a screen effect which appears when swivelling the phone.
 - **Screen swipe effect:** Choose a desired visual effect when you swivel the phone.
 - **App drawer icon:** Enable the App drawer icon  visible on the second screen.
 - **Icon shape:** Choose a desired shape for icons from the options provided.
 - **Home screen lock:** Enable to prevent apps and widgets from being rearranged or removed.
 - **Help:** View the help for Swivel Home.

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 On the home screen, tap **Settings > Lock screen & security > Select screen lock** and then select the method you prefer.
- 2 Customise the following settings:
 - **None:** Deactivate the screen lock function.
 - **Swipe:** Swipe on the screen to unlock the screen.
 - **Pattern:** Draw a pattern to unlock the screen.
 - **PIN:** Enter a numeric password to unlock the screen.
 - **Password:** Enter an alphanumeric password to unlock the screen.
 - **Fingerprints:** Unlock the screen by using your fingerprint.

Customise Lock screen

You can customise lock screen.

- 1 On the home screen, tap **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 On the home screen, tap **Settings > Lock screen & security > Secure lock settings**.
- 2 Select a function you want to set.
 - **Make pattern visible** (shown only when Pattern is set as a screen lock): Turn on 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** (shown only when a screen lock is set): Enable this option to display the Lockdown icon when you press and hold the Power/Lock button. Tap the Lockdown icon to turn off Smart Lock, biometric unlocking, and notifications on the lock screen.

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



- Available menu options may vary depending on the lock screen method selected.

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:

On the home screen, tap **Settings > Extensions > KnockON** and drag it to disable the function.

Fingerprint Recognition

Fingerprint recognition overview

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

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

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



- Your fingerprint can be used by the device for user identification. Very similar fingerprints from different users may be recognised by the fingerprint sensor as the same fingerprint. For added security, set the screen lock using a pattern, PIN or Password.
- If the device cannot detect your fingerprint, or you forget the value specified for registration, contact the LG Authorised 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.

- At the bottom centre of the product's screen, there is a built-in sensor that recognises fingerprints. Be careful not to scratch or damage the fingerprint sensor with metal objects such as coins or keys.
- If you replace the protective film on the product with a polarized film that diffuses the light or a film that is too thick, it may decrease the fingerprint recognition rate.
- If there are foreign substances (sweat, lotion, water, dirt, grease, etc.) on the fingerprint sensor or on the finger to be put on the sensor, fingerprint recognition may not work properly. Wipe the sensor and the finger clean and remove all moisture before putting the finger on the sensor.
- If the finger's surface is rough due to it being scarred or pruned from water, the sensor may not be able to recognise the fingerprint. In such a case, register another finger's fingerprint.
- If you bend your finger or use the fingertip only, your fingerprint may not be 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 On the home screen, tap **Settings > Lock screen & security > Fingerprints**.



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

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




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

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

Managing fingerprints

You can edit or delete registered fingerprints.

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

Displaying the fingerprint icon when the screen is off

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

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

Icon effect

You can choose an effect that appears when the fingerprint icon is touched.

- 1 On the home screen, tap **Settings > Lock screen & security > Fingerprints**.
- 2 Unlock according to the specified lock method.
- 3 Tap **Icon effect** and select a desired effect.

Unlocking the screen with a fingerprint

You can unlock the screen or view locked content by using your fingerprint.

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

KnockON

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

On the home screen, tap **Settings > Extensions > KnockON** to enable the option.



- 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.

Multi-tasking feature

Recent Uses Screen

Swipe the Navigation bar — upward and hold to view the recent use history.

Pop-up window

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

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



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

Using the pop-up window

- — : Minimises the pop-up window. The pop-up window is minimised into the app icon floating on the screen, which can be moved anywhere you want.
- [] : Expands the app to full screen.
- ✕ : Closes the app.

- **To move the pop-up window:** Drag the top of the pop-up window.
- **To adjust the size of the pop-up window:** Drag the left, right or bottom edge of the pop-up window.



- You can open up to 5 apps using the pop-up windows.
- To select an app from the opened apps, tap one of the pop-up windows. The selected pop-up window comes to the front.
- Pop-up windows cannot be moved to the status bar or navigation bar area.

Using the app folder for pop-up windows

If you tap — on the pop-up window, the pop-up window is minimised into the app icon.

You can move the app icon anywhere you want by dragging it.

If two or more pop-up windows are minimised, the app folder is created to contain the app icons.



- The recently-used app icon is used as the app folder icon. If you tab the icon, all the icons for the minimised pop-up windows appear in the app folder.





- If you touch and hold the app folder for pop-up windows and drag the app folder into **Remove**, the app folder will be removed.
- To remove one of the apps from the app folder, open the app folder and drag the app icon out of the app folder.

Multi window

When using Gestures navigation (by default)

- 1 Swipe up and hold — from the bottom of the screen.
 - Recently-used apps appear.
 - If you tap the app icon, the **App info**, **Multi window**, **Pop-up window** and **Pin app** options appear.
- 2 Tap the app icon on the top left of the app to be displayed in the multiwindow and select **Multi window**.
 - The selected app appears at the top half of the screen.
- 3 Tap the other app to be displayed in the multi window.
 - The selected app appears at the bottom half of the screen.

When using Buttons only navigation

- 1 Tap  on the navigation bar.
 - Recently-used apps appear.
 - If you tap the app icon, the **App info**, **Multi window**, **Pop-up window** and **Pin app** options appear.
- 2 Tap the app icon on the top left of the app to be displayed in the multiwindow and select .
 - The selected app appears at the top half of the screen.
- 3 Tap the other app to be displayed in the multi window.



- To adjust the size of the split screen, drag the bar on the centre of the screen.
- To deactivate the multi window feature, drag the centre bar up or down to the end of the screen.
- The multi window feature is not supported in some LG apps or apps downloaded from Play Store.

Memory card encryption

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

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



- 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 Screenshot


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




- See *Writing notes on a screenshot* for details.

Screen recording

You can 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.

- When you tap , the front pop-up camera comes up and the display using the front camera is also included.

4 To stop recording, tap . 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.

Entering text















Using the Smart toolbar

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

- 1 Select the desired keyboard input method from the Smart toolbar.
- 2 Tap  and select the input method you want to show on the Smart toolbar, or reorganise them.



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

-  : Add emojis.
-  : Tap to add animated emoticons or make your own emoji by using a photo or camera.
-  : You can use Tenor's GIF keyboard. Tap **Accept** to use this feature.
-  : Open Draw chat.
-  : Tap  to enter text with your voice.
 - 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.
-  : Enter text by handwriting. It is required to download the input language data for handwriting. Tap **Download** to download the input language data for handwriting.
-  : Activate floating keyboard when you use the Multi-window feature. You can also move the keyboard to the desired location.
-  : Tap to use one-handed operation mode.
-  : Tap to adjust the size of the keyboard.
-  : Tap to adjust the transparency of the keyboard.

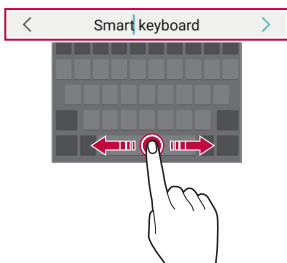
Using the Smart keyboard

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

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

Moving the cursor

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



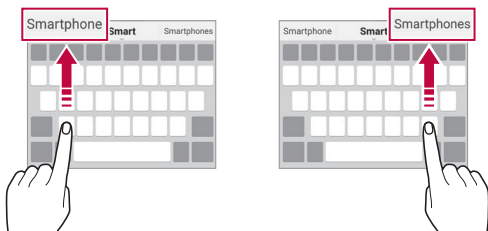
- This option is available only on the QWERTY keyboard.

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.



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 clip tray.
- 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.

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 on the home screen, tap **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.


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.

Sending files

From the **Gallery** 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, on the home screen, tap **Settings** > **Connected devices** > **File sharing** > **SmartShare Beam** .



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

Do not disturb

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

On the home screen, tap **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.
- **Sleeping:** Set the schedule for which you want to turn on the Do not disturb feature.
- **Help:** View the help for Do not disturb.


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 On the home screen, tap **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** or **Image**.
 - Tap **Show display** and select **Tap to show for 10 seconds** or **Always show**.
 - Tap **Quick tools & music player** to swipe over the status icons for Quick tools and the music player.
 - To enhance brightness for the Always-on display feature, tap **Brighter display**.
 - To view the help for Always-on display, tap **Help**.



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



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

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

Uninstalling by using the settings menu

On the home screen, tap **Settings > Apps > 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 On the home screen, 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, Gallery 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 On the home screen, 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 On the home screen, tap  > **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, on the home screen, tap **Settings > Network & internet > Call > Answer and end calls** and then activate **End call with the Power key**.



- On the home screen, tap **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, On the home screen, tap **Settings > Network & internet > Call > Call blocking & 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.





- On the home screen, tap **Settings > Network & internet > Call > Additional settings > Incoming voice call pop-up** and then select the desired way you would like to display the incoming call while using an app.

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** on the home screen.

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, on the home screen, 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 On the home screen, 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 On the home screen, 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 On the home screen, 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 On the home screen, 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.




On the home screen, 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.

Taking a photo


You can take photos with the camera in the product.

- 1 Tap  and focus on the subject.
 - You can touch the subject to focus on.
 - You may spread or pinch two fingers to zoom in or out.
- 2 Tap  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.
 - The options displayed on the shooting screen may differ depending on the selected camera (front or rear) and camera mode.
 - The camera will turn off automatically if you do not use it for a while after running the **Camera** app.



- You can run the camera app by short-pressing the power key twice. On the home screen, tap **Settings** > **Extensions** > **Shortcuts** and then tap **Open Camera** to activate it.
- When the screen is turned off or locked, start the camera by pressing the Volume Down key twice. On the home screen, tap **Settings** > **Extensions** > **Shortcuts** and then tap **Open Camera**  to activate it.

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.

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

Tracking focus	Enables 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.)
Grid	Display guide grids so that you can take photos or record videos based on the horizontal and vertical reference lines.
Cheese shutter	Allows you to take a photo by saying 'Cheese', 'Smile', 'Whiskey', 'Kimchi', or 'LG'.
Add watermark	Displays a watermark on the photos
Tag locations	Save the image with GPS location data.
Storage	Select if you want to store the pictures and videos in the Internal storage or SD card. (Available when a memory card is inserted.)
Help	Provide Help for each camera menu.

Additional options on the front camera

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



- You can apply the make-up effect when taking a selfie using the front camera.
- **Gesture shot** is taken by recognising the shape of a hand and **Auto shot** is taken by recognising a face.

Mode Selection

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

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

Using camera modes





Record Time-lapse videos

You can record Time-lapse videos optimised for the situation.

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

You can also select the time-lapse speed manually.







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

- 2 Tap  to record a video.
- You can change a zoom and time-lapse speed while recording.
 - If you tap the desired speed, the time-lapse speed is adjusted while recording.
 - 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 stop recording.
- The recorded video will be saved in Gallery.








- Audio is not recorded during Time-lapse recording.


Recording a video

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

Taking portraits

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

- 1 Tap  and select **Portrait** by swiping camera modes.
 - Select a desired effect by swiping effect options for portrait.
- 2 Tap  to take a photo, or touch and hold  to record a video.
 - To pause the video recording, tap . To resume the video recording, tap .







- 3 Tap  to end the video recording.



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



Using a sticker



You can add various stickers in photos or videos. Also, enjoy a dynamic effect through moving **3D AR stickers**.

- 1 Tap  and select **Sticker** by swiping camera modes.
- 2 Tap  to take a photo, or touch and hold  to record a video.
 - To pause the video recording, tap . To resume the video recording, tap .
- 3 Tap  to end recording.

3D AR Sticker

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

- 1 Tap  and select **Sticker** by swiping camera modes.
- 2 Tap .
- 3 Swipe the sticker list left or right to select an AR sticker to use.
 - The face detected by the camera is scanned in 3D.

- 4 Tap  to take a photo, or touch and hold  to record a video.
- The photo is taken with 3D AR Sticker applied.



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





Using additional camera modes

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

Night View

You can take vivid and clear night photos. **Night view** will run automatically when you take a photo in a low light conditions.

You can also take clear night scenes by using the **Night view** feature manually.





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



- Hold steady and firm so that the camera does not shake while taking a photo.

Panorama

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



- 1 Tap  and select **More** by swiping camera modes.
- 2 Tap .
- 3 Tap  and then slowly move the camera in one direction.
- 4 Tap  to stop capturing the panoramic.




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




Manual Camera

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

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

- 4 Tap  to take the photo.




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

Manual video










You can record a video by manually customizing various options. Adjust values for the white balance, focus, brightness, ISO, shutter speed and more.

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

- 3 Manually adjust the camera settings, as necessary.
- 4 Tap  to record a video.

Slo-mo


You can create an entertaining video by changing the moving speeds of subjects in your video.

- 1 Tap  and select **More** by swiping camera modes.
- 2 Tap .
- 3 Customize the following camera settings.
- 4 Tap  or  to select a duration of the slow motion effect.
 - **Part Slo-mo:** Allows you to apply a slow motion effect to a specific section of the video.
 - Tap  at the moment where you want the slow motion effect to be applied. With a short-press, slow motion effect will be applied for 0.5 second. With a long-press, slow motion effect will be applied until you release your finger.
 - **All Slo-mo:** Allows you to apply a slow motion effect to the entire video.
- 5 Tap  to start recording.
 - To pause the video recording, tap . To resume the video recording, tap .
- 6 If you want to finish shooting, tap .

YouTube Live

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

To use this feature, you must meet the eligibility requirements. Contact **YouTube** for the requirements.

- 1 On the home screen, tap .
- 2 Select **More** by swiping camera modes, then tap ((•)).




- 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.

Useful camera features

Taking a photo with the AI feature

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



- Tap  to deactivate the AI feature.

Auto-Exposure/Auto-Focus lock

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



- This feature is available only in specific modes.

Zoom in or out



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



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

Using the Burst Shot

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

- 1 Tap  and select **Photo**.
- 2 Touch and slide  to the left or right.
 - Multiple, consecutive photos (up to 100 photos) are taken while you are holding down.

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.


Gallery

Gallery overview

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

Viewing photos

You can view the photos saved to the product.

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



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

Playing a video

You can view the videos saved to the product.



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

Contacts


Contacts overview

You can save and manage contacts.

On the home screen, 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 top 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.



- Pressing the search bar at the top 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 .
- 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 **Groups**, then 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 On the home screen, 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.
 - ★ : Save your favorite pen types.
 - ✎ : Write notes by hand.
 - 🧽 : Erase handwritten notes.

-  : Change into the calligraphy font as you write by hand.
-  : 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 screen is captured and displayed as a thumbnail on the right bottom of the screen.
- 2 To write notes on the screen, tap .
- 3 Write notes using the tools.
 -  : Zoom in or out, or adjust the area to capture.
 -  : Write notes by hand.
 -  : Erase handwritten notes.
 -  : Undo the previous edit.
 -  : Redo the recently deleted edits.
 -  : Crop the screen as you desire.
- 4 Tap  and save the notes.
 - Saved notes can be viewed in **Gallery**.

Additional features after capturing a screenshot



- You can capture the entire screen by using the scroll capture feature.
- While using an app such as Messaging and Chrome, drag the notifications panel downwards and then tap 📄. Then, tap [↕] 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.

Clock

Alarm

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

- 1 On the home screen, tap **Essentials** > **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 On the home screen, tap **Essentials** > **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 On the home screen, tap **Essentials** > **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 On the home screen, tap **Essentials** > **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 On the home screen, tap **Essentials** > **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.
- If you set the flashlight, flashlight blinks to fit the music being played.

Calculator

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


- 1 On the home screen, tap **Google > 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.

On the home screen, tap **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.

LG Health

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

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.

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

Normal

You can record audio without extra settings.

ASMR

You can record ASMR sound.

Concert




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

Custom



You can manually 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 On the home screen, 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.
- To change additional settings, tap **> Settings**, then customise the file type, bit depth, sampling rate and other settings.
- When you select the Concert or Custom mode with earphones connected,  appears. Tap , and then select the microphone to use.
- You can monitor the the 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.

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 On the home screen, tap **Game Launcher**.
- 2 Select the desired option.

Smart Doctor

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

On the home screen, tap **Essentials > Smart Doctor**.

LG Mobile Switch

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

- 1 On the home screen, tap **Essentials > LG Mobile Switch**.
You can also tap **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.

On the home screen, tap **Essentials > 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 On the home screen, tap **SmartWorld**.
- 2 Tap **> LG Account**, then sign in.
- 3 Select and download the desired content items.

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 On the home screen, tap **Essentials > 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.

On the home screen, 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.

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.

YT Music

A new music streaming service from YouTube.

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.

Assistant

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



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

Files

You can view and manage files saved on your device.



04

Settings

Settings

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

On the home screen, tap **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

Dual SIM card


You can configure Dual SIM settings.

- 1 On the settings screen, tap **Network & internet** > **Dual SIM Card**.
- 2 Customise the following functions:
 - **SIM card 1**: Change the name and icon of the SIM card 1.
 - **SIM card 2**: Change the name and icon of the SIM card 2.
 - **SIM card colour theme**: Change the colour themes for the SIM cards.
 - **Cost save mode**: Activate or deactivate the cost save mode. In the cost save mode, if you make a call to a contact to which a specific SIM is assigned, this SIM is used for the call even if the other SIM is active, for example, it is using mobile data.
 - **Mobile data**: Select a SIM card you want to use for mobile data service. You can also turn off this function.
 - **Data roaming**: Select this option to enable the device to use mobile data when you are roaming outside your home network area.
 - **Mobile data during calls**: Access mobile data using the nondefault data SIM card temporarily during an HD voice call with the same card.

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:
 - **Mobile data:** 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 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

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:
 - **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:
 - **WING:** 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.
 - **WING**: 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.

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.
- **System sounds:** Select each system sound to turn on or off.
- **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.
 - **Volume:** Adjust the sound volume for various items.
 - **Normalize volume:** Use the function to normalise the volumes of different sound sources.
 - **Equalizer:** Use the function to adjust the equaliser settings.
 - **LG 3D Sound Engine:** Use the function to play music or video in three-dimensional, immersive and vivid sound when earphones, speaker or other external audio devices are connected. See [LG 3D Sound Engine](#) for details.
- **Live Caption:** Set the device to detect the voice in the media and automatically generate subtitles.

- **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.

Notifications

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

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

Display


You can customise detailed settings for each screen type.

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

- **Swivel Home:** Customise settings for the Swivel Home mode.
- **Basic Home:** Customise settings for the Home screen. See *Home screen settings* for details.
- **Navigation bar:** Configure the Navigation bar. For details, see *Using Navigation bar*.
- **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)*.
- **Second Screen:** Set the brightness or screen colour of the second screen.
- **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 for the desired screen.



• Tap  to reset the settings.

- **Video Enhancer:** When playing back a video in full screen mode, you can change the settings for brighter and more dynamic colour display.
- **Font:** Change the font size, bold text or type.
- **Accent colour:** Change the accent colour for settings, menus, notification windows, etc.
- **Display size:** Set the items on the screen to a size easy for you to see. Some items may change position.
- **Full screen apps:** Select apps to open in full screen.
- **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.
- **Extra brightness:** Allows the display to be brighter than the maximum brightness.
- **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.

Wallpaper & theme

You can select wallpaper, screen theme, icon style or AOD (Always-on Display) for your device.

- 1 On the settings screen, tap **Wallpaper & theme**.
- 2 Tap **Wallpaper**, **Theme**, **Icon**, or **AOD** to customise the settings.

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.
 - **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.
 - **Content lock**: Allow you to set a lock type (password or pattern) for your 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.

- **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.
- **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.
 - **Device Personalisation Services:** Allows you to get a suggestion based on users, apps, and interactive content.

- **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 and 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.
 - **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.


Personalised service

You can get intelligent results when using the integrated search.

- 1 On the settings screen, tap **Extensions > Personalised service**.
- 2 Tap  to activate it.

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.
 - **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.

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.

App suggestion

You can quickly access apps that you may need at the moment on the Overview screen.

On the settings screen, tap **Extensions > App suggestion**.

Pen

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

- 1 On the settings screen, tap **Extensions > Pen**.
- 2 Customise the following settings:
 - **Pen key shortcuts**: Configure the shortcuts on each button on your Active pen.
 - **Pen Pop shortcut**: Select which apps (up to five) to display as a shortcut when the pen is removed from the device.
 - **Memo preview**: Turn on to display recent memos in Pen pop.
 - **Drawing sound**: Turn on to apply sound effects in drawing mode.
 - **Show pointer**: Turn on to see a pen pointer over where the pen hovers.

- **Ignore navigation bar gestures:** Block navigation bar gestures from being input, which is useful when drawing or writing on the edge of the screen with an Active pen.

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.
 - **Open Camera:** Press Power key twice to open Camera.
 - **Open Screen-off memo:** Press Volume Up key twice to open Screen-off memo when the screen is locked or off.
 - **Open Camera:** Press Volume Down key twice to open **Camera** when the screen is locked or off.



- 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**.

Apps

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**.
- 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.
 - **Optimised 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.

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.

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.
- **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, or when the USIM card is locked.
 - 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 > Live Caption**: Set the device to detect the voice from the media and automatically generate subtitles.
 - **Hearing > Caption preferences**: Turn on the subtitle service when playing videos for the hearing impaired.
 - **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.

- On the home screen, tap **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

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

- 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* 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.

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**.

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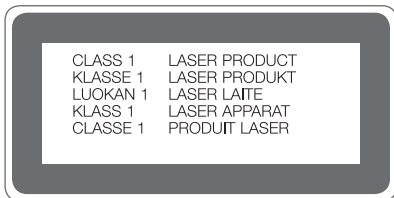
Laser safety statement

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.



Contact office for compliance of this product

LG Electronics European Shared Service Center B.V.
Krijgsman 1, 1186 DM Amstelveen, The Netherlands

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.

Aspect ratio

Some downloaded apps may not support specific aspect ratio.

In this case, select the most optimal screen ratio for the app or consult the app provider for more information.

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 → LG device	Third party Android device → LG device	iOS device → 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.

Disposal of your old appliance



1. This crossed-out wheeled bin symbol indicates that waste electrical and electronic products (WEEE) should be disposed of separately from the municipal waste stream.
2. Old electrical products can contain hazardous substances so correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health. Your old appliance may contain reusable parts that could be used to repair other products, and other valuable materials that can be recycled to conserve limited resources.
3. You can take your appliance either to the shop where you purchased the product, or contact your local government waste office for details of your nearest authorised WEEE collection point. For the most up to date information for your country please see www.lg.com/global/recycling

Disposal of waste batteries/accumulators



1. This symbol may be combined with chemical symbols for mercury (Hg), cadmium (Cd) or lead (Pb) if the battery contains more than 0.0005% of mercury, 0.002% of cadmium or 0.004% of lead.
2. All batteries/accumulators should be disposed separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old batteries/accumulators will help to prevent potential negative consequences for the environment, animal and human health.
4. For more detailed information about disposal of your old batteries/accumulators, please contact your city office, waste disposal service or the shop where you purchased the product.

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.

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 dialling.

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 Centre.

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.

