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# LG OLED TV

## OWNER'S MANUAL

Safety and Reference

Please read this manual carefully before operating your set and retain it for future reference.

The model and serial number of the product are located on the back and on one side of the product. Record them below in case you ever need service.

Model \_\_\_\_\_

Serial No. \_\_\_\_\_



\* M F L 0 5 8 1 4 2 0 3 2 5 1 2 R E V 0 0 \*

# Before reading this manual

- Read this manual thoroughly before operating your TV, and keep it for future reference.
- On the website you can download the manual including installation, use, troubleshooting, specifications, license etc and view its contents on your PC or mobile device.
- **User Guide** : For more information about this TV, read the USER GUIDE embedded in the product. (Depending on model)
  - ⚡ : This icon indicates that application may depend on model in Quick Setup Guide.

## Separate Purchase

- Separate purchase items can be changed or modified for quality improvement without any notification. Contact your dealer to buy these items. These devices only work with certain models.
  - The model name or design may be changed depending on the upgrade of product functions, manufacturer's circumstances or policies.
  - A cable to connect antennas and external devices must be purchased separately.
- ✓ **Note**
- Product specifications or contents of this manual may be changed without prior notice due to upgrade of product functions.
  - The items supplied with your product may vary depending on the model.
  - Image shown may differ from your TV.

## Warning! Safety instructions



**CAUTION** : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



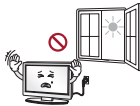
This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying this apparatus.

**WARNING** : TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

- TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OTHER ITEMS WITH OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.
- \* Near any heat source such as stoves and other devices that produce heat.

### Installation

- Do not place the device and/or remote control in the following environments:
  - \* An area exposed to direct sunlight.



- \* An area with high humidity such as a bathroom.



- \* Near kitchen counters or humidifiers where they can easily be exposed to steam or oil.



\* Near flammable objects such as gasoline or candles.



\* An area exposed to rain or wind.



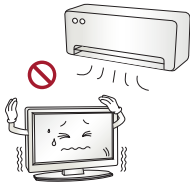
\* An area that may be exposed to water droplets or splashes.



\* Do not place items containing liquid—such as vases, cups, etc.—on top of the device or its main unit (e.g., the shelves above the unit).



\* An area that may be directly exposed to air conditioner airflow.



\* An area with excessive dust.



Otherwise, this may result in fire, electric shock, combustion/explosion, malfunction or product deformation.

## • Ventilation

- Install the device where there is proper ventilation.
- Do not install in a confined space such as a bookcase.



- Do not install the device on a carpet or cushion.



- Do not block or cover the device with cloth or other materials while unit is plugged in.



- Take care not to touch the ventilation openings. When watching the TV for a long period, the ventilation openings may become hot.
- Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the device.
- Do not move the TV while the Power cord is plugged in.
- Do not use a damaged or loosely fitting power cord.
- Be sure to grasp the plug when unplugging the power cord. Do not pull on the power cord to unplug the TV.
- Do not connect too many devices to the same AC power outlet as this could result in fire or electric shock.
- **Disconnecting the Device from the Main Power**
  - The power plug is the disconnecting device. In case of an emergency, the power plug must remain readily accessible.
- Do not let your children climb or cling onto the TV. Otherwise, the TV may fall over, which may cause serious injury.
- **Outdoor Antenna Grounding** (Can differ by country):
  - If an outdoor antenna is installed, follow the precautions below.
    - An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits as death or serious injury can occur.
- Never touch this apparatus or antenna during a lightning storm. You may be electrocuted.

- Make sure the power cord is connected securely to the TV and wall socket. If not secured, damage to the Plug and socket may occur and in extreme cases a fire may break out.
  - Do not insert metallic or inflammable objects into the product. If a foreign object is dropped into the product, unplug the power cord and contact the customer service.
  - Do not touch the end of the power cord while it is plugged in. You may be electrocuted.
  - **If any of the following occur, unplug the product immediately and contact your local customer service.**
    - The product has been damaged.
    - If water or another substance enters the product (like an AC adapter, power cord, or TV).
    - If you smell smoke or other odors coming from the TV.
    - When lightning storms or when unused for long periods of time.
- Even if the TV is turned off by remote control or button, AC power source is connected to the unit if still unplugged in.

• **Power Saving**

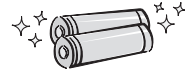
- Turn off the device after use, and unplug the power cord if it will not be used for a longer period of time (for Non-OLED devices only).



- In case of OLED devices, leave them in standby mode for the automatic pixel refresh to maintain optimal display performance.
- Do not use high voltage electrical equipment near the TV (e.g., a bug zapper). This may result in product malfunction.
- Do not attempt to modify this product in any way without written authorization from LG Electronics. Accidental fire or electric shock can occur. Contact your local customer service for service or repair. Unauthorized modification could void the user's authority to operate this product.
- Use only authorised attachments / accessories approved by LG Electronics. Otherwise, this may result in fire, electric shock, malfunction, or product damage.
- Never disassemble the AC adapter or power cord. This may result in fire or electric shock.
- Handle the adapter carefully to avoid dropping or striking it. An impact could damage the adapter.
- To reduce the risk of fire or electrical shock, do not touch the TV with wet hands. If the power cord prongs are wet or covered with dust, dry the power plug completely or wipe dust off.

• **Batteries**

- Store the accessories (battery, etc.) in a safe location out of the reach of children.
- Do not short circuit, disassemble, or allow the batteries to overheat. Do not dispose of batteries in a fire. Batteries should not be exposed to excessive heat.
- Caution: Risk of fire or explosion if the battery is replaced by an incorrect type.



• **Remote Control**

- Check the condition of the remote control batteries regularly to prevent corrosion of the contacts.

• **Moving**

- When moving, make sure the product is turned off, unplugged, and all cables have been removed. It may take 2 or more people to carry larger TVs. Do not press or put stress on the front panel of the TV. Otherwise, this may result in product damage, fire hazard or injury.
- Keep the packing anti-moisture material or vinyl packing out of the reach of children.
- Do not allow an impact shock or any objects to fall into the product, and do not drop anything onto the screen.
- Do not press strongly upon the panel with a hand or a sharp object such as a nail, pencil, or pen, or make a scratch on it. It may cause damage to screen.

• **Cleaning**

- When you clean the device, unplug the power cord and wipe gently with a soft/dry cloth.



- Do not spray water or other liquids directly on the device.
- Do not clean the device with chemicals such as glass cleaner, air freshener, insecticide, lubricants, wax (car, industrial), abrasive, thinner, benzene, alcohol, etc., which can damage the device and/or its panel. Otherwise, this may result in electric shock or device damage.



# Installation

## Lifting and moving the TV

Please note the following advice to prevent the TV from being scratched or damaged and for safe transportation regardless of its type and size.

- It is recommended to move the TV in the box or packing material that the TV originally came in.
- Before moving or lifting the TV, disconnect the power cord and all cables.
- When holding the TV, the screen should face away from you to avoid damage.
- Hold the side and bottom of the TV frame firmly. Make sure not to hold the transparent part, speaker, or speaker grill area.
- When transporting a large TV, there should be at least 2 people.
- When transporting the TV, do not expose the TV to jolts or excessive vibration.
- When transporting the TV, keep the TV upright, never turn the TV on its side or tilt towards the left or right.
- Do not apply excessive pressure to cause flexing / bending of frame chassis as it may damage screen.
- When handling the TV, be careful not to damage the protruding buttons.



- Avoid touching the screen at all times, as this may result in damage to the screen.
- When attaching the stand to the TV set, place the screen facing down on a cushioned table or flat surface to protect the screen from scratches.

## Mounting on the Table

- 1 Lift and tilt the TV into its upright position on a table.
  - Leave a 10 cm (minimum) space from the wall for proper ventilation. (Depending on model)
- 2 Connect the power cord to a wall outlet.



- Do not apply foreign substances (oils, lubricants, etc.) to the screw parts when assembling the product. (Doing so may damage the product.)
- Do not use any unapproved items to ensure the safety and product life span.
- Any damage or injuries caused by using unapproved items are not covered by the warranty.
- If you install the TV on a stand, you need to take actions to prevent the product from overturning. Otherwise, the product may fall over, which may cause injury.
- When assembling the stand, ensure that all of the provided screws are attached. If the screws are not fully tightened, the product may tilt or tip over, resulting in damage. Tightening the screws with excessive force may cause them to come off due to abrasion of the screw joint.
- When installing on a cabinet or a shelf using a stand, make sure its width is greater than that of the TV. (Depending on model)
- If the TV is placed on the stand, its screen may be tilted back slightly. If the stand is not level because an object is placed under the stand or it is not on a flat surface, the product may fall and cause injury or product damage. (Depending on model)
- If there is a problem with swivel angle adjustment, lift the product slightly and put it back down. (Depending on model)

## Securing TV to the Wall

- 1 Insert and tighten the eye-bolts, or TV brackets and bolts on the back of the TV.
  - If there are bolts inserted at the eye-bolts position, remove the bolts first.
- 2 Mount the wall brackets with the bolts to the wall. Match the location of the wall bracket and the eye-bolts on the rear of the TV.
- 3 Connect the eye-bolts and wall brackets tightly with a sturdy rope. Make sure to keep the rope horizontal with the flat surface.
  - Use a platform or cabinet that is strong and large enough to support the TV securely.
  - Brackets, bolts and ropes are not provided. You can obtain additional accessories from your local dealer.

## Stand (Separate Purchase)

This model has a built-in slim wall mount bracket. If you want to install a stand, you can purchase it separately through LG TV sales store and LG online brand shop. (Wall mount included model only)

(Depending on model)

Stand	Model
SA-G55N55	OLED55G6*
SA-G55N65	OLED65G6*
ST-G4WR8377	OLED77/83G6*
SQ-G2DT97	OLED97G6*

## Mounting to the Wall

Attach an optional wall mount bracket at the rear of the TV carefully and install the wall mount bracket on a solid wall perpendicular to the floor. When you attach the TV to other building materials, please contact qualified personnel. LG recommends that wall mounting be performed by a qualified professional installer. We recommend the use of LG's wall mount bracket. LG's wall mount bracket is easy to move with cables connected. When you do not use LG's wall mount bracket, please use a wall mount bracket where the device is adequately secured to the wall with enough space to allow connectivity to external devices. It is advised to connect all the cables before installing fixed wall mounts.



- Ask a professional installer appointed by the store for installation of the product.  
Installation by someone other than a professional installer is extremely dangerous and may result in personal injury.
- Do not install the product in an unstable site that cannot withstand its weight.  
If the installation site lacks sufficient rigidity, the product may fall and cause personal injury.
- Remove the stand before installing the TV on a wall mount by performing the stand attachment in reverse.
- For more information of screws and wall mount bracket, refer to manual included in the separately purchased wall mount.
- If you intend to mount the product to a wall, attach VESA standard mounting interface (optional parts) to the back of the product. When you install the set to use the wall mounting bracket (optional parts), fix it carefully so as not to drop.
- When mounting a TV on the wall, make sure not to install the TV by hanging the power and signal cables on the back of the TV.
- Do not install this product on a wall if it could be exposed to oil or oil mist. This may damage the product and cause it to fall.
- When installing the Full Contact Wall Mount, the TV may not be contacted firmly against the wall due to some wall conditions.

## Precautions for Safety

(Wall mount included model only)



- Do not hang on the product or subject it to severe impact after installation.  
Doing so may cause the product to fall and cause personal injury.
- When installing the product on a wall, do not hang the power line or signal cables from the back of the TV.  
This can damage the cords, resulting in a fire, electrical shock or malfunction of the product.
- Be sure to wear work gloves when installing the product.
  - Installing with unprotected hands may result in injury.
- Be sure to have at least two people when installing the product or adjusting the product's height.  
Attempting to perform installation or adjustments personally may result in personal injury or damage to the product.
- Make sure a wall is available prior to proceeding with installation. Make use of the anchors and screws provided with the product.  
Use of any unauthorized anchors or screws may not support the product's weight, which poses safety risks.

## Before Installation

(Wall mount included model only)

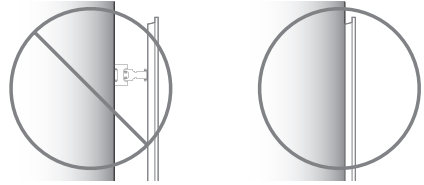
- Installation of this product on a concrete wall or wood stud is recommended. Installation of this product on other surfaces (Dry wall, plywood, bricks, etc.) is not recommended. Improper installation may result in the product falling.
- Install the product only on a vertical wall.  
Do not install on a tilted wall that exceeds building standards or on the heavily tilted wall or ceiling.  
LG is not responsible for problems caused by improper installation of the product, e.g., heavily tilted walls and ceilings.
- Check the enclosed accessories before installation. We are not responsible for any lost or damaged accessories after the inner packaging is opened.
- When an infant or small child swallows the enclosed accessories, various safety accidents such as choking may occur. Keep the enclosed accessories out of the reach of infants and children.
- When tightening screws, tighten until fully snug.  
Avoid using excessive force when tightening the screws. Doing so may damage the wall and product or reduce the rigidity or performance of the product.
- Avoid installing a TV that exceeds the specified tensile load, and do not allow any external force to be applied to the product.
- Avoid accidents by using work tools with care during installation.

## Tools for Installation

- “+” shaped screwdriver (manual or electric) / level / drill / Ø 8 mm drill bit for concrete or Ø 4 mm drill bit for steel

## Securing TV to the Wall

(Wall mount included model only)



- Please use the TV close to the wall after installation.

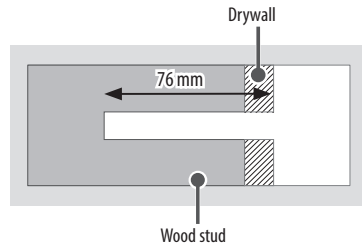
## How to fix anchors and screws

(Wall mount included model only)

Please make sure that:

- Should use the enclosed anchors and screws on crack-free concrete walls.
- The wall mount should be attached to a stud. This usually will not be a problem, but depending on individual circumstances, there may be cases when the ability to mount into a stud is not possible. In this case, there are a variety of drywall anchors, such as toggle bolts, which may provide a solution. If using drywall anchors, please be sure the anchors and the wall have the ability to support the weight of your TV. Please note that the supplied anchors may not be the correct ones for your individual situation, so you should check with a local professional.
- Other unspecified walls must be capable of supporting pullout loads of over 70 kgf (686 N) and shear loads of over 100 kgf (980 N) per fastener.
- Use an Ø 8 mm drill bit for concrete and a hammer (impact) drill or Ø 4 mm drill bit for wood stud to drill holes.

## For installation on wood stud



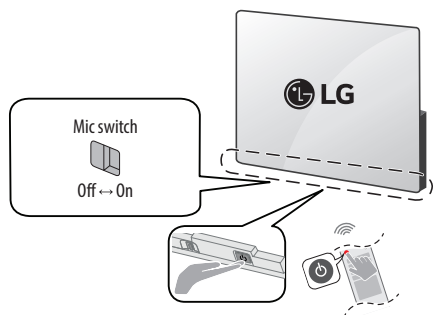
Use the Ø 4 mm drill bit for wood to drill holes with the depth of 76 mm.  
(Clean the drilled hole.)

Without using the wall mounting anchor, fasten the wall mounting screw directly to the wood stud.

# Starting TV

## Turning on the TV

You can simply operate the TV functions, using the button. (Depending on model)



<A type>



Power On (Press)  
Power Off<sup>1)</sup> (Press and Hold)  
Menu Control (Press<sup>2)</sup>)  
Menu Selection (Press and Hold<sup>3)</sup>)

- 1) All running apps will close, and any recording in progress will stop. (Depending on country)
- 2) You can access and adjust the menu by pressing the button when TV is on.
- 3) You can use the function when you access menu control.

<B type>



Power On (Press)  
Power Off<sup>1)</sup> (Press and hold)



Volume Control



Programmes Control

- 1) All running apps will close, and any recording in progress will stop. (Depending on country)

### ✔ Note

- If the TV is turned on for the first time after it was shipped from the factory, initialization of the TV may take a few minutes.
- Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.
- You can turn the TV-embedded microphone on and off by controlling the microphone switch at the bottom of the TV.
- For models with motion sensors if you set screen on with the motion sensor, the TV will turn on by recognising the motion. (Depending on model)

# Connections

Connect various external devices to the TV and switch input modes to select an external device. For more information of external device's connection, refer to the manual provided with each device.

## Antenna/Cable

Connect the TV to a wall antenna socket with an RF cable (75 Ω).

- Use a signal splitter to use more than 2 TVs.
- If the image quality is poor, install a signal amplifier properly to improve the image quality.
- If the image quality is poor with an antenna connected, try to realign the antenna in the correct direction.
- An antenna cable and converter are not supplied.
- For a location that is not supported with Ultra HD broadcasting, this TV cannot receive Ultra HD broadcasts directly.
- Use the AV cover for aesthetic purposes. Connecting too many cables may cause lifting problems. In such a case, remove the AV cover before use. (Depending on model)

## Satellite dish

Connect the TV to a satellite dish to a satellite socket with a satellite RF cable (75 Ω). (Depending on model)

## HDMI

- When connecting the HDMI cable, the product and external devices should be turned off and unplugged.

### ✔ Note

- If the device connected to Input Port also supports HDMI Deep Colour, your picture may be clearer. However, if the device doesn't support it, it may not work properly. In that case, change the TV's [HDMI Deep Colour] setting to off.
- Use a certified cable with the HDMI logo attached.
- If you do not use a certified HDMI cable, the screen may not display or a connection error may occur.
- Recommended HDMI Cable Types
  - Ultra High Speed HDMI®/™ cable (3 m or less)

## USB

Some USB Hubs may not work. If a USB device connected using a USB Hub is not detected, connect it to the USB port on the TV directly.

### ✔ Note

- For an optimal connection, HDMI cables and USB devices should have bezels less than 10 mm thick and 18 mm width. Use an extension cable that supports USB 2.0 if the USB cable or USB memory stick does not fit into your TV's USB port. (Depending on model)

## IR Blaster

Control the set-top box (cable/satellite/IP/OTT), Blu-ray/DVD player, soundbar, game consoles, etc., using the IR Blaster. (Depending on country)

### ✔ Note

- Connect the IR Blaster cable to the TV's IR Blaster port.
- Use universal control settings to control the device.
- Secure the IR Blaster with the 3M tape provided.

## External Devices

Available external devices are: Blu-ray player, HD receivers, DVD players, VCRs, audio systems, USB storage devices, PC, gaming devices, and other external devices.

### ✔ Note

- The external device connection may differ from the model.
- In PC mode, there may be noise associated with the resolution, vertical pattern, contrast or brightness. If noise is present, change the PC output to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the [Picture] menu until the picture is clear.
- In PC mode, some resolution settings may not work properly depending on the graphics card.
- If Ultra HD content is played on your PC, video or audio may become disrupted intermittently depending on your PC's performance. (Depending on model)

# Specifications

<b>Power requirement</b>	OLED B6* OLED C6* OLED CS6* OLED48/55/65/77/83G6*	AC 100-240 V~ 50/60 Hz
	OLED97G6*	AC 200-240 V~ 50/60 Hz

(Depending on country)

<b>Broadcasting Specifications</b>	
Television system	Terrestrial / Cable / Satellites Digital TV
External antenna impedance	75 Ω

- Certain 8K input/decoding standards may not be supported. An additional device may be necessary to support certain 8K standards. Upscaled and enhanced 8K images will vary depending on the source content. (Depending on model)

<b>Environment Condition</b>			
Operating Temperature	0 °C to 40 °C	Storage Temperature	-20 °C to 60 °C
Operating Humidity	Less than 80 %	Storage Humidity	Less than 85 %

<b>Conditions for Wall Mount Installation</b>	
Tilt Angle	0° - 15°

\* This specification applies only to products with an adjustable wall mount angle.

- For information of the power supply and power consumption, refer to the label attached to the product.
  - The typical power consumption is measured in accordance with IEC 62087 or each country's energy regulations.
    - \* On some models, the label is inside the external device connection terminal cover.
    - \* Depending on the model or country, the typical power consumption may not be on label.

## Product Information

### Open Source Software Notice Information

To obtain the source code that is contained in this product, under GPL, LGPL, MPL, and other open source licenses that have the obligation to disclose source code, and to access all referred license terms, copyright notices, please visit <https://opensource.lge.com>.

LG Electronics will also provide open source code to you for a charge covering the cost of performing such distribution upon email request to [opensource@lge.com](mailto:opensource@lge.com).

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

### Licenses

**HDMI**<sup>TM</sup>

HIGH-DEFINITION MULTIMEDIA INTERFACE

**QUICK SET**<sup>®</sup>

(Magic Motion Remote Control supported models only)

**HE**  
**VC** **Advance**<sup>TM</sup>

Covered by patents at [patentlist.accessadvance.com](http://patentlist.accessadvance.com)

# Troubleshooting

In TV / HDMI input, press the  button on the remote control three times to display the model name and serial number on the screen.

<b>Cannot control the TV with the remote control.</b>	<ul style="list-style-type: none"><li>• Check the remote control sensor on the product and try again.</li><li>• Check if there is any obstacle between the product and the remote control.</li><li>• Check if the batteries are still working and properly installed (⊕ to ⊕, ⊖ to ⊖).</li></ul>
<b>No image display and no sound is produced.</b>	<ul style="list-style-type: none"><li>• Check if the product is turned on.</li><li>• Check if the power cord is connected to a wall outlet.</li><li>• Check if there is a problem in the wall outlet by connecting other products.</li></ul>
<b>The TV turns off suddenly.</b>	<ul style="list-style-type: none"><li>• Check the power control settings. The power supply may be interrupted.</li><li>• Check if the auto-off function is activated on the settings related time.</li><li>• The auto-off function may have worked. This product is equipped with an auto-off function that automatically turns off the power if the remote control is not used for 15 minutes without an input signal.</li></ul>
<b>When connecting to the PC (HDMI), no signal is detected.</b>	<ul style="list-style-type: none"><li>• Turn the TV off/on using the remote control.</li><li>• Reconnect the HDMI cable.</li><li>• Restart the PC with the TV on.</li></ul>
<b>Abnormal Display</b>	<ul style="list-style-type: none"><li>• If the product feels cold to the touch, there may be a small “flicker” when it is turned on. This is normal, there is nothing wrong with product.</li><li>• This panel is an advanced product that contains millions of pixels. You may see tiny black dots and/or brightly coloured dots (white, red, blue or green) at a size of 1 ppm on the panel. This does not indicate a malfunction and does not affect the performance and reliability of the product. This phenomenon also occurs in third-party products and is not subject to exchange or refund.</li><li>• You may find different brightness and colour of the panel depending on your viewing position (left/right/top/down). This phenomenon occurs due to the characteristic of the panel. It is not related to the product performance, and it is not malfunction.</li><li>• Avoid touching the screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary distortion effects on the screen.</li></ul>
<b>Generated Sound</b> (Depending on model)	<ul style="list-style-type: none"><li>• <b>“Cracking” noise:</b> A cracking noise that occurs when watching or turning off the TV is generated by plastic thermal contraction due to temperature and humidity. This noise is common for products where thermal deformation is required.</li><li>• <b>Electrical circuit humming/panel buzzing:</b> A low level noise is generated from a high-speed switching circuit, which supplies a large amount of current to operate a product. It varies depending on the product. This generated sound does not affect the performance and reliability of the product.</li></ul>

**The TV does not turn on continuously due to Always Ready mode operation or does not automatically turn on by sensor.**

(Depending on model)

- The motion sensor is located on the bottom centre of the TV.
- The motion sensor is only supported by some models.
- If there is a foreign substance on the motion sensor, it may not work properly.
- If the environment around the TV is too bright or too dark, the motion sensor may not work properly.
- Obstacles in front of the TV may affect the detection function of the motion sensor.
- It can operate by recognising changes in lighting around the TV or movement of objects (pets/robot vacuum cleaners, etc.).



- Make sure to wring any excess water or cleaner from the cloth.
- Do not spray water or cleaner directly onto the TV screen.
- Make sure to spray just enough of water or cleaner onto a dry cloth to wipe the screen.

# Precautions for Protecting the OLED TV Screen

Unlike regular LED/LCDs, OLED TVs produce images that emit light for each pixel, achieving a perfect black colour and delivering clear images without blurring.

Due to the nature of the organic materials used to achieve high-resolution image quality, OLED displays generally experience image retention on the screen, which can be a persistent phenomenon. This phenomenon is observed in all OLED panels, and although recommended picture modes can minimise image retention, current technology cannot completely prevent this from occurring.

Displaying the same image for a long time or repeatedly displaying the same image can cause image retention on the screen, which is a common phenomenon in OLED panel products due to the nature of the product. This product has a built-in screen protection feature. Avoid displaying images that are likely to cause image retention, and follow the recommendations.

## Images that are likely to cause image retention

- Images with black areas on the top and bottom and/or the left and right sides of the screen.
- Images whose aspect ratio is 4:3 or 21:9.
- Images that are fixed for a long time, such as program number, station logo, game console icon, set-top box menu, etc.
- Other fixed screen images or repeatedly displayed images.

## Running [Pixel Cleaning] to Protect the OLED TV Screen

The OLED TV is equipped with a pixel cleaning feature to check the status of the screen by itself and prevent image retention that leaves an image on a screen. This feature automatically calculates the optimal execution time based on the accumulated viewing time and is automatically executed when the TV is turned off. While this feature is running, horizontal lines may appear at the top and bottom of the screen. The pixel cleaning feature works when the product is connected to the power cord and main power.

## Recommendations for Minimising Image Retention













Turn off the menus for setting up devices such as set-top boxes so that they are not displayed on the screen for a long time.

### ✔ Note

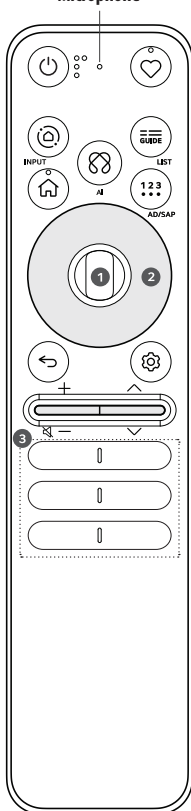
- When the screen is showing one fixed image for a long time, the screen brightness will be automatically reduced and then restored once the screen content changes. This is a normal function to minimise image retention.

# Using Magic Motion Remote Control









## Short press Basic Guide

	<b>Power:</b> Turns the TV On or Off.
	Select <b>Custom Menu / Accessibility</b> .
	Displays the <b>Home Hub</b> .
	Accesses the <b>TV Guide</b> .
	Check for recommended content. (Some recommended services may not be available in some countries.)
	Displays the <b>Home Menu</b> .
	Displays more remote control functions.
	<b>Press</b> to select menu and operate device. (play/pause, etc.) <b>Scroll up and down</b> Scrolls the screen or change programmes.
	<b>Up, Down, Left, Right</b> Navigation buttons.
	Move to the <b>Previous Step</b> .
	Displays the <b>Quick Settings Menu</b> .
	Various content service buttons.

Microphone



## Long press Extension Guide

	Accesses the <b>Accessibility Shortcuts</b> .
	Changes the <b>Input Source</b> .
	Accesses the saved <b>Programmes List</b> .
	Speak to the remote control while pressing and holding the button to use the <b>Voice Recognition</b> feature.
	To enable the <b>Screen Zoom</b> .
	To enable <b>Voice Guidance</b> for screen content or to set up multi-audio options.
	The screen displayed on the TV is closed and the <b>Home Menu</b> appears.
	Displays the <b>All Settings Menu</b> .

 Push up and down to **Adjust the Volume**.

 Push down long press to **Mute**.

 Push up and down to **Change Programmes**.

### Note

- The terms in this manual are used in general terms to help users understand and may not match the terms displayed on the screen.

## Short press

### Basic Guide



**Power:** Turns the TV on or off.



Accesses the **TV Guide**.



Displays more remote control functions.



**Mutes** all sounds.



Displays the **Home Menu**.



Check for recommended content. (Some recommended services may not be available in some countries.)



Displays the **Home Hub**.

1



**Press** to select menu and operate device. (play/pause, etc.)

**Scroll up and down** Scrolls the screen or change programmes.

2



**Up, Down, Left, Right** Navigation buttons.



Move to the **Previous Step**.



Displays the **Quick Settings Menu**.

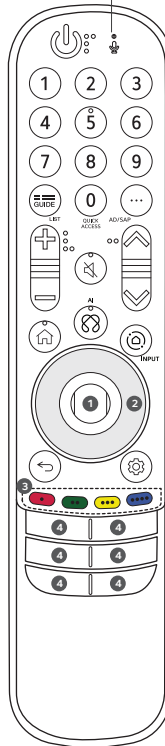
3

These access special functions in some menus.

4

Various content service buttons.

Microphone



## Long press

### Extension Guide



Accesses the saved **Programmes List**.



Accesses the **Edit Quick Access**.



Accesses the **Quick Help**.



To enable **Voice Guidance** for screen content or to set up multi-audio options.



Accesses the **Accessibility Shortcuts**.



To enable the **Screen Zoom**.



Speak to the remote control while pressing and holding the button to use the **Voice Recognition** feature.



Changes the **Input Source**.



The screen displayed on the TV is closed and the **Home Menu** appears.



Displays the **All Settings Menu**.



Runs the record function.

+ / - Adjusts the **Volume Level**.

^ / v **Change the Programmes.**


#### ✔ Note

- The terms in this manual are used in general terms to help users understand and may not match the displayed term icons on the screen.



The descriptions in this manual are based on the buttons on the remote control. Please read this manual carefully and use the TV correctly. (Some buttons and services may not be provided depending on models or regions.)

## How to register the Magic Motion Remote Control

To use the Magic Motion Remote Control, first pair it with your TV.

- 1 Put batteries into the Magic Motion Remote Control and turn the TV on.
  - 2 Point the Magic Motion Remote Control at your TV and press the  **Wheel (OK)** on the remote control.
- \* If the TV fails to register the Magic Motion Remote Control, try again after turning the TV off and back on.

## How to deregister the Magic Motion Remote Control

Press the  **(Back)** and  **(Home)** buttons at the same time, for five seconds, to unpair the Magic Motion Remote Control with your TV.

- \* Press and hold the  **(Home)** and  **(Q. Settings)** buttons for more than 5 seconds to disconnect and re-register the Magic Motion Remote Control at the same time.









- It is recommended that an Access Point (AP) be located more than 0.2 m away from the TV. If the AP is installed closer than 0.2 m, the Magic Motion Remote Control may not perform as expected due to frequency interference.

## Using Always Ready

(Depending on model)

You can operate the TV and connect to Bluetooth with direct voice recognition while the power is off.

- \* Pressing the  **(Power)** button while watching TV switches the screen to [Always Ready] that is turned on, and pressing the  **(Power)** button once more turns the screen to [Always Ready] that is turned off.
- \* Press the  **(Home)** button or the  **(Back)** button to watch TV when the screen is in [Always Ready] that is turned on.
- \* Press the  **Wheel (OK)** button to display the wallpaper when the screen is in [Always Ready] that is turned off, and press the  **(Power)** button to watch TV.

### Note

- Using Always Ready may increase energy consumption.