ENGLISH

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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. _____

MFL71825802230 1REV03

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, using, 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)
  - To open the USER GUIDE ⚙ → ⋮ → [Support] → [User 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
RISK OF ELECTRIC SHOCK DO NOT OPEN



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 the appliance.

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.
- **Do not place the TV and/or remote control in the following environments:**
  - Keep the product away from direct sunlight.
  - An area with high humidity such as a bathroom.
  - Near any heat source such as stoves and other devices that produce heat.
  - Near kitchen counters or humidifiers where they can easily be exposed to steam or oil.
  - An area exposed to rain or wind.
  - Do not expose to dripping or splashing and do not place objects filled with liquids, such as vases, cups, etc. on or over the apparatus (e.g., on shelves above the unit).
  - Near flammable objects such as gasoline or candles, or expose the TV to direct air conditioning.
  - Do not install in excessively dusty places.

  Otherwise, this may result in fire, electric shock, combustion/explosion, malfunction or product deformation.
- **Ventilation**
  - Install your TV where there is proper ventilation. Do not install in a confined space such as a bookcase.
  - Do not install the product on a carpet or cushion.
  - Do not block or cover the product 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 whilst 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.
- Do not sit on or place objects under the cotton cover. Doing so may cause product damage.
- **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 the TV is turned off by remote control or button, AC power source is connected to the unit if not unplugged in.
- The TV should not be placed on tall furniture such as cupboards or bookcases.
- Always use the installation method recommended by the TV manufacturer.
- Always install the TV on a floor or wall that can safely support it.
- If the front cover of the TV moves, be careful as it may cause injury due to jamming.
- Always avoid touching the cover when it is moving, and ensure that there are no people or objects around that could get jammed.
- 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 an authorized 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.
- **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, 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 cleaning, unplug the power cord and wipe gently with a soft/dry cloth. Do not spray water or other liquids directly on the TV. Do not clean your TV with chemicals including glass cleaner, any type of air freshener, insecticide, lubricants, wax (car, industrial), abrasive, thinner, benzene, alcohol etc., which can damage the product and/or its panel. Otherwise, this may result in electric shock or product damage.

- If foreign substances come into contact with the fabric on the front side of the product, wipe them off immediately with a clean wet tissue or cloth. If not cleaned immediately, it may leave a stain.
- Due to the nature of the fabric, stains may remain, depending on the type of foreign substance.
- Take care as pets or sharp objects may damage the fabric part.

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 top and bottom of the TV frame firmly. Make sure not to hold the transparent part, speaker, or speaker grill area.
- Support the sides of the TV frame, and hold the back centre frame firmly. Make sure not to hold the front cover.
- 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.

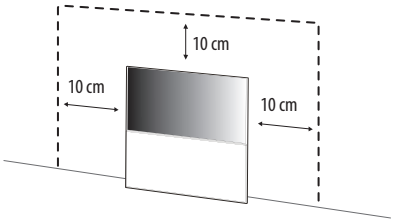
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- Avoid touching the screen at all times, as this may result in damage to the screen.
- When attaching the wall mounting bracket to the TV set, place the screen facing down on a cushioned table or flat surface to protect the screen from scratches.

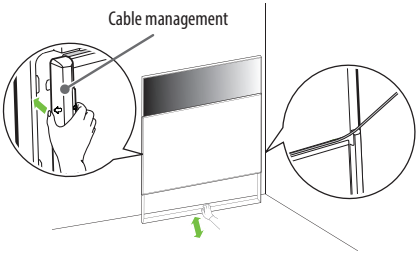
Mounting by fixing to the wall

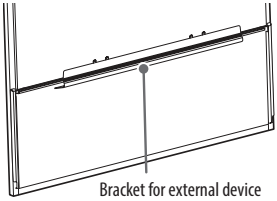
The TV can be mounted horizontally on the wall, as shown in the figure.

- To install the bracket, make sure the wall is made of material that can withstand the weight of the TV, such as concrete, natural rock, or masonry bricks.
- When installing the TV on other building materials, consult a professional installer before installing.
- When installing the wall fixing bracket, the TV may not be in close contact with the wall, depending on the condition of the wall.
- For cables at the bottom of the set, cable management can be used to organise the cables on both sides, as shown in the example figure.
- For smooth connection with external devices, connect the cable at the rear before fixing the TV to the wall before installing.
- When connecting additional cables, it is recommended to hold the lower centre part of the TV and pull it, and then secure enough distance from the wall before connecting.
- When connecting using a bracket for external devices, it is recommended to connect the TV after lowering it from the part where the wall is fixed.
- Leave sufficient space around the product so that the ventilation vents of the TV are not blocked.



For example)

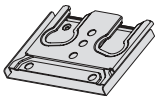
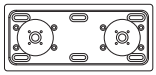
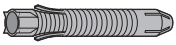




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- When moving and installing the product, refer to the wall mounting bracket installation dimensions in the assembly manual.
- When packing and moving the product, remove the front cover before packing it.
- Since the centre of gravity of the product is at the top, pack the product after turning it upside down so that the centre of gravity is at the bottom, and then move it.
- The product can be disassembled by proceeding in the reverse order of assembly. Please refer to the enclosed assembly manual for details.

Provided item

 Wall mounting bracket	 Wall fixing bracket
 Wall fixing bracket fixing screw Ø 5 x L 65 6 ea	 Wall fixing bracket fixing anchor 6 ea
 Wall mounting bracket fixing screw Ø 8 x L 15 4 ea	

Tools for Installation

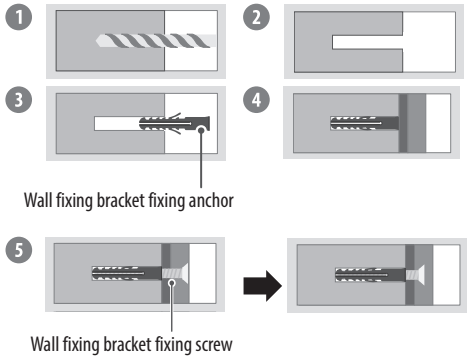
- "+" shaped screwdriver (manual or electric) / level / drill / Ø 8 mm drill bit.

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- It is safe to install the product according to the installation method to prevent the damage to the product or personal injury even if the product is pulled forward.
- When installing, be sure to check the type of wall first, and use the included anchors and screws if it is an installable wall.
  - If unspecified anchors and screws are used, they may not support the weight of the product and may cause safety problems.
- When drilling holes into the wall, make sure you use a drill and drill bit with the specified diameter. Ensure that you also follow the instructions regarding the depth of the holes.
  - Otherwise, the product may be installed incorrectly and cause safety issues.
- Be sure to wear work gloves when installing the product.
  - Installing with unprotected hands may result in injury.
- After mounting on the wall, make sure the bottom of the product touches the floor before use.
  - If the product is used without touching the floor, it may cause product damage or vibration.
- Since the TV is heavy, lift it with at least two people when unpacking or moving it.
  Do not lay the product down flat; instead, move it in an upright position. The TV may fall and cause damage or injury.
- Do not move it by holding the cable management and the cable management band.
  - The cable management and the cable management band may be damaged, and the TV may be damaged or an accident may occur. (Depending on model.)

- 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.
- As this is a product for wall-mounted installation only, be sure to install the product on a wall before use.
  - If you use it without a wall mount, the product may tip over and cause injury.

How to fasten anchors and screws

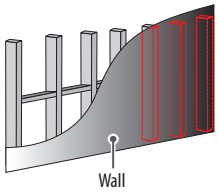


1 Drill holes in anchor locations with a drill bit of Ø 8 mm to a depth of 80 mm to 100 mm.
2 Clean the drilled holes.
3 Insert the enclosed wall fixing bracket fixing anchor into the hole.(Use a hammer when inserting anchors.)
4 Attach the wall fixing bracket close to the wall, according to the hole position. At this time, make sure that the "TOP" mark faces upwards.
5 Fit the wall fixing bracket to the hole. At this time, tighten the screws to a torque of between 45 kgf/cm to 60 kgf/cm.

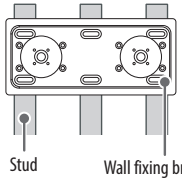
- Check the material of the wall and the thickness of the finishing.
- Use the Wall mount anchor for wall material of concrete, light concrete, strong natural stone, soft natural stone masonry brick and hallow block that do not crack.

Wall Material	Tools	Wall Width
Concrete	Wall fixing bracket fixing screw, wall fixing bracket fixing anchor, drill bit (Ø 3 / 6 / 8)	70 mm
Brick		
Natural stone		
Metal Panel		
Plywood	Wall mounting bracket fixing screw, drill bit (Ø 1.8)	30 mm
EPS Panel		Penetrate the wall
Plasterboard + Plywood		30 mm

- When installing on a gypsum board or medium-density fiberboard (MDF) wall, fasten the screws to the studs that support the wall. If there are no studs, check the distance from the inner wall before installing.
  - 30 mm or below: Install directly on the inner wall using a 65 mm screw.
  - 30 mm or above: Install using a separate hanger.



- When installing the wall mount, check the positions of the wooden studs using a stud finder. Then, fasten the screws on at least two separate studs before proceeding.



- When installing on other unspecified walls, install it so that it can withstand a pull-out load of 70 kgf (686 N) and a shear load of 100 kgf (980 N) or more per fixed part.
- Use the Ø 8 mm drill bit for concrete and hammer (Impact) drill.

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.

Satellite dish

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

Starting TV

Turning on the TV

You can simply operate the TV functions, using the button.



Power On (Press)
Power Off[1] (Press and Hold)
Menu Control (Press[2])
Menu Selection (Press and Hold[3])

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.

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.
- The device must be easily accessed to a location outlet near the access. Some devices are not made by turning on / off button, turning off the device and unplugging the power cord.

Using Line View Mode

- You can check the time and weather information or play music without watching TV.
- You can switch to Full View mode or Line View mode by pressing the button on the remote control.
- In Line View mode, press the button to switch to Full View mode.
- To completely shut down the TV, press the button on the remote control or press and hold the power button on the back of the product.

Setting the Motion Sensor Time

- The motion sensor works only in Line View mode.
- If no motion is detected around the TV for a set period of time, the screen will turn off automatically.
  - If no motion is detected for more than a set period of time, the screen will turn off.
  - To set the power-off time, press the button on the remote control, and then select the set time in → [General] → [System] → [Additional Settings] → [Screen Off].
  - If motion is detected even after the screen is turned off, the screen will turn on.
  - If no motion is detected for more than four hours, the TV will turn off automatically. After that, even if motion is detected, it will not turn on automatically.

Setting the Motion Sensor Sensitivity

Sets the sensitivity of the motion sensor function.

- Press the button on the remote control and refer to → [General] → [System] → [Additional Settings] → [Motion Sensor Sensitivity].

Note

- The motion sensor is located at the bottom of the TV screen. Do not cover the front of the sensor with objects, etc. Doing so may affect the motion sensor.
- Sensor performance may vary depending on the TV installation and operating environment.
  - Screen brightness and colour tone may be affected by the colour of the floor on which the TV is placed.
  - In a special light source environment other than standard light sources (Halogen, Fluorescent), there may be deviations in sensor recognition, depending on the location, type, and number of light sources.
  - If the surroundings of the TV are too dark or too bright, the screen brightness may be limited or the sensor may not operate properly.
  - The sensor can detect motion by blinking LEDs, pet dogs, or cars moving outside the window.
- After pressing the button on the remote control, follow → [General] → [System] → [Additional Settings] → [Screen Off] to turn off the screen and power if there is no user motion in Line View mode.

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.

HDMI

- When connecting the HDMI cable, the product and external devices should be turned off and unplugged.
- Supported HDMI Audio format (Depending on model):
  True HD (48 kHz),
  Dolby Digital / Dolby Digital Plus (32 kHz, 44.1 kHz, 48 kHz),
  PCM (32 kHz, 44.1 kHz, 48 kHz, 96 kHz, 192 kHz)

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.
- ⚙ → ⋮ → [General] → [Devices] → [HDMI Settings] → [HDMI Deep Colour]
- 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.

IR Blaster

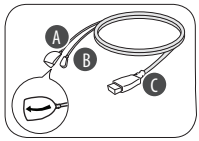
Control the set-top box (cable/satellite/IP/OTT), Blu-ray/DVD player, soundbar, game consoles, etc., using the IR Blaster. (Depending on country)

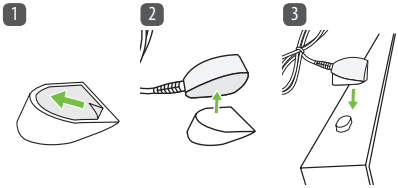
Note

- 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.

IR Repeater

If the set-top box is mounted on the rear bracket, the remote control receiver of the set-top box may be blocked, making it difficult to receive the set-top box remote control. (If this remote control operation problem continues, you can use an IR repeater extender (remote control signal extension cable) to solve the problem.)





Note

- A Receiver: The upper-left corner of the set or a place where remote control reception can be easily received.
  Attach with ⬅ facing forwards.
- B Transmitter: Set-top box receiver.
- C Power Connection: TV or set-top box USB port.

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)
- When connecting to a wired LAN, use a CAT 7 cable with high-speed Internet transmission. (Only when **LAN** port is provided.)

Specifications

(Depending on country)

Broadcasting Specifications				
	Digital TV			Analogue TV
Television system	DVB-T/T2, DVB-C, DVB-S/S2			PAL B/B, PAL B/G, PAL D/K, PAL-I, SECAM B/G, SECAM D/K, NTSC-M
Programme coverage	DVB-S/S2	DVB-C	DVB-T/T2	46 ~ 862 MHz
	950 ~ 2,150 MHz	46 ~ 890 MHz	VHF III : 174 ~ 230 MHz UHF IV : 470 ~ 606 MHz UHF V : 606 ~ 862 MHz S Band II : 230 ~ 300 MHz S Band III : 300 ~ 470 MHz	
Maximum number of storable programmes	6,000		3,000	
External antenna impedance	75 Ω			
CI Module (W x H x D)	100.0 mm x 55.0 mm x 5.0 mm			

Environment condition	
Operating Temperature	0 °C to 40 °C
Operating Humidity	Less than 80 %
Storage Temperature	-20 °C to 60 °C
Storage Humidity	Less than 85 %

- 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

Wireless module (LGSBWAC95) Specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency range	Output Power (Max.)
2,400 to 2,483.5 MHz	19 dBm
5,150 to 5,725 MHz	18 dBm
5,725 to 5,850 MHz	13.5 dBm
Bluetooth	
Frequency range	Output Power (Max.)
2,400 to 2,483.5 MHz	9 dBm

As band channels can vary per country, the user cannot change or adjust the operating frequency. This product is configured for the regional frequency table.

For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm between the device and the body.

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 and other relevant documents please visit *https://opensource.lge.com*.

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

Licenses

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

QuickSet®
(Magic Remote supported models only)

HEVC Advance™
Covered by patents at patentlist.accessadvance.com

Troubleshooting

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

Cannot control the TV with the remote control.	• Check the remote control sensor on the product and try again. • Check if there is any obstacle between the product and the remote control. • Check if the batteries are still working and properly installed (⊕ to ⊕, ⊖ to ⊖).
No image display and no sound is produced.	• Check if the product is turned on. • Check if the power cord is connected to a wall outlet. • Check if there is a problem in the wall outlet by connecting other products.
The TV turns off suddenly.	• Check the power control settings. The power supply may be interrupted. • Check if the auto-off function is activated on the settings related time. • If there is no signal while the TV is on, the TV will turn off automatically after 15 minutes of inactivity.

When connecting to the PC (HDMI), no signal is detected.	• Turn the TV off/on using the remote control. • Reconnect the HDMI cable. • Restart the PC with the TV on.
Abnormal Display	• 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. • 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. • 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 with the product performance, and it is not malfunction.
Generated Sound	• "Cracking" noise: 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. • Electrical circuit humming/panel buzzing: 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.
The TV stays on or does not turn on automatically in Line View.	• The motion sensor is located on the lower centre of the TV. If there is any foreign substance on the outside of the sensor, the sensor may not work. • If the brightness of the TV viewing environment is too bright or too dark, the motion sensor may not operate properly. • If there are obstacles in front of the TV, the performance of the motion sensor may be affected. • It can operate by recognising the unintended lighting environment around the TV or the movement of objects (LEDs/pet dogs/robot vacuum cleaners, etc.). • The sensor performance can be increased or decreased by adjusting the motion sensor sensitivity in ⚙ → ⋮ → [General] → [System] → [Additional Settings] → [Motion Sensor Sensitivity].
There is lint, thread, or bunching of threads on the front cover.	• In the case of having Kvadrat fabric on the front cover, there may be threads, lint, or bunching of threads due to the nature of the wool material and its natural design. This is an inherent characteristic of natural wool fabrics and is not a product fault. Please note that this is not a valid reason for an exchange or a refund.

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- 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.

- To run this function manually, press the ⚙ button on the remote control, go to ⋮ → [General] → [OLED Care] → [OLED Panel Care] and press [Pixel Cleaning].

Recommendations for Minimising Image Retention

When watching the TV for a long time, press the ⚙ button on the remote control, go to ⋮ → [Picture] → [Select Mode] and set the mode to [APS Auto Power Save], go to [Advanced Settings] → [Brightness] and set [OLED Pixel Brightness] to a lower level. In addition, press the ⚙ button on the remote control, go to ⋮ → [General] → [OLED Care] → [OLED Panel Care] and set the [Adjust Logo Brightness] value to [High].

When showing images with black bars at the top/bottom/left/right side of the screen, press the ⚙ button on the remote control, press ⋮, and go to [Picture] → [Aspect Ratio] → [User Selection] → [Vertical Zoom] or [4-Way Zoom] to remove the black bars.

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 Remote Control

Power Turns the TV on or off.

Mute Mutes all sounds.

Mute Accesses the [Accessibility] menu.

QUICK ACCESS ** Accesses the [Edit Quick Access].

- [Edit Quick Access] is a feature that allows you to enter a specified app or Live TV directly by pressing and holding the number buttons.

Volume buttons Adjusts the volume level.

Home Accesses the Home menu.

Home Launches the last used apps.

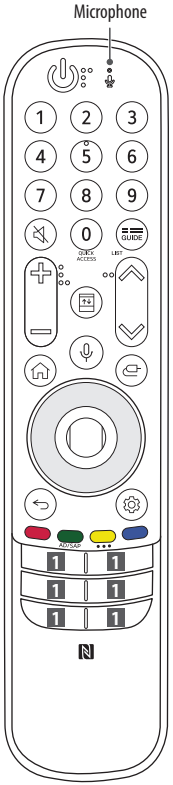
Wheel (OK) Press the centre of button to select a menu. You can change programmes by using button.

Wheel (OK) Accesses the [Magic Explorer]. You can run the [Magic Explorer] feature when the pointer colour is changed to purple. If watching a programme, press and hold down the pointer onto the video. When using [TV Guide], [Settings], [Sports Alert], or [Art Gallery], press and hold down on the text.

Up/Down/Left/Right Press the up, down, left or right button to scroll the menu. If you press buttons while the pointer is in use, the pointer will disappear from the screen and Magic Remote will operate like a general remote control. To display the pointer on the screen again, shake Magic Remote to the left and right.

Back Returns to the previous level.

Back Clears on-screen displays and returns to last input viewing.



Number buttons Enters numbers.

9 ** Accesses the [Quick Help].

GUIDE Accesses the [Guide].

LIST ** Accesses the saved programmes list.

Programme buttons Scrolls through the saved programmes.

Cover Up Down The front cover can be moved.

Voice recognition Network connection is required to use the voice recognition function.

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

Voice recognition ** Speak while pressing and holding the button to use the voice recognition feature.

Input Changes the input source.

Input ** Accesses the [Home Dashboard].

Q. Settings Accesses the Quick Settings.

Q. Settings ** Displays the [All Settings] menu.

These access special functions in some menus.

Red button ** Runs the record function.

AD/SAP ** Audio descriptions function will be enabled.

••• ** Select various functions such as user manual and recording.

1 **Streaming Service buttons** Connects to the Video Streaming Service.

Note

**** To use the button, press and hold for more than 1 second.**

- If your TV model can use artificial intelligence (AI) remote control, check if Bluetooth is connected wirelessly.
- Some buttons may not work, depending on the cover position.
- Only limited buttons work while changing the cover position. (power, volume, etc.)
- You cannot use the pointer in Line View.

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 Remote Control

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

1 Put batteries into the Magic Remote and turn the TV on.
2 Point the Magic Remote at your TV and press the **Wheel (OK)** on the remote control.

* If the TV fails to register the Magic Remote, try again after turning the TV off and back on.

How to deregister the Magic Remote Control

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

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

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- 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 remote control may not perform as expected due to frequency interference.

Using Always Ready in Line View

(Depending on model)
You can operate the TV and connect to Bluetooth with direct voice recognition while the power is off.

* → → [General] → [Always Ready], setting [Enable the function] to on.
* Pressing the button while watching TV switches the screen to [Always Ready] that is turned on, and pressing the button once more turns the screen to [Always Ready] that is turned off.
* Press the **Wheel (OK)** button to display the wallpaper when the screen is in [Always Ready] that is turned off, and press the button to watch TV.

Note

- Using Always Ready may increase energy consumption.
- For models with motion sensors, such as G2, if you set screen on with the motion sensor, the TV will turn on by recognising the motion.
- For more information about the feature, refer to the → → [Support] → [User Guide] → [Troubleshooting] → [Learn More About Always Ready].

Connecting Smart Devices using NFC Tagging

NFC is technology that uses Near Field Communication (13.56 MHz), allowing you to conveniently send and receive information without separate settings. By bringing a smart device near the NFC-enabled remote control, you can install the LG ThinQ app and connect the device to the TV.

1 Turn on NFC in the smart device's settings. To use NFC with Android devices, set the NFC option to enable 'read/write tags' in the smart device's settings. The NFC settings may vary depending on the device.
2 Bring the smart device near the (NFC) on the remote control. The required distance for NFC tagging is about 1 cm.
3 Follow the instructions to install the LG ThinQ app on your smart device.
4 Retagging the smart device to the remote control allows you to conveniently access various features on the connected TV through the LG ThinQ app.

Note

- This feature is available for NFC-enabled smart devices only.
- This feature is only available if the remote control has an NFC logo.

Specifications

Specifications (MR22GN, MR22GA)		
	Frequency range	Output Power (Max.)
Bluetooth	2,400 to 2,483.5 MHz	7 dBm
NFC*	13.553 to 13.567 MHz	-13.27 dBuA/m @ 10 m

* Only MR22GN