

# Preparing

## Lifting and moving the TV

When moving or lifting the TV, read the following 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.
- Use at least two people to move a large TV.
- When transporting the TV by hand, hold the TV as shown in the following illustration.
- 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.
- When handling the TV, be careful not to damage the protruding buttons.

### WARNING

- 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 minimum of 10 cm (4 inches) space from the wall for proper ventilation.

2 Connect the power cord to a wall outlet.

### WARNING

- Do not apply foreign substances (oils, lubricants, etc.) to the screw parts when assembling the product. (Doing so may damage the product.)
- 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.
- Do not use any unapproved items to ensure the safety and lifespan of the product.

- Any damages or injuries by using unapproved items are not covered by the warranty.
- Make sure that the screws are fastened tightly. (If they are not fastened securely enough, the TV may tilt forward after being installed.)
- Do not fasten the screws with excessive force otherwise they may strip and become loose.

### **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 or cable. Make sure to keep the rope parallel to the flat surface.

- Use a platform or cabinet that is strong and large enough to support the TV securely.
- Brackets, bolts and ropes are optional. You can obtain additional accessories from your local dealer.

### **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.

#### **WARNING**

- 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 the Separate purchase.
- 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.

## **Before Installation**

(Except for OLW480B)

- Do not use the product for any purpose other than installing the TV on a wall.
- Avoid product damage and safety accidents caused by careless installing or use of improper or unauthorized wall mount.
- Follow the instructions in the installation manual for a convenient installation of the wall mount.
- Immediately discontinue installation and contact the service centre if you cannot fully understand the installation process. Use a professional installer if any installation issues remain after the inquiry.
- 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

## **Securing TV to the Wall**

(Except for OLW480B)

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

## **How to fix anchors and screws**

(Except for OLW480B)

Please make sure that:

- Check that the material and thickness of the wall and finishing material comply with the installation manual. Before beginning the mounting process, you must be sure the wall is able to support the weight of the TV.
- Should use the enclosed anchors and screws on crack-free concrete walls.
- Never install the product on a plasterboard or wall made of paper or medium-density fiberboard (MDF). When it is necessary to install the product on such wall, anchor screws must be fastened to retaining walls (concrete) or wood Stud inside the finishing material.
- 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 70kgf (686 N) and shear loads of over 100kgf (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 concrete wall**

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 anchors for fixing the wall mount into the holes. (Use a hammer when inserting anchors.)

4 Push the wall mount support closely toward the wall to match the hole locations.

5 Tighten screws for fixing the wall mount to the holes. At this time, tighten the screws to a torque of between 45kgf/cm to 60kgf/cm.

#### **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.

#### **After Installation**

## WARNING

- When connecting additional cables from the sides, we recommend holding the centre of the TV horizontally or vertically and pulling the product to make sure there is sufficient distance from the wall before connecting.
- When connecting additional cables from the bottom, we recommend releasing the TV from the wall mount before connecting.
- Use cable management systems to arrange the cables at the bottom of the TV as shown below. Cable managements are not provided with the product, so purchase them separately.
- After installing the product, be sure to use it adhered to the wall.
  - Using the product while it is not adhered to the wall may damage or shake the product.

## 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  $\Omega$ ).

- 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  $\Omega$ ). (Depending on model)

## CI module

View the encrypted (pay) services in digital TV mode. (Depending on model)


- Check if the CI module is inserted into the PCMCIA card slot in the right direction. If the module is not inserted properly, this can cause damage to the TV and the PCMCIA card slot
- If the TV does not display any video and audio when CI+ CAM is connected, please contact to the Terrestrial/Cable/Satellite Service Operator

## Using Button

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

### Basic functions

#### Adjusting the menu

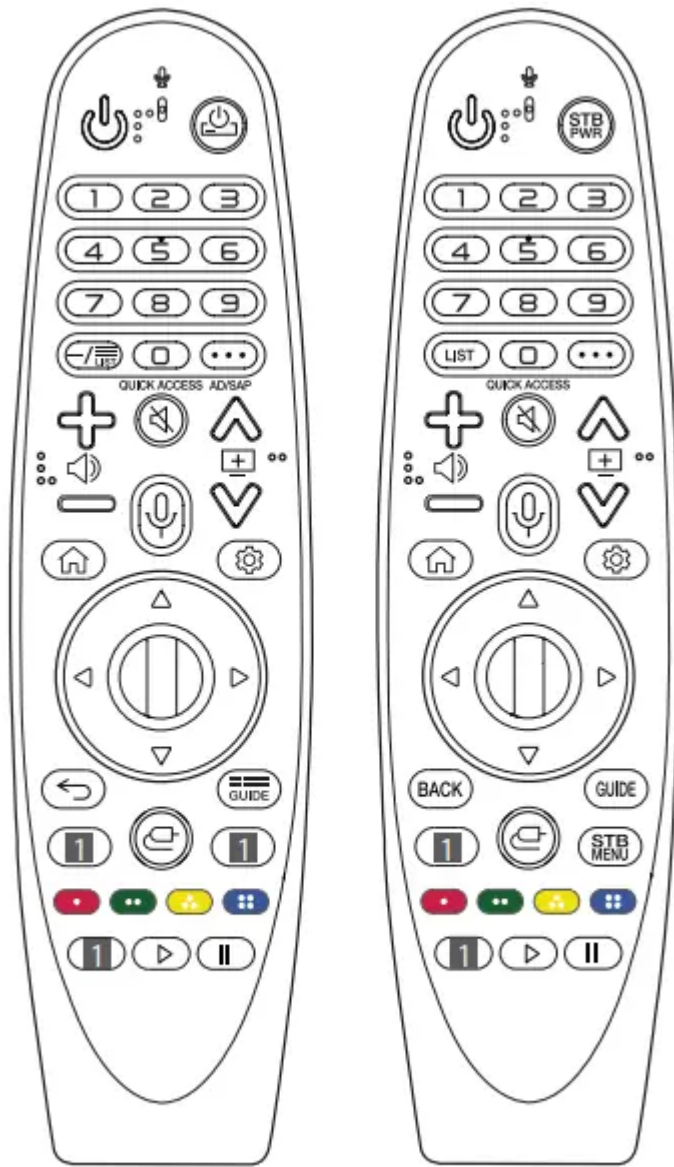
When the TV is turned on, press the  button one time. You can adjust the Menu items using the button.

Note

- Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.
- The available menus and options may differ from the input source or product model that you are using.
- New features may be added to this TV in the future.
- 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 Magic Remote Control

The descriptions in this manual are based on the buttons on the remote control. Please read this manual carefully and use the TV correctly. When the message [Magic Remote battery is low. Please change the battery.] is displayed, replace the batteries To install batteries, open the battery cover, replace batteries (1.5 V AAA) matching the and ends to the label inside the compartment, and close the battery cover. To remove the batteries, perform the installation actions in reverse. This remote uses infrared light. When in use, it should be pointed in the direction of the TV's remote sensor.



(Some buttons and services may not be provided depending on models or regions.)



-  **(POWER)** Turns the TV on or off.
  -  /  You can turn your set-top box on or off by adding the set-top box to the universal remote control for your TV.
  - Number buttons** Enters numbers.
  -  Accesses the [Quick Help].
  -  **(DASH)** Inserts a  between numbers such as 2-1 and 2-2.
  -  / **LIST** Accesses the saved programmes list.
  -  **(MORE ACTIONS)** Displays more remote control functions.
  - QUICK ACCESS** Edits QUICK ACCESS
    - QUICK ACCESS is a feature that allows you to enter a specified app or Live TV directly by pressing and holding the number buttons.
  - AD/SAP** Audio descriptions function will be enabled.
  -  Adjusts the volume level.
  -  **(MUTE)** Mutes all sounds.
  -  **(MUTE)** Accesses the [Accessibility] menu.
  -  Scrolls through the saved programmes.
  -  **(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.
  -  **(HOME)** Accesses the Home menu.
  -  **(HOME)** Shows the previous history.
  -  **(Q. Settings)** Accesses the Quick Settings.
  -  **(Q. Settings)** Displays the [All Settings] menu.
  -  **Wheel (OK)** Press the center of  button to select a menu. You can change programmes by using  button.
  -  **(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.
  -  / **GUIDE** Shows programme guide.
  -  **Streaming Service buttons** Connects to the Video Streaming Service.
  -  **(INPUT)** Changes the input source.
  -  **(INPUT)** Accesses the [Home Dashboard].
  -  Displays the set-top box Home menu.
    - When you are not watching via a set-top box: the display changes to the set-top box screen.
  - , , ,  These access special functions in some menus.
  -  **Runs the record function.**
  -  **(Control buttons)** Controls media contents.

## Registering Magic Remote Control

### 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.

\* Pressing and holding the button will let you cancel and re-register Magic Remote at the same time.

## **User Guide**

For more information about this TV, read the USER GUIDE embedded in the product.

\* To open the USER GUIDE  →  → [Support] → → [User Guide]

## **Troubleshooting**

### **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 ( ).

### **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 in the settings menu.
- 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 upon the product. This generated sound does not affect the performance and reliability of the product.

## Specifications

(Depending on country)

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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
Channel coverage (Band)	DVB-S/S2*	DVB-C*	46 ~ 862 MHz
	950 ~ 2,150 MHz	46 ~ 890 MHz	
Maximum number of storable programmes	DVB-T/T2*		46 ~ 862 MHz
	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		

\* Only DVB-T2/C/S2 support model only.

Wireless module(LGSBWAC94)Specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency range	Output Power (Max.)
2,400 to 2,483.5 MHz	17.5 dBm
5,150 to 5,725 MHz	18 dBm
5,725 to 5,850 MHz	12 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.	
* IEEE 802.11ac is not available in all countries.	

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 upon the model or country, the typical power consumption may not be on label.

**Warning**

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

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