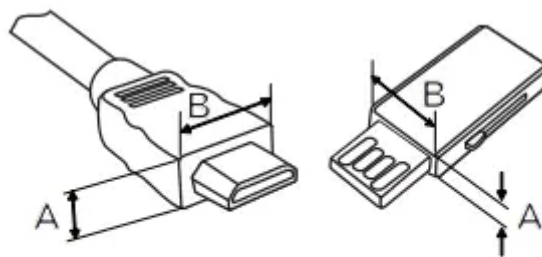


## Preparing

### NOTE

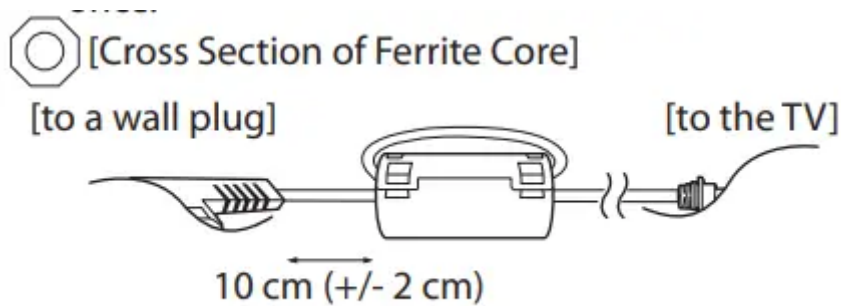
- When the TV is turned on for the first time after being shipped from the factory, initialization of the TV may take approximately one minute.
- Image shown may differ from your TV.
- Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.
- The available menus and options 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 items supplied with your product may vary depending upon the model.
- Product specifications or contents of this manual may be changed without prior notice due to upgrade of product functions.
- For an optimal connection, HDMI cables and USB devices should have bezels less than 10 mm (0.39 inches) thick and 18 mm (0.7 inches) width.
- Use an extension cable that supports USB 2.0 if the USB cable or USB flash drive does not fit into your TV's USB port.
- 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 (3 m or less)
  - High-Speed HDMI®/TM cable
  - High-Speed HDMI ®/TM cable with Ethernet



\*A ≤ 10 mm (0.39 inches)

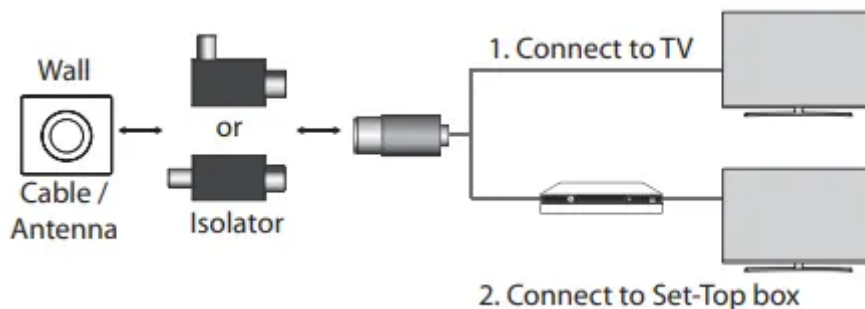
\*B ≤ 18 mm (0.7 inches)

- How to use the ferrite core (Depending upon model)
  - Use the ferrite core to reduce the electromagnetic interference in the power cable. Wind the power cable on the ferrite core once.



- Antenna Isolator Installation Guide (Depending upon model)

- Use this to install TV in a place where there is a voltage difference between TV Set and GND of antenna signal. If there is a voltage difference between TV Set and GND of antenna signal, the antenna contact might be heated and excessive heat might cause an accident.
- You can improve the safety when watching TV by efficiently removing power voltage from TV antenna. It is recommended to mount the isolator to the wall. If it cannot be mounted to the wall, mount it on the TV. Avoid disconnecting the antenna Isolator after installation.
- Before starting, be sure that the TV antenna is connected.



Connect one end of the isolator to cable/antenna jack and the other to TV set or set-top box.

“Equipment connected to the protective earthing of the building installation through the mains connection or through other equipment with a connection to protective earthing - and to a cable distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a cable distribution system has therefore to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728- 11)”

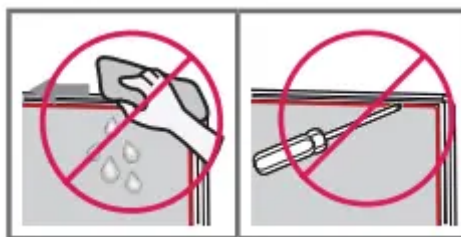
When applying the RF Isolator, a slight loss of signal sensitivity can occur.

**CAUTION**

- Do not use any unapproved items to ensure the safety and product’s lifespan.
- Any damages or injuries by using unapproved items are not covered by the warranty.



- Some models appear to have a thin film on the screen. It is actually part of the screen; do not remove it.
- 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.
- 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 be worn out and become loose.
- 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.
- When cleaning the product, be careful not to allow any liquid or foreign objects to enter the gap between the upper, left or right side of the panel and the guide panel. (For UH8500 series)



## Optional Extras

Optional extras can be changed or modified for quality improvement without any notification. Contact your dealer for buying these items. These devices work only with certain models. The model name or design may be changed due to the manufacturer's circumstances or policies.

(Depending upon model)

<b>AG-F***</b> Cinema 3D Glasses	<b>AG-F***DP</b> Dual Play Glasses	<b>AN-VC550</b> Smart Camera
<b>AN-MR650</b> Magic Remote		

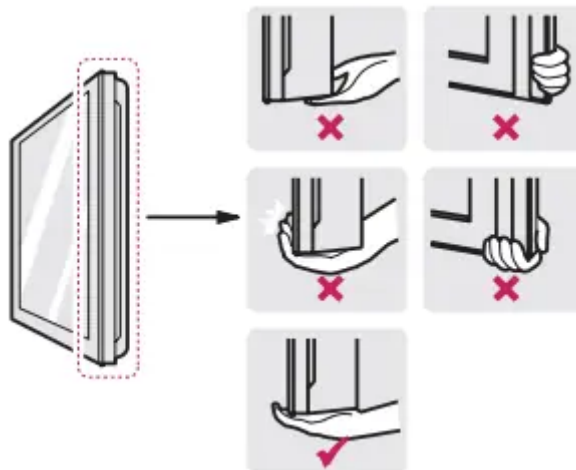
## Lifting and Moving the TV

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.

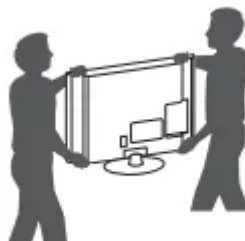
- It is recommended to move the TV in the box or packing material that the TV originally came in.
- Before moving or lifting the TV, disconnect the power cord and all cables.
- When holding the TV, the screen should face away from you to avoid damage.



- Hold the top and bottom of the TV frame firmly. Make sure not to hold the transparent part, speaker, or speaker grille 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.

## CAUTION

- Avoid touching the screen at all times, as this may result in damage to the screen.
- Do not place the product on the floor with its front facing down without padding. Failure to do so may result in damage to the screen.
- Do not move the TV by holding the cable holders, as the cable holders may break, and injuries and damage to the TV may occur. (Depending upon model)

## Using the Button

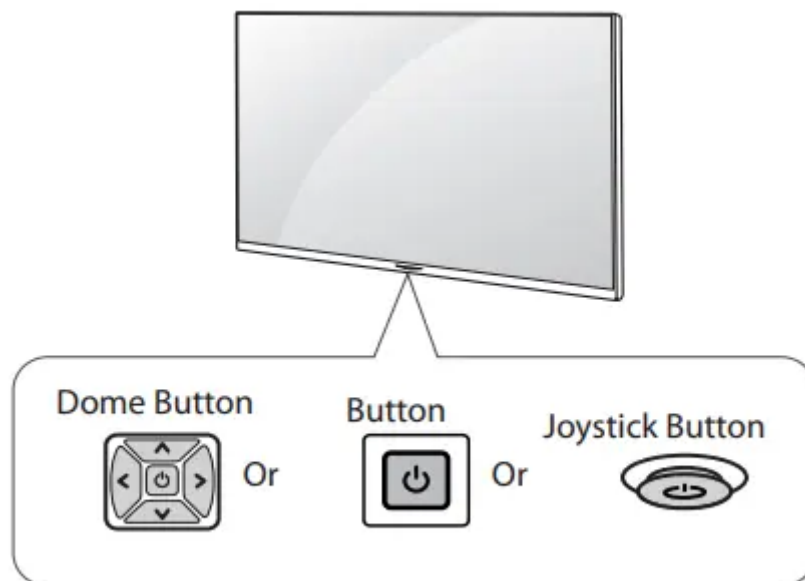
(Depending upon model)

You can simply operate the TV functions, pressing or moving the button.

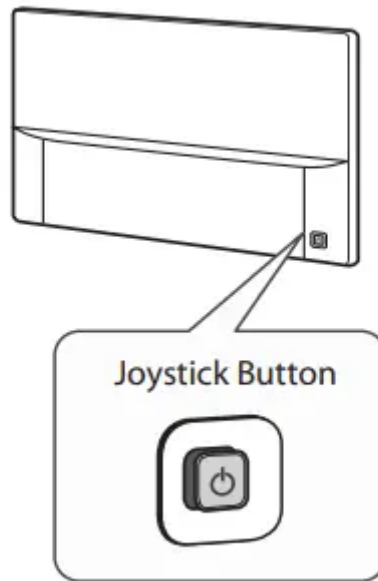
## NOTE

- 43/49UH6030, 43/49UH6100, 49UH6090, and 43/49UH610A does not have a Joystick button but has only a power On/Off button.

### (A Type)



### (B Type)



## Basic Functions

			Power On (Press) Power Off (Press and Hold) <sup>1</sup>
			Volume Control
			Channels Control

<sup>1</sup> All running apps will close.

## Adjusting the Menu

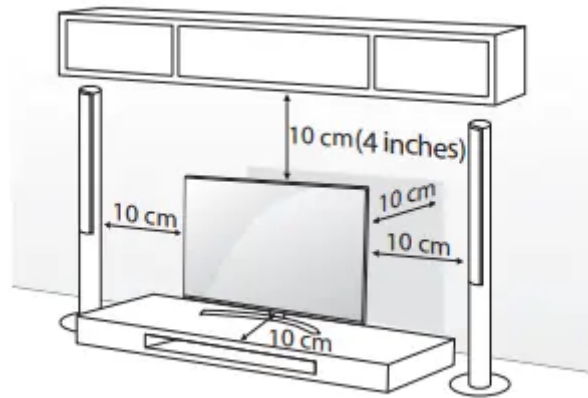
When the TV is turned on, press button one time. You can adjust the Menu items pressing or moving the buttons

	Turns the power off.
	Accesses the setting menu.
	Clears on-screen displays and returns to TV viewing.
	Changes the input source.

## Mounting on a Table

1. Lift and tilt the TV into its upright position on a table.

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



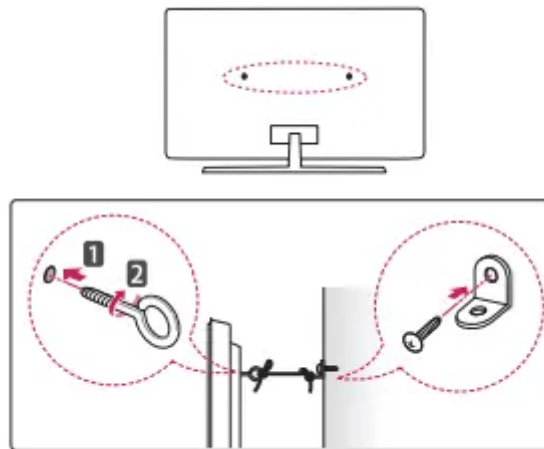
2. Connect the power cord to a wall outlet

### CAUTION

- Do not place the TV near or on sources of heat, as this may result in fire or other damage.

## Securing the TV to a Wall (optional)

(Depending upon model)



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.

### CAUTION

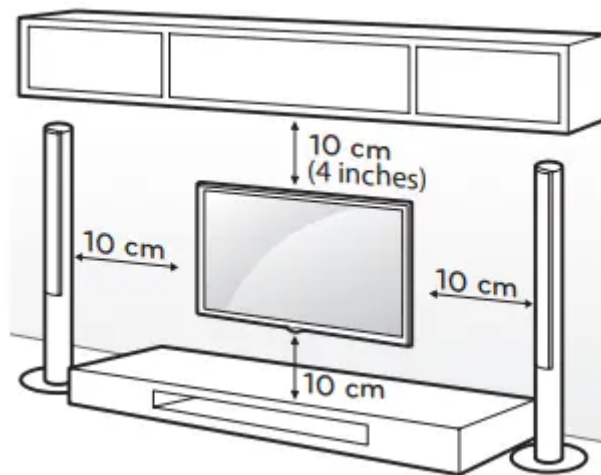
- Make sure that children do not climb on or hang on the TV.

## NOTE

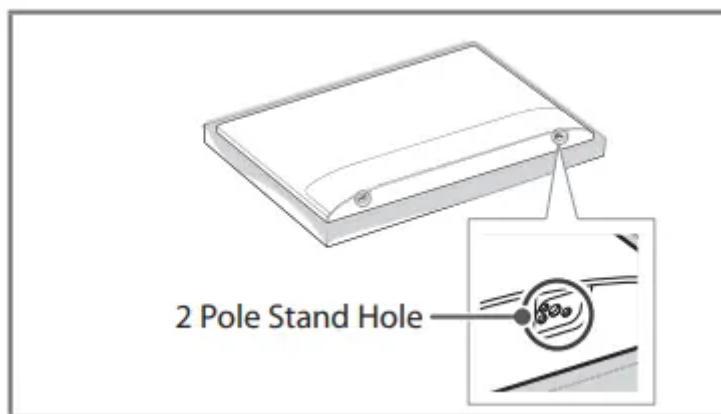
- Use a platform or cabinet that is strong and large enough to support the TV securely.
- Brackets, bolts, and ropes are optional. You can obtain additional accessories from your local dealer.

## Mounting on a Wall






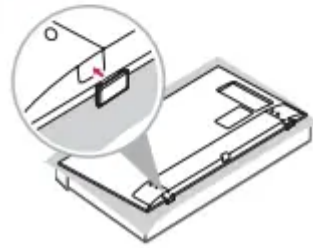
An optional wall mount can be used with your LG Television. Consult with your local dealer for a wall mount that supports the VESA standard used by your TV model. Carefully attach the wall mount bracket at the rear of the TV. Install the wall mount bracket on a solid wall perpendicular to the floor. If you are attaching the TV to other building materials, please contact qualified personnel to install the wall mount. Detailed instructions will be included with the wall mount. We recommend that you use an LG brand wall mount. The LG wall mount is easy to adjust or to connect the cables. When you do not use LG's wall mount bracket, use a wall mount bracket where the device is adequately secured to the wall with enough space to allow connectivity to external devices. If you are using a non-adjustable mount, attach the mount to the wall. Attach the cables to the TV first, then attach the TV to the mount.



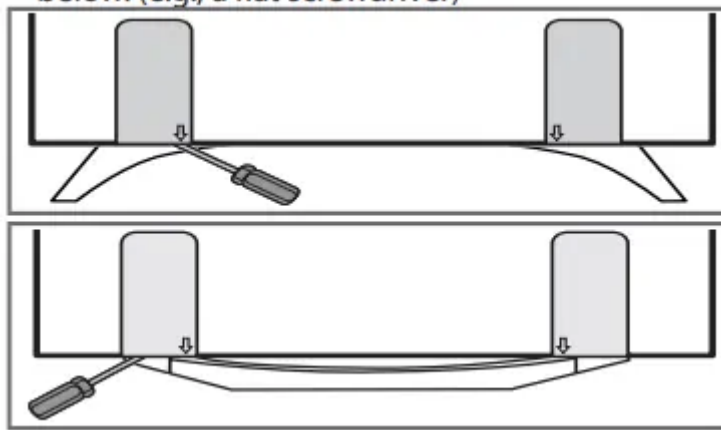
Make sure to use screws and wall mounts that meet the VESA standard. Standard dimensions for the wall mount kits are described in the following table.



- When using the wall mounting bracket, apply the adhesive protective label or protective cover to cover the unused stand openings. This will prevent the accumulation of dust and dirt. (Use only when provided with your particular model.)

<p><b>Provided Item</b></p>  <p>Adhesive Protective Label</p>	
<p><b>Provided Item</b></p>  <p>Adhesive Protective Label</p>	
<p><b>Provided Item</b></p>  <p>Protective Cover</p>	

- Depending upon the shape of the stand, use a flat tool to remove the stand cover as illustrated below. (e.g., a flat screwdriver)



## Connections (Notifications)

You can connect various external devices to the TV. Supported external devices are: HD receivers, DVD players, VCRs, audio systems, USB storage devices, PC, gaming devices, and other external devices. For more information on an external device's connection, refer to the manual provided with each device.

### NOTE

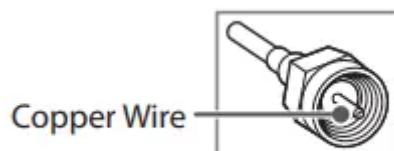
- If you record a TV program on a DVD recorder or VCR, make sure to connect the TV signal input cable to the TV through a DVD recorder or VCR. For more information about recording, refer to the manual provided with the connected device.
- The external device connections shown may differ slightly from illustrations in a manual.
- Connect external devices to the TV regardless about the order of the TV port.
- If you connect a gaming device to the TV, use the cable supplied with the gaming device.
- Refer to the external equipment's manual for operating instructions.
- 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.
- Depending upon the graphics card, some resolution settings may not allow the image to be positioned on the screen properly.
- Some USB Hubs may not work. If a USB device connected through a USB Hub is not detected, connect it directly to the USB port on the TV.
- The TV may be capable of operating without a set-top from a multichannel video programming distributor (MVPD).

## Connecting to an Antenna or Cable

Connect an antenna, cable, or cable box to watch TV. The illustrations may differ from the actual items and an RF cable is optional.

### CAUTION

- Make sure not to bend the copper wire of the RF cable.



- Complete all connections between devices, and then connect the power cord to the power outlet to prevent damage to your TV

### NOTE

- Use a signal splitter to use 2 TVs or more.
- DTV Audio Supported Codec: MPEG, Dolby Digital.
- Direct ULTRA HD broadcast is unavailable in areas without an ULTRA HD signal.
- This TV cannot receive ULTRA HD (3840 x 2160 pixels) broadcasts directly because the related standards have not been confirmed. (Depending upon model)

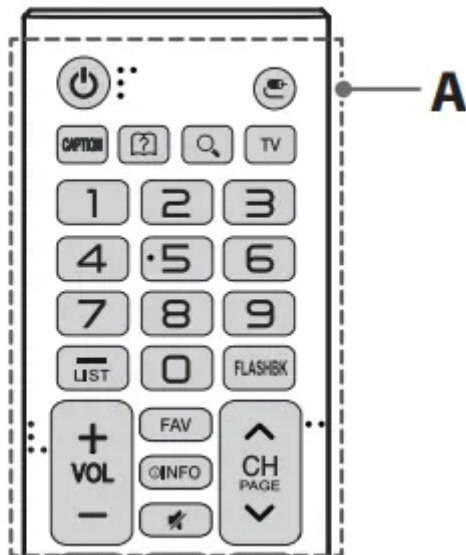
## Other Connections

Connect your TV to external devices. For the best picture and audio quality, connect the external device and the TV with the HDMI cable. Depending upon the model, a cable may not be provided.

## Remote Control

(Depending upon model)

The descriptions in this manual are based on the buttons on the remote control. Please read this manual carefully and use the TV correctly. 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. Failure to match the correct polarities of the battery may cause the battery to burst or leak, resulting in fire, personal injury, or ambient pollution. 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.



## A

**⏻ (POWER)** Turns the TV on or off.

**📺 (INPUT)** Changes the input source.

**CAPTION** Activates or deactivates the subtitles.

**📖 (User Guide)** Sees user-guide.

**🔍 (Search)** Shows the search mode.

**TV** Returns to the last TV channel.

**Number button** Enters numbers.

**- (Dash)** Inserts a dash between numbers such as 2-1 and 2-2.

**LIST** Accesses the saved channel list.

**FLASHBK** Alternates between the two last channels selected (pressing repeatedly).

**+ VOL -** Adjusts the volume level.

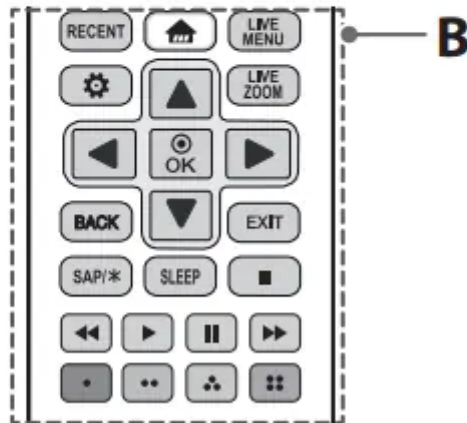
**FAV** Accesses your favorite channel list.

**INFO** Shows information on the current program.

**Mute** Mutes all sounds.

**CH** Scrolls through the saved channels.

**PAGE** Moves to the previous or next screen.



## B

**RECENT** Shows the previous history.

**Home** (Home) Accesses the Home menu.

**LIVE MENU** Shows the list of Channels.

**Settings** (Settings) Accesses the settings.

**LIVE ZOOM** By zooming in on the selected area, you can view it in full screen.

**Navigation buttons** Scrolls through menus or options. (up/down/left/right)

**OK** Selects menus or options and confirms your input.

**BACK** Returns to the previous screen.

**EXIT** Clears all on-screen displays and returns to TV viewing.

**SAP/\*** Enables SAP (Secondary Audio Program) Feature.

**SLEEP** Sets the length of time until the TV to turns off.

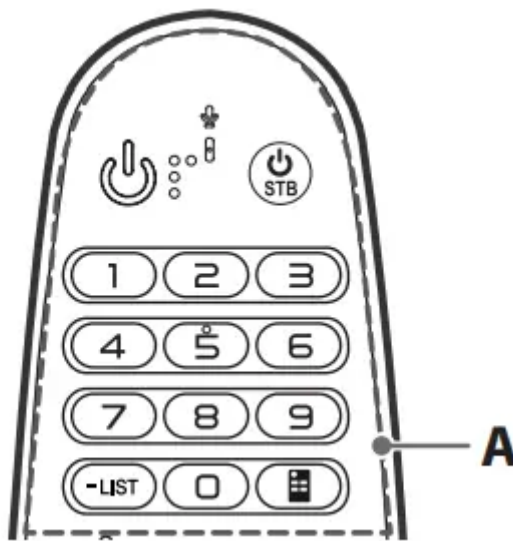
**Media control buttons** Control buttons for media contents

**Color buttons** These access special functions in some menus. (Red, Green, Blue, Yellow)


## Magic Remote Functions


(Depending upon model)

When the message Magic remote battery is low. Change the battery. is displayed, replace the batteries. To install batteries, open the battery cover, replace batteries (1.5 V AA) matching and ends to the label inside the compartment, and close the battery cover. Failure to match the correct polarities of the battery may cause the battery to burst or leak, resulting in fire, personal injury, or ambient pollution. Be sure to point the remote control at the remote control sensor on the TV. To remove the batteries, perform the installation actions in reverse. This remote uses infrared light and Bluetooth technology. When in use, it should be pointed in the direction of the TV's remote sensor.



**A**

 (POWER) Turns the TV on or off.

 **STB (STB POWER)** You can turn your set-top box on or off by adding the set-top box to the universal remote control for your TV.

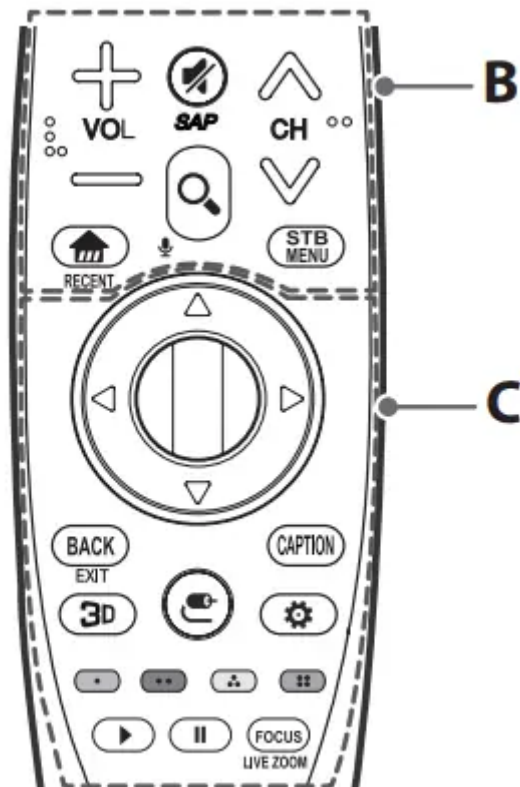
**Number button** Enters numbers.

- (Dash) Inserts a dash between numbers such as 2-1 and 2-2.

**LIST** Accesses the saved channel list.

 (Screen Remote) Displays the Screen Remote.

- Accesses the Universal Control Menu in some regions.



## B

**+** **VOL** **—** Adjusts the volume level.

**🔇** (**MUTE**) Mutes all sounds.

**🗣️** \* Video descriptions function will be enabled.

- SAP (Secondary Audio Program) Feature can also be enabled by pressing the **🗣️** key.

**^** **CH** **v** Scrolls through the saved channels.

**🏠** (**Home**) Accesses the Home menu.

**RECENT** \* Shows the previous history.



**🔍** (**Search**) Search for content such as channels, movies and other videos, or perform a web search by entering your search terms in the search box.


**🗣️** (**Voice recognition**) Network connection is required to use the voice recognition function.

- 1 Press and hold the **🔍** (**Search**) button.
- 2 Speak when the voice display window appears on the TV screen.

**STB MENU** Displays the set-top box Home menu. (When you are not watching with a set-top box: the set-top box screen is displayed.)

## C


 (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.


 **Wheel (OK)** Press the center of the Wheel button to select a menu. You can change channels by using the Wheel button.

**BACK** Returns to the previous screen.


**EXIT** \* Clears all on-screen displays and returns to TV viewing.

**3D** Used for viewing 3D video. (For 3D models)

 **(INPUT)** Changes the input source.





- Pressing and holding the  **(INPUT)** button displays all the lists of external inputs.


**CAPTION** Activates or deactivates the subtitles.

 **(Q. Settings)** Accesses the quick settings.

- Pressing and holding the  **(Q. Settings)** button displays the **All Settings** menu.

**Color buttons** These access special functions in some menus.

( Red,  Green,  Yellow,  Blue)

 **Control buttons for media contents**

**FOCUS** You can zoom in on the area where the remote control is pointed.

**LIVE ZOOM** \* By zooming in on the selected area, you can view it in full screen.

\* : To use the button, press and hold for more than 3 seconds.

## Open Source Software Notice Information

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit <http://opensource.lge.com>.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to [opensource@lge.com](mailto:opensource@lge.com). This offer is valid for three (3) years from the date on which you purchased the product.

## Troubleshooting

- Cannot control the TV with the remote control.
  - Check if anything such as tape has been placed over the receiver.
  - Check if there is any obstacle between the product and the remote control.
  - Replace the batteries with new ones.
- 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 Sleep Timer / Timer Power Off feature is activated in the Timers settings.
  - If there is no signal while the TV is on, the TV will turn off automatically after 15 minutes of inactivity

### 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.