

## Important safety instructions

- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or groundingtype plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 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.
- Do not stick metal objects or any other conductive material into the power cord. Do not touch the end of the power cord while it is plugged in.
- Keep the packing anti-moisture material or vinyl packing out of the reach of children. Anti-moisture material is harmful if swallowed. If swallowed, induce vomiting and go to the nearest hospital. Additionally, vinyl packing can cause suffocation. Keep it out of the reach of children.
- CAUTION concerning the Power Cord (Can differ by country): Check the specification page of this owner's manual to be certain concerning current requirements. Do not

connect too many devices to the same AC power outlet as this could result in fire or electric shock. Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your device, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the device, and have the cord replaced with an exact replacement part by an authorized servicer. 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 with the power cord plugged in. Do not use a damaged or loose power cord. Be sure to grasp the plug when unplugging the power cord. Do not pull on the power cord to unplug the TV.

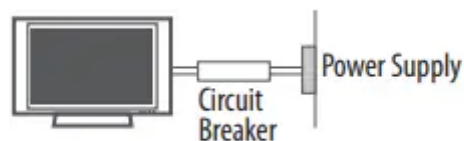
- Warning - To reduce the risk of fire or electrical shock, do not expose this product to rain, moisture or other liquids. Do not touch the TV with wet hands. Do not install this product near flammable objects such as gasoline or candles, or expose the TV to direct air conditioning.

- 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).

- **Grounding**

- (Except for devices which are not grounded.) Ensure that you connect the earth ground wire to prevent possible electric shock (i.e., a TV with a three-prong grounded AC plug must be connected to a three-prong grounded AC outlet).

If grounding methods are not possible, have a qualified electrician install a separate circuit breaker. Do not try to ground the unit by connecting it to telephone wires, lightning rods, or gas pipes.



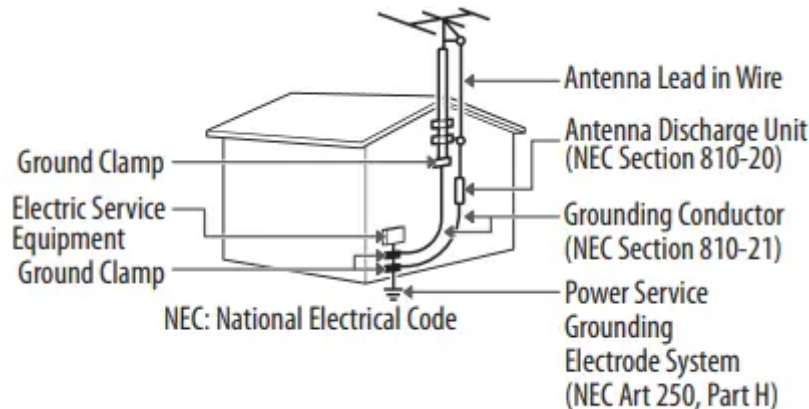
- As long as this unit is connected to the AC wall outlet, it is not disconnected from the AC power source even if the unit is turned off.
- Do not attempt to modify this product in any way without written authorization from LG Electronics. Unauthorized modification could void the user's authority to operate this product.

- **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. Be sure the antenna system is grounded to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code (NEC) in the U.S.A. provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

- **Antenna grounding according to the National Electrical Code, ANSI/NFPA 70**



- **Cleaning**

- When cleaning, unplug the power cord and wipe gently with a soft cloth to prevent scratching. Do not spray water or other liquids directly on the TV as electric shock may occur. Do not clean with chemicals such as alcohol, thinners, or benzene.

- **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.

- **Ventilation**

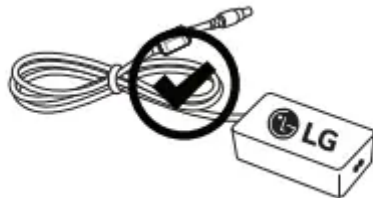
- Install your TV where there is proper ventilation. Do not install in a confined space such as a bookcase. Do not cover the product with cloth or other materials while plugged in. Do not install in excessively dusty places.

- If you smell smoke or other odors coming from the TV, unplug the power cord and contact an authorized service center.

- If water or another substance enters the product (like an AC adapter, power cord, or TV), disconnect the power cord and contact the service center immediately. Otherwise, this may result in fire or electric shock.



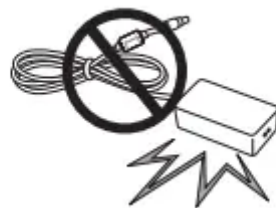
- Use only an authorized AC adapter and power cord approved by LG Electronics. Otherwise, this may result in fire, electric shock, malfunction, or product deformation.



- Never disassemble the AC adapter or power cord. This may result in fire or electric shock.

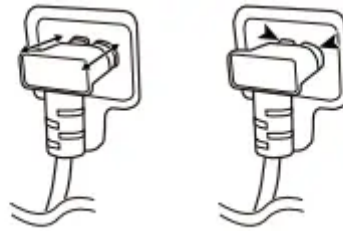


- Handle the adapter carefully to avoid dropping or striking it. An impact could damage the adapter



- Keep the product away from direct sunlight. y Never touch this apparatus or antenna during a lightning storm.
- 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 allow an impact shock or any objects to fall into the product, and do not drop anything onto the screen.
- 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.
- Make sure the power cord is connected securely to the power plug on the TV.



- **Batteries**

Store the accessories (battery, etc.) in a safe location out of the reach of children.

- This apparatus uses batteries. In your community there might be regulations that require you to dispose of these batteries properly due to environmental considerations. Please contact your local authorities for disposal or recycling information.
- Do not dispose of batteries in a fire.
- Do not short circuit, disassemble, or allow the batteries to overheat.
- Do not use high voltage electrical equipment near the TV, (e.g., a bug zapper). This may result in product malfunction.

- **Dot Defect**

- The panel is a high technology product with resolution of two million to six million pixels. In a very few cases, you could see fine dots on the screen while you're viewing the TV. Those dots are deactivated pixels and do not affect the performance and reliability of the TV.

- **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

- Take care not to touch the ventilation openings. When watching the TV for a long period, the ventilation openings may become hot. This does not affect the performance of the product or cause defects in the product.

- 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.
- If the TV feels cold to the touch, there may be a small flicker when it is turned on. This is normal; there is nothing wrong with TV. Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots. However, they have no adverse effect on the TV's performance. Avoid touching the LCD screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary distortion effects on the screen.
- Displaying a still image for a prolonged time may cause image sticking. Avoid displaying a fixed image on the TV screen for a long period of time.

## 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,

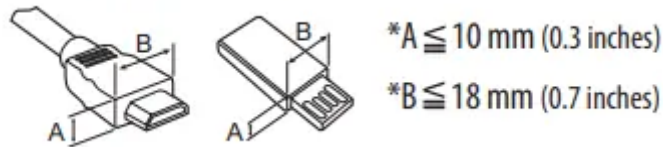
In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download. LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email

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

## Preparing

- 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.
- 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 (0.3 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
  - High-Speed HDMI®/™ cable
  - High-Speed HDMI®/™ cable with Ethernet



- This Smart TV is for VOD (Video On Demand) service, some smart functions may not be supported including web browser.

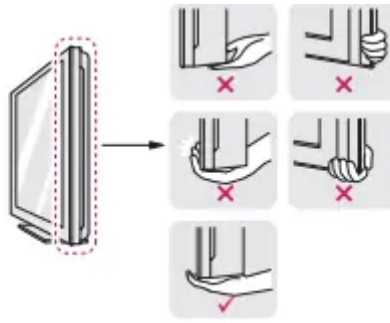
## Lifting and moving the TV

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



- 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.



## Setting up the TV

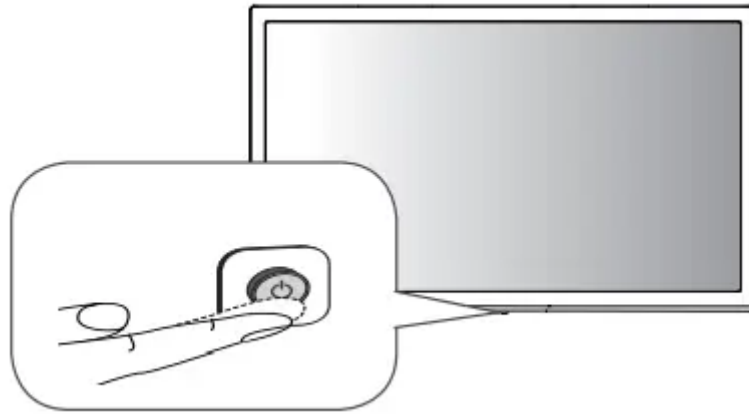
### CAUTION

- 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.
- Do not carry the TV upside-down by holding the stand body (or stand base) as this may cause it to fall off, resulting in damage or injury.
- Do not apply foreign substances (oils, lubricants, etc.) to the screw parts when assembling the product. (Doing so may damage the product.)


## Using the button

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

- Image shown may differ from your TV.



## Basic Functions

	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.

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.

## Adjusting the Menu

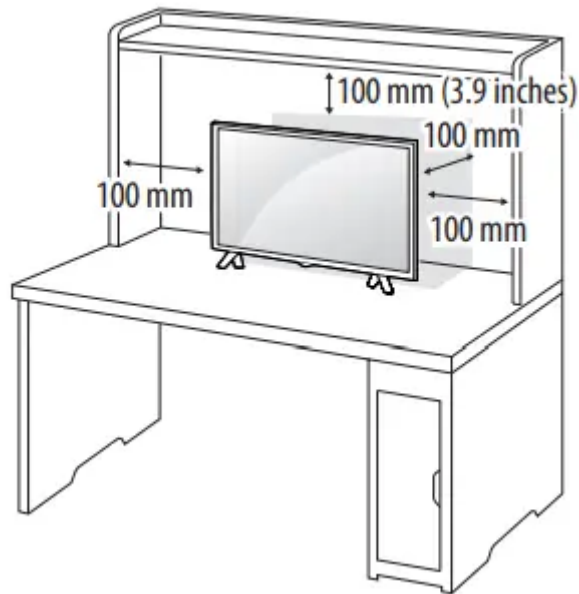
When the TV is turned on, press the button one time. You can adjust the menu items using the buttons.

	Turns the power off.
	Changes the input source.
	Adjusts the volume level.
	Scrolls through the saved channels.

## Mounting on a table

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

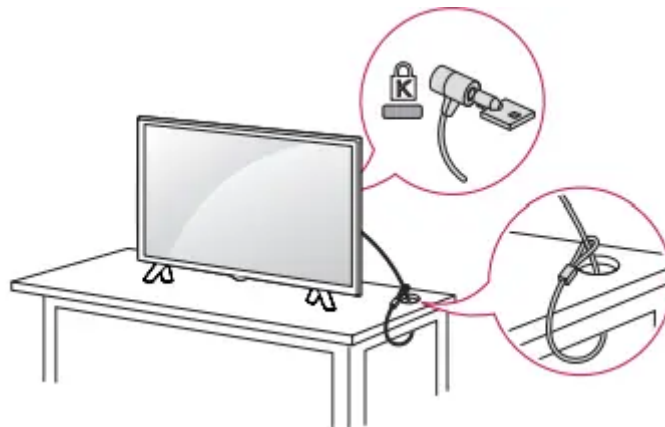
- Leave a 100 mm (3.9 inches) (minimum) space from the wall for proper ventilation.



2 Connect the AC-DC Adapter and Power Cord to a wall outlet.

#### Using the kensington security system (optional)

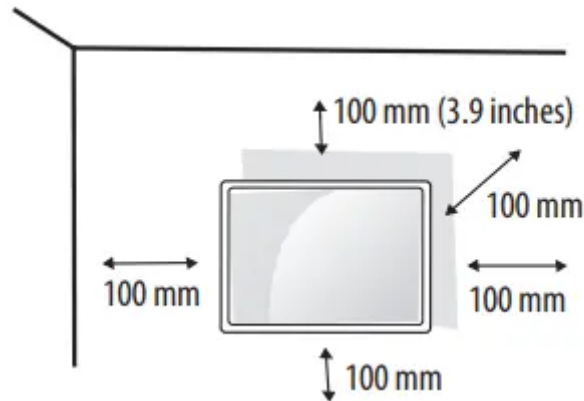
- Image shown may differ from your TV. The Kensington security system connector is located at the rear of the TV. For more information of installation and using, refer to the manual provided with the Kensington security system. Connect the Kensington security system cable between the TV and a table.



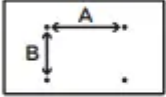
## Mounting on a wall

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.



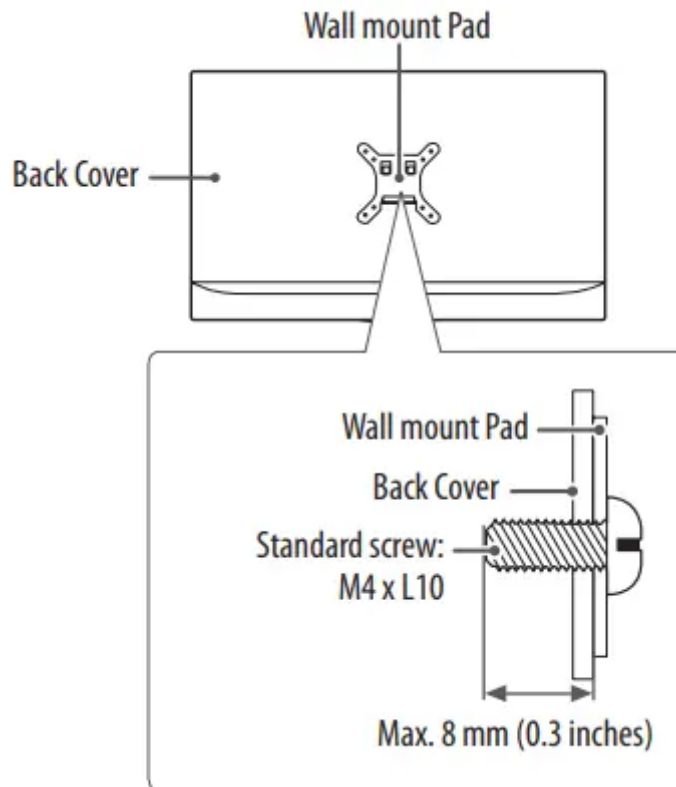
Make sure to use screws and wall mounts that meet the VESA standard. Standard dimensions for the wall mount kits are described in the following table.

Model	24LM520S 24LM500S 24LM530S	28LM520S
<b>Wall mount (A x B)</b> 	75 x 75	100 x 100
<b>Standard screw</b>	M4 x L10	
<b>Number of screws</b>	4	
<b>Wall mount bracket (optional)</b>	LSW149	

### CAUTION

- Must use the enclosed screw in the box. (Depending upon model) y Disconnect the power before moving or installing the TV. Otherwise electric shock may occur.
- Remove the stand before installing the TV on a wall mount by performing the stand attachment in reverse.
- If you install the TV on a ceiling or slanted wall, it may fall and result in severe injury. Use an authorized LG wall mount and contact the local dealer or qualified personnel. When using a thirdparty wall mount, it is not covered by the warranty.
- Do not overtighten the screws as this may cause damage to the TV and void your warranty.

- Use the screws and wall mounts that meet the VESA standard. Any damages or injuries by misuse or using an improper accessory are not covered by the warranty.
- Screw length from outer surface of back cover should be less than 8 mm (0.3 inches).



#### NOTE

- Use the screws that are listed on the VESA standard screw specifications.
- The wall mount kit includes an installation manual and necessary parts.
- The wall mount bracket is optional. You can obtain additional accessories from your local dealer.
- The length of screws may differ depending upon the wall mount. Make sure to use the proper length.
- For more information, refer to the manual supplied with the wall mount.

## Connections (Notifications)

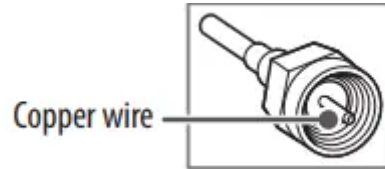
You can connect various external devices to the TV. Supported external devices are: HD receivers, DVD players, VCRs, audio systems, USB storage devices, PC, gaming devices, and other external devices. For more information on an external device's connection, refer to the manual provided with each device.

### 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

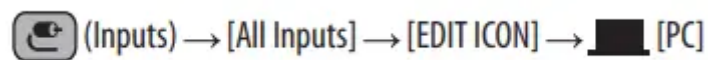
- Make sure not to bend the copper wire of the RF cable



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

### PC connection

When connecting your PC to the HDMI input, set the HDMI input's [Input Label] to [PC].



### 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. Some separate cable is not provided.


- USB port supports 0.5 A electric current. If you need more electric current in case of HDD, use the separate power adaptor.
- Supported HDMI Audio format: Dolby Digital / Dolby Digital Plus (32 kHz, 44.1 kHz, 48 kHz), DTS (44.1 kHz, 48 kHz), PCM (32 kHz, 44.1 kHz, 48 kHz, 96 kHz, 192 kHz) (Depending upon model)

## Remote control

(Some buttons and services may not be provided depending upon models or regions.) 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. To remove the batteries, perform the installation actions in reverse. Make sure to point the remote control toward the remote control sensor on the TV.


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




 (Power) Turns the TV on or off.

 (Inputs) 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** buttons 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)

**QUICK ACCESS** \* You can access apps or Live TV using the number buttons corresponding to the features.


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


**FAV** Accesses your favorite channel list

 **INFO** Views the information of the current program and screen

 **(Mute)** Mutes all sounds

\* Accesses the [Accessibility] menu


 **CH** Scrolls through the saved channels.

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

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


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

\* Shows the previous history.

 **(Settings)** Accesses the settings

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

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

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

**BACK** Returns to the previous screen.


**EXIT** Clears 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

**MAGIC LINK** \* Provides content related to the program you are currently watching

 **(Control buttons)** Controls the media contents.

 These access special functions in some menus.

## 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 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.

**If TV is turned off automatically.**

- If [Timer Power On] is enabled, the TV will be turned on at the specified time. If you do not operate the TV for two hours, the TV will be turned off automatically.
- To disable this function, use your remote control to go to  (Settings) → [General] → [Timers] → [2 Hours Auto Power Off] → [Off]

# Specifications

Models	Dimensions (W x H x D)		Weight		Power consumption (Outgoing condition)	Power requirement
	With stand	Without stand	With stand	Without stand		
24LM520S 24LM500S	563.1 x 367 x 150.1 (mm) 22.1 x 14.4 x 5.9 (inches)	563.1 x 340.9 x 58 (mm) 22.1 x 13.4 x 2.2 (inches)	3.3 (kg) 7.2 (lbs)	3.25 (kg) 7.1 (lbs)	26 W	19 V --- 2.0 A
28LM520S	649.4 x 420 x 150.1 (mm) 25.5 x 16.5 x 5.9 (inches)	649.4 x 393.8 x 61.4 (mm) 25.5 x 15.5 x 2.4 (inches)	4.55 (kg) 10.0 (lbs)	4.5 (kg) 9.9 (lbs)	30 W	19 V --- 2.0 A
24LM530S	563.1 x 393.8 x 148.6 (mm) 22.1 x 15.5 x 5.8 (inches)	563.1 x 340.9 x 58 (mm) 22.1 x 13.4 x 2.2 (inches)	3.6 (kg) 7.9 (lbs)	3.25 (kg) 7.1 (lbs)	26 W	19 V --- 2.0 A

Wireless module (LGSWFAC71) Specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency Range	Output Power (Max.)
2400 to 2483.5 MHz	15 dBm
5150 to 5725 MHz	14.5 dBm
5725 to 5850 MHz	14.5 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 (7.8 inches) between the device and the body.
- FCC ID: BEJLGSWFAC71 / IC: 2703H-LGSWFAC71

AC/DC Adapter	Manufacturer: Lien Chang Model: LCAP16B-A
	Manufacturer: Honor Model: ADS-45FSN-19 19040GPCU In: AC 100 – 240 V ~ 50/60 Hz Out: DC 19 V --- 2.1 A

Environment condition	Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
	Operating Humidity	Less than 80 %
	Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
	Storage Humidity	Less than 85 %

Television system	ATSC, NTSC-M, 64 & 256 QAM
Program coverage	VHF 2-13, UHF 14-69, CATV 1-135, DTV 2-69, CADTV 1-135
External antenna impedance	75 Ω

## 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.