



OWNER'S MANUAL

Safety and Reference

LED TV*

* LG LED TV applies LCD screen with LED backlights.

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

www.lg.com

P/NO : MFL68780134 (1503-REV01)

Printed in Korea



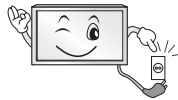
Do not place the TV and/or remote control in the following environments:

- A location exposed to 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
- Near containers of water such as vases

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



Do not place the product where it might be exposed to dust. This may cause a fire hazard.



Mains Plug is the TV connecting/disconnecting device to AC mains electric supply. This plug must remain readily attached and operable when TV is in use.



Do not touch the power plug with wet hands. Additionally, if the cord pin is wet or covered with dust, dry the power plug completely or wipe dust off. You may be electrocuted due to excess moisture.



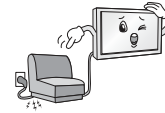
Make sure to connect Mains cable to compliant AC mains socket with Grounded earth pin. (Except for devices which are not grounded on earth.) Otherwise possibility you may be electrocuted or injured.



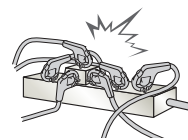
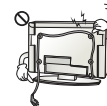
Insert power cable plug completely into wall socket otherwise if not secured completely into socket, fire ignition may break out.



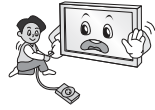
Ensure the power cord does not come into contact with hot objects such as a heater. This may cause a fire or an electric shock hazard.



Bend antenna cable between inside and outside building to prevent rain from flowing in. This may cause water damaged inside the Product and could give an electric shock.



Do not plug too many electrical devices into a single multiple electrical outlet. Otherwise, this may result in fire due to over-heating.



Do not drop the product or let it fall over when connecting external devices. Otherwise, this may result in injury or damage to the product.



Keep the anti-moisture packing material or vinyl packing out of the reach of children. Anti-moisture material is harmful if swallowed. If swallowed by mistake, force the patient to vomit and visit the nearest hospital. Additionally, vinyl packing can cause suffocation. Keep it out of the reach of children.



Do not let your children climb or cling onto the TV. Otherwise, the TV may fall over, which may cause serious injury.



Dispose of used batteries carefully to ensure that a small child does not consume them. Please seek Doctor- Medical Attention immediately if child consumes batteries.



Do not insert any metal objects/conductors (like a metal chopstick/cutlery/screwdriver) between power cable plug and input Wall Socket while it is connected to the input terminal on the wall. Additionally, do not touch the power cable right after plugging into the wall input terminal. You may be electrocuted. (Depending on model)



Do not drop metallic objects such as coins, hair pins, chopsticks or wire into the product, or inflammable objects such as paper and matches. Children must pay particular attention. Electrical shock, fire or injury can occur. If a foreign object is dropped into the product, unplug the power cord and contact the service centre.



Do not spray water on the product or scrub with an inflammable substance (thinner or benzene). Fire or electric shock accident can occur.



Never touch the wall outlet when there is leakage of gas, open the windows and ventilate. It may cause a fire or a burn by a spark.





Unplug the TV from AC mains wall socket if you do not intend to use the TV for a long period of time. Accumulated dust can cause fire hazard and insulation deterioration can cause electric leakage/shock/fire.

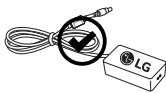


Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

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 water enters or comes into contact with TV, AC adapter or power cord please disconnect the power cord and contact service centre immediately. Otherwise, this may result in electric shock or fire.



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

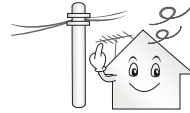


Never Disassemble the AC adapter or power cord. This may result in fire or electric shock.

CAUTION



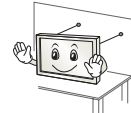
Install the product where no radio wave occurs.



There should be enough distance between an outside antenna and power lines to keep the former from touching the latter even when the antenna falls. This may cause an electric shock.



Do not install the product on places such as unstable shelves or inclined surfaces. Also avoid places where there is vibration or where the product cannot be fully supported. Otherwise, the product may fall or flip over, which may cause injury or damage to the product.



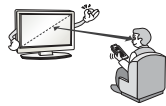
If you install the TV on a stand, you need to take actions to prevent the product from overturning. Otherwise, the product may fall over, which may cause injury.

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.

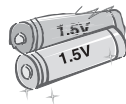
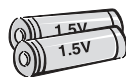
Only use the attachments / accessories specified by the manufacturer.



When installing the antenna, consult with a qualified service technician. If not installed by a qualified technician, this may create a fire hazard or an electric shock hazard.



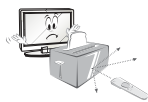
Only use the specified type of battery. This could cause damage to the remote control.



Do not mix new batteries with old batteries. This may cause the batteries to overheat and leak.

Batteries should not be exposed to excessive heat. For example, keep away from direct Sunlight , open fireplace and electric heaters.

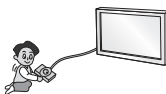
Do not place non-rechargeable batteries in charging device.



Make sure there are no objects between the remote control and its sensor.



Signal from Remote Control can be interrupted due to external/internal lighting eg Sunlight, fluorescent lighting. If this occurs turn off lighting or darken viewing area.



When connecting external devices such as video game consoles, make sure the connecting cables are long enough. Otherwise, the product may fall over, which may cause injury or damage the product.



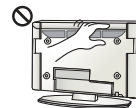
Do not turn the product On/Off by plugging-in or unplugging the power plug to the wall outlet. (Do not use the power plug for switch.) It may cause mechanical failure or could give an electric shock.



Please follow the installation instructions below to prevent the product from overheating.

- The distance between the product and the wall should be more than 10 cm.
- Do not install the product in a place with no ventilation (e.g., on a bookshelf or in a cupboard).
- Do not install the product on a carpet or cushion.
- Make sure the air vent is not blocked by a tablecloth or curtain.

Otherwise, this may result in fire.



Take care not to touch the ventilation openings when watching the TV for long periods as the ventilation openings may become hot. This does not affect the operation or performance of the product.

Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized servicer.



Prevent dust collecting on the power plug pins or outlet. This may cause a fire hazard.



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 appliance.



Do not press strongly upon the panel with a hand or sharp object such as nail, pencil or pen, or make a scratch on it, as it may cause damage to screen.



Avoid touching the screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary or permanent distortion/damage to screen.



When cleaning the product and its components, unplug the power first and wipe it with a soft cloth. Applying excessive force may cause scratches or discolouration. Do not spray with water or wipe with a wet cloth. Never use glass cleaner, car or industrial shiner, abrasives or wax, benzene, alcohol etc., which can damage the product and its panel. Otherwise, this may result in fire, electric shock or product damage (deformation, corrosion or breakage).

As long as this unit is connected to the AC wall outlet, it is not disconnected from the AC power source even if you turn off this unit by SWITCH.



When moving the product, make sure you turn the power off first. Then, unplug the power cables, antenna cables and all connecting cables. The TV set or power cord may be damaged, which may create a fire hazard or cause electric shock.



When moving or unpacking the product, work in pairs because the product is heavy. Otherwise, this may result in injury.



Contact the service centre once a year to clean the internal parts of the product. Accumulated dust can cause mechanical failure.



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.



The panel is a high technology display product with resolution of two million to six million pixels. You may see tiny black dots and/or brightly coloured dots (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 color 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.



Displaying a still image (e.g., broadcasting channel logo, on-screen menu, scene from a video game) for a prolonged time may cause damage to the screen, resulting in retention of the image, which is known as image sticking. The warranty does not cover the product for image sticking.

Avoid displaying a fixed image on your television's screen for a prolonged period (2 or more hours for LCD, 1 or more hours for Plasma). Also, if you watch the TV at a ratio of 4:3 for a long time, image sticking may occur on the borders of the panel.

This phenomenon also occurs in third-party products and is not subject to exchange or refund.



Viewing 3D imaging (Only 3D models)



ENGLISH



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.

Do not use high voltage electrical goods near the TV (e.g. electric mosquito-swatter). This may result in product malfunction.



⚠ CAUTION**Viewing environment**

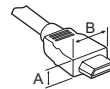
- Viewing Distance
 - Maintain a distance of at least twice the screen diagonal length when watching 3D contents. If you feel discomfort in viewing 3D contents, move further away from the TV.

Viewing age

- Infants/Children
 - Usage/ Viewing 3D contents for children under the age of 6 are prohibited.
 - Children under the age of 10 may overreact and become overly excited because their vision is in development (for example: trying to touch the screen or trying to jump into it.) Special monitoring and extra attention is required for children watching 3D contents.
 - Children have greater binocular disparity of 3D presentations than adults because the distance between the eyes is shorter than that of adults. Therefore they will perceive more stereoscopic depth compared to adults for the same 3D image.
- Teenagers
 - Teenagers under the age of 19 may react with sensitivity due to stimulation from light in 3D contents. Advise them to refrain from watching 3D contents for a long time when they are tired.
- Elderly
 - The elderly may perceive less 3D effect compared to the young. Do not sit closer to the TV than the recommended distance.

Cautions when using the 3D glasses

- Make sure to use LG 3D glasses. Otherwise, you may not be able to view 3D videos properly.
- Do not use 3D glasses instead of your normal glasses, sunglasses or protective goggles.
- Using modified 3D glasses may cause eye strain or image distortion.
- Do not keep your 3D glasses in extremely high or low temperatures. It will cause deformation.
- The 3D glasses are fragile and are easily scratched. Always use a soft, clean piece of cloth when wiping the lenses. Do not scratch the lenses of the 3D glasses with sharp objects or clean/wipe them with chemicals.

Preparing

*A ≤ 10 mm

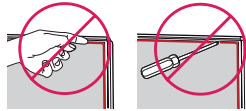
*B ≤ 18 mm

- 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[®]/TM Cable (3 m or less)
 - High-Speed HDMI[®]/TM Cable with Ethernet (3 m or less)



CAUTION

- Do not use any unapproved items to ensure the safety and product life span.
- Any damage or injuries caused by using unapproved items are not covered by the warranty.
- Some models have a thin film attached on to the screen and this must not be removed.
- Do not remove the panel with your fingers or any tools. Doing so may damage the product. (Only UF95**)



- 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 inserted correctly and fastened securely. (If they are not fastened securely enough, the TV may tilt forward after being installed.) Do not use too much force and over tighten the screws; otherwise screw may be damaged and not tighten correctly.

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.

(Depending on model)

AG-F*** Cinema 3D Glasses	AN-MR600 Magic Remote	AG-F***DP Dual Play Glasses
AN-VC550 Smart camera	LG Audio Device	

Maintenance

Cleaning your TV

Clean your TV regularly to keep the best performance and to extend the product lifespan.

- Make sure to turn the power off and disconnect the power cord and all other cables first.
- When the TV is left unattended and unused for a long time, disconnect the power cord from the wall outlet to prevent possible damage from lightning or power surges.

Screen, frame, cabinet and stand

To remove dust or light dirt, wipe the surface with a dry, clean, and soft cloth.

To remove major dirt, wipe the surface with a soft cloth dampened in clean water or a diluted mild detergent. Then wipe immediately with a dry cloth.

- Avoid touching the screen at all times, as this may result in damage to the screen.
- Do not push, rub, or hit the screen surface with your fingernail or a sharp object, as this may result in scratches and image distortions.
- Do not use any chemicals as this may damage the product.
- Do not spray liquid onto the surface. If water enters the TV, it may result in fire, electric shock, or malfunction.

Power cord

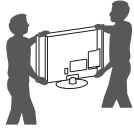
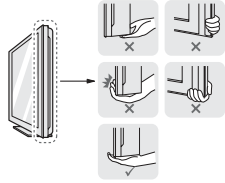
Remove the accumulated dust or dirt on the power cord regularly.

ENGLISH





- Hold the top and bottom of the TV frame firmly. Make sure not to hold the transparent part, speaker, or speaker grill 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.
- When handling the TV, be careful not to damage the protruding joystick button.

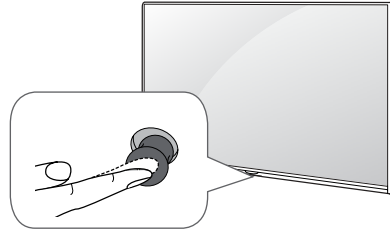
CAUTION

- Avoid touching the screen at all times, as this 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.

Using the joystick button

(Image shown may differ from your TV.)

You can simply operate the TV functions, pressing or moving the joystick button up, down, left or right.



Basic functions

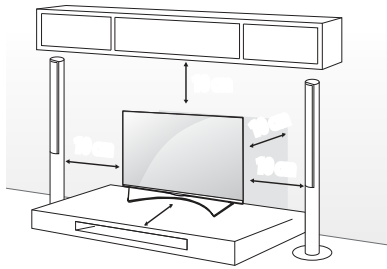
	Power On	When the TV is turned off, place your finger on the joystick button and press it once and release it.
	Power Off	When the TV is turned on, place your finger on the joystick button and press it once for a few seconds and release it. All running apps will close, and any recording in progress will stop.
	Volume Control	If you place your finger over the joystick button and move it left or right, you can adjust the volume level you want.
	Programmes Control	If you place your finger over the joystick button and move it up or down, you can scrolls through the saved programmes you want.

Adjusting the menu

When the TV is turned on, press the joystick button one time. You can adjust the Menu items moving the joystick button up, down, left or right.

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





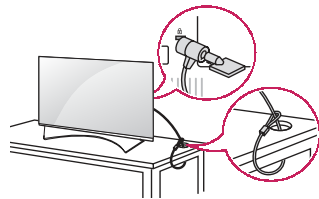
CAUTION

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

Using the kensington security system

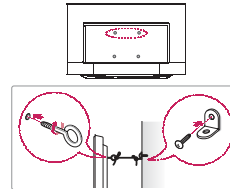
(This feature is not available for all models.)

- 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 or visit <http://www.kensington.com>. Connect the Kensington security system cable between the TV and a table.



Securing the TV to a wall

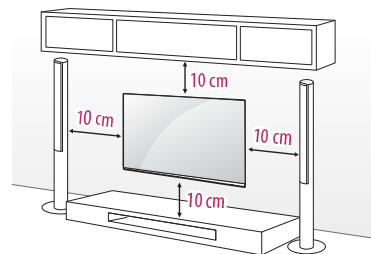
(This feature is not available for all models.)



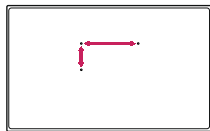
- 1 Insert and tighten the eye-bolts, or TV brackets and bolts on the back of the TV.
 - If there are bolts inserted at the eye-bolts position, remove the bolts first.
- 2 Mount the wall brackets with the bolts to the wall.
Match the location of the wall bracket and the eye-bolts on the rear of the TV.
- 3 Connect the eye-bolts and wall brackets tightly with a sturdy rope. Make sure to keep the rope horizontal with the flat surface.

CAUTION

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

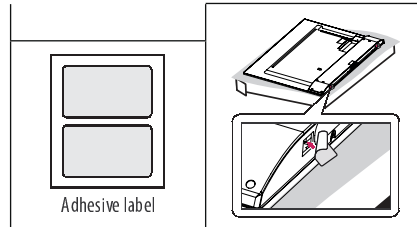


Model	43UF69** 40/43UF77** 40/43UF80**	49UF69** 49/55UF77** 49/55UF80** 49/55UF85** 55UF86** 55UF95** 55UG87**
VESA (A x B)	200 x 200	300 x 300
Standard screw	M6	M6
Number of screws	4	4
Wall mount bracket	LSW240B MSW240	LSW350B MSW240
Model	60/65UF77** 60/65UF80** 60/65UF85** 65UF86** 65UF95** 65UG87**	70UF77** 79UF86**
VESA (A x B)	300 x 300	600 x 400
Standard screw	M6	M8
Number of screws	4	4
Wall mount bracket	LSW350B	LSW640B

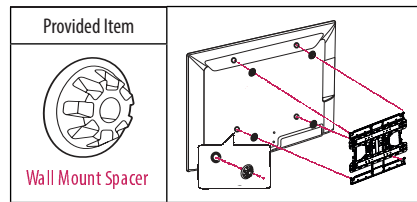


CAUTION

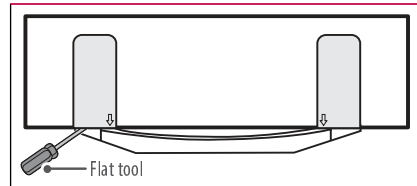
- Disconnect the power first, and then move or install the TV. Otherwise electric shock may occur.
- Remove the stand before installing the TV on a wall mount by performing the stand attachment in reverse.
- If you install the TV on a ceiling or slanted wall, it may fall and result in severe injury. Use an authorised LG wall mount and contact the local dealer or qualified personnel.
- Do not over tighten 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.



- When attaching a wall mounting bracket to the TV, insert the wall mount spacers into the TV wall mount holes to adjust the vertical angle of the TV. (Only when the item of the following form is provided)



- When removing the stand cover, insert a flat tool as shown. (e.g., a flat screwdriver) (Only 79UF86**)





Current input mode \ Output Type	AV1 (TV Out ¹)
Digital TV	Digital TV
Analogue TV, AV	Analogue TV
Component	
HDMI	

¹ TV Out : Outputs Analogue TV or Digital TV signals.

- Any Euro scart cable used must be signal shielded.
- When watching digital TV in 3D imaging mode, only 2D out signals can be output through the SCART cable. (Only 3D models)
- If you use the Time Machine function on digital TV, TV out signals cannot be output through the SCART cable.

CI module Connection

(Depending on model)

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

- 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.

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.

- → → **Picture** → **HDMI ULTRA HD Deep Colour**
 - **On** : Support 4K @ 50/60 Hz (4:4:4, 4:2:2, 4:2:0)
 - **Off** : Support 4K @ 50/60 Hz (4:2:0)

If the device connected to Input Port also supports ULTRA HD Deep Colour, your picture may be clearer. However, if the device doesn't support it, it may not work properly. In that case, connect the device to a different HDMI port or change the TV's **HDMI ULTRA HD Deep Colour** setting to **Off**.

(This feature is available on certain models which are supported ULTRA HD Deep Colour only.)

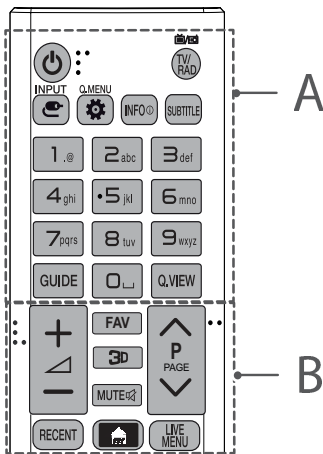


CAUTION

- Do not mix old and new batteries, as this may damage the remote control.
- The remote control will not be included for all sales market.

Make sure to point the remote control toward the remote control sensor on the TV.

(Depending on model)

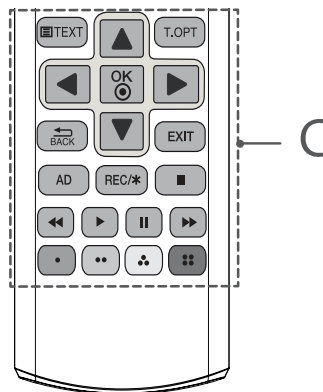


A

- POWER** Turns the TV on or off.
- INPUT** Changes the input source.
- Q. MENU / Q. Settings** Accesses the Quick Settings.
- INFO** Views the information of the current programme and screen.
- SUBTITLE** Recalls your preferred subtitle in digital mode.
- TV/RAD** Selects Radio, TV and DTV programme.
- Number buttons** Enters numbers.
- GUIDE** Shows programme guide.
- [Space]** Opens an empty space on the screen keyboard.
- Q.VIEW** Returns to the previously viewed programme.

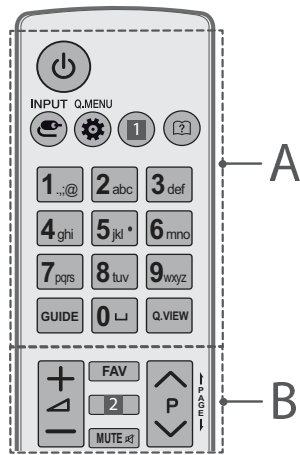
B

- +/-** Adjusts the volume level.
- FAV** Accesses your favourite programme list.
- 3D** Used for viewing 3D video.
- MUTE** Mutes all sounds.
- ^ P v** Scrolls through the saved programmes.
- ^ PAGE v** Moves to the previous or next screen.
- RECENT** Shows the previous history.
- HOME** Accesses the Home menu.
- LIVE MENU** Shows the list of Recommended, Programmes, Search and Recorded. (Depending on model)



C

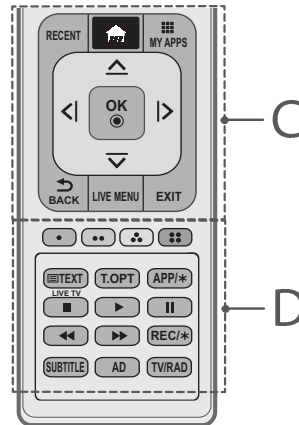
- Teletext buttons (TEXT / T.OPT)** These buttons are used for teletext.
- Navigation buttons (up/down/left/right)** Scrolls through menus or options.
- OK** Selects menus or options and confirms your input.
- BACK** Returns to the previous level.
- EXIT** Clears on-screen displays and returns to TV viewing.
- AD** By Pressing AD button, audio descriptions function will be enabled.
- REC/*** Starts to record and displays record menu. (Only Time Machine^{Ready} supported model) (Depending on model)
- Control buttons (stop, play, pause, fast back, fast forward)** Controls the Premium contents, Time Machine^{Ready} or SmartShare menus or the SIMPLINK compatible devices (USB or SIMPLINK or Time Machine^{Ready}).
- Coloured buttons** These access special functions in some menus. (Red, Green, Yellow, Blue)



- (POWER)** Turns the TV on or off.
- INPUT** Changes the input source.
- Q. MENU / (Q. Settings)** Accesses the Quick Settings.
- INFO** Views the information of the current programme and screen. (Depending on model)
- RATIO** Resizes an image. (Depending on model)
- (User Guide)** Sees user- guide.
- Number buttons** Enters numbers.
- (Space)** Opens an empty space on the screen keyboard.
- GUIDE** Shows programme guide.
- Q.VIEW** Returns to the previously viewed programme.

B

- + / -** Adjusts the volume level.
- FAV** Accesses your favourite programme list.
- 3D** Used for viewing 3D video. (Depending on model)
- INFO** Views the information of the current programme and screen. (Depending on model)
- MUTE** Mutes all sounds.
- ^ / v** Scrolls through the saved programmes.
- PAGE** Moves to the previous or next screen.



C

- RECENT** Shows the previous history.
- (HOME)** Accesses the Home menu.
- MY APPS** Shows the list of Apps.
- 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 level.
- LIVE MENU** Shows the list of Recommended, Programmes, Search and Recorded. (Depending on model)
- EXIT** Clears on-screen displays and returns to TV viewing.

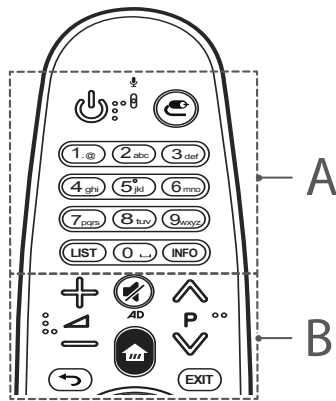
D

- Coloured buttons** These access special functions in some menus. (Red, Green, Yellow, Blue)
- Teletext buttons (TEXT / T.OPT)** These buttons are used for teletext.
- APP/*** Selects the MHP TV menu source. (Depending on model)
- LIVE TV** Returns to LIVE TV.
- Control buttons (Left, Right, Stop, Left, Right)** Controls the Premium contents, Time Machine^{Ready} or SmartShare menus or the SIMPLINK compatible devices (USB or SIMPLINK or Time Machine^{Ready}).
- REC/*** Starts to record and displays record menu. (Only Time Machine^{Ready} supported model) (Depending on model)
- SUBTITLE** Recalls your preferred subtitle in digital mode.
- AD** By Pressing AD button, audio descriptions function will be enabled.
- TV/RAD** Selects Radio, TV and DTV programme.

ENGLISH

CAUTION

- Do not mix old and new batteries, as this may damage the remote control.

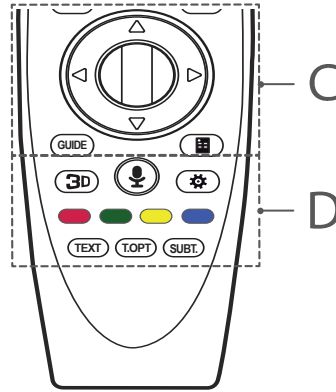


A

- POWER** Turns the TV on or off.
- INPUT** Changes the input source.
- * Pressing and holding the **INPUT** button displays all the lists of external inputs.
- Number buttons** Enters numbers.
- LIST** Accesses the saved programmes list.
- Space** Opens an empty space on the screen keyboard.
- INFO** Views the information of the current programmes and screen.

B

- +** **△** Scrolls through the saved programmes.
- MUTE** Mutes all sounds.
- * By Pressing and holding the **MUTE** button, video/audio descriptions function will be enabled. (Depending on model)
- HOME** Accesses the Home menu.
- BACK** Returns to the previous screen.
- EXIT** Clears on-screen displays and returns to Last Input viewing.



C

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

GUIDE Shows programme guide.

Screen Remote Displays the Screen Remote.

* Accesses the Universal Control Menu. (Depending on model)

D

- 3D** Used for viewing 3D video. (Only 3D models)
- Voice recognition** (Depending on model)
Network connection is required to use the voice recognition function.
 - Press the voice recognition button.
 - Speak when the voice display window appears on the TV screen.
 - Use the Magic Remote no further than 10 cm from your face.
 - The voice recognition may fail when you speak too fast or too slowly.
 - The recognition rate may vary depending on the user's characteristics (voice, pronunciation, intonation, and speed) and the environment (noise and TV volume).
- Q. Settings** Accesses the Quick Settings.
- * Pressing and holding the **Settings** button displays the **Advanced** menu.
- Coloured buttons** These access special functions in some menus. (Red: Red, Green: Green, Yellow: Yellow, Blue: Blue)
- Teletext buttons (TEXT, T.OPT)** These buttons are used for teletext.
- SUBT.** Recalls your preferred subtitle in digital mode.

the remote control. **Wheel (OK)** on

* 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

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 **EXIT** button will let you cancel and re-register Magic Remote at once.

How to use magic remote



- Shake the Magic Remote slightly to the right and left or press **🏠 (HOME)**, **📺 (INPUT)**, **3D** buttons to make the pointer appear on the screen.
(In some TV models, the pointer will appear when you turn the **⏸ (Wheel (OK))** button.)
- If the pointer has not been used for a certain period of time or Magic Remote is placed on a flat surface, then the pointer will disappear.
- If the pointer is not responding smoothly, you can reset the pointer by moving it to the edge of the screen.
- The Magic Remote depletes batteries faster than a normal remote due to the additional features.

Precautions to take when using the magic remote

- Use the remote control within the specified range (within 10 m). You may experience communication failures when using the device outside the coverage area or if there are obstacles within the coverage area.
- You may experience communication failures depending on the accessories.
Devices such as a microwave oven and wireless LAN operate in the same frequency band (2.4 GHz) as the Magic Remote. This may cause communication failures.
- The Magic Remote may not work properly if a wireless router (AP) is within 1 meter of the TV.
Your wireless router should be more than 1 m away from the TV.
- Do not disassemble or heat the battery.
- Do not drop the battery. Avoid extreme shocks to the battery.
- Inserting the battery in the wrong way may result in explosion.

Licenses

Supported licenses may differ by model. For more information about licenses, visit www.lg.com.



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. This offer is valid for three (3) years from the date on which you purchased the product.



Specifications

Wireless module specification

- Because band channel used by the country could be different, the user can not change or adjust the operating frequency and this product is set for the regional frequency table.
- This device should be installed and operated with minimum distance 20 cm between the device and your body. And this phrase is for the general statement for consideration of user environment.



(Only UF69**, UF77**, UF80**, UF85**, UF86**, UF87**)

- Automatic Standby** (Depending on model) / **Sleep Timer / Timer Power Off** 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.
- When connecting to the PC (HDMI), 'No signal' or 'Invalid Format' is displayed.
- Turn the TV off/on using the remote control.
 - Reconnect the HDMI cable.
 - Restart the PC with the TV on.

Wireless module (LGSBW41) specification			
Wireless LAN		Bluetooth	
Standard	IEEE 802.11a/b/g/n	Standard	Bluetooth Version 4.0
Frequency Range	2400 to 2483.5 MHz 5150 to 5250 MHz 5725 to 5850 MHz (for Non EU)	Frequency Range	2400 to 2483.5 MHz
Output Power (Max.)	802.11a: 13 dBm 802.11b: 15 dBm 802.11g: 14 dBm 802.11n - 2.4 GHz: 16 dBm 802.11n - 5 GHz: 16 dBm	Output Power (Max.)	10 dBm or Lower

(Only UF95**)

Wireless module (LGSBW51) specification			
Wireless LAN		Bluetooth	
Standard	IEEE 802.11a/b/g/n/ac	Standard	Bluetooth Version 4.0
Frequency Range	2400 to 2483.5 MHz 5150 to 5250 MHz 5725 to 5850 MHz (for Non EU)	Frequency Range	2400 to 2483.5 MHz
Output Power (Max.)	802.11a: 14.5 dBm 802.11b: 14 dBm 802.11g: 13 dBm 802.11n - 2.4 GHz: 14 dBm 802.11n - 5 GHz: 15.5 dBm 802.11ac - 5 GHz: 16 dBm	Output Power (Max.)	10 dBm or Lower

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 %

	Digital TV	Analogue TV
Television system	DVB-T/T2* DVB-C DVB-S*/S2*	PAL/SECAM B/G/I/D/K, SECAM L/L'
Programme coverage	VHF, UHF, C-Band*, Ku-Band*	VHF: E2 to E12 UHF: E21 to E69 CATV: S1 to S20 HYPER: S21 to S47
Maximum number of storable programmes	6,000	1,500
External antenna impedance	75 Ω	

* Only DVB-T2/C/S/S2 support models.

ENGLISH



Better for the environment...

- High Energy Efficiency
- Reduced CO2 emissions
- Designed to facilitate repair and recycling

... better for you.

ENGLISH

EU Ecolabel : PL/22/004

LGE announced the 'LG Declaration for a Cleaner Environment' in 1994, and this ideal has served as a Guiding managerial principle ever since. The Declaration is a foundation that has allowed us to undertake Environmentally friendly activities in careful consideration of economic, environmental, and social aspects. We promote activities for environmental preservation, and we specifically develop our products to embrace the Concept of environment- friendly through whole process from getting raw materials, production, transportation, usage and end-of-life. These environmental characteristics are endorsed by the award of the European Commission as approval of the product environmental status for energy saving. Facilities for recycling and a host of other features.

The full list of criteria and more information on the eco label can be found at the web-site address : <http://www.ecolabel.eu>

Restriction of Hazardous Substances (Only Ukraine) Обмеження України на наявність небезпечних речовин

- The equipment complies with requirements of the Technical Regulation, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.
- Устаткування відповідає вимогам технічного регламенту щодо обмеженого використання небезпечних речовин в електричному і електронному обладнанні.

Packing Information (Only Russia, Kazakhstan, Belarus)



Русский

Символ «не для пищевой продукции» применяется в соответствии с техническим регламентом Таможенного союза «О безопасности упаковки» 005/2011 и указывает на то, что упаковка данного продукта не предназначена для повторного использования и подлежит утилизации. Упаковку данного продукта запрещается использовать для хранения пищевой продукции.

Қазақша

Символ Көдендік одақтың 005/2011 техникалық регламентіне сәйкес қолданылады және осы өнімнің қаптамасын екінші рет пайдалануға арналмағанын және жоюға жататынын көрсетеді. Осы өнімнің қаптамасын азық-түлік өнімдерін сақтау үшін пайдалануға тыйым салынады.



Русский

Символ «петля Мебиуса» указывает на возможность утилизации упаковки. Символ может быть дополнен обозначением материала упаковки в виде цифрового и/или буквенного обозначения.

Қазақша

Символ қаптаманы жою мүмкіндігін көрсетеді. Символ сандық код және/немесе әріп белгілері түріндегі қаптама материалының белгісімен толықтырылуы мүмкін.



Please contact LG First.

If you have any inquiries or comments, please contact LG customer information centre.

Record the model number and serial number of the TV.
Refer to the label on the back cover and quote this information to your dealer when requiring any service.

MODEL _____

SERIAL _____



LG Customer Information Centre			
Country	LG Service ☎	Country	LG Service ☎
Österreich	0 810 144 131	Nederland	0900 543 5454
België	015 200 255	Norge	800 187 40
Luxembourg	0032 15 200255	Polska	801 54 54 54
България	07001 54 54	Portugal	808 78 54 54
Česká Rep.	810 555 810	România	031 228 3542
Danmark	8088 5758	Slovensko	0850 111 154
Suomi	0800 0 54 54	España	963 05 05 00
France	3220 dites LG ou tapez 54	Sverige	0770 54 54 54
Deutschland	01806 11 54 11 (0,20€ pro Anruf aus dem Festnetz der DTAG; Mobilfunk max. 0,60€ pro Anruf)	Schweiz	0848 543 543
Ελλάδα	801 11 200 900, 210 4800 564	United Kingdom	0344 847 5454
Magyarország	06 40 54 54 54	Россия	8 800 200 7676
Éire	01 686 9454	Eesti	800 9990
Italia	199600099	Украина	0 800 303 000
Беларусь	8 820 0071 1111	Казахстан	8 8000 805 805, 2255(GSM)
Latvija	80200201	Ўзбекистан	8 800 120 2222
Lietuva	880008081	Кыргызстан	0-800-805-8050
Türkiye	444 6 543	Slovenija	080 543 543

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