

* LG LED TV applies LCD screen with LED backlights

OWNER'S MANUAL | Safety and Reference

LED TV*

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

43UP7100ZUF	65UP7560AUD	43UP7670PUC	65UP7670PUC	43UP8000PUA	65UP8000PUA
43UP7560AUD	70UP7070PUE	43UP7700PUB	65UP7700PUA	43UP8000PUR	65UP8000PUR
50UP7100ZUF	70UP7170ZUC	50UP7670PUC	65UP7700PUB	50UP8000PUA	70UP8070PUA
50UP7560AUD	70UP7570AUD	50UP7700PUB	70UP7670PUB	50UP8000PUR	70UP8070PUR
55UP7100ZUF	75UP7070PUD	55UP7670PUC	70UP7770PUB	55UP8000PUA	75UP8070PUA
55UP7560AUD	75UP7170ZUC	55UP7700PUB	75UP7670PUB	55UP8000PUR	75UP8070PUR
65UP7100ZUF	75UP7570AUE	60UP7670PUB	75UP7770PUB	60UP8000PUA	82UP8770PUA
		60UP7700PUB		60UP8000PUR	86UP8770PUA

804106611A

Important Safety Instruction

- · Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- · Clean only with dry cloth.
- 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 grounding-type 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 prov
 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

- 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.

By using this product, you agree that all disputes between you and LG arising out of or relating in any way to this product (including but not limited to warranty disputes) shall be resolved exclusively through binding arbitration on an individual basis. The terms of the arbitration agreement (including details on the procedure for resolving disputes) is available at www.lg.com/us/arbitration (USA) or www.lg.com/ca_en/arbitration

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Before reading this manual

- Read this manual thoroughly before operating your TV, and keep it for future reference.
 On the website you can download the manual including installation, using, troubleshooting, specifications, license etc and view its contents on your PC or mobile device.

For more information about this TV, read the USER GUIDE embedded in the product. - To open the USER GUIDE $\textcircled{\tiny{}}\rightarrow \textcircled{;}\rightarrow$ [Support] \rightarrow [User Guide]

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.
- Magic Remote Control : MR21GA

Check whether your TV model supports Bluetooth in the Wireless Module Specification to verify whether it can be used with the Magic

A cable to connect antennas and external devices must be purchased separately



- · Product specifications or contents of this manual may be changed without prior notice due to upgrade of product
- The items supplied with your product may vary depending upon the model.
- Image shown may differ from your TV.

1 Warning! Safety instructions







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

TV with a three-prong grounded AC plug must be connected to a three-prong grounded AC outlet. Ensure that you connect the earth ground wire to prevent possible

Grounding (Except for devices which are not grounded.)

Never touch this apparatus or antenna during a lightning

. Make sure the power cord is connected securely to the TV and

wall socket if not secured damage to the Plug and socket may occur and in extreme cases a fire may break out.

Do not insert metallic or inflammable objects into the

roduct. If a foreign object is dropped into the product

unplug the power cord and contact the customer service

· If any of the following occur, unplug the product

The product has been damaged.

adanter nower cord or TV)

ately and contact a service center.

If water or another substance enters the product (like an AC

If you smell smoke or other odors coming from the TV

Even the TV is turned off by remote control or button, AC

power source is connected to the unit if not unplugged in

Do not use high voltage electrical equipment near the TV

(e.g., a bug zapper). This may result in product malfunction

Do not attempt to modify this product in any way without

written authorization from LG Electronics Accidental fire or electric shock can occur. Contact your local customer serv

for service or repair. Unauthorized modification could void the

Use only an authorized attachments / accessories approved

by LG Electronics. Otherwise, this may result in fire, electric

Handle the adapter carefully to avoid dropping or striking it.

To reduce the risk of fire or electrical shock, do not touch

the TV with wet hands. If the power cord prongs are wet or

ered with dust, dry the power plug completely or wipe

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

Do not short circuit, disassemble, or allow the batte to overheat. Do not dispose of batteries in a fire. Batteries should not be exposed to excessive heat.

user's authority to operate this product.

shock, malfunction, or product damage. Never disassemble the AC adapter or power cord. This may

An impact could damage the adapter

the reach of children

When lightning storms or when unused for long periods

· Do not touch the end of the power cord while it is plugged in.

the National Electrical Code, ANSI/NFPA 70

electric shock.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED

The symbol is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature

WARNING: TO REDUCE THE RISK OF FIRE AND FLECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE Section 810 of the National Electrical Code (NEC) in

TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OTHER ITEMS WITH OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.

- Do not place the TV and/or remote control in the following environments:
- Keep the product away from direct sunlight.
- An area with high humidity such as a bathroom Near any heat source such as stoves and other devices that
- produce heat. Near kitchen counters or humidifiers where they can easily
- be exposed to steam or oil.
- An area exposed to rain or wind.
- Do not expose to dripping or splashing and do not place over the annaratus (e.g., on shelves above the unit).
- Near flammable objects such as gasoline or candles, or expose the TV to direct air conditioning.
- Do not install in excessively dusty places
- Otherwise, this may result in fire, electric shock, combustion/ explosion, malfunction or product deformation
- Install your TV where there is proper ventilation. Do not
- install in a confined space such as a bookcase. Do not install the product on a carpet or cushion Do not block or cover the product with cloth or other
- materials while unit is plugged in. Take care not to touch the ventilation openings. When watching the TV for a long period, the ventilation openings
- · Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pav particular attention to plugs, wall outlets,
- and the point where the cord exits the device • Do not move the TV whilst the Power cord is plugged in
- Do not use a damaged or loosely fitting power cord.
- . Be sure to grasp the plug when unplugging the power cord. Do not pull on the power cord to unplug the TV
- Disconnecting the Device from the Main Power The power plug is the disconnecting device. In case of an
- emergency, the power plug must remain readily accessible. · Do not let your children climb or cling onto the TV. Otherwise,
- the TV may fall over, which may cause serious injury.
- . Outdoor Antenna Grounding (Can differ by country): If an outdoor antenna is installed, follow the precautions below. An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits as death or serious injury can occur. Be sure the antenna system is grounded to provide some protection against voltage surges and built-up static

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

It is recommended to move the TV in the box or packing material that the TV originally came in.

- 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: Risk of fire or explosion if the battery is replaced

Moving
 When moving, make sure the product is turned off, unphugged, and laches have been removed. It may take 2 or more people to carry larger IVs. Do not press or put

Keep the packing anti-moisture material or vinyl packing out

Do not allow an impact shock, any objects to fall into the

Lifting and moving the TV

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.

product, and do not drop anything onto the screen.

2 Preparing

result in product damage, fire hazard or injury.

of the reach of children.



. 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

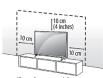
When moving or lifting the TV, read the following to prevent the TV from being scratched or damaged and for safe transportation regardless of its type and size.

· 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

Mounting on the Table

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

 Leave a minimum of 10 cm (4 inches) space from the wall for prope ventilation.
- 2 Connect the power cord to a wall outlet.



Do not press strongly upon the panel with a hand or a sharp

Cleaning

object such as a nail, pencil, or pen, or make a scratch on it. It may cause damage to screen.

When cleaning, unplug the power cord and wipe gently with a soft/dry cloth. Do not spray water or other liquids directly on the TV. Do not clean your TV with chemicals

insecticide, lubricants, wax (car, industrial), abrasive, thinner, benzene, alcohol etc., which can damage the product and/or its panel. Otherwise, this may result in

including glass cleaner, any type of air freshener.

electric shock or product damage.



- Do not apply foreign substances (oils, lubricants, etc.) to the screw parts when assembling the product.
 (Doing so may damage the product.)

 - If you install the TV on a stand, you need to take actions to prevent the product from overturning. Otherwise, the product may fall over,
 - Do not use any unapproved items to ensure the safety and product life span.
 - $\bullet \ \ \text{Any damage or injuries caused by using unapproved items are not covered by the warranty}.$
 - Make sure that the screws are fastened tightly. (If they are not fastened securely enough, the TV may tilt forward after being installed.)
 - Do not fasten the screws with excessive force otherwise they may strip and become loose.

Securing TV to the Wall

- $1 \hspace{0.1in}$ 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. - III where are works inserted at the eye-borts position, remove the bolts first.

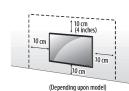
 Mount the wall brackets with the bolts to the wall. Match the location of the wall bracket and the eye-bolts on the rear of the TV.
- 3 Connect the eye-bolts and wall brackets tightly with a sturdy rope. Make sure to keep the rope
- Use a platform or cabinet that is strong and large enough to support the TV securely. Brackets, bolts and ropes are not provided. You can obtain additional accessories from your local

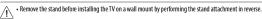


(Depending upon model)

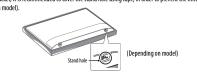
Mounting to the Wall

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





- · For more information of screws and wall mount bracket, refer to the Separate purchase.
- If you intend to mount the product to a wall, attach VESA standard mounting interface (optional parts) to the back of the product When you install the set to use the wall mounting bracket (optional parts), fix it carefully so as not to drop. $\bullet \ When \ mounting \ a \ TV \ on \ the \ wall, \ make \ sure \ not \ to \ install \ the \ TV \ by \ hanging \ the \ power \ and \ signal \ cables \ on \ the \ back \ of \ the \ TV.$
- Do not install this product on a wall if it could be exposed to oil or oil mist. This may damage the product and cause it to fall. • When installing the wall mounting bracket, it is recommended to cover the stand hole using tape, in order to prevent the influx



Wall Mounting Bracket

(Depending upon model) Make sure to use screws and wall mount bracket that meet the VESA standard. Standard dimensions for the wall mount kits are described in the following table.



1	2
2	
M6	M6
200	300
43/50UP80*	55/60/65UP80*
43/50UP77*	55/60/65UP77*
43/50UP76*	55/60/65UP76*
	43/50UP77* 43/50UP80* 200



	43/50UP71*	55UP71*	65UP71*		70/75UP70*
	43/50UP75*	55UP75*	65UP75*	70/75UP76*	70/75UP70 70/75UP71*
Model	43/50UP76*	55UP76*	60/65UP76*	70/75UP77*	70/75UP71**
	43/50UP77*	55UP77*	60/6SUP77*	70/75UP80*	82/86UP87*
	43/50UP80*	55UP80*	60/65UP80*		02/00UF0/
VESA (A x B) (mm)	200 x 200	300 x 300	300 x 300	400 x 400	600 x 400
Standard screw	M6	M6	M6	M6	M8
Number of screws	4	4	4	4	4
Wall mount bracket	LSW240B	OLW480B	0LW4808	LSW440B	LSW640B
	MSW240	MSW240			

Antenna/Cable

Connect an antenna, cable, or cable box to watch TV while referring to the following. The illustrations may differ from the actual



- 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. Use a signal splitter to use 2 TVs or more.
- · DTV Audio Supported Codec: MPEG, Dolby Digital
- This TV cannot receive Ultra HD (3840 x 2160 pixels) broadcasts directly because the related standards have not been confirmed.

3 Starting TV

Turning on the TV

You can simply operate the TV functions, using the button



Using button

Note



Adjusting the menu

- 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.

• When the TV is turned on for the first time after being shipped from the factory, initialization of the TV may take

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



 Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual. The available menus and options may differ from the input source or product model that you are using.

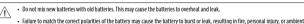
> • New features may be added to this TV in the future. • The device must be easily accessed to a location outlet near the access. Some devices are not made by turning on / off

button, turning off the device and unplugging the power cord. Inserting the battery (bateries not supplied)

 When the message [Magic Remote battery is low. Please change the battery.] is displayed, replace the batteries To Install batteries, open the battery cover, replace batteries (1.5 V AA) matching the
and ends to the label inside the compartment, and close the battery cover. Be sure to point
the magic remote toward the remote control sensor on the TV. 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.



To install batteries, open the battery cover, replace batteries (1.5 V AAA) matching the \bigoplus and \bigcirc ends to the label inside the compartment, and close the battery cover. To remove the batteries, perform the installation actions in reverse. This remote uses infrared light. When in use, it should be pointed in the direction of the TV's remote sensor.



- 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.
- Batteries inside or inside the product shall not be exposed to excessive heat such as sunshine, fire or the like.

Registering Magic Remote Control

2 Point the Magic Remote at your TV and press the Wheel (OK) on the remote control

How to deregister the Magic Remote Control

How to register the Magic Remote Control

To use the Magic Remote, first pair it with your TV. 1 Put batteries into the Magic Remote and turn the TV on

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

Press the (() (Back) and (() (Home) buttons at the same time, for five seconds, to unpair the Magic Remote with your TV. Press and hold the (a) (Home) and (a) (Q.Settings) buttons for more than 5 seconds to disconnect and re-register the Magic Remote at the

It is recommended that an Access Point (AP) be located more than 0.2 m (0.65 ft) away from the TV. If the AP is installed closer than 0.2 m (0.65 ft), the Magic remote control may not perform as expected due to frequency interference.

4 Using Remote Control

Using Magic 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.

Power Turns the TV on or off. 73 — (Dash) Inserts a — between numbers such as 2-1 and 2-2. Accesses the saved channel list.

Accesses the [Guide]

GUIDE"

\$

Accesses the [Edit Quick Access].

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

(a) Home Accesses the Home menu. (A)" @ Input Changes the input source.

Wheel (OK) Press the center of ○ button to select a menu. You can change channels by using ○ button. Wheel (OK) Accesses the [Magic Explorer] O" Wheel (OK) Accesses the [Magic Explorer]. You can run the [Magic Explorer] feature when the pointer color is changed to purple. If watching a program, press and hold down the pointer onto the video. When using [TV Guide]. [Settings], [Sports Alert], or [Art Callers]. press and hold dwo, on the total



Microphone

d:

1 2 3

4 3 6

control functions.

SAP (Secondary Audio Program) feature can also be enabled by pressing the • • • button. **Mute** Mutes all sounds. Mute Accesses the [Accessibility] menu. Voice recognition Network connection is required to use the voice recognition function. Check for recommended content. (Some available in some countries.)

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

Up/Down/Left/Right Press the up, down left or right hutton to scroll the 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. **Q. Settings** Accesses the Quick Settings.

Number buttons Enters numbers.

More actions Displays more remote

Accesses the [Quick Help].

Q. Settings Displays the [All Settings] Back Clears on-screen displays and

> These access special functions in some Red button Runs the record function.

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











Streaming Service buttons Connects to the Video Streaming Service.

returns to last input viewing.



Using 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.

(1) Power Turns the TV on or off Dash Inserts a - between numbers such as 2-1 and 2-2. **一/靈** (U); Accesses the saved channel ONFO SAP 8 1 2 3 4 5 6 Displays the program event according to time scheduler. GUIDS Shows information on the current (Dawro) program. Recalls your preferred subtitle in digital mode.
Enables SAP (Secondary Audio Program) Feature.
Accesses the [Edit Quick Access]. SAP [Edit Quick Access] is a feature that allows you to enter a specified app or Live TV directly by pressing and holding the number buttons. Volume buttons Adjusts the ł volume level. **Channel buttons** Scrolls through \otimes Home Accesses the Home menu.. Home Launches the last used Input Changes the input source 0 **OK** Selects menus or options and on Serects Hierus or options and confirms your input.

OK Accesses the [Magic Explorer].

When using [TV Guide], [Settings],
[Sports Alert], or [Art Gallery], <u></u>

-/30 0 ···· ⑸ Q D [44] ₽ DD

Back Returns to the previous screen Search Check for recommended content. ::

9"

(A)

(e) ...

8 9

Accesses the [Quick Help].

Mute Mutes all sounds

More actions Displays more remote

Mute Accesses the [Accessibility] menu Navigation button (up / down / left / right) Scrolls through menus or options.

Q. Settings Accesses the Quick Settings

Shows the search mode. You can watch TV or LG Channels. Clears on-screen displays and returns to last input viewing.

Control buttons Control buttons for These access special functions in some •

Starts to record. (Only Time Machine Ready supported model)

Streaming Service buttons Connects to the Video Streaming Service. 1 (Some buttons and services may not be provided depending upon models or regions.)

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

5 Connections

You can connect various external devices to the TV. For more information on external device's connection, refer to the manual provided with each device. Connect your TV to external devices. For the best picture and audio quality, connect the external device and the TV with the HDMI cable.

 $\bullet \ \ When connecting the HDMI cable, the product and external devices should be turned off and unplugged.$ HDMI IN HDMI IN eARC/ARC - HDMI Audio Supported Format: (Depending upon model) True HD (48 kHz), Dolby Digital / Dolby Digital Plus (32 kHz / 44.1 kHz / 48 kHz). If the device connected to Input Port also supports HDMI Deep Color, your picture may be clearer. However, if the Note
$$\begin{split} & \text{device doesn't support it, it may not work properly. In that case, change the TVS [HDMI Deep Color] setting to off.} \\ & \cdot \textcircled{\$} \rightarrow \textcircled{!} \rightarrow \texttt{[General]} \rightarrow \texttt{[Devices]} \rightarrow \texttt{[HDMI Settings]} \rightarrow \texttt{[HDMI Deep Color]} \end{split}$$
- On: Support 4K @ 50 / 60 Hz (4:4:4, 4:2:2, 4:2:0) - Off: Support 4K @ 50 / 60 Hz (4:2:0) (For 82/86UP87*) On: Support 4K @ 50 / 60 Hz (4:4:4, 4:2:2, 4:2:0), <3,4 port 0 nly> 4 K @ 100 / 120 Hz (4.4:4, 4:2:2, 4:2:0)
- Off: Support 4 K @ 50 / 60 Hz (4:2:0)
- This feature is available only on certain models which support HDMI Ultra HD Deep Color. . 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 (9.84 feet) or less)
 Ultra High Speed HDMI[®]/™ cable • For an optimal connection, HDMI cables and USB devices should have bezels less than 8 mm (0.31 inches) thick, Note 18 mm (0.7 inches) width and 8 mm (0.31 inches) a wire diameter. (Depending upon model 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 * A ≤ 8 mm (0.31 inches) * B ≤ 18 mm (0.7 inches)

External Devices

Supported external devices are: Blu-ray player, HD receivers, DVD players, VCRs, audio systems, USB storage devices, PC, gaming devices, and other external devices. For more information on external device's connection, refer to the manual provided with each device

Note

If you record a TV program on a Blu-ray/DVD recorder or VCR, make sure to connect the TV signal input cable

* C ≤ 8 mm (0.31 inches)

- 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.
- When connecting via a wired LAN, it is recommended to use a CAT 7 cable.
- The TV may be capable of operating without a set-top-box from a multichannel video programming
- Remote RS-232C

To obtain the RS-232C external control setup information, please visit www.lg.com. Download and read the setup

 \triangle

- 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. 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.

External Devices

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RS-232C setup

 \triangle

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- 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.

6 Troubleshooting

Cannot control the	 Check if anything such as tape has been placed over the receiver. 			
TV with the remote	 Check if there is any obstacle between the product and the remote control. 			
control.	Replace the batteries with new fresh ones.			
No image display and	Check if the product is turned on.			
no sound is produced.	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	Check the power control settings. The power supply may be interrupted.			
suddenly.	Check if the auto-off function is activated in the settings menu.			
	 If there is no signal while the TV is on, the TV will turn off automatically after 15 minutes of inactivity. 			
Abnormal Display	 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. 			
	 This panel is an advanced product that contains millions of pixels. In a very few cases, you could see fine dots on the screen while you're viewing the IV. Those dots are deactivated pixels and do not affect the performance and reliability of the IV. 			
	 Displaying a still image for a prolonged period of time may cause an image sticking. Avoid displaying a fixed image on the TV screen for a extended length of time. 			
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. 			

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, (Depending upon model).

- · 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.

7 Specifications

Product specifications may be changed without prior notice due to upgrade of product functions. Estimated yearly energy consumption indicated on the FTC label is measured in accordance with the Test Procedures for Television Sets (USA only). The actual energy consumption depends on the usage environment (The content watched, TV settings, etc.).

- For information of the power supply and power consumption, refer to the label attached to the product.
- The typical power consumption is measured in accordance with IEC 2007 or each country's energy regulations

 On some models, the label is inside the external device connection terminal cover.
- Depending upon the model or country, the typical power consumption may not be on label

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

(For 82/86UP87*)

Output Power (Max.)	
Output Power (Max.)	
18.5 dBm	
18 dBm	
18 dBm	
Output power(Max.)	
9 dBm	

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

FCC ID: BEJLGSBWAC95 / IC: 2703H-LGSBWAC95

(For 70/75UP70*, 70/75UP71*, 70/75UP75*)

Wireless module(LGSBWAC02)Specifications
Wireless LAN	(IEEE 802.11a/b/g/n/ac)
Frequency range	Output Power (Max.)
2,400 to 2,483.5 MHz	18.5 dBm
5,150 to 5,725 MHz	17 dBm
5,725 to 5,850 MHz	18.5 dBm
	Bluetooth
Frequency range	Output power(Max.)
2,400 to 2,483.5 MHz	8.5 dBm

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

FCC ID: BEJLGSBWAC02 / IC: 2703H-LGSBWAC02

(Except for 82/86(IP87* 70/75(IP70* 70/75(IP71* 70/75(IP75*)

Wireless module(LGSB)	WACO3)Specifications
Wireless LAN (IEEE 8	02.11a/b/g/n/ac)
Frequency range	Output Power (Max.)
2,400 to 2,483.5 MHz	20 dBm
5,150 to 5,725 MHz	18.5 dBm
5,725 to 5,850 MHz	18 dBm
Blueto	oth
Frequency range	Output power(Max.)
2,400 to 2,483.5 MHz	9 dBm

ideration of the user, this device should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the device and FCC ID: BEJLGSBWAC03 / IC: 2703H-LGSBWAC03

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 %			

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

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

Licenses



OUICKSET



8 Regulatory

FCC NOTICE

(For USA)

(for USA)
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Reorient or relocate the receiving antenna.
Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device compiles with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compiliance could void the user's authority to operate the equipment.

FCC Radio Frequency Interference Requirements (for UNII devices)

High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this device. This device cannot be co-located with any other transmitter.

FCC RF Radiation Exposure Statement

For having wireless function (WLAN, Bluetooth,...))

This equipment compiles with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20 cm (7.8 inches) between the antenna and your body. Users must follow the specific operating instructions for satisfying RF exposure compiliance.

Industry Canada Statement

(For Canada)

(For having wireless function (WLAN, Bluetooth,...))

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

IC Radiation Exposure Statement (For having wireless function (WLAN, Bluetooth,...))

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm (7.8 inches) between the antenna & your body.

NOTE THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TY INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

RSS-247 Requirement

(For Canada) (For product having the wireless function using 5 GHz frequency bands)

- (1) The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to
- co-channel mobile satellite systems;
- (2) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5259-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit:

 (3) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; and
- (4) (For devices operating in the band 5250-5350 MHz having an e.i.r.p. greater than 200 mW) Antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement se in section 6.2.2.3 of RSS-247 shall be clearly indicated.

Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

NOTE TO CABLE/TV INSTALLER

(For USA and Canada)

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

WARNING! (STABILITY HAZARD)

A television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions

- as:

 ALWAYS use cabinets or stands or mounting methods recommended by the manufacturer of the television set.

 ALWAYS use furniture that can safely support the television set.

 ALWAYS use furniture that can safely support the television set.

 ALWAYS resure the television set is not overhanging the edge of the supporting furniture.

 ALWAYS educate children about the dangers of climbing on furniture to reach the television set or its controls.

 ALWAYS route coads and cables connected to your television so they cannot be tripped over, pulled or grabbed.

 NEVER place a television set in an unstable location.

 NEVER place the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable valuor.
- set to a suitable support.
- NEVER place the television set on cloth or other materials that may be located between the television set and supporting furniture NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the television or furniture on which the television is placed.

If the existing television set is going to be retained and relocated, the same considerations as above should be applied. Symbols

		Т		
~	Refers to alternating current (AC).		Ф	Refers to stand-by.
	Refers to direct current (DC).	İ	I	Refers to "ON" (power).
	Refers to class II equipment.	I	4	Refers to dangerous voltage.

REFURBISHED PRODUCT LIMITED NINETY DAYS WARRANTY

The Refurbished Product Service Center offers the following WARRANTY to the ORIGINAL purchaser of a

This product that has been refurbished is warranted against any electronic or mechanical defects for a period of NINETY DAYS from the date of the original purchase by the consumer. Since this unit was sold as a refurbished them, the warranty does not apply to any cosmetic appearance items such as scratches. Should a defect occur, the **Refurbished Product Service Center** will repair or, at its option, replace defective unit/parts with new or rebuilt naterials without charge for either parts or labor. Replacement unit/parts will be warranted for the remaining portion of the original warranty period.

This warranty does not cover installation or damage from accident, misuse, abuse, improper wiring, incorrect voltage, operating the unit against the instructions in the owner's manual or any product which has been opened, altered,

This warranty does not cover costs for removal and or installation of the unit for repair. Under no circumstances shall the service center be liable for any special, incidental or consequential damages or for any other expenses incurred by reason of use or sale of this product. This warranty is in lieu of any other warranties expressed or implied warranty of merchantability of fitness for particular use or other

This warranty gives the consumer specific legal rights and they may also have other rights which vary from State to State. Some States do not follow the exclusion or limitation of incidental or consequential damages, hence the above exclusion and limitations may not apply

> Refurbished Product Service Center 13225 Marquardt Avenue Santa Fe Springs, CA 90670.

WARRANTY REPAIR INFORMATION

If you need service on your unit and this product requires repair during the 90 days warranty period; please go to www.ConsumerServiceRefurbish.com or call the Refurbished Product Service Center at 562-946-3531 to obtain the required return authorization (RA) number. Pack the unit properly (the original carton is ideal for this purpose) along with a copy of your purchase receipt and a letter describing the problem. Send the unit freight prepaid and insured to:

Refurbished Product Service Center,
Att: Customer Service Department 13225 Marquardt Avenue Santa Fe Springs, CA 90670
Your unit will be promptly repaired and returned to you.

We will refuse to accept delivery of the returned unit unless the assigned RA number appears on the outside Owner's Information

(Keep for your permanent records)

TAB / Elbrd:J.E.

___ STATE: _____ ZIP CODE: ____ MODEL:_ _ SERIAL NO.: _

PRINTED IN MEXICO OBPN: *MFL717528322106-REV03* SC: 28-10-2021 804106611A SHNMDL:43UP7560AUD_B

NAME:









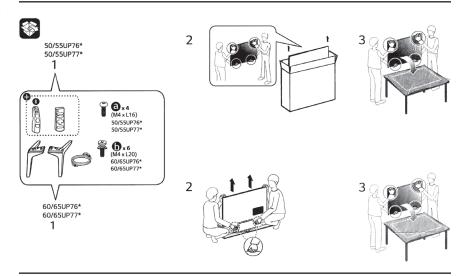


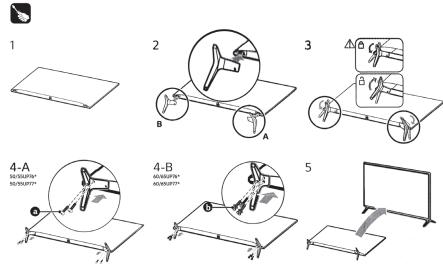
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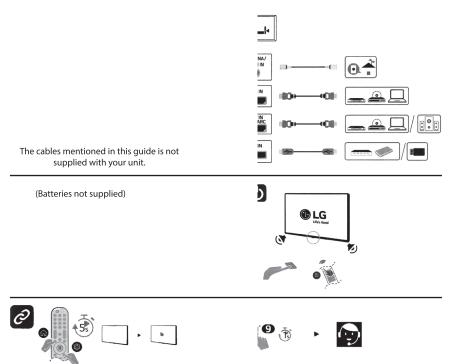
 55UP7670PUC
 60UP7700PUB
 65UP7700PUB

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





Note: The image shown here is for illustrative purposes only and may be subject to change. The actual number of ports and their locations may vary depending on the model.



The remote control vary depend of model: The buttons on the remote control may have a different name or location than the remote control shows in this manual.



Read Safety and Reference. Easy Setup Guide

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



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