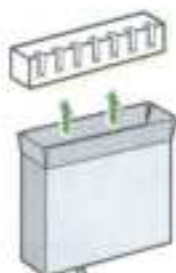


50QNED80AQA	50QNED80UQA
55QNED80AQA	55QNED80UQA
65QNED80AQA	65QNED80UQA



50QNEB80\*  
55QNEB80\*

1



2



3



65QNEB80\*

1



2



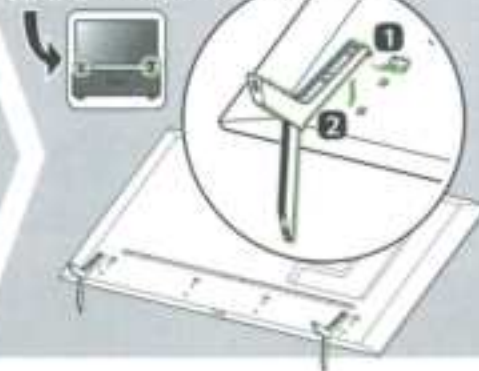
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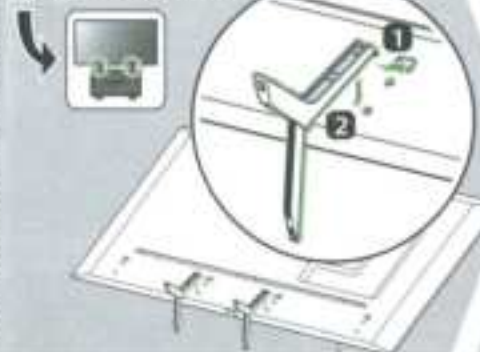
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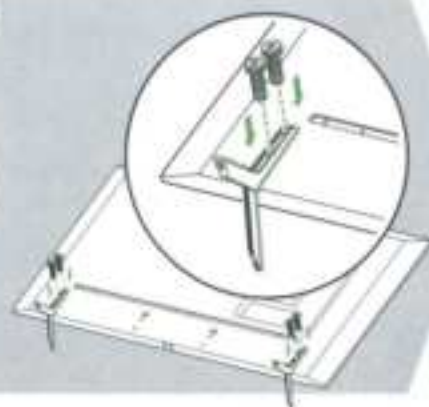
2-A 50/55/65QNED80\*



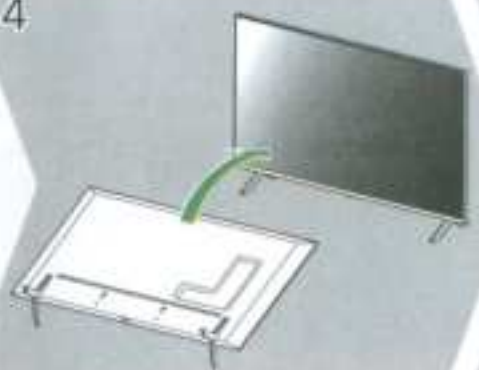
2-B 65QNED80\*



3



4



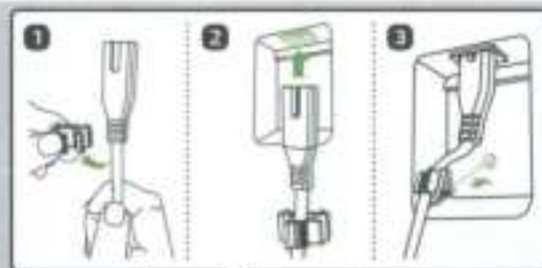
5-A 50QNED80\*



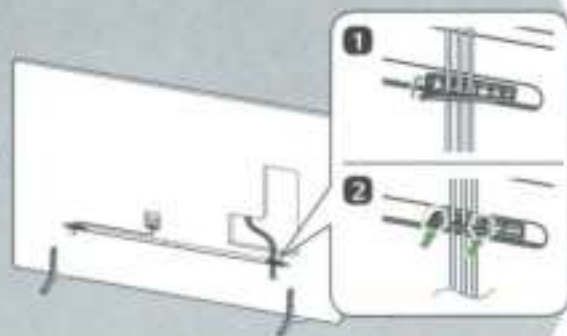
5-B 55/65QNED80\*



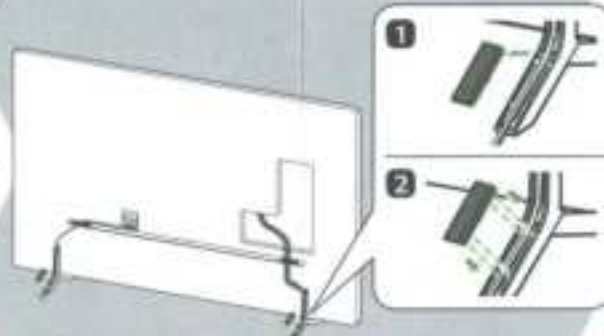
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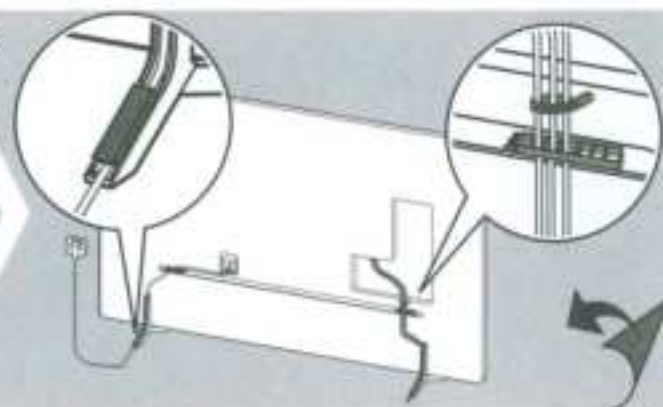
7



8



9





[www.lg.com/us/support](http://www.lg.com/us/support)

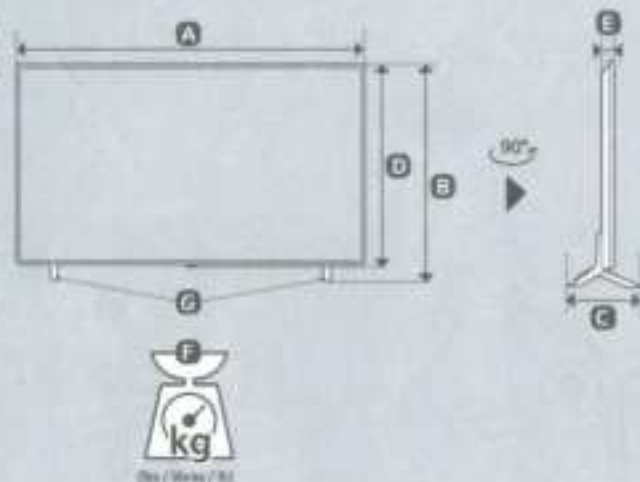
**ENGLISH**  
Easy TV Connect Guide  
(Animation)

**ESPAÑOL**  
Guía Rápida de Conexión del  
televisor  
(Sólo en Inglés)

**FRANÇAIS**  
Guide simplifié pour la con-  
nexion du téléviseur (Offert  
en anglais seulement)





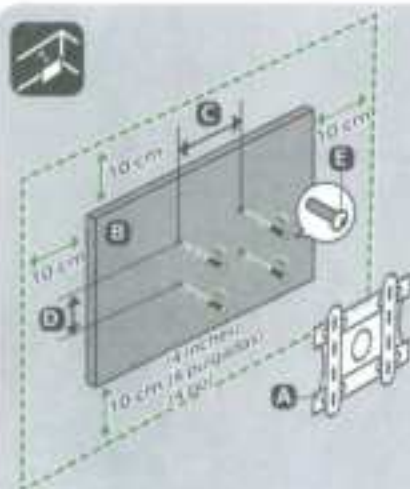


A B C D E : mm (inches / pulgadas / po)  
F G : kg (lbs / libras / lb)

MODELS MODELOS MODÈLES	A		B		C		D		E		F		F G		Power consumption: Consumo de potencia Consommation électrique
	A		B		C		D		E		F		F G		
	A		B		C		D		E		F		F G		
	A		B		C		D		E		F		F G		
50QNEB80A 50QNEB80UA	1,120 (44)	1,120 (44)	718 (28.2)	718 (28.2)	257 (10.1)	257 (10.1)	853 (33.7)	853 (33.7)	49.2 (1.9)	49.2 (1.9)	14.4 (31.7)	14.4 (31.7)	14.0 (30.8)	14.0 (30.8)	135 W
55QNEB80A 55QNEB80UA	1,233 (48.5)	1,233 (48.5)	781 (30.7)	781 (30.7)	257 (10.1)	257 (10.1)	716 (28.1)	716 (28.1)	44.2 (1.7)	44.2 (1.7)	18.7 (36.8)	16.7 (35.9)	16.3 (35.3)	16.3 (35.0)	185 W
65QNEB80A 65QNEB80UA	1,452 (57.1)	1,452 (57.1)	906 (35.6)	906 (35.6)	295 (11.6)	295 (11.6)	839 (33)	839 (33)	44.3 (1.7)	44.3 (1.7)	24.9 (54.8)	24.9 (54.8)	24.5 (54.0)	24.5 (54.0)	200 W
Power requirement / Alimentación requerida / Alimentation										AC 120 v - 50 / 60 Hz					

Power requirement / Alimentación requerida / Alimentation

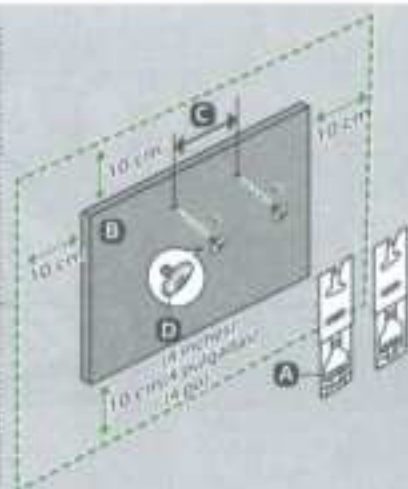
AC 120 V - 50 / 60 Hz



C D : mm (inches / pulgadas / po)

A	B	C = D	E
LSW240B MSW240	50QNEB80*	200 (7.8) x 200 (7.8)	M6
OLW480B MSW240	55QNEB80*	300 (11.8) x 300 (11.8)	M6
OLW480B	65QNEB80*	300 (11.8) x 300 (11.8)	M6

E : mm (inches / pulgadas / po)



A	B	C	D
WB21LMB	50QNEB80*	200 (7.8)	M6
WB21LMB	55/65QNEB80*	300 (11.8)	M6



**ENGLISH** Read Safety and Reference.  
**ESPAÑOL** Leer Seguridad y Consultas.  
**FRANÇAIS** Lisez Sécurité et références

⊕ : Depending upon model / Según el modelo / Selon le modèle

**ENGLISH**  
**Easy Setup Guide**

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

**ESPAÑOL**  
**Guía Rápida de Configuración**

Lee atentamente este manual antes de poner en marcha el equipo y consérvelo para futuras consultas.

**FRANÇAIS**  
**Guide de configuration rapide**

Avant d'utiliser l'appareil, veuillez lire attentivement ce manuel et le conserver pour pouvoir vous y reporter ultérieurement.



ENGLISH

# LED TV\*

## OWNER'S MANUAL

Safety and Reference

\* LG LED TV applies LCD screen with LED backlights.

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

50QNE080AQA 65QNE080AQA 75QNE080AQA 86QNE080AQA  
50QNE080UQA 65QNE080UQA 75QNE080UQA 86QNE080UQA  
55QNE080AQA 65QNE085AQA 75QNE085AQA 86QNE085AQA  
55QNE080UQA 65QNE085UQA 75QNE085UQA 86QNE085UQA  
55QNE085AQA 65QNE090UQA 75QNE090UQA 86QNE090UQA  
55QNE085UQA 65QNE090UQA 75QNE090UQA 86QNE090UQA

43NANO775UQA 55NANO775UQA 65NANO80AQA 75NANO80AQA  
50NANO75UQA 55NANO80AQA 70NANO75UQA 86NANO75UQA  
50NANO80AQA 65NANO75UQA 75NANO75UQA

43UQ7070ZUJ 50UQ8000AUB 65UQ7070ZUN 70UQ9000PUJ  
43UQ7070ZUM 50UQ8000AUK 65UQ7570PUA 75UQ7070ZUJ  
43UQ7590PUB 50UQ9000PUJ 65UQ7570PUJ 75UQ7070ZUM  
43UQ7590PUK 55UQ7070ZUE 65UQ7590PUB 75UQ7590PUB  
43UQ8000AUB 55UQ7070ZUN 65UQ7590PUK 75UQ7590PUK  
43UQ8000AUK 55UQ7570PUA 65UQ8000AUB 75UQ8000AUB  
43UQ9000PUJ 55UQ7570PUJ 65UQ8000AUK 75UQ8000AUK  
50UQ7070ZUE 55UQ7590PUB 65UQ9000PUJ 75UQ9000PUJ  
50UQ7070ZUN 55UQ7590PUK 70UQ7070ZUJ 86UQ7070ZUJ  
50UQ7500PUA 55UQ8000AUB 70UQ7070ZUM 86UQ7590ZUJ  
50UQ7570PUA 55UQ8000AUK 70UQ7590PUB 86UQ8000AUB  
50UQ7570PUJ 55UQ9000PUA 70UQ7590PUK 86UQ9000PUJ  
50UQ7590PUB 55UQ9000PUJ 70UQ8000AUB  
50UQ7590PUK 65UQ7070ZUE 70UQ8000AUK

The model and serial number of the product are  
located on the back and on one side of the product.  
Record them below in case you ever need service.

Model

Serial No.



\* M F L 7 . 1 8 4 6 4 3 2 2 2 0 1 R E V 0 0 \*

[www.lg.com](http://www.lg.com)

Printed in Mexico

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### Supplier's Declaration of Conformity

Trade Name: LG  
Responsible Party: LG Electronics USA, Inc.  
Address: 111 Sylvan Avenue,  
North Building,  
Englewood Cliffs,  
NJ 07632  
E-mail: [lg.environmental@lge.com](mailto:lg.environmental@lge.com)

### LG Customer Information Center

For inquiries or comments, visit [www.lg.com](http://www.lg.com) or call:

1-800-243-0000 USA, Consumer User  
1-888-865-3026 USA, Commercial User  
1-888-542-2623 CANADA

Register your product Online!

[www.lg.com](http://www.lg.com)

# Important Safety Instruction

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all 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 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 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.

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](http://www.lg.com/us/arbitration) (USA) or [www.lg.com/ca\\_en/arbitration](http://www.lg.com/ca_en/arbitration) (Canada).

## 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.
- **User Guide** : For more information about this TV, read the USER GUIDE embedded in the product. (Depending upon model)
  - To open the USER GUIDE (⊙) → (⊙) → [Support] → [User Guide]

## Optional Extras

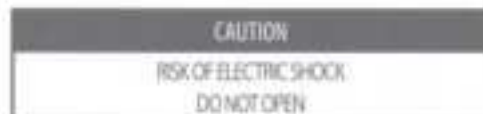
- Optional extras can be changed or modified for quality improvement without any notification. Contact your dealer for buying these items. These devices work only with certain models.
- The model name or design may be changed due to the manufacturer's circumstances or policies.
- **Magic Remote Control** :  
Check whether your TV model supports Bluetooth in the Wireless Module Specification to verify whether it can be used with the Magic Remote.
- A cable to connect antennas and external devices must be purchased separately.

### Note

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




## Warning! Safety instructions



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

 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 accompanying the device.

WARNING: TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

- 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 objects filled with liquids, such as vases, cups, etc. on or over the apparatus (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.

- **Ventilation**

- 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 may become hot.
- 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 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.

- Do not connect too many devices to the same AC power outlet as this could result in fire or electric shock.

- **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 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

- Never touch this apparatus or antenna during a lightning storm. You may be electrocuted.
- 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 product. If a foreign object is dropped into the product, unplug the power cord and contact the customer service.
- Do not touch the end of the power cord while it is plugged in. You may be electrocuted.

- If any of the following occur, unplug the product immediately and contact your local customer service.
  - The product has been damaged.
  - If water or another substance enters the product (like an AC adapter, power cord, or TV).
  - If you smell smoke or other odors coming from the TV.
  - When lightning storms or when unused for long periods of time.
 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 service for service or repair. Unauthorized modification could void the user's authority to operate this product.
- Use only an authorized attachments / accessories approved by LG Electronics. Otherwise, this may result in fire, electric shock, malfunction, or product damage.
- 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.
- 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 covered with dust, dry the power plug completely or wipe dust off.
- **Batteries**
  - Store the accessories (battery, etc.) in a safe location out of the reach of children.
  - Do not short circuit, disassemble, or allow the batteries to overheat. Do not dispose of batteries in a fire. Batteries should not be exposed to excessive heat.
  - Caution: Risk of fire or explosion if the battery is replaced by an incorrect type.
- **Moving**
  - When 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. Otherwise, this may result in product damage, fire hazard or injury.
- Keep the packing anti-moisture material or vinyl packing out of the reach of children.
- Do not allow an impact shock, any objects to fall into the product, and do not drop anything onto the screen.
- 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. It may cause damage to screen.
- **Cleaning**
  - 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 including glass cleaner, any type of air freshener, insecticide, lubricants, wax (car, industrial), abrasive, thinner, benzene, alcohol etc., which can damage the product and/or its panel. Otherwise, this may result in electric shock or product damage.

## Installation

### Lifting and moving the TV

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

- It is recommended to move the TV in the box or packing material that the TV originally came in.
- Before moving or lifting the TV, disconnect the power cord and all cables.
- When holding the TV, the screen should face away from you to avoid damage.
- Hold the top and bottom of the TV frame firmly. Make sure not to hold the transparent part, speaker, or speaker grille area.
- Use at least two people to move a large TV.
- When transporting the TV, 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.



- Avoid touching the screen at all times, as this may result in damage to the screen.
- Do not place the product on the floor with its front facing down without padding. Failure to do so may result in damage to the screen.
- When attaching the stand to the TV set, place the screen facing down on a cushioned table or flat surface to protect the screen from scratches.

### Mounting on the Table

- 1 Lift and tilt the TV into its upright position on a table.
  - Leave a minimum of 10 cm (4 inches) space from the wall for proper ventilation.
- 2 Connect the power cord to a wall outlet.





- Do not apply foreign substances (oils, lubricants, etc.) to the screw parts when assembling the product. (Doing so may damage the product.)
- If you install the TV on a stand, you need to take actions to prevent the product from overturning. Otherwise, the product may fall over, which may cause injury.
- Do not use any unapproved items to ensure the safety and lifespan of the product.
- Any damages or injuries by using unapproved items are not covered by the warranty.
- Make sure that the screws are fastened tightly. (If they are not fastened securely enough, the TV may tilt forward after being installed.)
- Do not fasten the screws with excessive force otherwise they may strip and become loose.

## Securing TV to the Wall

1. Insert and tighten the eye-bolts or TV brackets and bolts on the back of the TV.
    - If there are bolts inserted at the eye-bolts position, remove the bolts first.
  2. Mount the wall brackets with the bolts to the wall. Match the location of the wall bracket and the eye-bolts on the rear of the TV.
  3. Connect the eye-bolts and wall brackets tightly with a sturdy rope or cable. Make sure to keep the rope parallel to the flat surface.
- Use a platform or cabinet that is strong and large enough to support the TV securely.
  - Brackets, bolts, and ropes are optional. You can obtain additional accessories from your local dealer.

## Mounting to the Wall

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.



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

## Antenna/Cable

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



- 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 (Depending upon country).

## Starting TV

### Turning on the TV

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



- Power On (Press)
- Power Off (Press and Hold)
- Menu Control (Press<sup>1)</sup>)
- Menu Selection (Press and Hold<sup>2)</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.

#### Note

- When the TV is turned on for the first time after being shipped from the factory, initialization of the TV may take approximately one minute.
- Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.
- 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.



## 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.

### HDMI

- When connecting the HDMI cable, the product and external devices should be turned off and unplugged.
- Supported HDMI Audio format (Depending upon model):
  - True HD (48 kHz),
  - Dolby Digital / Dolby Digital Plus (32 kHz / 44.1 kHz / 48 kHz),
  - PCM (32 kHz / 44.1 kHz / 48 kHz / 96 kHz / 192 kHz)

#### Note

- If the device connected to Input Port also supports HDMI Deep Color, your picture may be clearer. However, if the device doesn't support it, it may not work properly. In that case, change the TV's [HDMI Deep Color] setting to off.
-  →  → [General] → [Devices] → [HDMI Settings] → [HDMI 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<sup>TM</sup> cable

### USB

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. (Depending upon model)

#### Note

- For an optimal connection, HDMI cables and USB devices should have bezels less than 10 mm (0.39 inches) thick, 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 port.

### IR Blaster

Control the set-top box (cable/satellite/OTT), Blu-ray/DVD player, soundbar, game consoles, etc., using the IR Blaster (Depending upon country) (Depending upon model).

#### Note

- Connect the IR Blaster cable to the TV's IR Blaster port.
- Use universal control settings to control the device.
- Secure the IR Blaster with the 3M tape provided.

### 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

- The external device connections shown may differ slightly from illustrations in a manual.
- 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.
- When connecting to a wired LAN, use a CAT.7 cable with high-speed Internet transmission.
- The TV may be capable of operating without a set-top-box from a multichannel video programming distributor (MVPD).

## Remote RS-232C setup

To obtain the RS-232C external control setup information, please visit [www.lg.com](http://www.lg.com). Download and read the manual. (Depending upon model).



- 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.

## 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 62087 or each country's energy regulations.
    - \* On some models, the label is inside the external device connection terminal cover.
    - \* Depending upon the model or country, the typical power consumption may not be on label.

(Depending upon country)

Broadcasting Specifications	
Television system	ATSC, NTSC-M, 64 & 256 QAM
Channel coverage (Band)	VHF 2-13, UHF 14-69, DTV 2-69, CATV 1-135, CAOTV 1-135
External antenna impedance	75 $\Omega$

- Certain 8K input/decoding standards may not be supported. An additional device may be necessary to support certain 8K standards. Upscaled and enhanced 8K images will vary depending upon the source content (Depending upon model).

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 %



## Product Information

(Only QNED99\*)

### Wireless module(LGSBWAX12)Specifications

Wireless LAN (IEEE 802.11a/b/g/n/ac/ax)

Frequency range	Output Power (Max.)
2,400 to 2,472 MHz	17 dBm
5,150 to 5,725 MHz	15 dBm
5,725 to 5,850 MHz	15 dBm
5,945 to 7,125 MHz	11 dBm

Bluetooth

Frequency range	Output Power (Max.)
2,400 to 2,483.5 MHz	9 dBm

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

For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the device and the body.

FCC ID: BEJLGSBWAX12 / IC: 2703H-LGSBWAX12

(Only QNED80\*, QNED85\*, QNED90\*, 86NANO75\*, 86UQ90\*)

### Wireless module(LGSBWAC95)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	18 dBm
5,725 to 5,850 MHz	18 dBm

Bluetooth

Frequency range	Output Power (Max.)
2,400 to 2,483.5 MHz	9 dBm

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

For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the device and the body.

FCC ID: BEJLGSBWAC95 / IC: 2703H-LGSBWAC95

(Except for QNED80\*, QNED85\*, QNED90\*, QNED99\*, 86NANO75\*, 86UQ90\*)

### Wireless module(LGSBWAC22)Specifications

Wireless LAN (IEEE 802.11a/b/g/n/ac)

Frequency range	Output Power (Max.)
2,400 to 2,483.5 MHz	17 dBm
5,150 to 5,725 MHz	16 dBm
5,725 to 5,850 MHz	16 dBm

Bluetooth

Frequency range	Output Power (Max.)
2,400 to 2,483.5 MHz	8 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: BEJLGSBWAC22 / IC: 2703H-LGSBWAC22

## Open Source Software Notice Information

To obtain the source code that is contained in this product, under GPL, LGPL, MPL, and other open source licenses that have the obligation to disclose source code, and to access all referred license terms, copyright notices and other relevant documents please visit <https://opensource.lge.com>.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to [opensource@lge.com](mailto:opensource@lge.com).

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

**HDMI™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE

**HE Advance™**  
Covered by patents at [patentlist.accessadvance.com](http://patentlist.accessadvance.com)

## QUICKSET®

(Magic Remote supported models only)

### Troubleshooting

Cannot control the TV with the remote control.	<ul style="list-style-type: none"><li>• Check if anything such as tape has been placed over the receiver.</li><li>• Check if there is any obstacle between the product and the remote control.</li><li>• Replace the batteries with new fresh ones.</li></ul>
No image display and no sound is produced.	<ul style="list-style-type: none"><li>• Check if the product is turned on.</li><li>• Check if the power cord is connected to a wall outlet.</li><li>• Check if there is a problem in the wall outlet by connecting other products.</li></ul>
The TV turns off suddenly.	<ul style="list-style-type: none"><li>• Check the power control settings. The power supply may be interrupted.</li><li>• Check if the auto-off function is activated in the settings menu.</li><li>• If there is no signal while the TV is on, the TV will turn off automatically after 15 minutes of inactivity.</li></ul>
Abnormal Display	<ul style="list-style-type: none"><li>• 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.</li><li>• 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 TV. Those dots are deactivated pixels and do not affect the performance and reliability of the TV.</li><li>• 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.</li></ul>
Generated Sound	<ul style="list-style-type: none"><li>• <b>Cracking noise</b> 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.</li><li>• <b>Electrical circuit humming/panel buzzing</b> 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.</li></ul>



- 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.

### FCC NOTICE

(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.
- 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 complies 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 compliance could void the user's authority to operate the equipment. and For indoor use only, use outdoors or in other modes not covered by this manual may violate the FCC regulation and violate the user authority to use the product.

### FCC Radio Frequency Interference Requirements (for UNII devices)

(For USA)

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 USA)

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

This equipment complies 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 compliance.

### 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:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

### IC Radiation Exposure Statement

(For Canada)

(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 TV 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 5250–5350 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 set forth 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 such 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 ensure 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 cords 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 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

	Refers to alternating current (AC).		Refers to stand-by.
	Refers to direct current (DC).		Refers to "ON" (power).
	Refers to class II equipment.		Refers to dangerous voltage.

## LG Take-back & Recycling Policy

(For USA)

LG Electronics offers a customized e-waste take-back & recycling service that meets local needs and requirements in the countries where e-waste regulations are in place, and also provides product take-back & recycling service voluntarily in some regions. LG Electronics evaluates products' recyclability at the design step selectively, with the goal of improving recyclability where practicable. Through these activities, LG Electronics seeks to contribute to conserving natural resources and protecting the environment. For more information, please visit our global site at <https://www.lg.com/recycling>

# CHILD SAFETY:

## PROPER TELEVISION PLACEMENT MATTERS

### THE CONSUMER TECHNOLOGY INDUSTRY CARES

Manufacturers, retailers and the rest of the consumer technology industry are committed to making products safe and enjoyable. As you enjoy your television, please note that all televisions – new and old – must be supported on proper stands or installed according to the manufacturer's recommendations. Televisions that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests, carts, etc., may fall over, resulting in injury.



#### TUNE IN TO SAFETY

- **NEVER** allow children to climb on or play on the television or the furniture on which the television is placed.
- **NEVER** place the television on furniture that can easily be used as steps, such as a chest of drawers.
- **ALWAYS** follow the manufacturer's instructions for the safe installation of your television.
- **ALWAYS** read and follow all instructions for proper use of your television.
- **ALWAYS** install the television where it cannot be pushed, pulled over or knocked down.
- **ALWAYS** route cords and cables connected to the television so that they cannot be tripped over, pulled or grabbed.



#### WALL OR CEILING MOUNT YOUR TELEVISION

- **ALWAYS** contact your installer about professional installation if you have any doubts about your ability to safely install your television.
- **ALWAYS** use a mount that has been recommended by the television manufacturer and has a safety certification by a Nationally Recognized Testing Laboratory (NRTL).
- **ALWAYS** follow all instructions supplied by the television and mount manufacturer.
- **ALWAYS** make sure that the wall or ceiling where you are mounting the television is appropriate, use proper anchoring systems for different wall or ceiling types (e.g., wood, concrete, masonry, etc.). If you are unsure, contact a professional installer.
- Televisions can be heavy. A minimum of two people is required for a wall or ceiling mount installation.



#### MOVING AN OLDER TELEVISION TO A NEW PLACE IN YOUR HOME

- **REMEMBER** Special care should be made in the placement of older CRT/fat-panel televisions. Many new television buyers move their older CRT/fat-panel televisions into a secondary room after the purchase of a flat-panel television.
- **NEVER** place your older CRT/fat-panel televisions on a dresser where children may be tempted to use the drawers as steps.
- **ALWAYS** place your older CRT/fat-panel television on furniture that is sturdy and appropriate for its size and weight.
- **ALWAYS** make sure your older CRT/fat-panel television does not hang over the edge of your furniture.

# Using Magic Remote Control



- Power** Turns the TV on or off.
- Accesses the [Guide].**
- (Dash)** Inserts a — between numbers such as 2-1 and 2-2.
- LIST** Accesses the saved channel list.
- QUICK ACCESS** 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.
- Volume buttons** Adjusts the volume level.
- Home** Accesses the Home menu.
- Home** Launches the last used apps.
- Wheel (OK)** Press the center of button to select a menu. You can change channels by using button.
- Wheel (OK)** Accesses the [Magic Explorer]. You can run the [Magic Explorer] feature when the pointer color is changed to purple. If watching a channel, press and hold down the pointer onto the video. When using [TV Guide], [Settings], [Sports Alert], or [Art Gallery], press and hold down on the text.
- Up/Down/Left/Right** Press the up, down, left or right button to scroll the menu. If you press buttons while the pointer is in use, the pointer will disappear from the screen and Magic Remote will operate like a general remote control. To display the pointer on the screen again, shake Magic Remote to the left and right.
- Back** Returns to the previous level.
- Back** Clears on-screen displays and returns to last input viewing.



- Number buttons** Enters numbers.
- Accesses the [Quick Help].**
- More actions** Displays more remote control functions.
- AD/SAP** SAP (Secondary Audio Program) feature can also be enabled by pressing the button.
- Channel buttons** Scrolls through the saved channels.
- 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 recommended services may not be available in some countries.)
- Voice recognition** Speak while pressing and holding the button to use the voice recognition feature.
- Input** Changes the input source.
- Input** Accesses the [Home Dashboard].
- Q. Settings** Accesses the Quick Settings.
- Q. Settings** Displays the [All Settings] menu.
- These access special functions in some menus.
- Red button** Runs the record function.
- Streaming Service buttons** Connects to the Video Streaming Service.




The descriptions in this manual are based on the buttons on the remote control. Please read this manual carefully and use the TV correctly.

This remote uses infrared light. When in use, it should be pointed in the direction of the TV's remote sensor.

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



## How to register the Magic Remote Control



To use the Magic Remote, first pair it with your TV.

- 1 Put batteries into the Magic Remote and turn the TV on.
- 2 Point the Magic Remote at your TV and press the  **Wheel (OK)** on the remote control.

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

## How to deregister the Magic Remote Control

Press the  (**Back**) and  (**Home**) buttons at the same time, for five seconds, to unpair the Magic Remote with your TV.

- \* Press and hold the  (**Home**) and  (**Q. Settings**) buttons for more than 5 seconds to disconnect and re-register the Magic Remote at the same time.











- \* 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.



## Using Always Ready

(Depending upon model)

You can operate the TV and connect to Bluetooth with direct voice recognition while the power is off.


- \*  →  → [General] → [Always Ready], setting [Enable the function] to on.
- \* Pressing the  button while watching TV switches the screen to [Always Ready] that is turned on, and pressing the  button once more turns the screen to [Always Ready] that is turned off.
- \* Press the  (**Home**) button or the  (**Back**) button to watch TV when the screen is in [Always Ready] that is turned on.
- \* Press the  **Wheel (OK)** button to display the wallpaper when the screen is in [Always Ready] that is turned off, and press the  button to watch TV.

### Note

- Using Always Ready may increase energy consumption.
- For models with motion sensors, such as G2, if you set screen on with the motion sensor, the TV will turn on by recognising the motion.
- For more information about the feature, refer to the  →  → [Support] → [User Guide] → [Troubleshooting] → [Learn More About Always Ready].

## Connecting Smart Devices using NFC Tagging

NFC is technology that uses Near Field Communication (13.56 MHz), allowing you to conveniently send and receive information without separate settings. By bringing a smart device near the NFC-enabled remote control, you can install the LG ThinQ app and connect the device to the TV.

- 1 Turn on NFC in the smart device's settings. To use NFC with Android devices, set the NFC option to enable 'read/write tags' in the smart device's settings. The NFC settings may vary depending upon the device.
- 2 Bring the smart device near the  (NFC) on the remote control. The required distance for NFC tagging is about 1 cm (0.39 inches).
- 3 Follow the instructions to install the LG ThinQ app on your smart device.
- 4 Retagging the smart device to the remote control allows you to conveniently access various features on the connected TV through the LG ThinQ app.

### Note

- This feature is available for NFC-enabled smart devices only.
- This feature is only available if the remote control has an NFC logo.

## Specifications

Specifications (MR22GN, MR22GA)		
	Frequency range	Output Power (Max.)
Bluetooth	2,400 to 2,483.5 MHz	7 dBm
NFC	13.56 MHz	-

\* Only MR22GN



(2007-REV02)  
Printed in Mexico

## LG LCD / LED / OLED Television Limited Warranty - USA

**ARBITRATION NOTICE:** THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG TO RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT. UNLESS YOU CHOOSE TO OPT OUT IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED "PROCEDURE FOR RESOLVING DISPUTES" BELOW.

Should your LG LCD / LED / OLED Television ("Product") fail due to a defect in materials or workmanship under normal and proper use, during the warranty period set forth below, LG Electronics ("LG") will, at its discretion, repair or replace the Product. This limited warranty is valid only to the original retail purchaser of the Product and applies only when purchased lawfully and used within the United States including U.S. Territories.

WARRANTY PERIOD	WHAT IS COVERED
One (1) year from the date of original retail purchase	Parts and Labor (Internal/functional parts only)

- Replacement products and parts are warranted for the remaining portion of the original warranty period or ninety (90) days, whichever is greater.
- Replacement products and parts may be new, reconditioned, refurbished, or otherwise factory remanufactured.
- Replaced product or part(s) will be the property of LG.
- LG does not provide repair/replacement/refund services in the regions outside of the United States and its territories.

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THE PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THE ABOVE LIMITED WARRANTY. UNDER NO CIRCUMSTANCES SHALL LG OR ITS U.S. DISTRIBUTORS/DEALERS BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, OR PUNITIVE DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST GOODWILL, LOST REVENUES OR PROFITS, WORK STOPPAGE, IMPAIRMENT OF OTHER GOODS, COST OF REMOVAL AND REINSTALLATION OF THE PRODUCT, LOSS OF USE, OR ANY OTHER DAMAGES WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. LG'S TOTAL LIABILITY, IF ANY, SHALL NOT EXCEED THE PURCHASE PRICE PAID BY YOU FOR THE PRODUCT.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

### HOW SERVICE IS HANDLED:

The original sales receipt specifying the Product and date of purchase is required to obtain warranty service.

Under some circumstances you may be asked to provide credit card information for a non-warranty service fee, as a deposit for advanced shipment, or cost of unreturned loaner product.

To ensure proper credit and avoid unnecessary charges, you must obtain a return authorization before returning any product to LG.

In the event a replacement product is received, please use the original carton/packaging from that replacement product in returning the defective unit to LG.

### PIXEL FUNCTIONALITY:

Your Product's display contains many individual pixels, and typically a small number of pixels do not function normally. Your display has been inspected and is in compliance with LG's specifications, and any pixel non-functionality does not affect the operation or use of your Product's display.

### THIS LIMITED WARRANTY DOES NOT COVER:

- Service trips to deliver, pick up, install, educate on how to operate, replace fuses, correct wiring, or correct unauthorized repairs and the removal and reinstallation of the Product for repair.
- Damage or defects of the Product caused by installation or repair of antenna systems, cable converters, other equipment supplied by cable company, or other components in a video system.
- Damage or defects of the Product caused by improper set-up or adjustment on consumer controls.
- Damage or defects of the Product caused by transportation and/or handling, including scratches, dents, chips, and/or other damage to the finish of your Product, unless such damage results from defects in materials or workmanship and is reported within one (1) week of delivery.
- Damage or defects of the Product when used in other than normal and usual, single-family household use (e.g., commercial use, offices, etc.).
- Damage or defects of the Product caused by incorrect electrical current or voltage, power failures, interruptions or inadequate electrical service, including incorrect or insufficient AC supply.
- Damage or defects of the Product resulting from improper installation or operation of the Product contrary to the Product owner's manual and/or installation manual.
- Damage or defects of the Product caused by accidents, pests and vermin, lightning, wind, fire, flood, or other acts of nature.
- Damage or defects of the Product resulting from misuse, abuse, improper installation/repair/maintenance.
- Damage or defects of the Product caused by the use of accessories, parts, consumable cleaning products, or service not provided or approved by LG.
- Damage or defects of the Product caused by unauthorized alteration, modification or incorporation into any other product or system components, or if it is used for other than the intended purpose.
- Damage or defects of the Product or missing items to any Product sold "As Is," "With All Faults" or similar disclaimer.
- Products with original serial numbers that have been removed, altered, or cannot be readily determined.
- Increases in utility cost and additional utility expenses.
- Replacement of any consumable parts, including batteries for the remote control.

The cost of repair or replacement under the above excluded circumstances shall be borne by the original retail purchaser.

### TO OBTAIN WARRANTY SERVICE AND ADDITIONAL INFORMATION:

Call 800-243-0000 and select the appropriate option from the menu.

Or visit our website at <http://www.lg.com>.

Or by mail: LG Electronics Customer Service, P.O. Box 240007, Huntsville, AL 35813 ATTN: Customer Service

## PROCEDURE FOR RESOLVING DISPUTES:

ALL DISPUTES BETWEEN YOU AND LG, ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. BINDING ARBITRATION MEANS THAT YOU AND LG ARE EACH WAIVING THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION.

**Definitions.** For the purposes of this section, references to "LG" means LG Electronics U.S.A., Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to "dispute" or "claim" shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale, condition or performance of the product or this Limited Warranty.

**Notice of Dispute.** In the event you intend to commence an arbitration proceeding, you must first notify LG in writing at least 30 days in advance of initiating the arbitration by sending a letter to LG at LG Electronics, USA, Inc. Attn: Legal Department- Arbitration 111 Sylvan Avenue, Englewood Cliffs, NJ07632 USA. You and LG agree to engage in good faith discussions in an attempt to amicably resolve your claim. The notice must provide your name, address, and telephone number; identify the product that is the subject of the claim; and describe the nature of the claim and the relief being sought. If you and LG are unable to resolve the dispute within 30 days, either party may proceed to file a claim for arbitration.

**Agreement to Binding Arbitration and Class Action Waiver.** Upon failure to resolve the dispute during the 30 day period after sending written notice to LG, you and LG agree to resolve any claims between us only by binding arbitration on an individual basis, unless you opt out as provided below. Any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person's or entity's product or claim. More specifically, without limitation of the foregoing, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought as a class or representative basis.

**Arbitration Rules and Procedures.** To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be administered by the American Arbitration Association ("AAA") and will be conducted before a single arbitrator under the AAA's Consumer Arbitration Rules that are in effect at the time the arbitration is initiated (referred to as the "AAA Rules") and under the procedures set forth in this section. The AAA Rules are available online at [www.adr.org/consumer](http://www.adr.org/consumer). Send a copy of your written demand for arbitration, as well as a copy of this provision, to the AAA in the manner described in the AAA Rules. You must also send a copy of your written demand to LG at LG Electronics, USA, Inc. Attn: Legal Department- Arbitration 111 Sylvan Avenue, Englewood Cliffs, NJ07632 USA. If there is a conflict between the AAA Rules and the rules set forth in this section, the rules set forth in this section will govern. This arbitration provision is governed by the Federal Arbitration Act. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. All issues are for the arbitrator to decide, except that issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

**Governing Law.** The law of the state of your residence shall govern this Limited Warranty and any disputes between us except to the extent that such law is preempted by or inconsistent with applicable federal law.

**Fees/Costs.** You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees to the AAA unless you seek more than \$25,000 in damages, in which case the payment of these fees will be governed by the AAA Rules. Except as otherwise provided for herein, LG will pay all AAA filing, administration and arbitrator fees for any arbitration initiated in accordance with the AAA Rules and this arbitration provision. If you prevail in the arbitration, LG will pay your attorneys' fees and expenses as long as they are reasonable, by considering factors including, but not limited to, the purchase amount and claim amount. Notwithstanding the foregoing, if applicable law allows for an award of reasonable attorneys' fees and expenses, an arbitrator can award them to the same extent that a court would. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the standards set forth in Federal Rule of Civil Procedure 11(d)), then the payment of all arbitration fees will be governed by the AAA Rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the AAA Rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

**Hearings and Location.** If your claim is for \$25,000 or less, you may choose to have the arbitration conducted solely on the basis of (1) documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the AAA Rules. If your claim exceeds \$25,000, the right to a hearing will be determined by the AAA Rules. Any in-person arbitration hearings will be held at a location within the federal judicial district in which you reside unless we both agree to another location or we agree to a telephonic arbitration.

**Opt Out.** You may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either: (i) sending an e-mail to [optout@lge.com](mailto:optout@lge.com), with the subject line: "Arbitration Opt Out" or (ii) calling 800-980-2972. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased; (c) the product model name or model number; and (d) the serial number (the serial number can be found (i) on the product, or (ii) online by accessing <http://www.lg.com/us/support/repair-service/schedule-repair-continue> and clicking on "Find My Model & Serial Number").

You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.



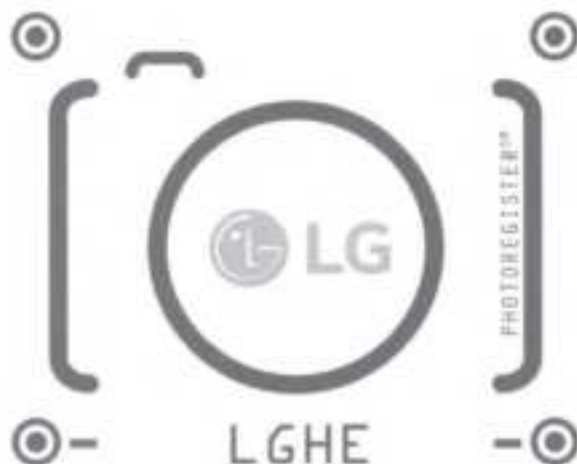
**REGISTER YOUR PRODUCT**  
ACTIVATE YOUR WARRANTY



## REGISTER EASILY WITH YOUR PHONE

1. **Take a photo**  
of the camera icon to the right
2. **Send it in:**  
Text photo to 77228

**Need help?** Visit [Photoregister.com/help](http://Photoregister.com/help)  
or text HELP to 77228.



Visit <https://www.lg.com/us/support/product-registration>

or



Within the next 10 days

☐ Mr.    ☐ Mrs.    ☐ Ms.    ☐ Miss

First Name

Initial

Last Name

Street

Acid

City

State/Province

Zip/Postal Code

Erhalt

Date of Purchase

Physical Sciences

Model Number

Serial Number

Name of Purchase Location

☐ By checking this box, I wish to receive helpful information about my new product as well as news and offers from LG Electronics U.S.A., Inc. in accordance with the privacy policy located at [www.lgusa.com/privacy](http://www.lgusa.com/privacy).

To update your communication preferences, please visit MyLG at [www.lgusa.com/mylg](http://www.lgusa.com/mylg). Failure to return this card will not diminish your warranty rights.

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or comments to [lgusa.com/support](http://lgusa.com/support)  
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## REGISTER YOUR PRODUCT ACTIVATE YOUR WARRANTY

Thank you for purchasing an LG product. We hope you're enjoying it!

Now it's important to register your product—a quick, simple process with many benefits:

- Serves as verification of ownership if it's lost or stolen
- Helpful emails on how to make the most of your product
- Reminders about downloads and firmware updates
- More efficient warranty service
- Exclusive information on new products and innovations
- Special offers and promotions



\* 3 8 4 0 V A 0 0 4 2 G \*

Welcome to the  
LG family!

Please seal with tape. Do not staple.

### 3 EASY WAYS

to register your product



#### PHOTOREGISTER

text photo to 77228  
see back for details



#### ONLINE

visit [www.lgusa.com/register](http://www.lgusa.com/register)



#### MAIL

drop this completed  
card in the mailbox

P/No: 3840VA0042G (1708-REV11)

Printed in Mexico