

OWNER'S MANUAL

Safety and Reference

* LG LED TV applies LCD screen with LED backlights.

| 43UN7300PUF | 50UN8050PUD | 60UN7300PUA | 70UN7370PUC | 82UN8570PU |
|-------------|-------------|-------------|-------------|------------|
| 43UN7300PUC | 50UN8000PUB | 60UN6900PUB | 70UN7370AUD | 82UN8570PU |
| 43UN7300AUD | 50UN7300PUF | 60UN6950ZUA | 70UN7370PUB | 82UN8570AU |
| 43UN7300PUD | 50UN7300PUC | 60UN6951ZUA | 70UN7100PUA | 86UN8570PU |
| 43UN7100PUA | 50UN7300AUD | 65UN8500PUI | 70UN6970PUA | 86UN8570PU |
| 43UN6900PUB | 50UN7300PUB | 65UN8500AUJ | 75UN8570PUC | 86UN8570AU |
| 43UN6950ZUA | 50UN6950ZUF | 65UN8050PUD | 75UN7370PUE | |
| 43UN6951ZUA | 50UN6951ZUF | 65UN8000PUB | 75UN8000PUB | |
| 49UN7300PUC | 50UN6900PUC | 65UN7300PUF | 75UN8570AUD | |
| 49UN7300PUF | 55UN8050PUD | 65UN7300PUC | 75UN7370AUH | |
| 49UN7300AUD | 55UN8000PUB | 65UN7300AUD | 75UN7370PUB | |
| 49UN7300PUB | 55UN7300PUF | 65UN7300PUB | 75UN7100PUD | |
| 49UN7100PUA | 55UN7300PUC | 65UN7100PUA | 75UN6970PUC | |
| 49UN6900PUB | 55UN7300AUD | 65UN6900PUB | 75UN6950ZUD | |
| | 55UN7300PUB | 65UN6950ZUA | 75UN6951ZUD | |
| | 55UN7100PUA | 65UN6951ZUA | | |
| | 55UN6900PUB | | | |
| | 55UN69507UA | | | |

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

Important Safety Instruction

55UN6951ZUA

- Read these instructions.
- Keep these instruction
- 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 (USA) or www.lg.com/ca_en/ arbitration (Canada)

Ventilation

Install your TV where there is proper ventilation. Do not install in

Do not block or cover the product with cloth or other materials

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

· Be sure to grasp the plug when unplugging the power cord. Do not

Do not connect too many devices to the same AC power outlet as

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

- 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

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,

or where it can come in contact with such power lines or circuits

Do not move the TV whilst the Power cord is plugged in.

Do not use a damaged or loosely fitting power cord.

Disconnecting the Device from the Main Power

TV may fall over, which may cause serious injury.

as death or serious injury can occur.

ANSI/NEPA 70

Outdoor Antenna Grounding (Can differ by country):

pull on the power cord to unplug the TV.

this could result in fire or electric shock

a confined space such as a bookcase.

while unit is plugged in.

the cord exits the device.

Do not install the product on a carpet or cushion.

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 ris 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
- 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

- Grounding (Except for devices which are not grounded.) 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 electric shock. 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 a service center.
- 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 ediately and contact a service cen
- 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 a service center
- Use only an attachments / accessories approved by 1G 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 peopl 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. Preparing

- When the TV is turned on for the first time after being shipped from the factory, initialization of the TV may take approximately
- one minute. Image shown may differ from your TV. • Your TV's OSD (On Screen Display) may differ slightly from that
- shown in this manual.
- The available menus and options may differ from the input source or product model that you are using.
- New features may be added to this TV in the future. The 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. The items supplied with your product may vary depending upon
- the model. Product specifications or contents of this manual may be changed
- without prior notice due to upgrade of product functions. For an optimal connection, HDMI cables and USB devices should have bezels less than 10 mm (0.39 inches) thick and 18 mm (0.7
- inches) width. Use an extension cable that supports USB 2.0 if the USB cable or
- USB flash drive does not fit into your TV's USB port. Use a certified cable with the HDMI logo attached. If you do not use a certified HDMI cable, the screen may not display or a connection
- error may occur. Recommended HDMI cable types (3 m (9.84 feet) or less)
- Ultra High Speed HDMI cable[®]/™

 $*A \leq 10 \text{ mm} (0.39 \text{ inches})$ *B \leq 18 mm (0.7 inches)

Optional Extras

Ontional 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 model The model name or design may be changed due to the manufacturer's circumstances or policies

Mounting on the Table

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

proper ventilation

2 Connect the power cord to a wall outlet.

product life span.

after being installed.)

Securing TV to the Wall

 \triangle

of the TV.

to the mount.

 \triangle

bolts first.

support the TV securely.

Leave a minimum of 10 cm (4 inches) space from the wall for

(Depending upon model)

the screw parts when assembling the product.

product may fall over, which may cause injury.

(Doing so may damage the product.)

are not covered by the warranty.

they may strip and become loose

Do not apply foreign substances (oils, lubricants, etc.) to

• If you install the TV on a stand, you need to take actions

to prevent the product from overturning. Otherwise, the

Do not use any unapproved items to ensure the safety and

Any damage or injuries caused by using unapproved items

Make sure that the screws are fastened tightly. (If they

Do not fasten the screws with excessive force otherwise

ं

(Depending upon model)

1 Insert and tighten the eye-bolts, or TV brackets and bolts on the back

If there are bolts inserted at the eye-bolts position, remove the

location of the wall bracket and the eye-bolts on the rear of the TV.

3 Connect the eve-bolts and wall brackets tightly with a sturdy rope.

2 Mount the wall brackets with the bolts to the wall. Match the

Make sure to keep the rope horizontal with the flat surface.

Use a platform or cabinet that is strong and large enough to

· Brackets, bolts and ropes are not provided. You can obtain

Wall mounting

(Wall mount kit not supplied)

with your local dealer for a wall mount that supports the VESA

standard used by your TV model. Carefully attach the wall mount

An optional wall mount can be used with your LG Television. Consult

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 gualified personnel to install the

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

nount to the wall. Attach the cables to the TV first, then attach the TV

(Depending upon model)

refer to the Separate purchase.

not to drop.

back of the TV.

it to fall.

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.

If you intend to mount the product to a wall, attach VESA

of the product. When you install the set to use the wall

mounting bracket (optional parts), fix it carefully so as

When mounting a TV on the wall, make sure not to install

the TV by hanging the power and signal cables on the

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

standard mounting interface (optional parts) to the back

10 cm (4 inches

100

wall mount. Detailed instructions will be included with the wall moun

additional accessories from your local dealer.

are not fastened securely enough, the TV may tilt forward

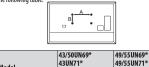
Magic Remote Control (Depending upon model)

MR20GA Check whether your TV model supports Bluetooth in the Wireless

Module Specification to verify whether it can be used with the Magic Remote Wall Mounting Bracket (not supplied)

(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 tabl



| Model | 43UN71* 43/50UN73* 50UN80* | 49/55UN71* 49/55UN73* 55UN80* |
|--------------------|----------------------------------|-------------------------------------|
| VESA (A x B) (mm) | 200 x 200 | 300 x 300 |
| Standard screw | M6 | M6 |
| Number of screws | 4 | 4 |
| Wall mount bracket | LSW240B | OLW480B |
| (ontional) | MSW240 | MSW240 |

| Model | 60/65UN69* 65UN71* 60/65UN73* 65UN80* 65UN85* | 70/75UN69* 70/75UN71* 70/75UN73* 75UN80* 75/82/86UN85* |
|--------------------|---|--|
| VESA (A x B) (mm) | 300 x 300 | 600 x 400 |
| Standard screw | M6 | M8 |
| Number of screws | 4 | 4 |
| Wall mount bracket | 0LW480B | LSW640B |

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 When holding the TV, the screen should face away from you to

SD

hold the transparent part, speaker, or speaker grille area.

Hold the top and bottom of the TV frame firmly. Make sure not to

When transporting the TV by hand, hold the TV as shown in the

When transporting the TV, do not expose the TV to jolts o

When transporting the TV, keep the TV upright; never turn the TV

When handling the TV, be careful not to damage the protruding

· Avoid touching the screen at all times, as this may result in

• Do not place the product on the floor with its front facing

down without padding. Failure to do so may result in

• When attaching the stand to the TV set, place the screen

facing down on a cushioned table or flat surface to protect

• Use at least two people to move a large TV.

on its side or tilt towards the left or right

damage to the screen.

damage to the screen.

the screen from scratches.

following illustration.

excessive vibration.

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all cables.

avoid damage.



Basic functions

When installing the wall mounting bracket, it is recommended to

cover the stand hole using tape, in order to prevent the influx of

nd hole

lust and insects, (Depending upon model).

You can connect various external devices to the TV. For more

information on external device's connection, refer to the manual

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

Complete all connections between devices, and then connect the

power cord to the power outlet to prevent damage to your TV.

This TV cannot receive ULTRA HD (3840 x 2160 pixels) broadcasts.

directly because the related standards have not been confirmed

Connect your TV to external devices. For the best picture and audio

quality, connect the external device and the TV with the HDMI cable

· When connecting the HDMI cable, the product and external devices

Dolby Digital / Dolby Digital Plus (32 kHz / 44.1 kHz / 48 kHz),

 $(3 \rightarrow (:) \rightarrow [Picture] \rightarrow [Additional Settings] \rightarrow [HDM] Ultra$

PCM (32 kHz / 44.1 kHz / 48 kHz / 96 kHz / 192 kHz

- On : Support 4K @ 50 / 60 Hz (4:4:4, 4:2:2, 4:2:0)

- On : Support 4K @ 50 / 60 Hz (4:4:4, 4:2:2, 4:2:0),

<3,4 port Only> 4K @ 100 / 120 Hz (4:4:4, 4:2:2, 4:2:0)

If the device connected to Input Port also supports ULTRA HD Deep

Color, your picture may be clearer. However, if the device doesn't

sunnorf it, it may not work properly. In that case, change the TV's

This feature is available only on certain models which suppo

Supported external devices are: Blu-ray player, HD receivers, DVD

players, VCRs, audio systems, USB storage devices, PC, gaming devices

If you record a TV program on a Blu-ray/DVD recorder or VCR, make

The external device connections shown may differ slightly from

Connect external devices to the TV regardless about the order of

• If you connect a gaming device to the TV, use the cable supplied

In PC mode, there may be noise associated with the resolution.

vertical pattern, contrast or brightness. If noise is present, change

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

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

When connecting via a wired LAN, it is recommended to use a CAT

The TV may be capable of operating without a set-top-box from a

multichannel video programming distributor (MVPD

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

Using Button

the PC output to another resolution, change the refresh rate to

Refer to the external equipment's manual for operating

sure to connect the TV signal input cable to the TV through a DVD

recorder or VCR. For more information about recording, refer to the

and other external devices. For more information on external device's

nection, refer to the manual provided with each device

manual provided with the connected device.

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

Copper wire

Use a signal splitter to use 2 TVs or more

Other connections

should be turned off and unplugged.

(For UN69/UN71/UN73/UN80 series)

Off : Support 4K @ 50 / 60 Hz (4:2:0)

Off : Support 4K @ 50 / 60 Hz (4:2:0)

[HDMI Ultra HD Deep Color] setting to off.

HDMI UI TRA HD Deen Color

rnal Device

illustrations in a manual.

with the gaming device

on the screen properly.

the TV.

7 cable

the TV port.

HDMI Audio Supported Format:

Depending upon model)

True HD (48 kHz).

HD Deep Color

(For UN85 series)

ном

DTV Audio Supported Codec: MPEG, Dolby Digital

Connections

provided with each device.

Antenna/Cable

RF cable is optional.

Power On (Press Power Off¹ (Press and Hold) Menu Control (Press 2) Menu Selection (Press and Hold ³

Using Remote Control

(Depending upon model

on the TV.

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

To install batteries, open the battery cover, replace batteries (1.5 V AAA) matching the \oplus 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. Make sure to point the remote control toward the remote control senso



(Batteries not supplied)

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

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. 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.



(Batteries not supplied)

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

1 All running apps will close.

- 2 You can access and adjust the menu by pressing the button when TV is on.
- 3 You can use the function when you access menu control

Adjusting the menu

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

| | 5 | | |
|--------|-------------------------------------|--|--|
| Ċ | Turns the power off. | | |
| e | Changes the input source. | | |
| +- | Adjusts the volume level. | | |
| \sim | Scrolls through the saved channels. | | |
| | | | |

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

() (POWER) Turns the TV on or off.

V Returns to the last TV channe

Q (SEARCH) (heck for recommended content. (Some

recommended services may not be available in some countries.) hows the search mode.

CC/SUB Activates or deactivates the subtitles

(0. Settings) Accesses the Quick Settings

(INPUT) Changes the input source.

Number button Enters numbers

- (DASH) Inserts a - between numbers such as 2-1 and 2-2. LIST Accesses the saved channels list.

(MORE ACTIONS) Displays more remote control functions

QUICK ACCESS" Edits QUICK ACCESS. - QUICK ACCESS is a feature that allows you to enter a specified app

or Live TV directly by pressing and holding the number buttons + VOL - Adjusts the volume level.

FAV Accesses your favorite channel list.

GUIDE Displays the program event according to time scheduler (MUTE) Mutes all sounds.

석,** (MUTE) Accesses the [Accessibility] menu.

∧CH∨ Scrolls through the saved channels

∧PAGE ∨ Moves to the previous or next screen

Streaming Service buttons Connects to the Video Streaming Service

(HOME) Accesses the Home menu.

** (HOME) Shows the previous history.

BACK Returns to the previous screen

EXIT Clears on-screen displays and returns to last input viewing. Navigation button (up / down / left / right) Scrolls through menus or options

(OK) Selects menus or options and confirms your inpu OINFO Shows information on the current program.

SAP Enables SAP (Secondary Audio Program) Feature. REC Starts to record. (Only Time Machine Ready supported model) □ << >> (Control buttons) Control buttons for media

** To use the button, press and hold for more than 1 second. (DOWER) Turns the TV on or off.

 $r \stackrel{(1)}{\longrightarrow} \gamma$ (STB POWER) You can turn your set-top box on or off by adding the set-top box to the universal remote control for your TV. Number buttons Enters numbers.

9" Accesses the [Quick Help].

- (DASH) Inserts a — between numbers such as 2-1 and 2-2.

Accesses the saved channels list.

• • • (MORE ACTIONS) Displays more remote control functions

OUICK ACCESS** Edits OUICK ACCESS.

- QUICK ACCESS is a feature that allows you to enter a specified app or Live TV directly by pressing and holding the number buttons. AD/SAP** SAP(Secondary Audio Program) Feature can also be

enabled by pressing the • • • button

+ <>>→ Adjusts the volume level.

(MUTE) Mutes all sounds.

💐 ** (MUTE) Accesses the [Accessibility] menu.

 ${f Q}$ (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.)

 Q^{**} (Voice recognition) Speak while pressing and holding the

button to use the voice recognition feature.

(HOME) Accesses the Home menu.

(**HOME**) Shows the previous history.

(0. Settings) Accesses the Ouick Settings.

(0. Settings) Displays the [All Settings] menu.

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

△▽<|>(up/down/left/right) Press the up, down, left or right button to scroll the menu. If you press $\land \bigtriangledown \land \land \land \land \land$ 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 screen.

←⊃** (BACK) Clears on-screen displays and returns to last input

Displays the program event according to time scheduler.

1 Streaming Service buttons Connects to the Video Streaming

(INPUT) Changes the input source.

** (INPUT) Accesses the [Home Dashboard].

 Co. Co. These access special functions in some menus D.II(Control buttons) Controls media contents.

Registering 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.
- 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 or

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. * Pressing and holding the GUIDE button will let you cancel and re-register Magic Remote at the same time.

- Do not mix new batteries with old batteries. This may
 cause the batteries to unit. cause the batteries to overheat and leak. Failure to match the correct polarities of the battery may cause the battery to burst or leak, resulting in fire, personal injury, or ambient pollution. This annaratus uses hatteries. 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

User Guide

For more information about this TV, read the USER GUIDE embedded in the product

• To open the USER GUIDE ${}^{(3)}_{(2)}$ → ${}^{(3)}_{(2)}$ → [Support] → [User Guide]

Troubleshooting

- Cannot control the TV with the remote contro Check if anything such as tape has been placed over the receiver
- Check if there is any obstacle between the product and the remote
- Replace the batteries with new fresh ones
- No image display and no sound is produced.
- Check if the product is turned on.
- Check if the power cord is connected to a wall outlet Check if there is a problem in the wall outlet by connecting othe
- nroducts

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 | | |
| Program coverage (Band) | VHF 2-13, UHF 14-69, DTV 2-69, CATV 1-135, CADTV 1-135 | | |
| External antenna impedance | 75 Ω | | |

(For UN85 Series

IC: 2703H-LGSBWAC92

| | 8WAC92) Specifications | | |
|---|------------------------|--|--|
| WIREIESS LAN (IEEE | 802.11a/b/g/n/ac) | | |
| Frequency Range Output Power (Max.) | | | |
| 2,400 to 2,483.5 MHz | 18 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 | 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: BEILGSBWACO2 | | | |

(For UN71 / UN73 / UN80 Series)

Frequency Range

2.400 to 2.483.5 MHz

5,150 to 5,725 MH

5 725 to 5 850 MHz

- Check the power control settings. The power supply may be
- 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

The TV turns off suddenly

• 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 TV. Those dots are deactivated pixels and do not affect the performance and reliability of the TV. 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,

Make sure to wring any excess water or cleaner from the

 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 screer

Notice Information

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

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

This offer is valid for a period of three years after our last shipment of

Licenses

HOMI

QuickSet

(Magic Remote supported models only)



ireless module (LGSBWAC02) Specifi Wireless LAN (IEEE 802.11a/b/g/n/ac) (For USA) Output Power (Max.) 18.5 dBm 17 dBm 18.5 dBm Rluetooth

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 regional

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

ency table

(For LIN69 Series)

| Wireless module (LGS) | VFAC81) Specifications |
|--|------------------------------|
| Wireless LAN (IEEE | 802.11a/b/g/n/ac) |
| Frequency Range | Output Power (Max.) |
| 2,400 to 2,483.5 MHz 5,150 to 5,725 MHz 5,725 to 5,850 MHz | 20 dBm 15 dBm 14.5 dBm |

As band channels can vary per country, the user cannot change or adjust the operating frequency. This product is configured for the regional requency 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: BEILGSWEAC8

IC: 2703H-LGSWFAC8

| 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 % | |
| | | |

Regulatory

more of the following measures:

Reorient or relocate the receiving antenna.

to which the receiver is connected.

the user's authority to operate the equipment.

(For USA)

any other transmitte

nstalled 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

his 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

Increase the separation between the equipment and the receiver

Connect the equipment to an outlet on a circuit different from that

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,

changes or modifications in construction of this device which are not

expressly approved by the party responsible for compliance could void

FCC Radio Frequency Interference

High power radars are allocated as primary users of the 5.25 to 5.35 GHz

and 5 65 to 5 85 GHz hands. These radar stations can cause interference

with and/or damage this device. This device cannot be co-located with

Requirements (for UNII devices)

including interference that may cause undesired operation. Any

FCC NOTICE

Open Source Software

(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

this product. This offer is valid to anyone in receipt of this information.



FCC RF Radiation Exposure Statement

- (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

WARNING!

- Never place a television set in an unstable location. A television set ma fall, causing serious personal injury or death. Many injuries, particularly
- to children, can be avoided by taking simple precautions such as:
- Using cabinets or stands recommended by the manufacturer of the television set. Only using furniture that can safely support the television set
- · Ensuring the television set is not overhanging the edge of the supporting furniture.
- Not placing the television set on tall furniture (for example cupboards or bookcases) without anchoring both the furniture and
- the television set to a suitable support. Not placing the television set on cloth or other materials that may be located between the television set and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television set or its controls
- If your existing television set is being retained and relocated, the same considerations as above should be applied.

NOTE TO CABLE/TV INSTALLER

(For USA)

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.

Symbols

| \sim | Refers to alternating current (AC). | |
|--------|-------------------------------------|--|
| | Refers to direct current (DC). | |
| | Refers to class II equipment. | |
| Ģ | Refers to stand-by. | |
| | Refers to "ON" (power). | |
| 4 | Refers to dangerous voltage | |

LG Take-back & Recycling Policy

LG Electronics offers a customized e-waste take-back & recycling service that meets local needs and requirements in the countries when e-waste regulations are in place, and also provides product take-back & recycling service voluntarily in some regions. I G Electronics evaluate products' recyclability at the design step selectively, with the goal of

oving recyclability where practicable. Through these activities IG 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

anufacturers, retailers and the rest of the consumer electronic

naking home entertainment safe and eniovable.

nay fall over, resulting in injury

over, pulled or grabbed.

installation

YOUR HOME

vers to climb

1any new tele

and weight

ability to safely mount your television.

THE CONSUMER ELECTRONICS INDUSTRY CARES

WALL OR CEILING MOUNT YOUR TELEVISION

fety certification by an independent laboratory (such as UL, CSA, ETL)

block construction. If you are unsure, contact a profess

ALWAYS follow all instructions supplied by the television and mount manufacturers

ALWAYS contact your retailer about professional installation if you have any doubts about you

ALWAYS use a mount that has been recommended by the television manufacturer and has a

ALWAYS make sure that the wall or ceiling where you are mounting the television is appropriate

Televisions can be heavy. A minimum of two people is required for a wall or ceiling moun

MOVING AN OLDER TELEVISION TO A NEW PLACE IN

purchase of a flat-panel television. Special care should be made in the placement of older CRT

ALWAYS place your older CRT television on furniture that is sturdy and appropriate for its size

NEVER place your older CRT television on a dresser where children may be tempted to use the

ALWAYS make sure your older CRT television does not hang over the edge of your furniture

CE.org/safety

yers move their older CRT televisions into a secondary room after th

iii CEA

some mounts are not designed to be mounted to walls and ceilings with steel studs or cinder

s you enjoy your television, please note that all televisions – new and old- must be supported or

proper stands or installed according to the manufacturer's recommendations. Televisions that

re inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests, carts, etc.,

(For USA)



TUNE IN TO SAFETY ALWAYS follow the manufacturer's recommendations for the safe installation of your television. ALWAYS read and follow all instructions for proper use of your television NEVER allow children to climb on or play on the television or the furniture on which the te NEVER place the television on furniture that can easily be used as steps, such as a chest o 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



REFURBISHED PRODUCT LIMITED NINETY DAYS WARRANTY

The Refurbished Product Service Center offers the following WARRANTY to the ORIGINAL purchaser of a product which we have refurbished.

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 item, 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 materials 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, or tampered with.

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 otherwise

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 of the shipping carton.

Owner's Information (Keep for your permanent records) NAME: ADDRESS: CITY: _ STATE: _____ ZIP CODE: ___ PHONE: E-MAIL: MODEL: SERIAL NO.:

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 mode

The cables mentioned in this guide is not supplied with your unit.

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FCC ID: BEJLGSBWACO IC: 2703H-LGSBWACO2