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LED TV\*

OWNER'S MANUAL

+ LG LED TV applies LCD screen with LED backlights.

Safety and Reference

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

+MFL71437803\*

(2007-REV02)

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Warning! Safety Instructions

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

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

REFER TO QUALIFIED SERVICE PERSONNEL.

This 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.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

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

Near kitchen counters or humidifiers where they can easily be

An area exposed to rain or wind.

Do not expose to dripping or splashing and do not place objects

Near flammable objects such as gasoline or candles. or expose

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

Do not install the product on a carpet or cushion.

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

- Take care not to touch the ventilation openings. When watching
- Protect the power cord from physical or mechanical abuse. such as
- 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
- Do not connect too many devices to the same AC power outlet as
- Disconnecting the Device from the Main Power

The power plug is the disconnecting device. In case of an

- 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.

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- Grounding (Except for devices which are not grounded.)

TV with a three-prong grounded AC plug must be connected to

- 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
- Do not insert metallic or inflammable objects into the product. If a
- Do not touch the end of the power cord while it is plugged in. You
- If any of the following occur, unplug the product

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
- Do not attempt to modify this product in any way without written
- 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
- Handle the adapter carefully to avoid dropping or striking it. An
- To reduce the risk of fire or electrical shock, do not touch the TV
- Batteries

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

Do not short circuit, disassemble, or allow the batteries to

Caution: Risk of fire or explosion if the battery is replaced by an

- Moving

When moving, make sure the product is turned off, unplugged.

- Keep the packing anti-moisture material or vinyl packing out of the
- Do not allow an impact shock, any objects to fall into the product.
- Do not press strongly upon the panel with a hand or a sharp
- Cleaning

When cleaning, unplug the power cord and wipe gently with a

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Preparing

- If the TV is turned on for the first time after it was shipped from the
- Image shown may differ from your TV.
- Your TV's OSD (On Screen Display) may differ slightly from that
- The available menus and options may differ from the input source
- New features may be added to this TV in the future.
- The device must be easily accessed to a location outlet near the
- The items supplied with your product may vary depending on the
- Product specifications or contents of this manual may be changed
- For an optimal connection, HDMI cables and USB devices should

+A ≤ 10 mm

+B ≤ 18 mm

- Use a certified cable with the HDMI logo attached.
- If you do not use a certified HDMI cable, the screen may not display
- Recommended HDMI Cable Types

Ultra High Speed HDMI/ cable (3 m or less)

Separate Purchase

Separate purchase items can be changed or modified for quality improvement without any notification. Contact your dealer to buy these items. These devices only work with certain models.

The model name or design may be changed depending on the upgrade of product functions, manufacturer's circumstances or policies.

Magic Remote Control

(Depending on 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.

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Wall Mounting Bracket

(Depending on model)

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

Model

UN71\* 43/50UN73\* 43/50UN74\* 43/50UN80\* UN81\*

49/55UN71\* 49/55UN73\* 49/55UN74\* UN80\* UN81\*

VESA (A x B) (mm) 200 x 200 300 x 300

Standard screw M6

Number of screws

Wall mount bracket LSW240B

MSW240

## **OLW480B MSW240**

Model

60/65UN71\* UN73\* UN74\* UN80\* UN81\* UN85\*

UN70\* 70/75UN71\* UN73\* UN74\* UN70\* UN81\* 75/82/86UN85\*

VESA (A x B) (mm) 300 x 300 600 x 400

Standard screw M6 M8

Number of screws

Wall mount bracket OLW480B LSW640B

Lifting and moving the TV

Please note the following advice 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
- Before moving or lifting the TV. disconnect the power cord and
- When holding the TV. the screen should face away from you to
- Hold the top and bottom of the TV frame firmly. Make sure not to
- When transporting a large TV. there should be at least 2 people.
- When transporting the TV by hand. hold the TV as shown in the
- When transporting the TV. do not expose the TV to jolts or
- When transporting the TV. keep the TV upright. never turn the TV
- Do not apply excessive pressure to cause flexing / bending of frame
- When handling the TV. be careful not to damage the protruding

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- Avoid touching the screen at all times. as this may result in
- When attaching the stand to the TV set. place the screen

Mounting on the Table

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

- Leave a 10 cm (minimum) space from the wall for proper

10 cm

10 cm

10 cm

10 cm

10 cm

(Depending on model)



2 Connect the power cord to a wall outlet.

- Do not apply foreign substances (oils, lubricants, etc.) to
- If you install the TV on a stand, you need to take actions
- 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 inserted correctly and

#### Securing TV to the Wall

(Depending on model)

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

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

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

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

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

- Use a platform or cabinet that is strong and large enough to
- Brackets, bolts and ropes are not provided. You can obtain

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#### Mounting to the Wall

Attach an optional wall mount bracket at the rear of the TV carefully and install the wall mount bracket on a solid wall perpendicular to the floor. When you attach the TV to other building materials, please contact qualified personnel. LG recommends that wall mounting be performed by a qualified professional installer. We recommend the use of LG's wall mount bracket. LG's wall mount bracket is easy to move with cables connected. When you do not use LG's wall mount bracket, please use a wall mount bracket where the device is adequately secured to the wall with enough space to allow connectivity to external devices. It is advised to connect all the cables before installing fixed wall mounts.

10 cm

10 cm

10 cm

10 cm

10 cm

(Depending on model)

- Remove the stand before installing the TV on a wall



- For more information of screws and wall mount bracket.
- If you intend to mount the product to a wall. attach VESA
- When mounting a TV on the wall. make sure not to install
- Do not install this product on a wall if it could be exposed

UN74\*

UN81\*

- Do not use a sharp object when you detached the cable
- When installing the wall mounting bracket. it is recommended to

Stand hole

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External Devices

Available external devices are: Blu-ray player. HD receivers. DVD players.

VCRs. audio systems. USB storage devices. PC. gaming devices. and other external devices.

- The external device connection may differ from the model.
- Connect external devices to the TV regardless of the order of the TV port.
- If you record a TV program on a Blu-ray/DVD recorder or VCR. make
- Refer to the external equipment's manual for operating
- If you connect a gaming device to the TV. use the cable supplied
- In PC mode. there may be noise associated with the resolution.
- In PC mode. some resolution settings may not work properly
- If ULTRA HD content is played on your PC. video or audio may
- When connecting via a wired LAN. it is recommended to use a CAT 7 cable. (Only when port is provided.)

Using Button

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

Basic functions

Power On (Press) Power Off 1 (Press and Hold) Menu Control (Press 2) Menu Selection (Press and Hold 3)

1 All running apps will close. and any recording in progress will stop.

(Depending on country)

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.

Turns the power off.

Changes the input source.

Adjusts the volume level.

Scrolls through the saved programmes.

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Using Remote Control

(Depending on 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.

To replace batteries, open the battery cover, replace batteries (1.5 V AAA) matching the ends to the label inside the

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

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

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

(POWER) Turns the TV on or off.

Selects Radio, TV and DTV programme.

(SEARCH) Check for recommended content. (Some

Search for content such as TV programmes, movies and other videos, or perform a web search by entering text in the search bar.

Recalls your preferred subtitle in digital mode.

(Q. Settings) Accesses the Quick Settings. (INPUT) Changes the input source.

Number buttons Enters numbers.

Accesses the [Quick Help].

Accesses the saved programmes list. (MORE ACTIONS) Displays more remote control functions.

Edits QUICK ACCESS.

QUICK ACCESS is a feature that allows you to enter a specified app

Adjusts the volume level.

Audio descriptions function will be enabled.

Accesses your favorite channel list.

Shows programme guide.

(MUTE) Mutes all sounds. (MUTE) Accesses the [Accessibility] menu.

Scrolls through the saved programmes.

1 Streaming Service buttons Connects to the Video Streaming Service.

(HOME) Accesses Home menu. (HOME) Shows the previous history.

Set the sleep timer.

Returns to the previous level.

Clears on-screen displays and returns to TV viewing.

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

(OK) Selects menus or options and confirms your input. (Teletext buttons) These buttons are used for

Starts to record and displays record menu. (Only Time MachineReady supported model)

(Energy Saving) Adjusts the brightness of the screen to

(Control buttons) Control buttons for media

These access special functions in some menus.

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Using Magic Remote Control

(Depending on 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 battery.

To replace batteries, open the battery cover, replace batteries (1.5 V AA) matching the and ends to the label inside the compartment.

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

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

(POWER) Turns the TV on or off.

You can turn your set-top box on or off by adding the set

Accesses the [Quick Help]. (DASH) Inserts a between numbers such as 2-1 and 2-2.

Accesses the saved programmes list.

(MORE ACTIONS) Displays more remote control functions.

Edits QUICK ACCESS.

QUICK ACCESS is a feature that allows you to enter a specified app

Audio descriptions function will be enabled.

Adjusts the volume level.

(MUTE) Mutes all sounds. (MUTE) Accesses the [Accessibility] menu.

Scrolls through the saved programmes.

(Voice recognition) Network connection is required to use the

Check for recommended content. (Some recommended services may not be available in some countries.)

(Voice recognition) Speak while pressing and holding the

(HOME) Accesses the Home menu. (HOME) Shows the previous history.

(Q. Settings) Accesses the Quick Settings. (Q. Settings) Displays the [All Settings] menu.

Wheel (OK) Press the center of the button to select a menu.

You can change programmes by using the button.

(up/down/left/right) Press the up. down. left or right

Returns to the previous level.

Clears on-screen displays and returns to last input

Shows programme guide.

1 Streaming Service buttons Connects to the Video Streaming Service.

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(INPUT) Changes the input source. (INPUT) Accesses the [Home Dashboard].

Displays the set-top box Home menu.

When you are not watching via a set-top box: the display changes

Runs the record function.

(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

+ If the TV fails to register the Magic Remote. try again after turning

## How to deregister the Magic Remote Control

Press the and (HOME) buttons at the same time. for

+ Press and hold the button for more than 5 seconds to

- Do not mix new batteries with old batteries. This may
- Failure to match the correct polarities of the battery
- This apparatus uses batteries. In your community there
- Batteries inside or inside the product shall not be exposed

## User Guide

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

- To open the USER GUIDE

→ [Support] → [User

Guide]

## Troubleshooting

Cannot control the TV with the remote control.

- Check the remote control sensor on the product and try again.
- Check if there is any obstacle between the product and the remote
- Check if the batteries are still working and properly installed (

No image display and no sound is produced.

- Check if the product is turned on.
- Check if the power cord is connected to a wall outlet.
- Check if there is a problem in the wall outlet by connecting other

The TV turns off suddenly.

- Check the power control settings. The power supply may be
- Check if the auto-off function is activated on the settings related
- If there is no signal while the TV is on. the TV will turn off

When connecting to the PC (HDMI). no signal is detected.

- Turn the TV off/on using the remote control.
- Reconnect the HDMI cable.
- Restart the PC with the TV on.

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Abnormal Display

- If the product feels cold to the touch. there may be a small “flicker”
- This panel is an advanced product that contains millions of pixels.

You may see tiny black dots and/or brightly coloured dots (red. blue or green) at a size of 1 ppm on the panel. This does not indicate a malfunction and does not affect the performance and reliability of the product.

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

- You may find different brightness and colour of the panel
- Displaying a still image for a prolonged period of time may cause

Generated Sound

- “Cracking” noise: A cracking noise that occurs when watching or
- Electrical circuit humming/panel buzzing: A low level noise is
- When cleaning the product. be careful not to allow any
- 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

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(Except for 86/82/75/65UN85\*)

Wireless module (LGSBWAC02) specifications

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

Frequency Range Output Power (Max.)

2400 to 2483.5 MHz 5150 to 5725 MHz 5725 to 5850 MHz

17 dBm 19 dBm 10.5 dBm

Bluetooth

Frequency Range Output Power (Max.)

2400 to 2483.5 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 frequency table.

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

+ IEEE 802.11ac is not available in all countries.

Environment condition

Operating Temperature 0 °C to 40 °C

Operating Humidity Less than 80 %

Storage Temperature 20 °C to 60 °C

Storage Humidity Less than 85 %

- 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 on the model or country, the typical power consumption may not be on label.

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Open Source Software Notice Information

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

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

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

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

Licenses

(Magic Remote supported models only)

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.

**Warning**

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

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