



OWNER'S MANUAL

LG Digital Signage

(MONITOR SIGNAGE)

Please read the user manual before using this product to ensure safe and convenient use.

55VM5R-H

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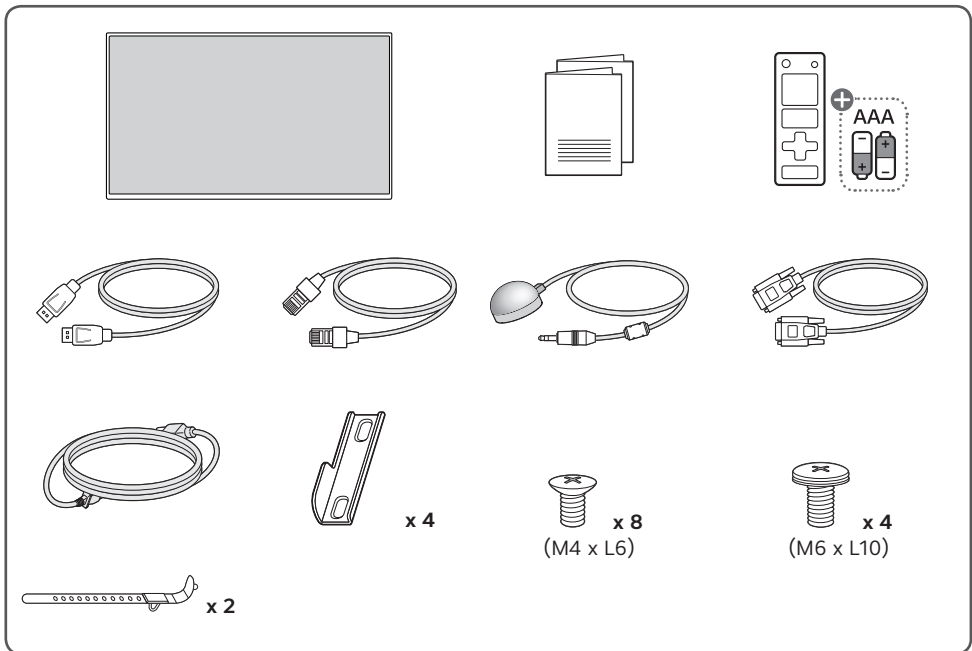
This product is not intended for household use.

BASIC

! NOTE

- The accessories provided with your product may vary depending on the model or region.
- Product specifications or contents in this manual may be changed without prior notice due to upgrade of product functions.
- SuperSign Software & Manual
 - Visit <http://partner.lge.com> to download the latest SuperSign software and manual.

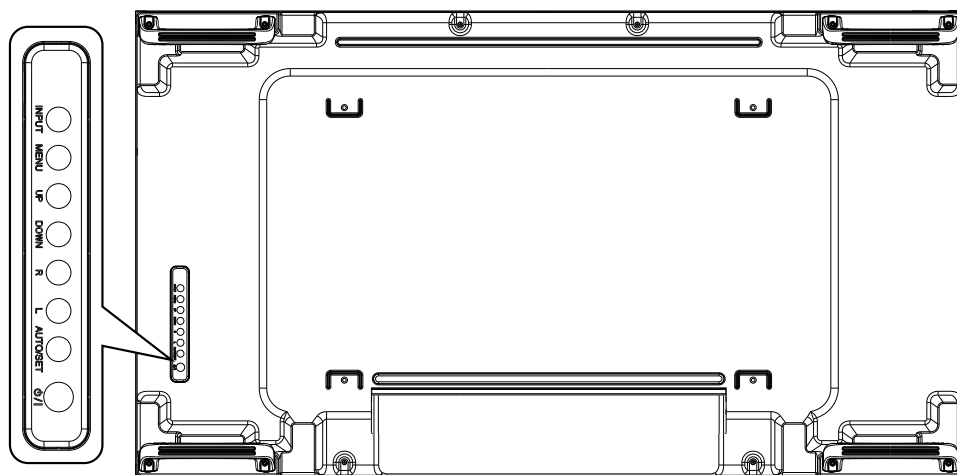
Checking the Accessories



+ Depending on country

Learning the Buttons

The illustrations may differ depending on the model.



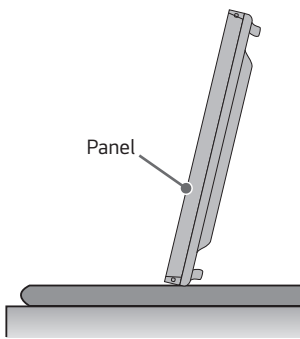
- **INPUT:** Change the input signal.
- **MENU:** Accesses the main menus, or saves your input and exits the menus.
- **UP/DOWN:** Adjust the up and down.
- **R/L:** Moves left and right.
- **AUTO/SET:** Displays the current signal and mode.
- **⏻/⏻:** Turns the power on or off.

GETTING READY

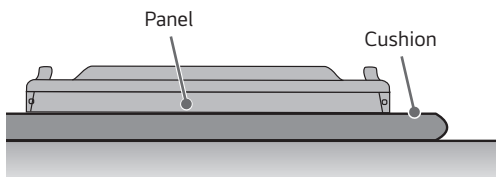
Storage Method for Panel Protection

Correct Method

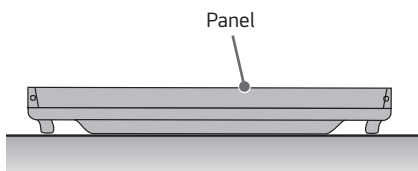
- 1 If the product needs to be set upright, hold both sides of the product, and tilt backward carefully for. Do not let the panel touch the floor.



- 2 When laying down the product, lay a cushion on a flat floor. Put the product on it with the panel of the product facing down.

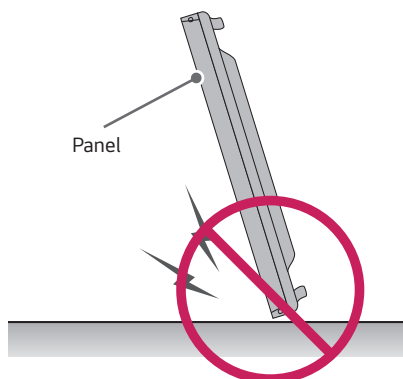


- 3 If there is not a cushion available, ensure the floor is clean and then lay the product down carefully with the panel facing either upward or downward. At this time, be careful for objects not to fall on the panel.

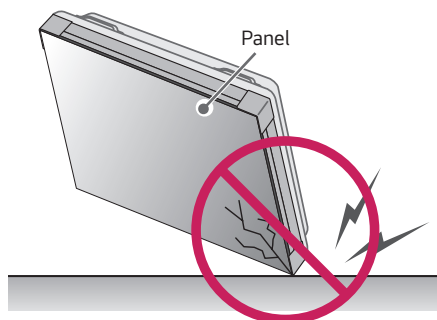


Incorrect Method

- 1 If the product is tilted onto the bezel, the bottom of the panel may be damaged.

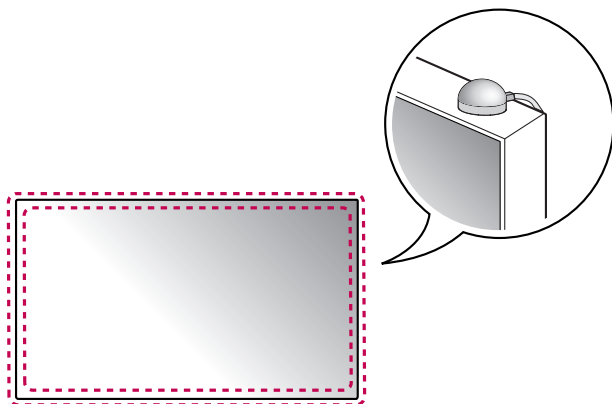


- 2 If the product is tilted toward the corner of the panel, the bottom of the panel may be damaged.



Connecting the IR Sensors

This allows a remote control sensor to be placed in a custom location.
Then that display can control other displays via an RS-232C cable.



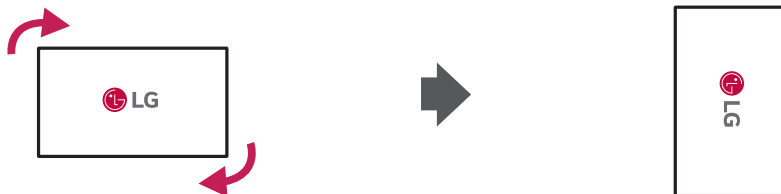
CHECKING BEFORE INSTALLATION

We are not responsible for product damage caused by failure to follow the guide.

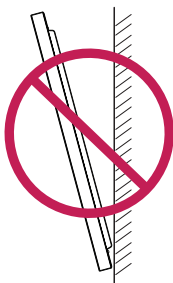
Installation Orientation

Using Vertically

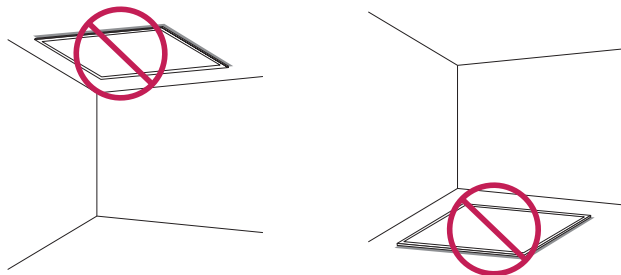
When installing vertically, rotate the monitor 90 degrees clockwise while facing the front of the screen.



Tilt Angle



Ceiling, Floor Orientation

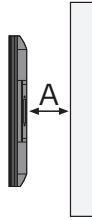
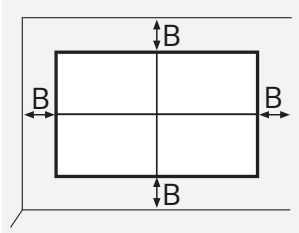


Installation Location

We are not responsible for product damage caused by failure to follow the guide.

Indoor

Installing on a Wall

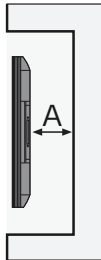
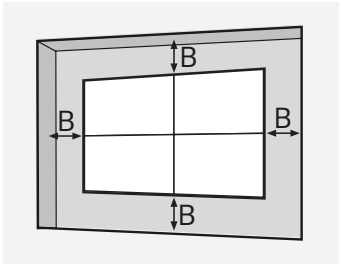


A: 200 mm or more

B: 100 mm or more

- The warranty will not cover any damage caused by using the product in direct sunlight on the front panel.

Installing on a Recessed Wall



A: 200 mm or more

B: 100 mm or more

- The warranty will not cover any damage caused by using the product in direct sunlight on the front panel.

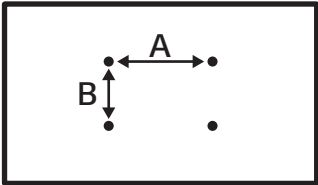
Outdoor

Outdoor Enclosed



Wall Mount Holder

To install the monitor on a wall, attach a wall mount holder to the back of the monitor. Take caution, and ensure that the wall mount holder is securely fixed to the monitor and to the wall. The VESA dimensions of the wall mount by model are as follows.



Model	VESA Dimensions (A x B) (mm)	Standard Dimensions	Length (Maximum) (mm)	Quantity
55VM5R-H	600 x 400	M6	16	4

CAUTION

- Disconnect the power cord first, and then move or install the monitor. Otherwise, it may result in electric shock.
- If the monitor is installed on a ceiling or inclined wall, it may fall and result in injury.
- Damage to the monitor by tightening the screws too tightly may void your warranty.
- Use screws and wall mount plates conforming to VESA standards. Breakage or personal injury due to use or misuse of inappropriate components is not covered by the warranty of this product.

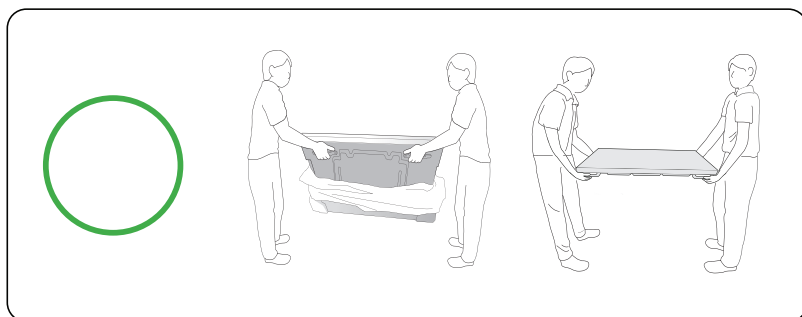
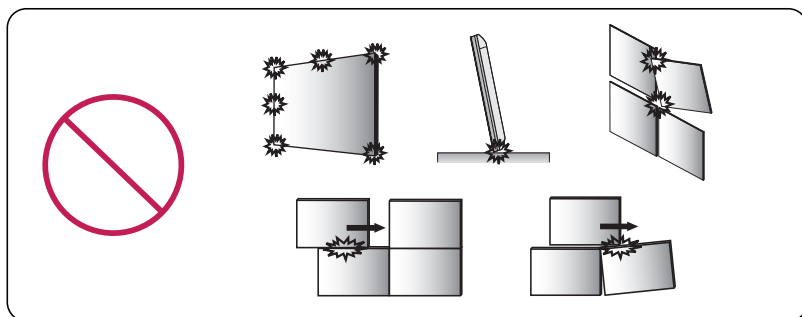
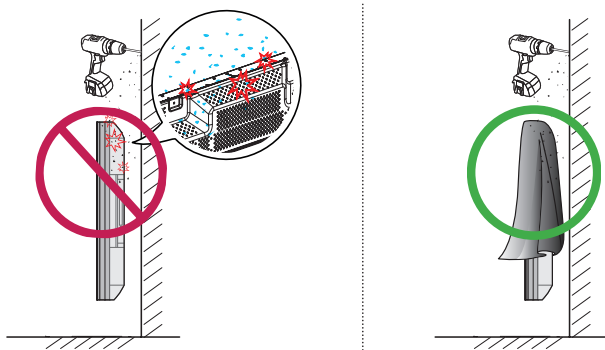
NOTE

- Using screws longer than the indicated depth may damage the inside of the product. Be sure to use the proper length.
- For more information on installation, please refer to the user manual for the wall mount.

Safety and Precaution Guide for Installation

During installation, ensure any conductive materials (metals, etc.) do not enter through the gaps or vent holes between the panel and the back cover.

- Covering the back of the product with a cloth may prevent foreign substances from entering the product and causing malfunction.
- Make sure to remove the cloth after the installation is complete.



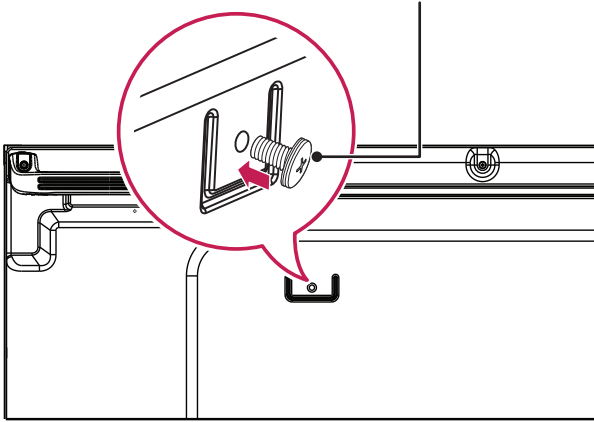
Tiling Displays

How to Mount the Set

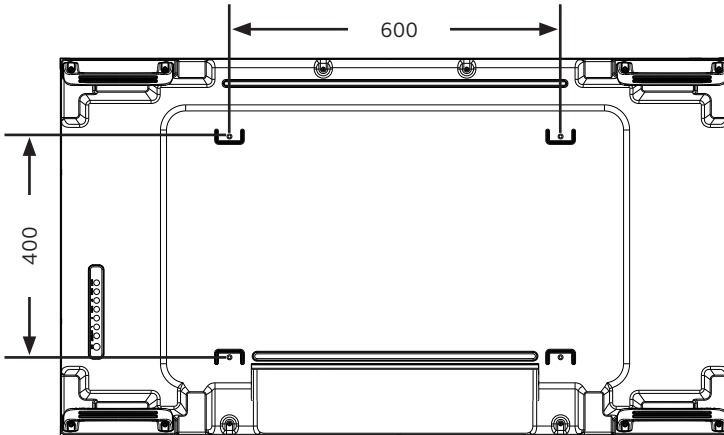
Example of 2 x 2 Tiling

Using the screws for attaching the VESA wall mount, mount the set to the wall mount plate or the wall.

Screws for attaching the VESA wall mount (M6)

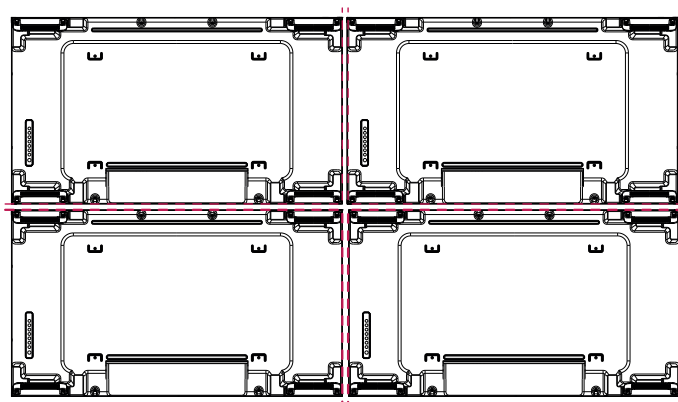


(Unit: mm)

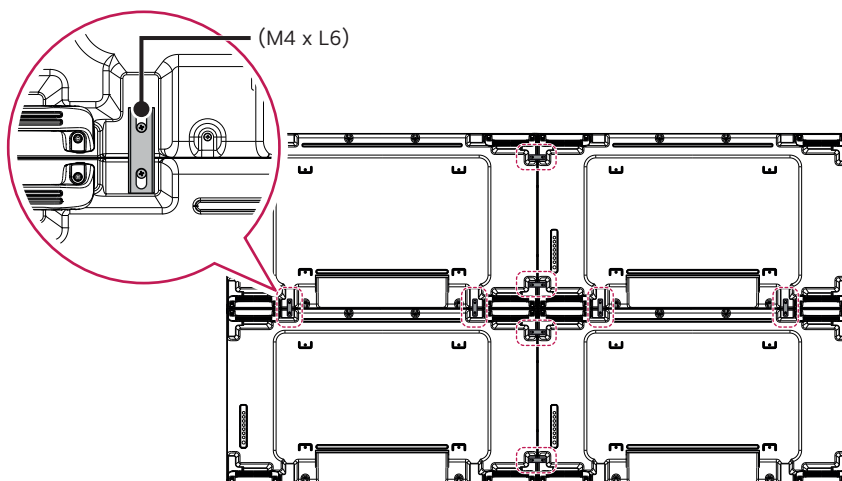


How to Join Sets

- 1 Install the additional sets using the VESA wall mounting screws by using the same method mentioned before.



- 2 Complete the 2 x 2 tiling. You can use various options of tiling including 3 x 3 by using the same method.



Completeness of the Set (2 x 2 tiling complete)

**CAUTION**

- Make sure to level the sets before tightening the tiling guide; doing so when the set axis is rotated may cause damage to the panel.

**NOTE**

- The load applied to each set should be supported by the wall mount plate or the wall using a VESA wall mount (600 x 400).
- The load applied to each set should be supported by the wall mount plate using a VESA wall mount. (Each set must be firmly mounted to the wall mount plate or the wall.)
- You may mount the set without using the tiling guide; this does not affect the performance of the device.
- The screws are enclosed with the other components in the box, including the tiling guides.

PRECAUTIONS FOR USE

Dust

The warranty will not cover any damage caused by using the product in an excessively dusty environment.

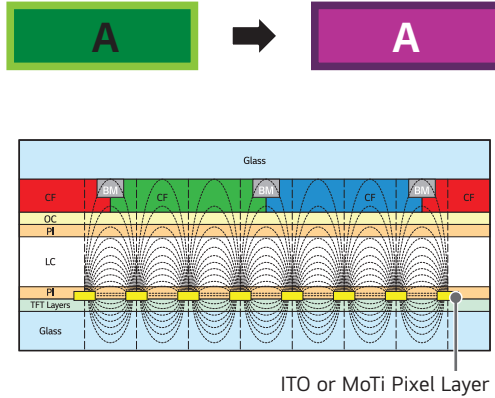
Afterimage

- After-image appears when the product is turned off.
 - Pixels may be damaged rapidly if a still image is displayed on the screen for a long period of time. Use the screen-saver function.
 - Switching from a screen with high differences in luminance (black and white or grey) to a darker screen may cause an afterimage. This is normal due to the display characteristics of this product.
- When the LCD screen is in a still pattern for extended periods of use, a slight voltage difference may occur between the electrodes that operate the liquid crystal (LC). The voltage difference between the electrodes increases over time and tends to keep the liquid crystal aligned in one direction. At this time, the previous image remains, which is called an afterimage.
- Afterimages do not occur when continuously changing images are used but take place when a certain screen is fixed for a long time. The following are operational recommendations for reducing the occurrence of afterimages when using a fixed screen. The maximum recommended time for switching the screen is 12 hours. Shorter cycles are better for preventing afterimages.

- Recommended Usage Condition

1 Change the background colour and text colour at equal intervals.

- Afterimages occur less when the colours to be changed are complementary to one another.



2 Switch the screen at equal time intervals.

- Take caution, and ensure that text or images from before the screen change are not left in the same location after the screen change.



PRODUCT SPECIFICATIONS

Without prior notice, all product information and specifications contained in this manual are subject to change to improve the performance of the product.

Input/Output Ports	LAN IN, LAN OUT, USB 2.0 IN, HDMI IN 1, HDMI IN 2, DP IN, DP OUT, AUDIO OUT, RS-232C IN, RS-232C OUT, IR IN	
Resolution	Recommended Resolution	1920 x 1080 @ 60 Hz
	Max Resolution	3840 x 2160 @ 60 Hz (HDMI1/2, DisplayPort)
Power Voltage	100-240 V~ 50/60 Hz 2.5 A	
Environmental Conditions	Operating Temperature	0 °C to 40 °C
	Operating Humidity	10 % to 80 % (Condition for preventing condensation)
	Storage Temperature	-20 °C to 60 °C
	Storage Humidity	5 % to 85 % (Condition for preventing condensation) * Product box packaging storage conditions
Size (Width x Height x Depth) / Weight	1212.7 mm x 683.5 mm x 90.1 mm / 20.1 kg	

HDMI / DisplayPort (PC Mode)

Resolution	Horizontal frequency (kHz)	Vertical frequency (Hz)	Remark
800 x 600	37.879	60.317	HDMI1/2, DisplayPort
1024 x 768	48.363	60	
1280 x 720	44.772	59.855	
1280 x 1024	63.981	60.02	
1680 x 1050	65.29	59.954	
1920 x 1080	67.5	60	
3840 x 2160	67.5	30	
3840 x 2160	135	60	

HDMI / DisplayPort (DTV Mode)

Resolution	Horizontal frequency (kHz)	Vertical frequency (Hz)	Remark
480/60p	31.5	60	HDMI1/2, DisplayPort
576/50p	31.25	50	
720/50p	37.5	50	
720/60p	45	60	
1080/50i	28.1	50	
1080/60i	33.75	60	
1080/50p	56.25	50	
1080/60p	67.432	59.94	
1080/60p	67.5	60	
2160/30p	67.5	30	
2160/50p	112.5	50	
2160/60p	135	60	

! NOTE

- When the cable is connected to the DVI-D, HDMI or the DisplayPort, you can select the PC/DTV mode optionally. It is recommended that you select PC mode when connecting to a PC and select DTV mode when connecting to other devices. The DTV mode refers to all modes excluding the PC mode.
- Horizontal frequency: The horizontal interval is the time taken to display one horizontal line. When 1 is divided by the horizontal interval, the number of horizontal lines displayed every second can be tabulated as the horizontal frequency. The unit is kHz.
- Vertical frequency: The product display functions by the screen image changing dozens of times every second like a fluorescent lamp. The vertical frequency or refresh rate is the number of image displays per second. The unit is Hz.

LICENCE

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



The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

Manufactured under license from Dolby Laboratories. Dolby, Dolby Vision, Dolby Vision IQ, Dolby Audio, Dolby Atmos, and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.



CRESTRON CONNECTED



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. _____



This product qualifies for ENERGY STAR®.

Changing the factory default configuration and settings or enabling certain optional features and functionalities may increase energy consumption beyond the limits required for ENERGY STAR® certification.

Refer to ENERGYSTAR.gov for more information on the ENERGY STAR® program.

Temporary noise is normal when powering ON or OFF this device.