OWNER'S MANUAL

LG Digital Signage

(MONITOR SIGNAGE)

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

98UH5Q-H

110UH5Q-H

MFL05880101
(2604-REV00)

www.lg.com

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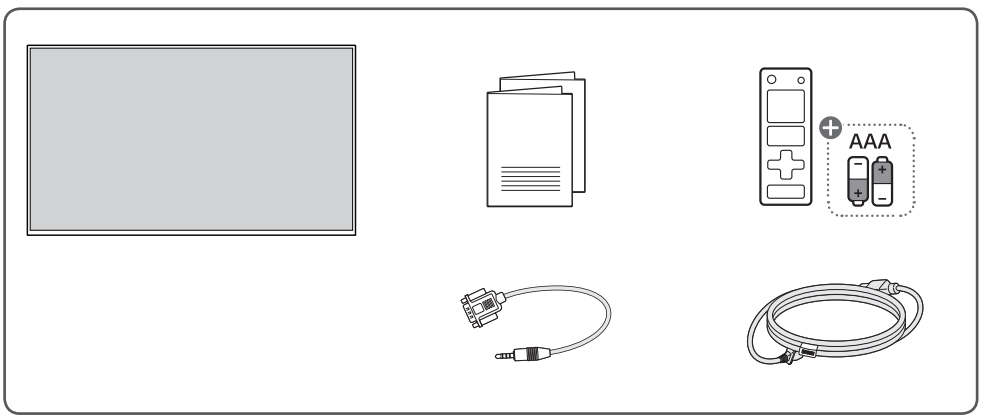
WARNING - This product is not intended for household use.

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 *https://partner.lge.com* to download the latest SuperSign software and manual.

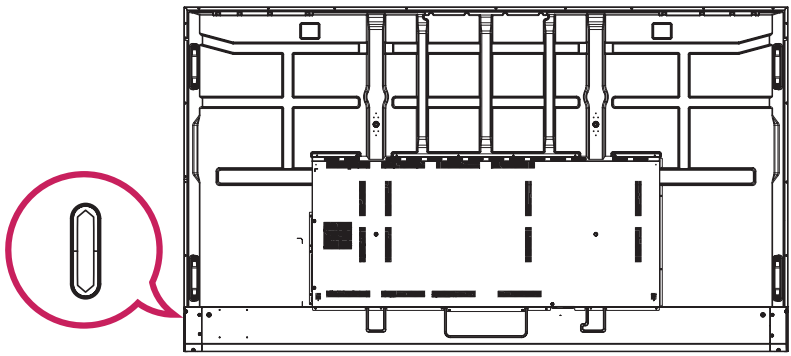
Checking the Accessories



Depending on country

Learning the Buttons

The illustrations may differ depending on the model.



Power On (Press)
Power Off (Press and Hold)

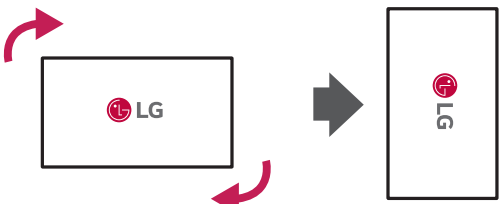
CHECKING BEFORE INSTALLATION

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

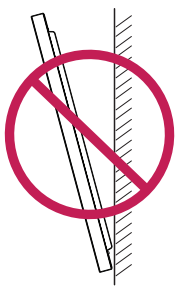
Installation Orientation

Using Vertically

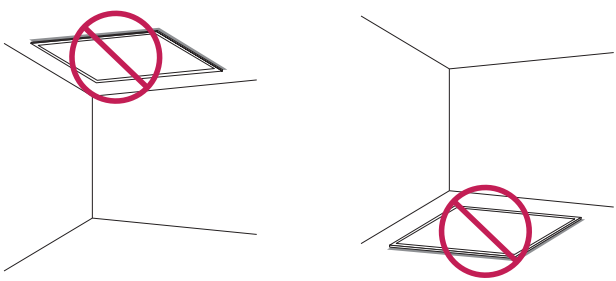
When installing vertically, rotate the monitor 90 degrees clockwise while facing the front of the screen.



Tilt Angle



Ceiling, Floor Orientation

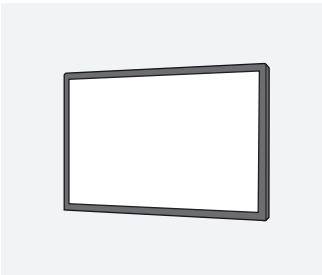


Installation Location

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

Indoor

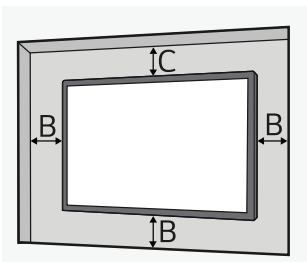
Installing on a Wall

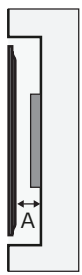


A : 50 mm or more

- The warranty will not cover any damage caused by using the product in direct sunlight on the front panel.
- Leave sufficient space around the product so that the ventilation vents of the product are not blocked.

Installing on a Recessed Wall





A : 50 mm or more

B : 50 mm or more

C : 70 mm or more

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

Outdoor

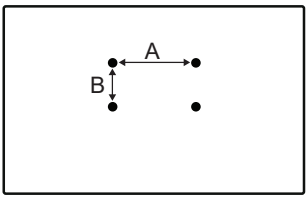
Outdoor Enclosed

Wall Mount Holder

To install the monitor on a wall, attach a wall mount holder (optional) to the back of the monitor.

Take caution, and ensure that the wall mount holder (optional) is securely fixed to the monitor and to the wall.

The VESA dimensions of the wall mount by model are as follows.



Model	VESA (A x B) (mm)	Standard screw	Length (Max) (mm)	Number of screws
98UH5Q-H	800 x 400	M8	20	4
110UH5Q-H	800 x 600	M8	20	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.

(Australia only)

- This product must be installed by a professional installer.
- After the installation of the product in the customer premises, fully remove all product packaging (including any expanded or moulded plastic packaging materials) and recycle or dispose of such packaging responsibly. Do not dispose any expanded plastic packaging in the household bin.

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.

PRECAUTIONS FOR USE

Dust

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

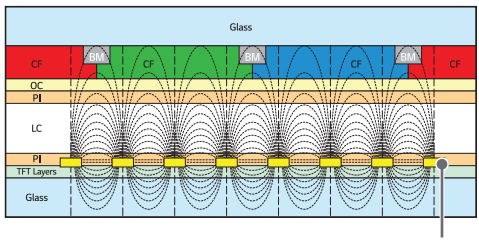
Afterimage

- 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

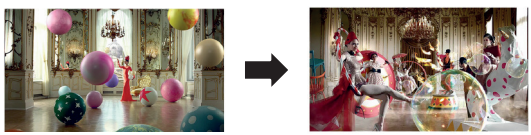
1 Change the background colour and text colour at equal intervals.

- 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.



DPM (Standby Mode) Wake up Control

HDMI3 input do not support DPM (Standby Mode) wake up control function.

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, USB 2.0, HDMI™ 1, HDMI™ 2, HDMI™ 3, AUDIO OUT, RS232C IN, RS232C OUT	
Resolution	Recommended Resolution	3840 x 2160 @ 60 Hz (HDMI1/2/3) - This may not be supported on some OS or graphics card types.
	Max Resolution	
Embedded battery	Applied	
Environmental Conditions	Operating Temperature	0 °C to 40 °C * Portrait Scene : 0 °C to 35 °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

NOTE

- HDMI3 input do not support DPM (Standby Mode) wake up control function.

98UH5Q-H

Power Voltage	100-240 V~ 50/60 Hz 4.0 A
Size (Width x Height x Depth) / Weight	2198.9 mm x 1254.6 mm x 68.6 mm / 53.6 kg

110UH5Q-H

Power Voltage	100-240 V~ 50/60 Hz 5.0 A
Size (Width x Height x Depth) / Weight	2481.7 mm x 1410.8 mm x 68.6 mm / 64.45 kg

HDMI (PC Mode)

Resolution	Horizontal frequency (kHz)	Vertical frequency (Hz)	Remark
800 x 600	37.879	60.317	HDMI1/2/3
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 (DTV Mode)

Resolution	Horizontal frequency (kHz)	Vertical frequency (Hz)	Remark
480/60p	31.5	60	HDMI1/2/3
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

- 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.

Wireless module (LGSBWAC92) Specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency range (MHz)	**Output power (Max.) (dBm)**
2400 to 2483.5	18
5150 to 5725	18
5725 to 5850	12
Bluetooth	
Frequency range (MHz)	**Output power (Max.) (dBm)**
2400 to 2483.5	8

- 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.

LICENCE

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

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

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CRESTRON
CONNECTED

TO SEE THE WEB MANUALS (SOFTWARE USER GUIDE / INSTALLATION MANUAL)

You can find more information about the LG Digital Signage (Monitor Signage) in the web manuals (Software User Guide / Installation Manual).

For more information, visit the LG website at *http://partner.lge.com*.

* 98UH5Q-H model only

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.

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.

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