



OWNER'S MANUAL

LG Digital Signage

(MONITOR SIGNAGE)

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

98UM5K-B

110UM5K-B

www.lg.com

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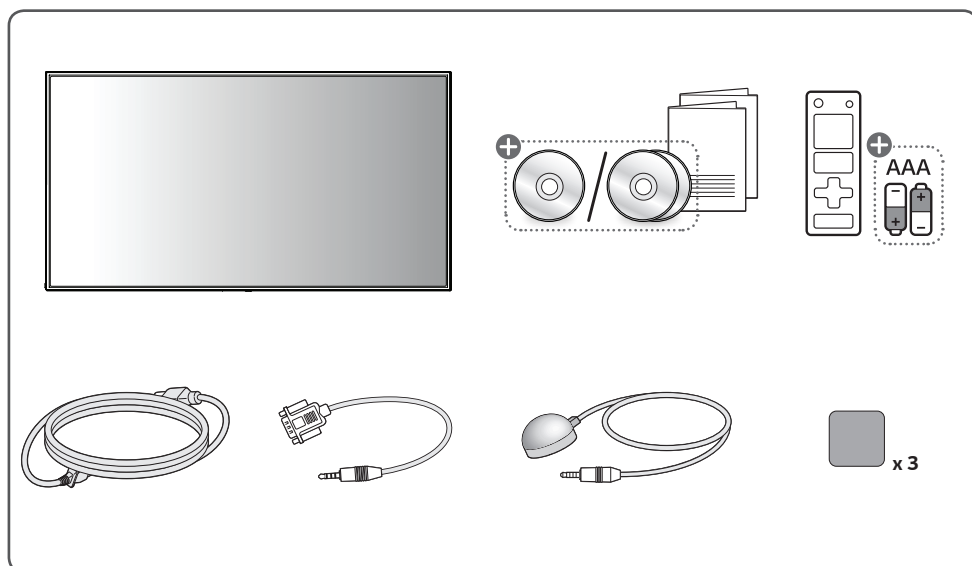
WARNING - This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

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

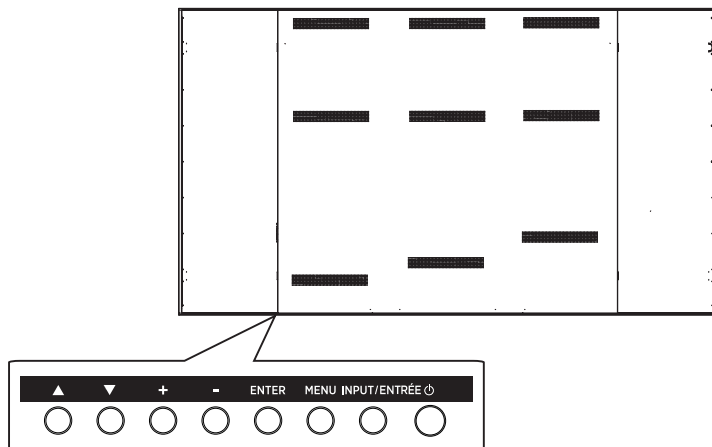


+ Depending on country

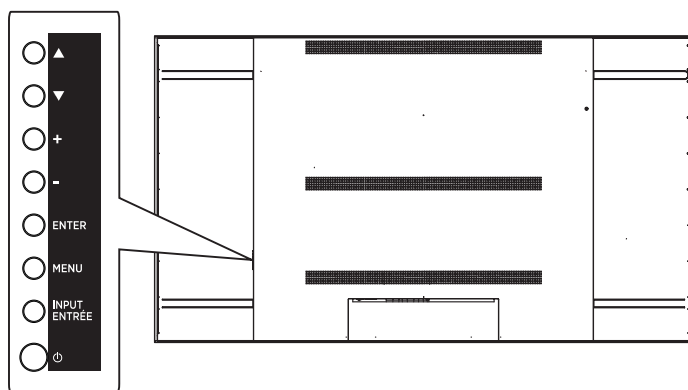
Learning the Buttons

The illustrations may differ depending on the model.

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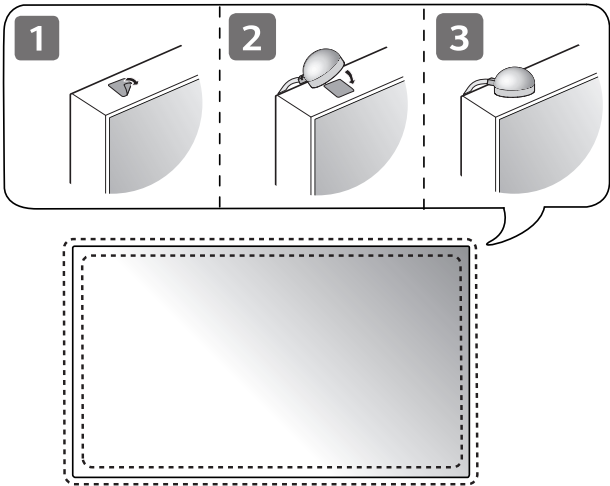
- ▲ ▼: Adjusts up and down.
- + -: Moves left and right.
- **ENTER**: Displays the current signal and mode.
- **MENU**: Accesses the main menus, or saves your input and exits the menus.
- **INPUT/ENTRÉE**: Change the input signal.
- ⏻: Turns the power on and off.

GETTING READY

External Equipment Setup

IR Receiver

This allows a remote control sensor to be placed in a custom location.

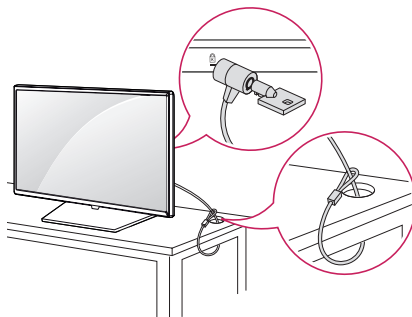


Kensington Lock Device

(This feature applies only to some models.)

The Kensington lock device connector is located on the back of the monitor. For more information on installation and use, refer to the user manual provided with the locking device.

Connect the Kensington security system cable between the monitor and a table.



! NOTE

- The Kensington lock device is an optional specification.
- This is a general illustration of installation and may look different from the product held by the customer.

CHECKING BEFORE INSTALLATION

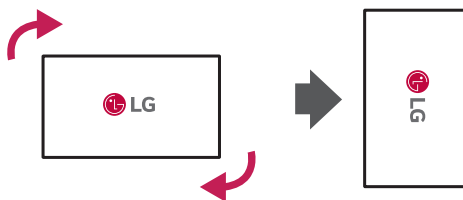
We are not responsible for product damage caused by failure to follow the guide.

Installation Orientation

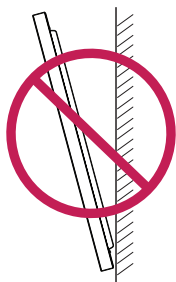
Using Vertically

(98UM5K-B Only)

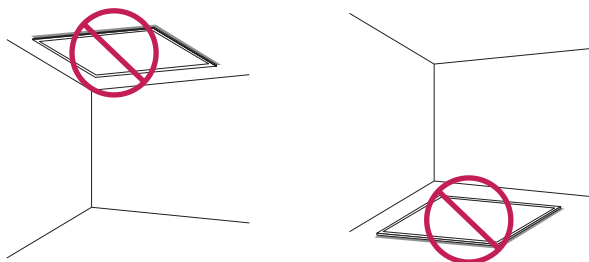
When installing vertically, rotate the monitor 90 degrees clockwise while facing the front of the screen.



Tilt Angle



Ceiling, Floor Orientation

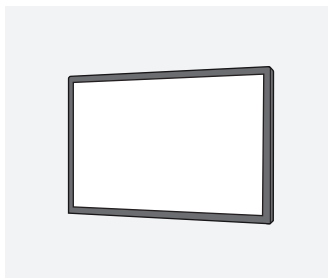


Installation Location

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

Indoor

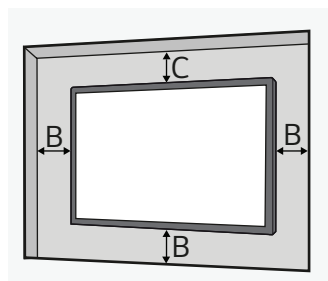
Installing on a Wall



A: 40 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: 40 mm or more

B: 50 mm or more

C: 100 mm or more

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

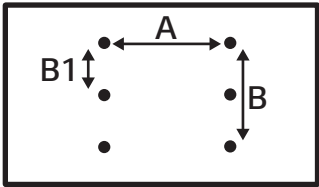
Outdoor

Outdoor Enclosed

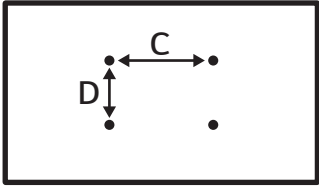


Wall Mount Holder


To install the monitor on a wall, attach a wall mount holder (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 Wall Bracket dimensions of the wall mount by model are as follows.



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Model	Wall Bracket Dimensions (A x B) (mm)	Standard Dimensions	Length (Maximum) (mm)	Quantity
98UM5K-B	800 x 800 (B1: 400)  CAUTION • Fix all 6 screw holes of A x B1 (800 x 400), A x B (800 x 800).	M8	20	6
Model	Wall Bracket Dimensions (C x D) (mm)	Standard Dimensions	Length (Maximum) (mm)	Quantity
110UM5K-B	1500 x 600	M8	30	4

CAUTION

- Fix all 6 screw holes of A x B1 (800 x 400), A x B (800 x 800). It may cause damage or malfunction of the product and such cases are not covered under warranty. (98UM5K-B Only)
- 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 Wall Mount 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.

PRECAUTIONS FOR USE

Dust

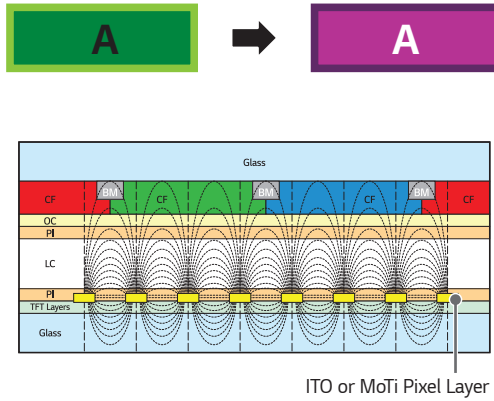
The warranty will not cover any damage caused by using the product in an excessively dusty environment.

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.

98UM5K-B		
Input/Output Ports	LAN IN, HDMI™ IN 1, HDMI™ IN 2, HDMI™ IN 3, DP IN, HDMI™ OUT, DVI-D IN, IR&LIGHT SENSOR, USB 2.0 IN, AUDIO IN, AUDIO OUT, RS-232C IN, RS-232C OUT	
Resolution	Recommended Resolution	HDMI1,2 / DisplayPort: 3840 x 2160 @ 60 Hz HDMI3: 3840 x 2160 @ 30 Hz DVI-D: 1920 x 1080 @ 60 Hz
	Max Resolution	- This may not be supported on some OS or graphics card types.
Power Voltage	100-240 V~ 50/60 Hz 5.8 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

110UM5K-B		
Input/Output Ports	LAN IN, HDMI™ IN 1, HDMI™ IN 2, HDMI™ IN 3, DP IN, HDMI™ OUT, DVI-D IN, IR&LIGHT SENSOR, USB 2.0 IN, AUDIO IN, AUDIO OUT, RS-232C IN, RS-232C OUT	
Resolution	Recommended Resolution	HDMI1,2 / DisplayPort: 3840 x 2160 @ 60 Hz HDMI3: 3840 x 2160 @ 30 Hz DVI-D: 1920 x 1080 @ 60 Hz
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Power Voltage	100-240 V~ 50/60 Hz 6.0 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

Model Name	Size (Width x Height x Depth) (mm)	Weight (kg)
98UM5K-B	2198 x 1253 x 79.5	78
110UM5K-B	2474 x 1408 x 99	80

HDMI / DVI-D / DisplayPort (PC) Support mode

Resolution	Horizontal frequency (kHz)	Vertical frequency (Hz)	Remark
800 x 600	37.879	60.317	
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	HDMI1/2/3, DisplayPort
3840 x 2160	135	60	HDMI1/2, DisplayPort

HDMI / DisplayPort (DTV) Support mode

Resolution	Horizontal frequency (kHz)	Vertical frequency (Hz)	Remark
480/60p	31.5	60	
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	HDMI1/2/3, DisplayPort
2160/50p	112.5	50	HDMI1/2, DisplayPort
2160/60p	135	60	HDMI1/2, DisplayPort

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
<ul style="list-style-type: none">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.	

(Only Nigeria)

Connection and use of this communication equipment is permitted by the Nigerian Communications Commission.

(Only Hong Kong)

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 5350	18
5725 to 5850	12
Bluetooth	
Frequency range (MHz)	Output power (Max.) (dBm)
2400 to 2483.5	8
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(Only Vietnam)

Wireless module (LGSBWAC92) Specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency range (MHz)	Output power (Max.) (dBm)
2400 to 2483.5	17.5
5150 to 5350	17.5
5725 to 5850	12
Bluetooth	
Frequency range (MHz)	Output power (Max.) (dBm)
2400 to 2483.5	8
<ul style="list-style-type: none">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.	

(Only Philippines)

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Frequency range (MHz)	Output power (Max.) (dBm)
2400 to 2483.5	18
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LICENCE

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



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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.