OWNER'S MANUAL

LG Digital Signage

(MONITOR SIGNAGE)

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

55XF3P-B

www.lg.com

Table of Contents

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

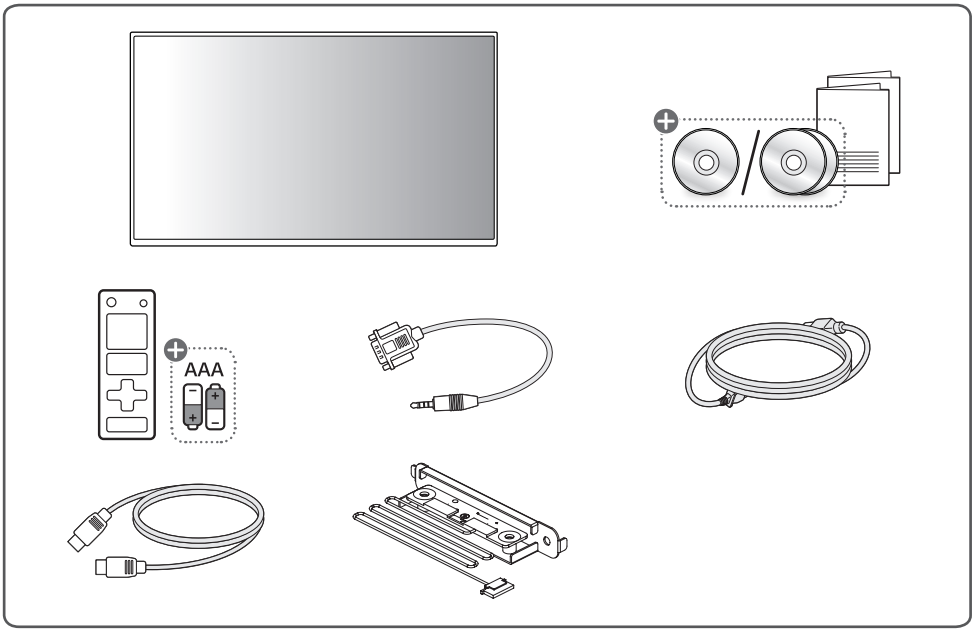
Basic

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 *http://partner.lge.com* to download the latest SuperSign software and manual.
- The warranty will not cover any damage caused by using the product in an excessively dusty environment.

Checking the Accessories

NOTE



⊕ Availability may vary depending on your geographic location.

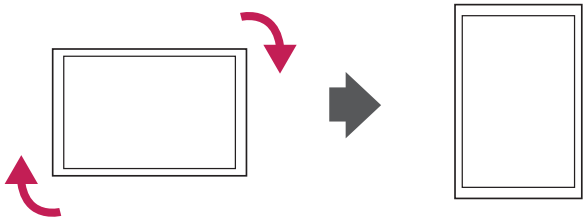
Checking Before Installation

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

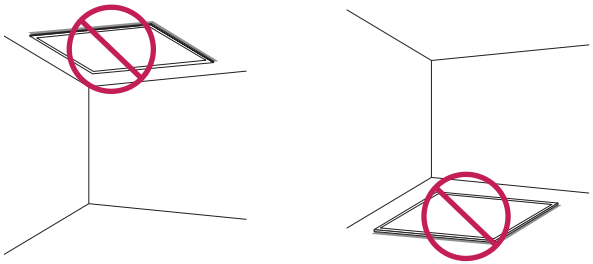
Installation Orientation

Using Vertically

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

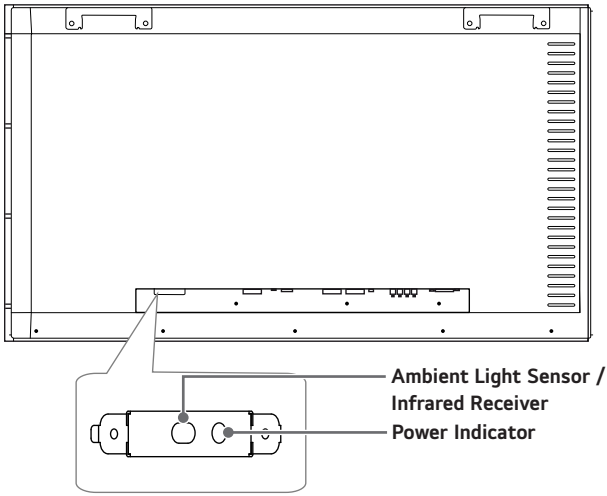


Ceiling, Floor Orientation



Parts

The illustrations may differ depending on the model.



Ambient Light Sensor: Adjusts the screen brightness by measuring the amount of light.

Infrared Receiver: The part that receives the signal from the remote control.

Power Indicator: Lights up red when the screen is turned on normally. The light turns orange when in sleep mode.

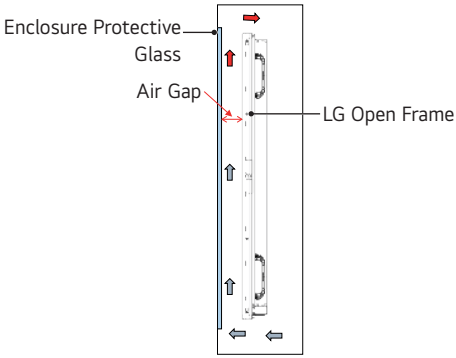
NOTE

- You can set the status of the power indicator in Installation → Signage Setup.
- You can adjust the volume by using the remote control.

Safety and Precaution Guide for Enclosure Installation

Enclosure Design Guide

- Design the heat dissipation system so that the panel surface temperature does not exceed 75 degrees under direct sunlight in the installation area. Quality assurance is not provided for failures such as yellowing and black circles that occur when the panel temperature exceeds 75 degrees due to lack of Air Gap 10 mm, not applying UV protection function, and insufficient heat dissipation performance.
- Observe the following to ensure that the panel surface temperature does not exceed 75 degrees.



Air Gap

- Keep at least 10 mm between the panel and the enclosure protective glass to allow air to flow.

UV Protection

- To prevent heat from direct sunlight, apply UV protection to the enclosure protective glass.

Spectrum (nm)	300 ~ 370	~ 380	~ 390	~ 400
Blocking Rate	> 96 %	> 97 %	> 80 %	> 60 %

Fan Capacity

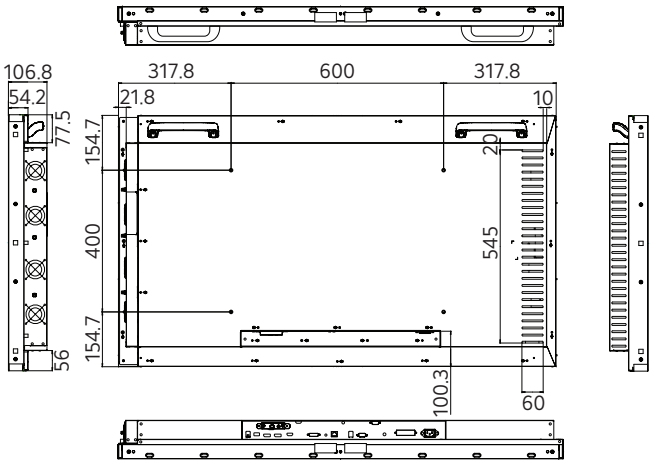
- Select the fan capacity for sufficient heat dissipation performance. See the total fan capacity required for your model.

	Total Fan Capacity
Display Front (Panel ~ Enclosure Protective Glass)	200 ~ 240 CFM
Display Back	100 ~ 140 CFM

Enclosure Installation Guide

Fixing the Panel Screw Holes

(Unit: mm)

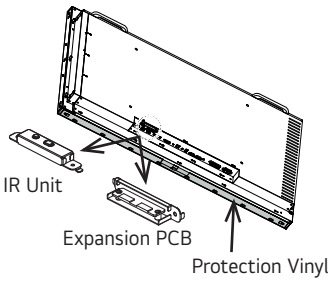


- Use the side screw holes when mounting the panel.
- Remove the tape when using the side screw holes.
- Side screw hole: M6, Torque 5 to 7 kgf · cm (Top and bottom sides: 3 holes for each, left and right sides: 3 holes for each)
- As the depth of screw hole for the panel module is 10.0 mm, please use the 12.0 mm screws.
- Using a screw longer than 12.0 mm may cause damage to the LCD module.

NOTE

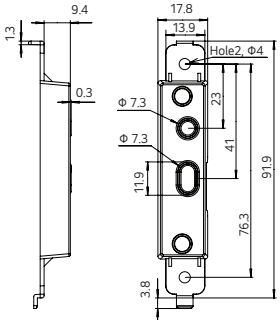
- When installing, be sure to wear insulating protective gear to prevent electric shock.

Installing the IR Unit, Brightness Sensor, LED, and Expansion PCB



- If you use pemnut arbitrarily, the product may be damaged.
- Remove the label only when using the side mount. Do not remove the label when not using the side mount.

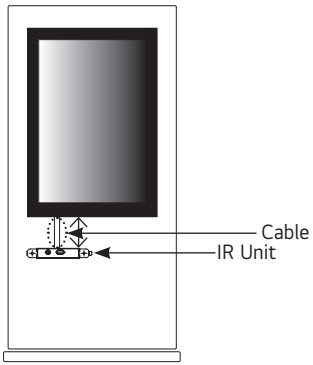
(Unit: mm)



<IR Unit>

- Remove the cable from the sensor.
- Mount the Expansion PCB after removing the sensor.

Enclosure



- Open the cable holder and pull out the cables.
- Loosen the screws and remove the IR unit.
- Install the IR unit in the enclosure in a distance where the cable can be reached.

Safety and Precaution Guide for Installation

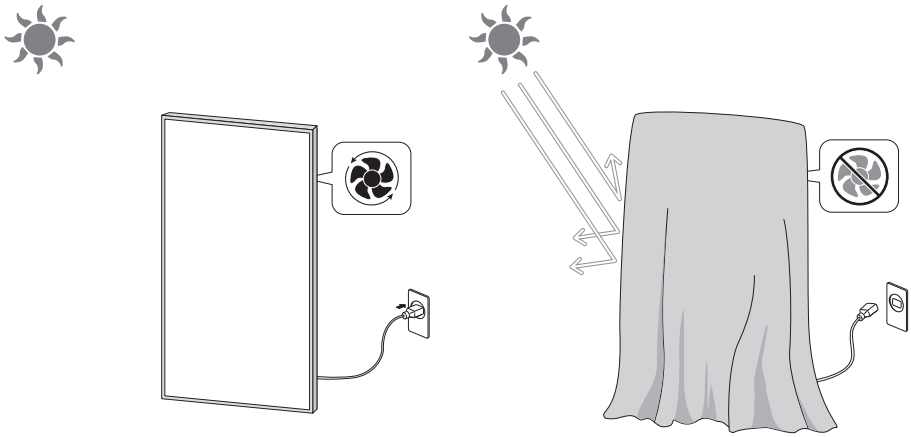
When Exposed to Direct Sunlight

- After connecting the power, enable the [Screen Off & Backlight On].
  - Turning the screen off can help prevent black spots, creases, yellowing, condensation, and malfunctions due to moisture.
  - For the [Screen Off & Backlight On] feature, please refer to the User Guide on our homepage.
  - At sub-zero temperatures, the display will be able to turn on after the internal temperature rises.
- While powered off, make sure the device is not exposed to direct sunlight for a prolonged period.
  - Protect the display with cloth or a box when storing the device after it has been powered off.
  - This can prevent faults such as black spots, creases, and yellowing.

Installing the Enclosure

- Create a cooling system for the enclosure to maintain the operating temperature of the product.
- Ensure that the cooling system of the enclosure is constantly in operation, even when the display is not.
  - This can protect the product against high temperatures.
- Use an enclosure glass with UV-blocking properties.
  - This can prevent faults such as black spots, creases, and yellowing.

⚠ CAUTION



Precautions for Use

⚠ WARNING

- Do not put metals such as coins, hairpins, or metal attachments, or flammable objects such as paper or matches into the product.

Dust

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

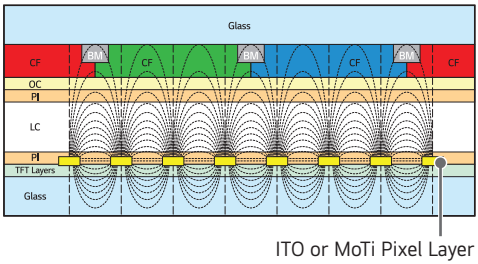
Afterimage

- 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	AC, SPEAKER OUT, LAN, USB 2.0 IN, HDMI™ IN 1, HDMI™ IN 2, DP IN, DP OUT, RS-232C IN, RS-232C OUT	
Resolution	Recommended Resolution	1920 x 1080 @ 60 Hz - This may not be supported on some OS or graphics card types.
	Max Resolution	
Power	Rating	100-240 V~ 50/60 Hz 3.1 A
Environmental Conditions	Operating Temperature	0 °C to 50 °C (Without Direct Sunlight, Direct Sunlight in Cooling System) 0 °C to 40 °C (Direct Sunlight)
	Operating Humidity	10 % to 80 %
	Storage Temperature	-20 °C to 60 °C
	Storage Humidity	5 % to 85 %

Model Name	Size (Width x Height x Thickness) (mm)	Weight (kg)
55XF3P-B	1235.4 x 709.4 x 106.8	26.5

HDMI / DisplayPort (PC) Support Mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
640 x 480	31.469	59.94
800 x 600	37.879	60.317
1024 x 768	48.363	60
1280 x 720	44.772	59.855
1366 x 768	47.712	60
1280 x 1024	63.981	60.02
1680 x 1050	65.29	59.954
1920 x 1080	67.5	60

HDMI / DisplayPort (DTV) Support Mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
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	67.5	60

NOTE

- PC resolutions available for the Input Label option in HDMI/ DISPLAYPORT input modes:
  1280 x 720 / 60 Hz, 1920 x 1080 / 60 Hz / DTV resolutions: 480p, 720p, 1080p.
- Horizontal Frequency: The horizontal interval is the time taken to display one horizontal line. When one is divided by the horizontal interval, the number of horizontal lines displayed every second is the horizontal frequency. The unit is kHz.
- Vertical Frequency: The monitor screen 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. Visit *www.lg.com* for more information on licenses.

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.

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.