



OWNER'S MANUAL

# LG Digital Signage

## (MONITOR SIGNAGE)

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

75XF3P-B

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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.

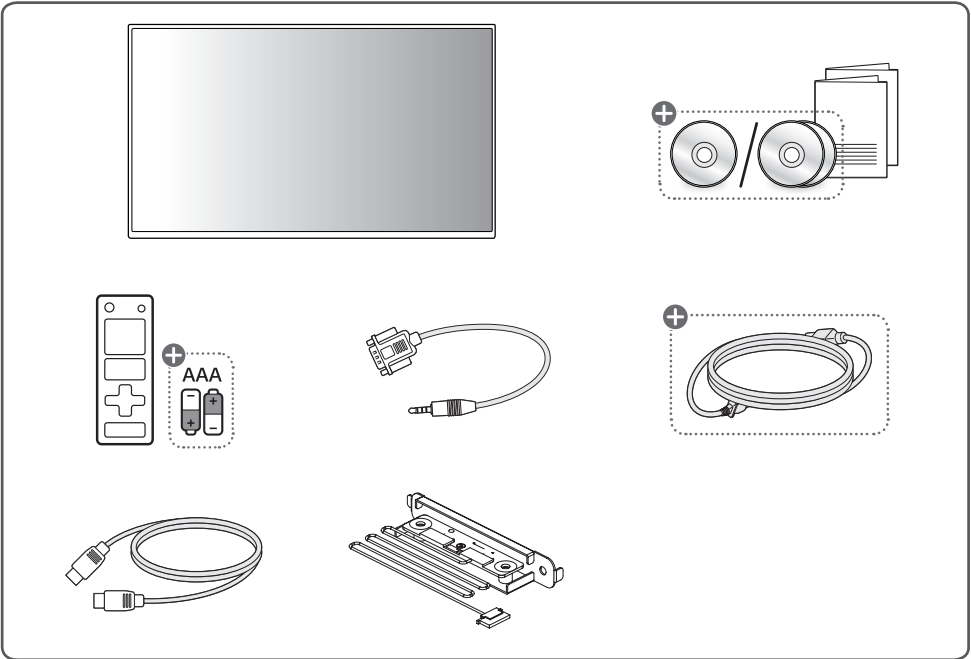
## BASIC

### ! 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 <http://partner.lge.com> to download the latest SuperSign software and manual.

## Checking the Accessories

### ! NOTE



+ Depending on country

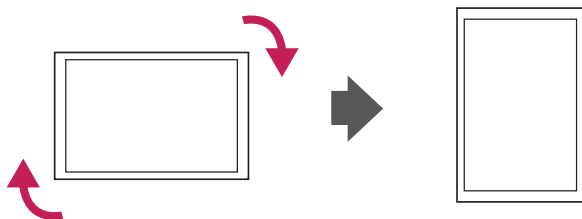
# CHECKING BEFORE INSTALLATION

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

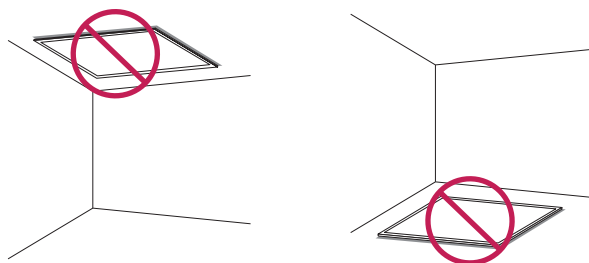
## Installation Orientation

### Using Vertically

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

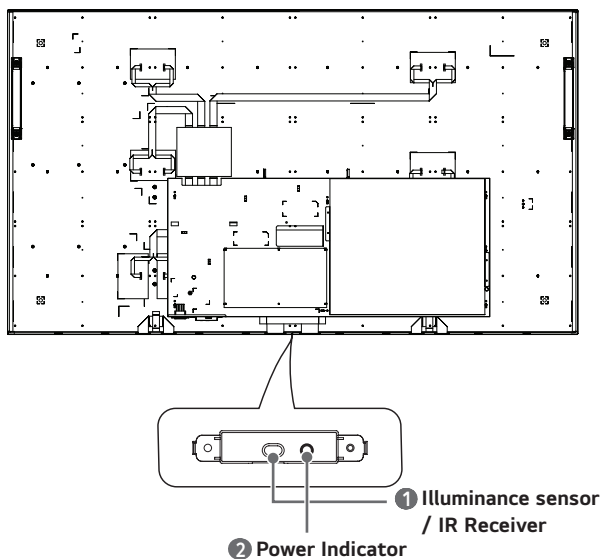


### Ceiling, Floor Orientation



## Parts

The illustrations may differ depending on the model.



### ! NOTE

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

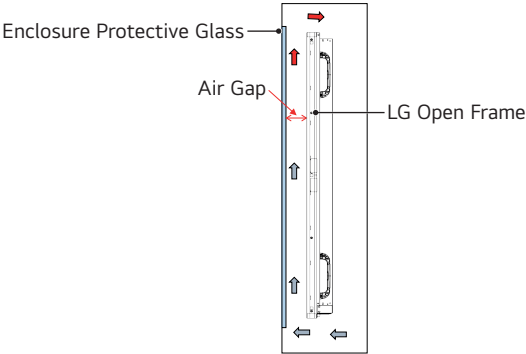
# Safety and Precaution Guide for Enclosure Installation

## 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.
- The heat dissipation system design is required under the same conditions when installing both sides.

### 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

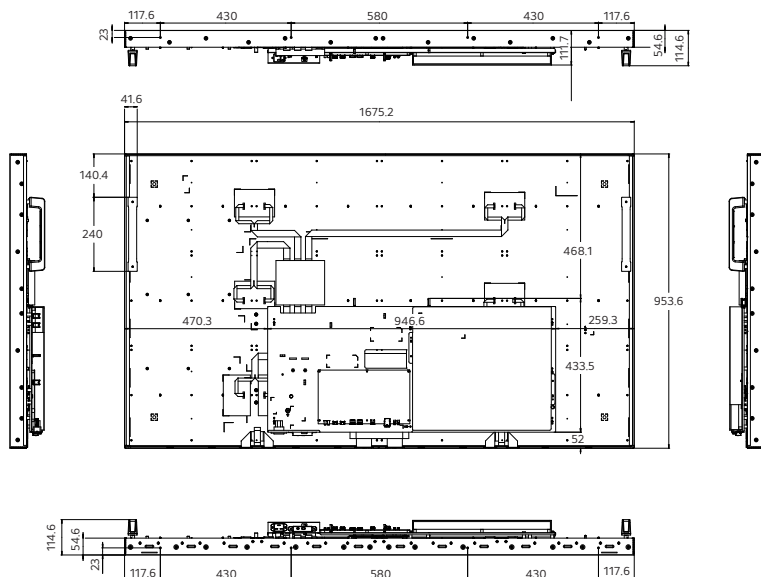
- Select the fan capacity for sufficient heat dissipation performance. See the total fan capacity required for your model.

	Total Fan Capacity
Display Front (Panel ~ Enclosure Protective Glass)	440 ~ 520 CFM
Display Back	220 ~ 300 CFM

# Enclosure Installation Guide

## Fixing the Panel Screw Holes

(Unit : mm)

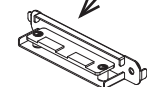


- Use the side screw holes when mounting the panel.
- Remove the tape when using the side screw holes.
- Side screw hole: M4, Torque - 8 to 12 kgf·cm (Top and bottom sides: 4 holes for each)
- As the depth of screw hole for the panel module is 10.0 mm, please use the 12.0 mm screws.
- Using a screw longer than 12.0 mm may cause damage to the LCD module.

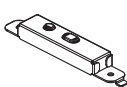
### ! NOTE

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

(Unit : mm)

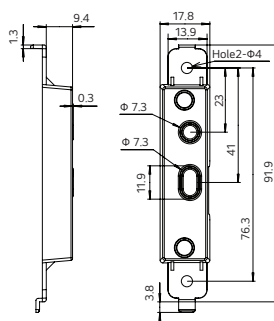


### Expansion PCB



IR Unit

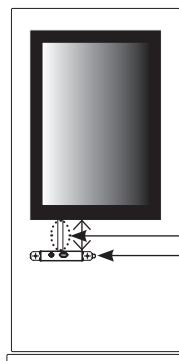
- If you use pemnut arbitrarily, the product may be damaged.
- Remove the label only when using the side mount. Do not remove the label when not using the side mount.



&lt;IR Unit&gt;

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

**Enclosure**



— Cable  
— IR Unit

- 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

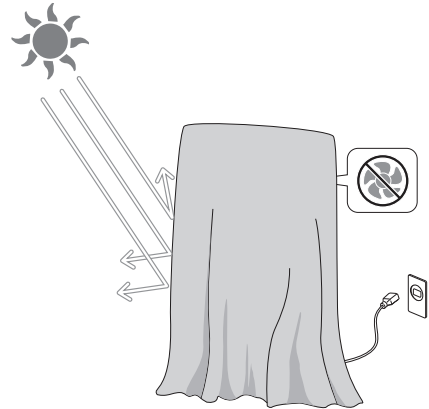
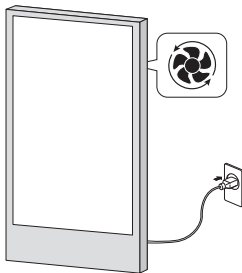
## Installing the Enclosure

- 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.

## Direct Sunlight

- 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.

### 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.

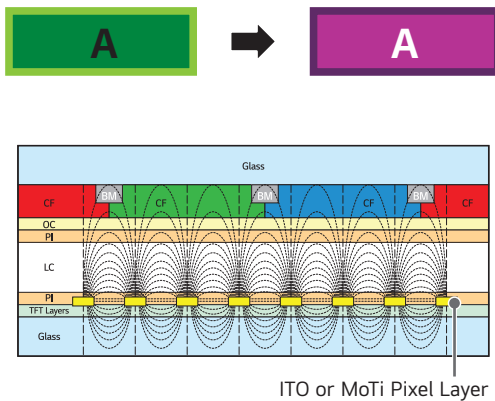
## Afterimage

- 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	RS-232C IN/OUT, SPEAKER OUT, HDMI IN 1, HDMI IN 2, DP IN/OUT, USB 2.0 IN, LAN IN, AC IN	
Resolution	Recommended Resolution	3840 x 2160 @ 60 Hz
	Max Resolution	- This may not be supported on some OS or graphics card types.
Power Voltage	Rated power	100-240 V~ 50/60 Hz 8.0 A
Environmental Conditions	Operating Temperature	0 °C to 40 °C (with Solar) 0 °C to 50 °C (without Solar)
	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	Dimensions (Width x Height x Depth) (mm)	Weight (kg)
75XF3P-B	1675.2 x 953.6 x 114.6	32.7

**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
3840 x 2160	67.5	30
3840 x 2160	135	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
2160/30p	67.5	30
2160/50p	112.5	50
2160/60p	135	60

**! NOTE**

- PC or DTV mode can be selected for HDMI and DisplayPort inputs. It is recommended to set the monitor as PC mode when connecting to a PC and as DTV mode when connecting to other devices. DTV mode refers to every mode except PC mode.
- 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](http://www.lg.com) for more information on licenses.



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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.