LG
Life's Good

OWNER'S MANUAL

LED LCD MONITOR

(LED Monitor*)

* LG LED Monitor applies LCD screen with LED backlights.

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

32QK500
32BK50Q

www.lg.com

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LICENSE

Each model has different licenses. Visit *www.lg.com* for more information on the license.

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

ASSEMBLING AND PREPARING

CAUTION

- Always use genuine LG components to ensure safety and product performance.
- The product warranty will not cover damage or injury caused by the use of unauthorized components.
- It is recommended to use the supplied components.
- If you use generic cables not certified by LG, the screen may not display or there may be image noises.
- Illustrations in this document represent typical procedures, so they may look different from the actual product.
- Do not apply foreign substances (oils, lubricants, etc.) to the screw parts when assembling the product. (Doing so may damage the product.)
- Applying excessive force when tightening screws may cause damage to the monitor. Damage caused in this way will not be covered by the product warranty.
- Do not carry the monitor upside down by just holding the base. This may cause the monitor to fall off the stand and could result in personal injury.
- When lifting or moving the monitor, do not touch the monitor screen. The force applied to the monitor screen may cause damage to it.
- TO PREVENT ELECTRIC SHOCK, DO NOT REMOVE COVER.
  NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

NOTE

- The components may look different from those illustrated here.
- Without prior notice, all product information and specifications contained in this manual are subject to change to improve the performance of the product.
- To purchase optional accessories, visit an electronics store or an online shopping site, or contact the retailer from which you purchased the product.
- The power cord provided may differ depending upon the region.

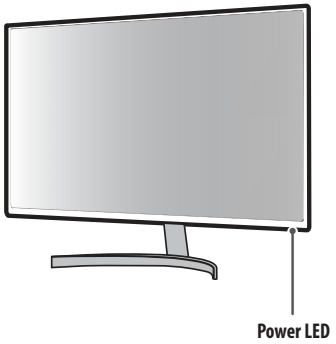
Supported Drivers and Software

You can download and install the latest version from the enclosed CD or from the LGE website (*www.lg.com*).

Drivers and Software	Installation Priority
Monitor Driver	Recommended
OnScreen Control	Recommended

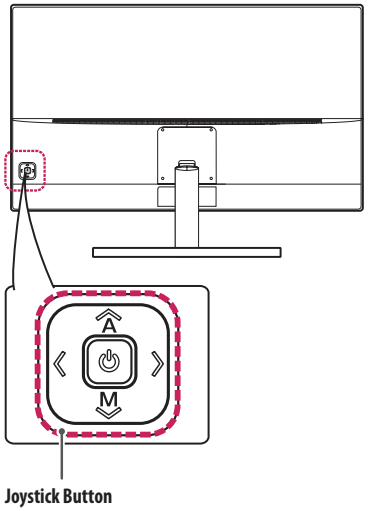
Product and Button Description

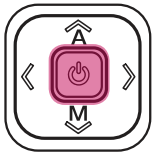
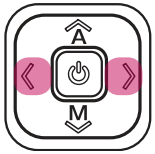
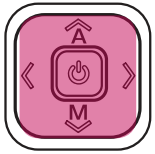
Power LED



How to Use the Joystick Button

You can easily control the functions of the monitor by pressing the joystick button or moving it left/right/up/down with your finger.

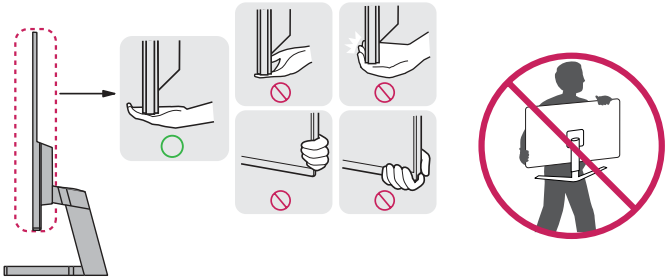


	**Power on/ off**	Press the joystick button once with your finger to turn on the monitor. Press and hold the joystick button once more than 5 seconds with your finger to turn off the monitor.
	**Volume control**	You can control the volume by moving the joystick button left/right.
	**Menus / Settings**	When the power is on, press the button to adjust the menu and settings. Move the joystick button up/down/left/right to set the options.

Moving and Lifting the Monitor

When moving or lifting the monitor, follow these instructions to prevent the monitor from being scratched or damaged and to ensure safe transportation, regardless of its shape or size.

- Place the monitor in the original box or packing material before attempting to move it.
- Before moving or lifting the monitor, disconnect the power cord and all other cables.
- Hold the bottom and side of the monitor frame firmly. Do not hold the panel itself.
- When holding the monitor, the screen should face away from you to prevent it from being scratched.
- When transporting the monitor, do not expose the monitor to shock or excessive vibration.
- When moving the monitor, keep it upright and never turn the monitor on its side or tilt it sideways.

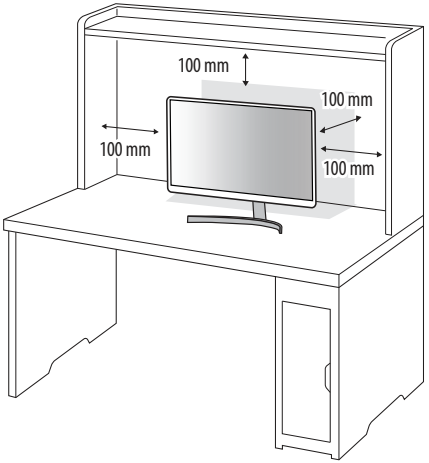


CAUTION

- Avoid touching the monitor screen as much as possible.
  - This may result in damage to the screen or some of the pixels used to create images.

Installing on a Table

- Lift the monitor and place it on the table in an upright position. Place the monitor at least 100 mm away from the wall to ensure sufficient ventilation.



CAUTION

- Unplug the power cord before moving or installing the monitor. There is risk of electric shock.
- Make sure to use the power cord that is provided in the product package and connect it to a grounded power outlet.
- If you need another power cord, please contact your local dealer or the nearest retail store.

Adjusting the Angle

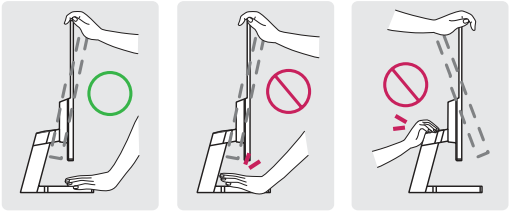
1 Place the monitor mounted on the stand base in an upright position.

2 Adjust the angle of the screen.

The angle of the screen can be adjusted forward or backward from -5° to 15° for a comfortable viewing experience.

WARNING

- To avoid injury to the fingers when adjusting the screen, do not hold the lower part of the monitor's frame as illustrated below.
- Be careful not to touch or press the screen area when adjusting the angle of the monitor.



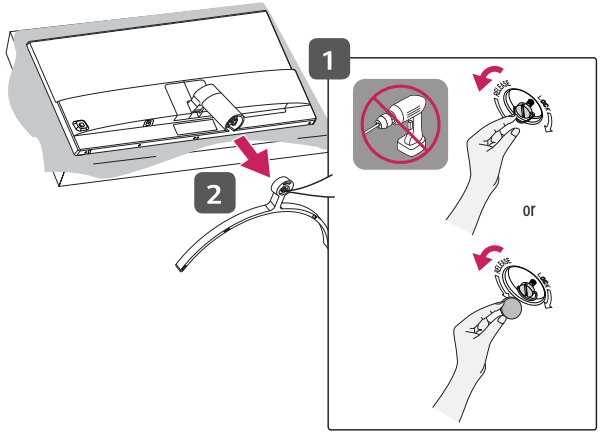
Installing the Wall Mount Plate

This monitor meets the specifications for the wall mount plate or other compatible devices.

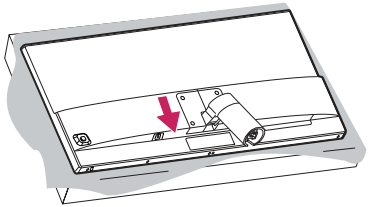
CAUTION

- Place the monitor's screen face down. To protect the screen from scratches, cover the surface with a soft cloth.

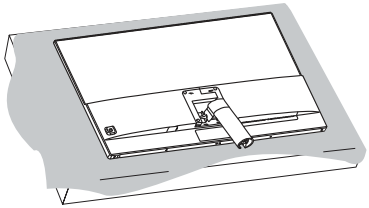
1 Remove the stand base by unscrewing it as shown in the illustration below.



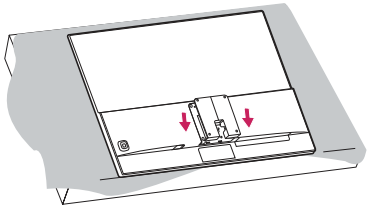
2 Slide the stand cover down as shown in the illustration below.



3 Remove the screws from the stand and separate the stand from the monitor.



4 Reattach the stand cover.



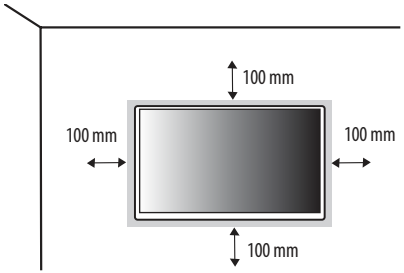
5 Install the separately purchased the wall mount plate in combination with the monitor.

NOTE

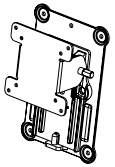
- The wall mount plate is sold separately.
- For more information on installation, refer to the wall mount plate's installation guide.
- Be careful not to apply too much force while mounting the wall mount plate as it may cause damage to the screen.

Installing on the Wall

Install the monitor at least 100 mm away from the wall and leave about 100 mm of space at each side of the monitor to ensure sufficient ventilation. Detailed installation instructions can be obtained from your local retail store. Alternatively, please refer to the manual for how to install and set up a tilting wall mounting bracket.



To install the monitor to a wall, attach a wall mounting bracket (optional) to the back of the monitor.
Make sure that the wall mounting bracket is securely fixed to the monitor and to the wall.

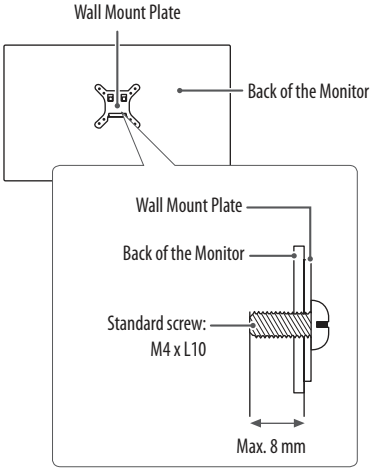
Wall Mount (mm)	100 x 100
Standard screw	M4 x L10
Number of screws	4
Wall Mount Plate (Optional)	RW120 

NOTE

- A non-VESA standard screw may damage the product and cause the monitor to fall. LG Electronics is not liable for any accidents relating to the use of non-standard screws.
- The wall mount kit includes the installation guide and all necessary parts.
- The wall mounting bracket is optional. You can obtain optional accessories from your local dealer.
- The length of the screw may differ for each wall mounting bracket. If you use screws longer than the standard length, it may damage the inside of the product.
- For more information, please refer to the user manual for the wall mounting bracket.

⚠ CAUTION

- Unplug the power cord before moving or installing the monitor to avoid electric shock.
- Installing the monitor on the ceiling or on a slanted wall may result in the monitor falling off, which could lead to injury. Use an authorized LG wall mount and contact the local dealer or qualified personnel.
- To prevent injury, this apparatus must be securely attached to the wall in accordance with the installation instructions.
- Applying excessive force when tightening screws may cause damage to the monitor. Damage caused in this way will not be covered by the product warranty.
- Use the wall mounting bracket and screws that conform to VESA standards. Damage caused by the use or misuse of inappropriate components will not be covered by the product warranty.
- When measured from the back of the monitor, the length of each installed screw must be 8 mm or less.



USING THE MONITOR

- Illustrations in this manual may differ from the actual product.

Press the button, go to [Input], and then select the input option.

CAUTION

- Do not press the screen for a prolonged time. This may cause image distortion.
- Do not display a still image on the screen for a prolonged time. This may cause image retention. Use a PC screensaver if possible.
- When connecting the power cord to the outlet, use a grounded (3-hole) power strip or a grounded power outlet.
- The monitor may flicker when turned on in an area where the temperature is low. This is normal.
- Sometimes red, green, or blue spots may appear on the screen. This is normal.

Connecting to a PC

- This monitor supports the *Plug and Play feature.

* Plug and Play: A feature that allows you to add a device to your computer without having to reconfigure anything or install any manual drivers.

HDMI Connection

Transmits digital video and audio signals from your PC to the monitor.

CAUTION

- Using a DVI to HDMI / DP (DisplayPort) to HDMI cable may cause compatibility issues.
- Use a certified cable with the HDMI logo attached. If you do not use a certified HDMI cable, the screen may not display or a connection error may occur.
- Recommended HDMI cable types
  - High-Speed HDMI®/™ cable
  - High-Speed HDMI®/™ cable with Ethernet

DisplayPort Connection

Transmits digital video and audio signals from your PC to the monitor.

NOTE

- There may be no video or audio output depending on the DP (DisplayPort) version of the PC.

Connecting AV Devices

HDMI Connection

HDMI transmits digital video and audio signals from your AV device to the monitor.

NOTE

- Using a DVI to HDMI / DP (DisplayPort) to HDMI cable may cause compatibility issues.
- Use a certified cable with the HDMI logo attached. If you do not use a certified HDMI cable, the screen may not display or a connection error may occur.
- Recommended HDMI cable types
  - High-Speed HDMI®/™ cable
  - High-Speed HDMI®/™ cable with Ethernet

Connecting Headphones

Connect peripherals to the monitor via the headphones port.

NOTE

- Peripheral devices are sold separately.
- Depending on the audio settings of the PC and external device, headphones and speaker functions may be limited.
- If you use angled earphones, it may cause a problem with connecting another external device to the monitor. Therefore, it is recommended to use straight earphones.

Angled

Straight
(Recommend)

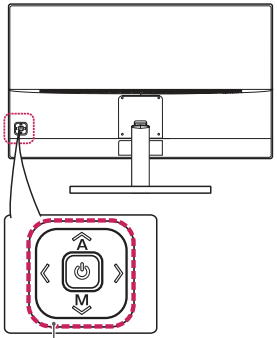
USER SETTINGS

NOTE

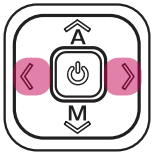
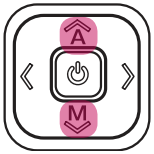
- Your monitor's OSD (On Screen Display) may differ slightly from that shown in this manual.

Activating the Main Menu

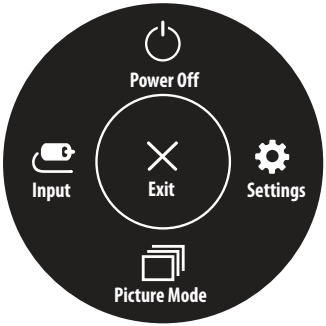
1 Press the button on the back of the monitor.
2 Move the joystick button up/down/left/right to set the options.
3 Press the button once more to exit the main menu.



Joystick Button

Button	Menu Status		Description
	Main menu disabled		Enables the main menu.
	Main menu enabled		Exits the main menu. (Holding down the button more than 5 seconds to turn off the monitor. You can turn off the monitor this way at any time, including when the OSD is on.)
	<	**Main menu disabled**	Adjusts the monitor volume level.
		Main menu enabled	Enters the [Input] features.
	>	**Main menu disabled**	Adjusts the monitor volume level.
		Main menu enabled	Enters the [Settings] feature.
	^	**Main menu disabled**	Displays the information on the current input.
		Main menu enabled	Turns off the monitor.
	v	**Main menu disabled**	Displays the information on the current input.
		Main menu enabled	Enters the [Picture Mode] feature.

Main Menu Features



Main Menu	Description
[Input]	Sets input mode.
[Power Off]	Turns off the monitor.
[Settings]	You can adjust the various settings.
[Picture Mode]	You can select the various picture mode.
[Exit]	Exits the main menu.

Customizing settings

[Quick Settings]

[Settings] > [Quick Settings]	Description
[Brightness]	Adjusts the contrast and brightness of the screen.
[Contrast]	
[Volume]	Adjusts the volume.
	NOTE • You can adjust [Mute] / [Unmute] by moving the joystick button to ﹀ in the [Volume] menu.

[Input]

[Settings] > [Input]	Description	
[Input List]	Selects the input mode.	
[Aspect Ratio]	Adjusts the aspect ratio of the screen.	
	[Full Wide]	Displays the video in widescreen, regardless of the video signal input.
	[Original]	Displays video according to the aspect ratio of the video signal input.

[Picture]

[Settings] > [Picture]	Description		
[Picture Mode]	[Custom]	Allows the user to adjust each element. The color mode of the main menu can be adjusted.	
	[Reader]	Optimizes the screen for reading documents. You can brighten the screen in the OSD menu.	
	[Photo]	Optimizes the screen to view photos.	
	[Cinema]	Optimizes the screen to improve the visual effects of a video.	
	[Game]	Optimizes the screen for gameplay.	
[Picture Adjust]	[Brightness]	Adjusts the contrast and brightness of the screen.	
	[Contrast]		
	[Sharpness]	Adjusts the sharpness of the screen.	
	[Black Level]	Sets the offset level. • Offset: as a reference for a video signal, this is the darkest color the monitor can display.	
		[High]	Keeps the current contrast ratio of the screen.
		[Low]	Lowers the black levels and raises the white levels from the current contrast ratio of the screen.
	[DFC]	[On]	Adjusts the brightness automatically according to the screen.
		[Off]	Disables the feature.

[Settings] > [Picture]	Description		
[Game Adjust]	[Response Time]	Sets a response time for displayed pictures based on the speed of the screen. For a normal environment, it is recommended that you use [Fast]. For a fast-moving picture, it is recommended that you use [Faster]. Setting to [Faster] may cause image sticking.	
		[Faster]	Sets the response time to [Faster].
		[Fast]	Sets the response time to [Fast].
		[Normal]	Sets the response time to [Normal].
		[Off]	Disables the feature.
	[FreeSync]	Provides seamless and natural images by synchronizing the vertical frequency of the input signal with that of the output signal. **CAUTION** • Supported Interface: HDMI, DP, mDP • Supported Graphic Card: A graphic card that supports AMD's FreeSync is necessary. • Supported Version: Make sure to update the graphic card to the latest driver. • For more information and requirement, refer to AMD website at *http://www.amd.com/FreeSync*.	
		[On]	[FreeSync] function on.
		[Off]	Disables the feature.
	[Black Stabilizer]	You can control the black contrast to have better visibility in dark scenes. Increasing the [Black Stabilizer] value brightens the low gray level area on the screen. (You can easily distinguish objects on dark game screens.) Reducing the [Black Stabilizer] value darkens the low gray level area and increases the dynamic contrast on the screen.	
	[Cross Hair]	Cross hair provides a mark on the center of the screen for First Person Shooter (FPS) games. Users can select the cross hair that fits their gaming environment among four different cross hairs. • When the monitor is off or enters energy saving mode, the cross hair feature is automatically turned off.	

[Settings] > [Picture]	Description		
[Color Adjust]	[Gamma]	[Mode 1], [Mode 2], [Mode 3]	The higher the gamma value, the darker the image becomes. Likewise, the lower the gamma value, the lighter the image becomes.
		[Mode 4]	If you do not need to adjust the gamma settings, select [Mode 4].
	[Color Temp]	[Custom]	The user can adjust it to red, green, or blue by customization.
		[Warm]	Sets the screen color to a reddish tone.
		[Medium]	Sets the screen color to between a red and blue tone.
		[Cool]	Sets the screen color to a bluish tone.
	[Red/Green/Blue]	You can customize the picture color using red, green, and blue colors.	
	[Six Color]	Meets the user requirements for colors by adjusting the hue and saturation of the six colors (red, green, blue, cyan, magenta, and yellow) and then saving the settings.	
		Hue	Adjusts the tone of the screen colors.
		Saturation	Adjusts the saturation of the screen colors. The lower the value, the less saturated and brighter the colors become. The higher the value, the more saturated and darker the colors become.
[Picture Reset]	[Do you want to reset your settings?]		
	[No]	Cancel the select.	
	[Yes]	Returns to the default settings.	

[General]

[Settings] > [General]	Description	
[Language]	Sets the menu screen to the desired language.	
[SMART ENERGY SAVING]	Conserve energy by using luminance compensation algorithm.	
	[High]	Saves energy using the high-efficiency [SMART ENERGY SAVING] feature.
	[Low]	Saves energy using the low-efficiency [SMART ENERGY SAVING] feature.
	[Off]	Disables the feature.
	NOTE • The value of energy saving data may differ depending on panel and panel suppliers. • If you select the option of [SMART ENERGY SAVING] is [High] or [Low], monitor luminance become lower or higher depend on source.	
[Power LED]	Turns the power LED on the front of the monitor on or off.	
	NOTE • When the Power LED function is turned on, it operates as follows: - On Mode: White - Sleep Mode: White Blinking - Off Mode: Off	
[Automatic Standby]	Feature that automatically turns off the monitor when there is no movement on the screen for a period of time. You can set a timer for the auto-off function. ([Off], [4 H], [6 H], and [8 H])	

[Settings] > [General]	Description	
[OSD Lock]	This feature disables the configuration and adjustment of menus.	
	[On]	Enables [OSD Lock].
	[Off]	Disables [OSD Lock].
	NOTE • The menus except the menus below are disabled. - [Quick Settings] ⟶ [Brightness], [Contrast], [Volume] - [Input] - [General] ⟶ [OSD Lock], [Information]	
[Information]	The following display information will be shown; [Model], [Total Power On Time], [Serial Number], [Resolution].	
[Reset]	**[Do you want to reset your settings?]**	
	[No]	Cancel the select.
	[Yes]	Returns to the default settings.

TROUBLESHOOTING

Nothing is displayed on the screen.	
Is the monitor's power cord plugged in?	• Check if the power cord is correctly plugged into the power outlet.
Is the monitor's adapter plugged in?	• Make sure to use the adapter that is provided in the product package.
Is the power LED on?	• Check the power cable connection and press the power button.
Is the power on and the power LED displaying White?	• Check that the connected input is enabled ([Settings] ⟶ [Input]).
Is the [Out of Range] message being displayed?	• This occurs when signals transferred from the PC (graphics card) are out of the horizontal or vertical frequency range of the monitor. Please see the Product Specification section of this manual to set the appropriate frequency.
Is the [No Signal] message being displayed?	• This is displayed when the signal cable between the PC and the monitor is missing or disconnected. Check the cable and reconnect it.
Screen display is unstable and shaky. / Images displayed on the monitor leave shadow trails.	
Did you select the appropriate resolution?	• If the selected resolution is HDMI 1080i 60/50 Hz (interlaced), the screen may be flickering. Change the resolution to 1080p or the recommended resolution. • Not setting the graphics card to the recommended (optimal) resolution may result in blurred text, a dimmed screen, a truncated display area or misalignment of the display. • The setting methods may be different depending on the computer or operating system, and some resolutions may not be available depending on the performance of the graphics card. If this is the case, contact the manufacturer of the computer or graphics card for assistance.
Does image sticking occur even when the monitor is turned off?	• Displaying a still image for a prolonged time may cause damage to the screen, resulting in the retention of the image. • To extend the lifetime of the monitor, use a screensaver.
Are there spots on the screen?	• When using the monitor, pixilated spots (red, green, blue, white, or black) may appear on the screen. This is normal for an LCD screen. It is not an error, nor is it related to the monitor's performance.

Some features are disabled.	
Are some functions not available when you press the Menu button?	• The OSD is locked. Disable [OSD Lock] in [General].
Do you see an "Unrecognized monitor, Plug and Play (VESA DDC) monitor found" message?	
Have you installed the display driver?	• Be sure to install the display driver from the display driver CD (or diskette) that comes with your display. Or, you can also download the driver from our website: *http://www.lg.com*. • Make sure to check if the graphics card supports Plug and Play function.
No sound from the headphone port.	
Are images displayed without sound?	• Make sure that the headphone port connections are made properly. • Try increasing the volume with the joystick. • Set the audio output of the PC to the monitor you are using. (The settings may differ depending on the operating system (OS) you use.)

PRODUCT SPECIFICATION

Color Depth	10-bit color is supported.		
Resolution	HDMI1, HDMI2	Max Resolution	2560 x 1440 @ 75 Hz
		Recommended Resolution	2560 x 1440 @ 60 Hz
	DP, mDP	Max Resolution	2560 x 1440 @ 75 Hz
		Recommended Resolution	2560 x 1440 @ 60 Hz
Power Sources	Power Rating	19 V ⎓ 2.5 A	
	Power Consumption	On Mode: 46 W (Typical) (Outgoing condition)* Sleep Mode: ≤ 0.5 W** Off Mode: ≤ 0.3 W	
AC/DC Adapter	DA-48F19, manufactured by APD Output: 19 V ⎓ 2.53 A		
Environmental Conditions	Operating Conditions	Temperature	0 ℃ to 40 ℃
		Humidity	Less than 80 %
	Storing Conditions	Temperature	-20 ℃ to 60 ℃
		Humidity	Less than 85 %
Dimensions	Monitor Size (Width x Height x Depth)		
	With Stand	724.3 x 519.2 x 219.9 (mm)	
	Without Stand	724.3 x 424.2 x 42.5 (mm)	
Weight (Without Packaging)	With Stand	5.7 kg	
	Without Stand	5.4 kg	

Specifications are subject to change without notice.

* The On Mode of Power Consumption is measured with LGE test standard. (Full White pattern, Maximum resolution)

* The Power Consumption level can be different by operating condition and monitor setting.

** The monitor goes into the Sleep Mode in a couple of minutes. (Max 5 minutes)

Factory Support Mode

(Preset Mode, HDMI/ DisplayPort PC)

Preset Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Polarity (H/V)	Remarks
640 x 480	31.469	59.94	-/-	HDMI/ DisplayPort
	37.5	75	-/-	HDMI/ DisplayPort
800 x 600	37.879	60.317	+/+	HDMI/ DisplayPort
	46.875	75.0	+/+	HDMI/ DisplayPort
1024 x 768	48.363	60.0	-/-	HDMI/ DisplayPort
	60.123	75.029	+/+	HDMI/ DisplayPort
1152 x 864	54.347	60.05	+/+	HDMI/ DisplayPort
1280 x 720	45	60	+/+	HDMI/ DisplayPort
1280 x 1024	63.981	60.02	+/+	HDMI/ DisplayPort
	79.976	75.025	+/+	HDMI/ DisplayPort
1680 x 1050	65.29	59.954	-/+	HDMI/ DisplayPort
1920 x 1080	67.50	60	+/-	HDMI/ DisplayPort
2560 x 1440	88.79	59.95	+/-	HDMI/ DisplayPort
	110.95	74.96	+/-	HDMI
	111.86	74.97	+/-	DisplayPort

HDMI Timing (Video)

Preset Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
480P	31.5	60
576P	31.25	50
720P	37.5	50
720P	45	60
1080P	56.25	50
1080P	67.5	60

This device can be used in all regions. Read the owner's manual (CD) carefully and keep it at hand.
Please note that the label attached to the product provides information for technical support.

Model _____

Serial No. _____