

# Owner's Manual IPS LED MONITOR (LED MONITOR\*)

\*LG LED Monitors are LCD Monitors with LED Backlighting.

Please read the safety information carefully before using the product.

IPS LED Monitor (LED Monitor) Model List 32UD59 32MU59

## **CONTENTS**

## 3 LICENSE

## 4 ASSEMBLING AND PREPARING

- 4 Product Components
- 5 Supported Drivers and Software
- 6 Component and Button Description
- 6 How to Use the Joystick Button
- 7 Input Connector
- 8 Moving and Lifting the Monitor
- 9 Installing the Monitor
- 9 Assembling the stand base
- 11 Using the cable holder
- 11 Installing onto a table
- 12 Adjusting the stand height
- 12 Adjusting the angle
- 13 Using the Kensington lock
- 13 Installing the wall mount plate
- 14 Installing to a wall

## 15 USING THE MONITOR

- 15 Connecting to a PC
- 15 HDMI connection
- 15 DisplayPort connection
- 16 Connecting to AV Devices
- 16 HDMI connection
- 16 Connecting to External Devices
- 16 Connecting Headphones

#### 17 USER SETTINGS

- 17 Activating the Main Menu
- 17 Main Menu Features
- 18 User Settings
- 18 Menu Settings

#### 22 TROUBLESHOOTING

#### 24 SPECIFICATIONS

- 24 32UD59/32MU59
- 25 Factory Support Mode (Preset Mode, PC)
- 25 HDMI
- 25 DisplayPort
- 26 HDMI Timing (Video)
- 26 Power LED

## **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 LLC in the United States and other countries.

The following content is only applied to the monitor which is sold in Europe market and which needs to meet the ErP Directive:

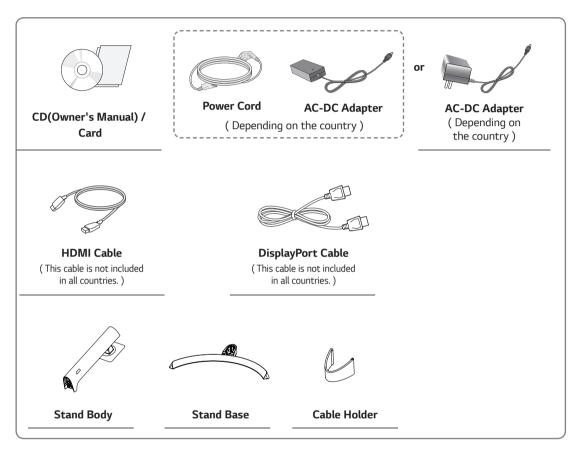
<sup>\*</sup> This monitor is set to be turned off automatically after 4 hours when you turn on the display and there are no adjustments made to the display.

<sup>\*</sup> To disable this setting, change the option "Automatic Standby" in the OSD menu to "Off".

## ASSEMBLING AND PREPARING

## **Product Components**

Please check whether all the components are included in the box before using the product. If there are missing components, contact the retail store where you purchased the product. Note that the product and components may look different from those shown here.





#### **CAUTION**

- Always use genuine components to ensure safety and product performance.
- The product warranty will not cover damage or injury caused by the use of counterfeit components.
- It is recommend that use the supplied components.
- · If you use generic cables not certified by LG, the screen may not display or there may be image noises.



- Note that the components may look different from those shown here.
- Without prior notice, all information and specifications in this manual are subject to change to improve the performance of the product.
- To purchase optional accessories, visit an electronics store or online shopping site or contact the retail store where you purchased the product.

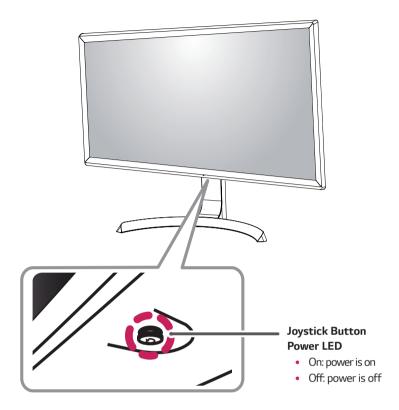
# **Supported Drivers and Software**

Check the drivers and software supported by your product and refer to the manuals on the CD enclosed in the product package.

Drivers and Software	Installation Priority	32UD59/32MU59
Monitor Driver	Recommended	0
OnScreen Control	Recommended	0
Dual Controller	Optional	0

- Required and Recommended: You can download and install the latest version from the enclosed CD or from the LGE website (www.lg.com).
- Optional: You can download and install the latest version from the LGE website (www.lg.com).

## **Component and Button Description**



## 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 with your finger.

#### **Basic Functions**

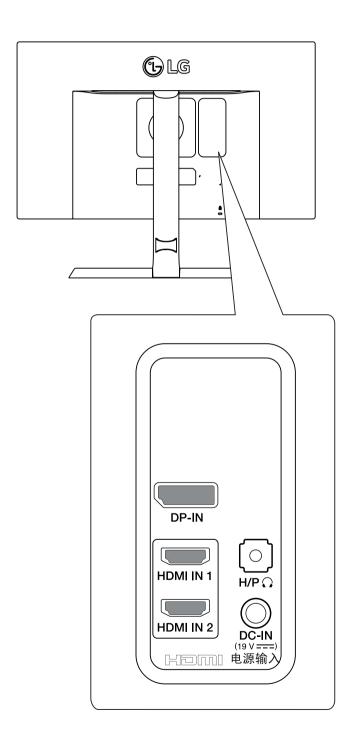
	ტ	Power on	Press the joystick button once with your finger to turn on the monitor.
		Power off	Press and hold the joystick button once with your finger to turn off the monitor.
	<b>4</b> /▶	Volume Control	You can control the volume by moving the joystick button left/right.



#### **NOTE**

• The joystick button is located at the bottom of the monitor.

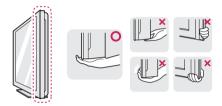
# **Input Connector**



## **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.

- It is advisable to place the monitor in the original box or packing material before attempting to
- Before moving or lifting the monitor, disconnect the power cord and all cables.
- Hold the top and bottom 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 being scratched.



- When moving the monitor, avoid any strong shock or vibrations to the product.
- When moving the monitor, keep it upright, never turn the monitor on its side or tilt it sideways.

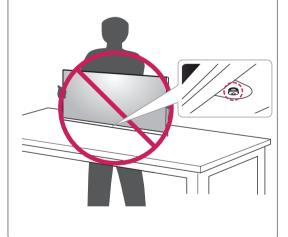


#### **CAUTION**

 As far as possible, avoid touching the monitor screen. This may result in damage to the screen or some of the pixels used to create images.

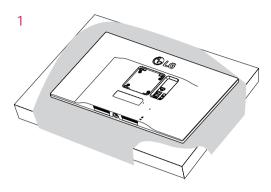


 If you use the monitor panel without the stand base, its joystick button may cause the monitor to become unstable and fall, resulting in damage to the monitor or human injury. In addition, this may cause the joystick button to malfunction.



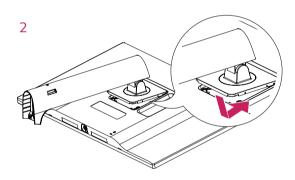
# **Installing the Monitor**

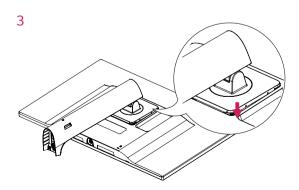
## Assembling the stand base

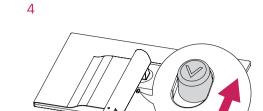




• To protect the screen from scratches, cover the surface with a soft cloth.

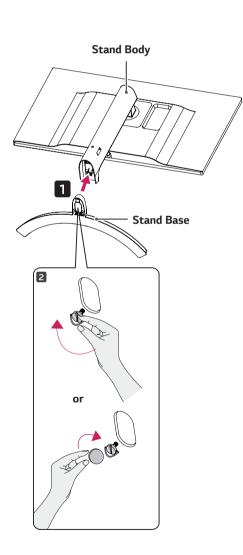






Stand Body

5





#### **CAUTION**

- Illustrations in this document represent typical procedures, so they may look different from the actual product.
- Do not carry the monitor upside down by just holding the stand 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.
- 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.

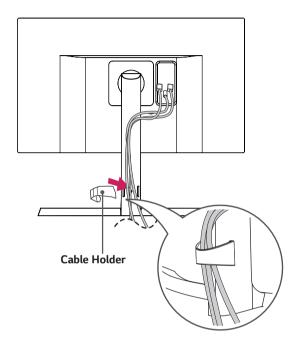


#### **NOTE**

 You can disassemble the stand in the reverse order of the assembly.

## Using the cable holder

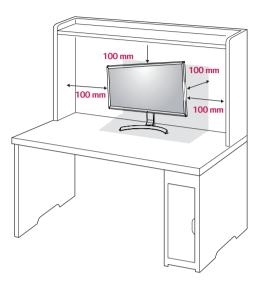
Arrange the cables using the cable holder as shown in the illustration.



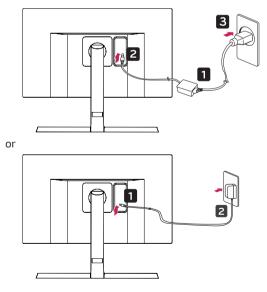
## Installing onto a table

1 Lift the monitor and place it on the table in an upright position.

Place at least **100 mm** away from the wall to ensure sufficient ventilation.



2 Connect the power adapter to the monitor and then plug the power cord into the wall outlet.



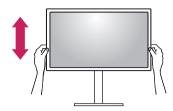
3 Press the joystick button on the bottom of the monitor to turn on the monitor.



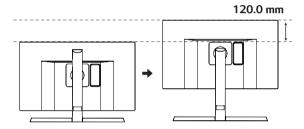
• Unplug the power cord prior to moving or installing the monitor. There is risk of electric shock.

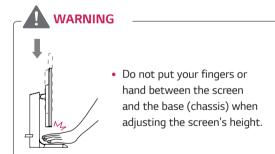
## Adjusting the stand height

1 Handle the monitor with both hands for safety.



2 The height can be adjusted up to 120.0 mm.







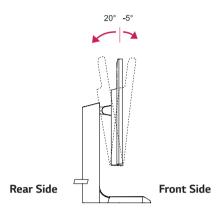
#### **NOTE**

 The left or right side of the monitor head can be slightly rotated up or down (up to 3°). Adjust the horizontal level of the monitor head.



## Adjusting the angle

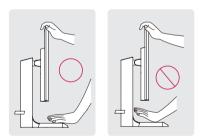
- 1 Place the monitor in an upright position, mounted on the stand base.
- 2 Adjust the angle of the screen. The angle of the screen can be adjusted forwards or backwards for a comfortable viewing experience.



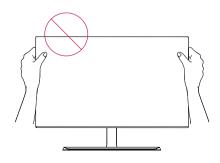


#### **WARNING**

 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.

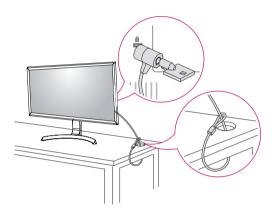


## Using the Kensington lock

The Kensington security system connector is located at the back of the Monitor set.

For more information on installation and usage, refer to the Kensington lock user manual or visit the website at http://www.kensington.com.

Connect the Kensington security system cable between the Monitor set and a table.





#### NOTE

Use of the Kensington lock is optional. The accessories can be purchased at your local electronics store.

## Installing the wall mount plate

This monitor supports the specification of the standard wall mount plate or compatible device.

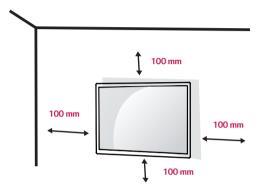
- 1 Place the screen face down. To protect the screen from scratches, cover the surface with a soft cloth.
- 2 Remove the four screws tightened on the back of the monitor.
- 3 Place the wall mount plate onto the monitor and align it with the screw holes.
- 4 Tighten the four screws to fix the plate to the monitor using a screwdriver.



- 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 use excessive force when mounting the wall mount plate, as this can damage the monitor's screen.

### Installing to a 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. Please refer to the manual to install and set up a tilting wall mounting bracket.



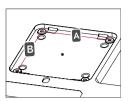
To install the monitor to a wall, attach a wall mounting bracket (optional) to the back of the monitor.

Make sure that the wall mounting bracket is securely fixed to the monitor and to the wall.

- 1 If you use screw longer than standard, the monitor might be damaged internally.
- 2 If you use improper screw, the product might be damaged and drop from mounted position.
  In this case, LG Electronics is not responsible for it.

Wall Mount (A x B)	100 x 100
Standard screw	M4 x L10
Number of screws	4
Wall Mount Plate	RW120
(Optional)	. @

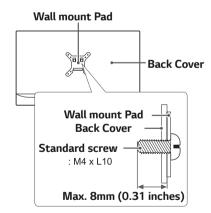
• Wall Mount (A x B)





#### **CAUTION**

- Unplug the power cord before moving or installing the monitor to avoid electric shocks.
- Installing the monitor on the ceiling or on a slanted wall may result in the monitor falling off, which could lead to injury. Please use the genuine LG wall mounting bracket. For more information, contact your local retail store or a qualified installer.
- Applying excessive force when fastening 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 the VESA standard. Damage caused by the use or misuse of inappropriate components will not be covered by the product warranty.
- Screw length from outer surface of back cover should be under 8 mm.





- Use the screws specified by the VESA standard.
- The wall mount kit includes the installation guide and all necessary parts.
- The wall mounting bracket is optional. The accessories can be purchased at your local retail store.
- The length of the screw may differ for each wall mounting bracket. Ensure the correct length screw is used.
- For more information, please refer to the user manual for the wall mounting bracket.

## **USING THE MONITOR**

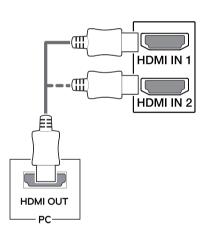
## Connecting to a PC

 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

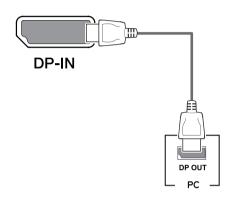
Transmits the digital video and audio signals from your PC and A/V devices to the monitor. Connect your PC and AV device to the monitor with the HDMI cable as illustrated below.

Press the menu button and then select the input option from the input menu.



## DisplayPort connection

Transmits the digital video and audio signals from your PC to the monitor. Connect your PC to the monitor using the DisplayPort cable as illustrated below. Press the menu button and then select the input option from the input menu.





#### NOTE

- There may be no video or audio output depending on the DP version of the PC.
- If you use generic cables not certified by LG, the screen may not display or there may be image noises.



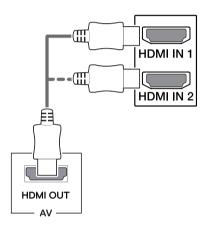
- If you use HDMI PC, it can cause compatibility problem.
- Use a certified cable with the HDMI logo attached.
   If you do not use a certified HDMI cable, the screen may not display or a connection error may
- Recommended HDMI cable types
- High-Speed HDMI®/™ Cable
- High-Speed HDMI®/™ Cable with Ethernet

## **Connecting to AV Devices**

#### **HDMI** connection

Transmits the digital video and audio signals from your PC and A/V devices to the monitor. Connect your PC and AV device to the monitor with the HDMI cable as illustrated below.

Press the menu button and then select the input option from the input menu.





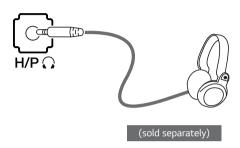
#### NOTE

- If you use HDMI PC, it can cause compatibility problem.
- 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  $\mathrm{HDMI}^{\circ}/^{\mathrm{TM}}$  Cable with Ethernet

## **Connecting to External Devices**

## **Connecting Headphones**

Connect peripherals to the monitor via the headphones port. Connect as illustrated.





#### **NOTE**

- Peripheral devices are sold separately.
- 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

 Depending on the audio settings of the PC and external device, headphones and speaker functions may be limited.

# **USER SETTINGS**

## **Activating the Main Menu**

- 1 Press the joystick button on the bottom of the monitor.
- 2 Move the joystick up/down ( $\triangle/\nabla$ ) and left/right( $\blacktriangleleft/\triangleright$ ) to set the options.
- 3 Press the joystick button once more to exit the main menu.



Button	Menu Status		Description
	Main	menu disabled	Enables the main menu.
Main menu enabled		menu enabled	Exits the main menu. (Holding down the button 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 <b>Input</b> feature.
	•	Main menu disabled	Adjusts the monitor volume level.
		Main menu enabled	Enters the <b>Menu</b> features.
<b>A</b>		Main menu disabled	Displays information on the current input.
		Main menu enabled	Turns off the monitor.
		Main menu disabled	Displays information on the current input.
	<b>*</b>	Main menu enabled	Enters the <b>Game</b> features.

#### Main Menu Features



Main Menu	Description
Menu	Configures the screen settings.
Game	Sets the picture mode for gaming.
Input	Sets input mode.
Power Off	Turns off the monitor.
Exit	Exits the main menu.

## **User Settings**

## Menu Settings

- 1 To view the OSD menu, press the joystick button at the bottom of the monitor and then enter the Menu.
- 2 Configure the options by moving the joystick up/down/left/right.
- 3 To return to the upper menu or set other menu items, move the joystick to ◀ or pressing (⑥ / Ok) it.
- 4 If you want to exit the OSD menu, move the joystick to ◀ until you exit.









**Quick Settings** 

Inpu

**Picture** 

Genera



#### **CAUTION**

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

Each option is described below.

Menu > Quick Settings	Description			
Brightness	Adjusts the co	olor contrast and brightness of the screen.		
Contrast	Aujusts the co	nor contrast and brightness of the screen.		
Volume	Adjusts the vo	olume level.		
	NOTE			
	<ul> <li>You can adjust Mute / Unmute by moving the joystick button to ▼ in the Volume menu.</li> </ul>			
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 between a red and blue tone.			
	Cool	Cool Sets the screen color to a bluish tone.		

Menu > Input		Description			
Input List	Selects the in	put mode.			
Aspect Ratio	Adjusts the a	Adjusts the aspect ratio of the screen.			
	Full Wide	Displays the video in wide-screen, regardless of the video signal input.			
	Original	Displays video according to the aspect ratio of the video signal input.			
	1:1	The aspect ratio is not adjusted from the original.			
	resolution There is	TE  blay may look the same for Full Wide , Original, and 1:1 options at the recommended on (3840 × 2160).  no 1:1 menu on FreeSync Mode. ( Go to Picture → Game Adjust → FreeSync, to set c Option)			

Menu > Picture	Description			
Picture Mode	Custom Allows the user to adjust each element. The color mode of the main menu can be adjusted.			
	<b>Reader</b> Optimizes the screen for viewing documents. You can brighten the screen in the OSD menu.			
	Photo	Optimizes the screen for photos.		
	Cinema	Optimizes the screen for video.		

Picture Mode	Dark Room 1	This mode adjusts the brightness to the optimal level for working in a dark environment.
	Dark Room 2	This mode sets the brightness to a lower level than Dark Room 1.
	Color Weakness	This mode is for users who cannot distinguish between red and green. It enables users with color weakness to easily distinguish between the two colors.
	FPS Game 1	This mode is optimized for FPS games.
	FPS Game 2	It has a higher Black Stabilizer value than FPS Game 1. It is suitable for very dark FPS games.
	RTS Game	This mode is optimized for RTS Game.
	Custom (Game)	In this mode, users can customize various elements including game-related options.



## NOTE

• If the picture mode is changed, the screen may flicker or the resolution of your PC screen may be affected

Picture Adjust	Brightness	Adjusts the brightness of the screen.					
	Contrast	Adjusts the contrast of the screen.					
	Sharpness	Adjusts the sharpness of the screen.					
	SUPER RESOLUTION+	High			iality is displayed wl	hen a user wants crystal clear deo or game.	
		Middle	betwe		h modes for comfo	d when a user wants images rtable viewing. It is effective	
		Low				nen a user wants smooth and g pictures or still images.	
		Off		t this option for d off in this mo		SUPER RESOLUTION+ is	
		() No	OTE				
		it is not	recomi	mended to use	•	ess of low resolution pictures, rmal text or for desktop harpness.	
	Black Level	Sets the offs	set leve	t level (for HDMI only).  reference for a video signal, this is the darkest color the monitor can			
		High	Keeps	the current co	ntrast ratio of the s	screen.	
		Low Lowers the black levels and raises the white levels from the current contrast ratio of the screen.					
	HDMI ULTRA HD Deep	Provides sharper images when connected to a device supporting ULTRA HD Deep Color.					
	Color	4K@60 Hz Support Format <sup>1)</sup>					
				Frame rate	Color Depth / Chroma Sampling		
		Resoluti	on	(Hz)	8 bit	10 bit	
					YCbCr 4:2:0		
				59.94		YCbCr 4:2:2	
		3840 x 2160		60.00	YCbCr 4:4:4	-	
					RGB 4:4:4	-	
		1) Supported when HDMI ULTRA HD Deep Color is set to On.					
		•	)TE	nd dovice does r	not support LIUD Po	ocalution the feature may	
		<ul> <li>If the connected device does not support UHD Resolution the feature may not work properly.</li> <li>If a problem occurs, set the HDMI ULTRA HD Deep Color option to Off.</li> </ul>					
		• II a prob	ACIII OC	curs, set the rit	J 02.110 1110 DCC	,	
	DFC	On				cording to the screen.	

Game Adjust	Response Time	For a normal enviror moving picture, it is	Sets a response time for displayed pictures based on the speed of the screen. For a normal environment, it is recommended that you use <b>Normal</b> . For a fast-moving picture, it is recommended that you use <b>Fast</b> . Setting to <b>Fast</b> may cause image sticking.			
		Fast	Sets the response time to Fast.			
		Normal	Sets the response time to Normal.			
		Slow	Sets the response time to Slow.			
		Off	Does not use the response time improvement feature.			
	FreeSync	• Supported Inte • Supported Granecessary.	and natural images by synchronizing the vertical frequency of the at of the output signal.  Verface: DisplayPort,HDMI. phic Card: A graphic card that supports AMD's FreeSync is sion: Make sure to update the graphic card to the latest driver.			
		For more informand.com/FreeS	mation and requirement, refer to AMD website at http://www. Sync			
		Extended	Enable wider frequency range of FreeSync function than basic mode. The screen may flicker during the game play.			
		Basic	Enable basic frequency range of FreeSync function.			
		Off	FreeSync function off.			
	Black Stabilizer	Increasing the <b>Black</b> (You can easily disti	black contrast to have better visibility in dark scenes.  k Stabilizer value brightens the low gray level area on the screen. inguish objects on dark game screens.)  Stabilizer value darkens the low gray level area and increases st on the screen.			
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 between a red and blue tone.			
		Cool	Sets the screen color to a bluish tone.			
	Red	You can customize	the picture color using <b>Red, Green</b> , and <b>Blue</b> colors.			
	Green					
	Blue					
	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 Picture reset your settings?					
	No	Cancel the select.				
		Returns to the default settings.				

Menu > General	Description				
Language	Sets the menu screen to the desired language.				
SMART ENERGY	High	Saves energy using the high-efficiency SMART ENERGY SAVING feature.			
SAVING	Low	Saves energy using the low-efficiency SMART ENERGY SAVING feature.			
	Off	Disables the SMART ENERGY SAVING feature.			
Power LED	Turns the power	LED on the bottom of the monitor on or off.			
	On	The power LED turns on automatically.			
	Off	The power LED turns off.			
Automatic Standby		omatically turns off the monitor when there is no movement on the screen for a period set a timer for the auto-off function. (Off, 4 H, 6 H, and 8 H)			
DisplayPort 1.2	Enable	Enables DisplayPort 1.2.			
	Disable	Disables DisplayPort 1.2.			
Buzzer	graphics card. Set this option to Disable if your graphics card does not support DisplayPort 1.2.  This feature lets you set the sound generated from Buzzer when your monitor powers on to On or Off.				
	On	Enables your monitor`s Buzzer.			
	Off	Disables your monitor`s Buzzer.			
OSD Lock	This feature disa	This feature disables the configuration and adjustment of menus.			
	On	Enables OSD Lock.			
	Off	Disables OSD Lock.			
	NOTE  • All features are disabled except Brightness, Contrast, Volume, Input, OSD Lock in General, and the Exit button.				
OSD Size	User can select (	OSD Size to Large or Small.			
Reset	Do you want to	reset your settings?			
	No	Cancel the select.			
	Yes	Returns to the default settings.			



• Saving Data depends on the Panel. So, these values may be different from each panel and/or panel vendor. If the SMART ENERGY SAVING option is High or Low, monitor luminance become higher or lower depending on the source.

## **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 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 (Menu > Input > Input list).			
Is the OUT OF RANGE message being displayed?	<ul> <li>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.</li> </ul>			
Is the No Signal message being displayed?	<ul> <li>This is displayed when the signal cable between the PC and the monitor is missing or disconnected. Check the cable and reconnect it.</li> </ul>			

The OSD lock message is being displayed.		
Are some functions not available when you press the Menu button?	The OSD is locked. Go to Menu > General and set OSD Lock to Off.	

The screen retains an image.		
Does image sticking occur even when the monitor is turned off?	<ul> <li>Displaying a still image for a prolonged time may cause damage to the screen, resulting in the retention of the image.</li> <li>To extend the lifetime of the monitor, use a screensaver.</li> </ul>	

Screen display is unstable and shaky / Images displayed on the monitor leave shadow trails.		
Did you select the appropriate resolution?	<ul> <li>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.</li> </ul>	



- **Vertical frequency** In order to display an image, the screen must be refreshed dozens of times per second, like a fluorescent lamp. The number of times the screen is refreshed per second is called vertical frequency, or refresh rate, and is represented by Hz.
- Horizontal frequency The time it takes to display one horizontal line is called the horizontal cycle. If 1 is divided by the horizontal interval, the result is the number of horizontal lines displayed per second. This is called horizontal frequency and is represented by kHz.



- Check if the graphics card's resolution or frequency is within the range allowed by the monitor and set it to the recommended (optimal) resolution in **Control Panel > Display > settings**.
- 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.
- Some graphics cards may not support 3840 x 2160 resolution. If the resolution cannot be displayed, contact the manufacturer of your graphics card.

The display color is abnormal.			
Does the display appear discolored (16 colors)?	• Set the color to 24 bit (true color) or higher. In Windows, go to control Panel > Display > Settings > Color Quality.		
Does the display color appear unstable or monochrome?	<ul> <li>Check if the signal cable is connected properly. Reconnect the cable or reinsert the PC's graphics card.</li> </ul>		
Are there spots on the screen?	<ul> <li>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.</li> </ul>		

Do you see an "Unrecognized monitor, Plug&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 appear with your display Or you are also desired at the driver from the display of the driver from the display driver.		
	that comes with your display. Or, you can also download the driver from our web site: http://www.lg.com.		
	<ul> <li>Make sure to check if the video card supports Plug&amp;Play function.</li> </ul>		

No sound from the headphone port or speaker.			
Are images displayed using DisplayPort or HDMI input without sound?	<ul> <li>Try increasing the volume using the button on the monitor.</li> <li>Set the audio output of the PC to the monitor you are using. On Microsoft Windows, go to Control Panel &gt; Hardware and Sound &gt; Sound &gt; set the monitor as default device.</li> </ul>		

Monitor does not work with external device such as AV Receiver, Blu-ray Player, DVD Player, Set-Top box, HDMI Repeater, etc.		
Does the connected device support UHD resolution (HDMI 2.0)?	<ul> <li>Some devices may have compatibility issues, e.g. no display, no sound, and abnormal color.</li> <li>Set the HDMI ULTRA HD Deep Color to Off, go to Menu &gt; Picture &gt; Picture Adjust &gt; HDMI ULTRA HD Deep Color.</li> </ul>	

## **SPECIFICATIONS**

## 32UD59/32MU59

		T .		
LCD Screen	Type TFT (Thin Film Transistor)			
		LCD (Liquid Crystal Display) Screen		
	Pixel Pitch	0.181 mm x 0.181 mm		
Resolution	Maximum Resolution 3840 x 2160 @ 60 Hz			
	Recommended Resolution	3840 x 2160 @ 60 Hz		
Video Signal	Horizontal Frequency 30 kHz to 135 kHz			
	Vertical Frequency	56Hz to 61 Hz		
Input Connector	HDMI IN1, HDMI IN2, DP(Displ	layPort) IN, H/P(Headphone) OUT		
Power input	19 V 3.3 A			
Power	On mode: 39 W Typ. (ENERGY STAR® standard)*			
consumption	50 W Typ. (Outgoing condition)**			
(Тур.)	Sleep Mode ≤ 0.5 W			
	Off Mode ≤ 0.3 W			
AC/DC adaptor	Type DA-65G 19, Asian Power Devices Inc. production			
	Or type LCAP39, LIEN CHANG ELECTRONIC ENTERPRISE production			
	Output: 19 V === 3.42 A			
Environmental	Operating Condition	Temperature: 0°C to 40°C; Humidity: < 80%		
Conditions	Storing Condition Temperature: -20°C to 60°C; Humidity: < 85%			
Dimension	Monitor Size (Width x Height x Depth)			
	<b>With Stand</b> 728.1 mm x 458.2 mm x 236.8 mm			
	Without Stand	728.1 mm x 424.6 mm x 49.9 mm		
Weight (Without	With Stand	ith Stand 7.1 kg		
Packaging)	Without Stand	5.3 kg		

Product specifications shown above may be changed without prior notice due to upgrade of product functions.

<sup>\*</sup> The power consumption level can be different by operating condition and monitor setting.

<sup>\*</sup> The On mode power consumption is measured with ENERGY STAR® test standard.

<sup>\*\*</sup> The On mode power consumption is measured with LGE test standard (Full White pattern, Maximum resolution).

# Factory Support Mode (Preset Mode, PC)

# **HDMI**

Display Modes (Resolution)	Horizontal Frequency(kHz)	Vertical Frequency(Hz)	Polarity(H/V)	Remarks
640 x 480	31.469	59.94	-/-	
800 x 600	37.879	60.317	+/+	
1024 x 768	48.363	60	-/-	
1152 x 864	54.347	60.05	+/+	
1280 x 720	45	60	+/+	
1280 x 1024	63.981	60.02	+/+	
1600 x 900	60	60	+/+	
1920 x 1080	67.5	60	+/-	
2560 x 1440	88.79	59.95	+/-	
3840 x 2160	67.5	30	+/-	
3840 x 2160	135	60	+/-	When HDMI ULTRA HD Deep Color is set to ON.

# **DisplayPort**

Display Modes (Resolution)	Horizontal Frequency(kHz)	Vertical Frequency(Hz)	Polarity(H/V)	Remarks
640 x 480	31.469	59.94	-/-	
800 x 600	37.879	60.317	+/+	
1024 x 768	48.363	60	-/-	
1152 x 864	54.347	60.05	+/+	
1280 x 720	45	60	+/+	
1280 x 1024	63.981	60.02	+/+	
1600 x 900	60	60	+/+	
1920 x 1080	67.5	60	+/-	
2560 x 1440	88.79	59.95	+/-	
3840 x 2160	66.66	30	+/-	
3840 x 2160	133.32	60	+/-	

# **HDMI Timing (Video)**

Factory support mode (Preset Mode)	Horizontal Frequency(kHz)	Vertical Frequency(Hz)	Remarks
480p	31.5	60	
720p	45.0	60	
1080p	67.5	60	
2160p	135	60	When HDMI ULTRA HD Deep Color is set to ON.

# Power LED

Mode	LED Color
On Mode	White
Sleep Mode	Off
Off Mode	Off



To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit http://opensource.lge.com. In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com. This offer is valid for three (3) years from the date on which you purchased the product.

This device meets the EMC requirements for home appliances (Class B) and is intended for home usage. 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	



ENERGY STAR® is a set of power-saving guidelines issued by the U.S.Environmental Protection Agency (FPA).

As an ENERGY STAR® Partner LGE U. S. A., Inc. has determined that this product meets the ENERGY STAR® quidelines for energy efficiency.

Refer to ENERGYSTAR.gov for more information on the ENERGY STAR® program.