

Owner's Manual



* LG LED Monitor applies LCD screen with LED backlights.

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

27G850A

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LICENSE

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



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To obtain the source code that is contained in this product, under GPL, LGPL, MPL, and other open source licenses that have the obligation to disclose source code, and to access all referred license terms, copyright notices and other relevant documents, please visit https://opensource.lge.com.

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 <code>opensource@lge.com</code>.

This offer is valid to anyone in receipt of this information for a period of three years after our last shipment of this product.

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 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.
- 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.
- For wave pattern on appearance, unlike the general method of coating, it's applied
 to added glittering material in raw material. With no peeled-off appearance, it has
 good durability. Please use it with confidence because there is no problem in using
 the product at all.



NOTE

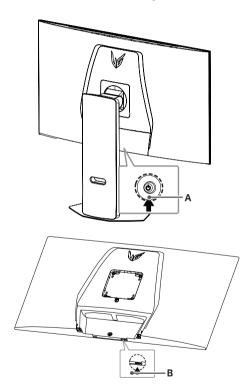
- The components may look different from those illustrated here.
- Without prior notice, all product information and specifications contained in this manual are subject to change to improve the performance of the product.
- To purchase optional accessories, visit an electronics store or an online shopping site, or contact the retailer from where 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 LGE website (www.lg.com).

Drivers and Software	Installation Priority
Monitor Driver	Recommended
LG Switch	Recommended
LG Calibration Studio	Optional
Dual Controller	Optional

Product and Button Description



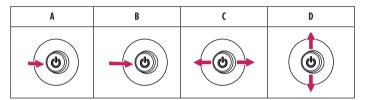
A: Joystick Button

B: Dual-Mode Button

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.

Basic Functions



- **A Power on**: Press the joystick button once with your finger to turn on the monitor.
- **B Power off**: Press and hold the joystick button once more than 5 seconds with your finger to turn off the monitor.
- C Volume control: You can control the volume by moving the joystick button left/right.
- **D Controls screen brightness**: You can control the screen's brightness by moving the joystick button up/down.

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.

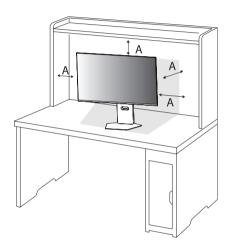




- Avoid touching the monitor screen as much as possible.
- This may result in damage to the screen or some of the pixels used to create images.
- If you use the monitor panel without the stand base, its joystick button may cause
 the monitor to become unstable and fall, resulting in damage to the monitor or
 human injury. In addition, this may cause the joystick button to malfunction.

Installing on a Table

• Lift the monitor and place it on the table in an upright position. Place the monitor at least 100 mm (3.94 inches) away from the wall to ensure sufficient ventilation.



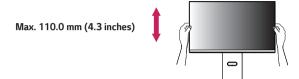
A: 100 mm (3.94 inches)

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 Stand Height

- Place the monitor mounted on the stand base in an upright position.
- 2 Handle the monitor with both hands for safety.





WARNING

• When adjusting the screen height, do not place your hand on the stand body to avoid injury to your fingers.

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 -8° to 15° for a comfortable viewing experience. And you can also adjust the angle of the screen by 30 degrees to the left or to the right.



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.

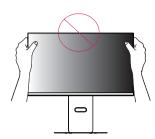






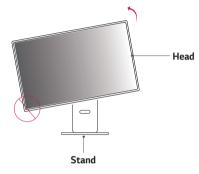


 Be careful not to touch or press the screen area when adjusting the angle of the monitor.



Pivot Feature

The pivot feature allows the monitor to rotate 90° counterclockwise.





WARNING

- To avoid scratching the stand base, make sure that when rotating the monitor using the pivot feature, the stand does not make contact with the monitor.
- When using the Pivot function, do not rotate the monitor too fast or with excessive force.
- The head may come in contact with the stand and scratch the base.
- Be careful as you may injure your finger by jamming it between the head and the stand.

1 Raise the monitor to the maximum height.



2 Adjust the angle of the monitor in the direction of the arrow as shown in the figure.



3 Rotate the monitor counterclockwise as shown in the figure.



4 Complete the installation by rotating the monitor 90° as shown below.





WARNING

 Be careful as you may injure your finger by jamming it between the head and the desk.



NOTE

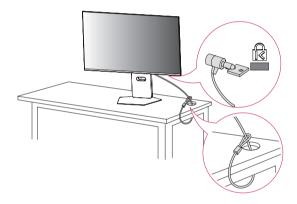
- Auto Pivot feature of the display is not supported.
- The screen can be rotated easily using the screen pivot shortcut key provided with your Windows operating system. Note that some Windows versions and some graphics card drivers may use different settings for the screen pivot key or may not support the pivot key at all.

Using the Kensington Lock

The connector for the Kensington security system is located at the bottom of the monitor.

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

Connect the monitor to a table using the Kensington security system cable.





 The Kensington security system is optional. You can obtain optional accessories from most electronics stores.

Installing the Wall Mount Plate

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

- 1 Place the screen face down. To protect the monitor panel (screen), cover the surface with a soft cloth or the monitor protection pad included in the product package.
- 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 using a screwdriver to fix the plate to the monitor.

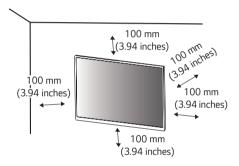


NOTE

- The wall mount plate is sold separately.
- For more information on installation, refer to the wall mount plate's installation quide.
- 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 (3.94 inches) away from the wall and leave about 100 mm (3.94 inches) 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.

- 1 If you use screws longer than the standard length, it may damage the inside of the product.
- 2 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 nonstandard screws.

Wall Mount (mm)	100 x 100
Standard screw	M4 x L10
Number of screws	4
Wall Mount Plate (Optional)	LSW 149



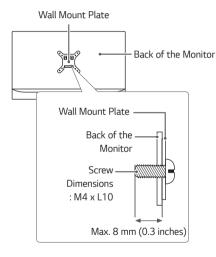
- · Use the screws specified by VESA standards.
- The wall mount kit includes the installation guide and all necessary parts.
- The wall mounting bracket is optional. You can obtain optional accessories from your local dealer.
- The length of the screw may differ for each wall mounting bracket. Be sure to use the proper length.
- 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.
- 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 (0.3 inches) or less.



USING THE MONITOR

Illustrations in this manual may differ from the actual product.
 Press the joystick button, go to Settings

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 screensaver if possible.



NOTE

- 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
 - Ultra High Speed $\mathrm{HDMI}^{\otimes}/^{\mathrm{TM}}$ cable

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.
- If you are using a Mini DisplayPort output graphics card, use a Mini DP to DP (Mini DisplayPort to DisplayPort) cable or gender that supports DisplayPort2.1 or DisplayPort1.4. (Sold separately)

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
- Ultra High Speed HDMI®/™ cable

Connecting Peripherals

USB Device connection

The USB port on the product functions as a USB hub.

To use USB 3.0, connect the A-B type USB 3.0 cable of the product to the PC. Peripheral devices connected to the USB IN port can be controlled from the PC.



NOTE

- It is recommended you install all Windows Updates to keep your Windows up-todate before connecting to the product for use.
- · Peripheral devices are sold separately.
- A keyboard, mouse, or USB device can be connected to the USB port.
- The charging speed may vary depending on the device.



CAUTION

Cautions When Using a USB Device

- A USB device with an automatic recognition program installed, or that uses its own driver, may not be recognized.
- Some USB devices may not be supported or may not work properly.
- It is recommended to use a USB hub or hard disk drive with power supplied. (If the power supply is not adequate, the USB device may not be recognized properly.)

Connecting Headphones

Connect peripherals to the monitor via the headphones port.



NOTE

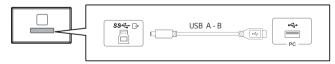
- · Peripheral devices are sold separately.
- If you use angled earphones, it may cause a problem with connecting another external device to the monitor. Therefore, it is recommended to use straight earphones.





Angled Straight (Recommend)

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



 Please connect the USB A to B cable to use a microphone function with headphones equipped with a microphone.

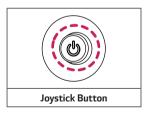
USER SETTINGS



- Your monitor's OSD (On Screen Display) may differ slightly from that shown in this manual.
- When Beep Guide is activated, pressing the joystick button will take you to Settings right away.

Activating the Main Menu

- 1 Press the joystick button on the back of the monitor.
- 2 Move the joystick up/down (▲ / ▼) and left/right (▼/ ►) to set the options.
- 3 Press the joystick button once more to exit the main menu.



Button		Menu Status	Description
	Main m	enu disabled	Enables the main menu.
	Main menu enabled		Enters the Settings feature. (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 Input feature.
		Main menu disabled	Adjusts the monitor volume level.
		Main menu enabled	Enters the Game Mode feature.
		Main menu disabled	Enters the Accessibility menu.
		Main menu enabled	Turns off the monitor.
		Main menu disabled	Enters the Accessibility menu.
V	V	Main menu enabled	Exits the main menu.

Main Menu Features



Main Menu	Description			
Input	s input mode.			
Power Off	rns off the monitor.			
Settings	Configures the screen settings.			
Game Mode	Sets the game mode for gaming.			
Exit	Exits the main menu.			

User Settings

Menu Settings

- 1 To view the OSD menu, press the joystick button at the back of the monitor and then enter the **Settings**.
- 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 (டு) it.
- 4 If you want to exit the OSD menu, move the joystick to ◀ until you exit.



Game Mode on SDR(Non-HDR)signal.

Settings > Game Adjust > Game Mode		Mode	Description
		Personalized Picture	Set up a customized picture mode tailored to your preferences.
		Gamer 1	In this mode, users can customise elements including game-related options.
		Gamer 2	Gamer 1 and Gamer 2 picture modes allow you to save two sets of customised display settings, including game-related setup options.
		FPS	This mode is optimised for FPS games. It is suitable for very dark FPS games.
		RTS	This mode is optimised for RTS games.
		Vivid	Optimised the screen for vivid colors.
	Reader HDR Eff	Reader	Optimises the screen for viewing documents. You can brighten the screen in the OSD menu.
		HDR Effect	Optimises the screen for high dynamic range.
Game Adjust	Game Mode	sRGB	A standard RGB color space for the monitor and printer.
		DCI-P3	Suitable for watching digital videos. (for SDR only)
		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.
		Calibration 1	Adjusts to the calibrated screen.
		Calibration 2	Adjusts to the calibrated screen.
		NOTE	
Personalized Pictu			Please install the LG Switch and proceed "Personalized Picture Wizard".
Calibration 1/Calibration 2 : Please install LG Calibration Studio to run calibration.		on 2 : Please install LG Calibration Studio to run calibration.	

Game Mode on HDR signal.

Settings > Game Adjust > Game Mode		Mode	Description	
		Personalized Picture	Set up a customized picture mode tailored to your preferences.	
		Gamer 1	In this mode, users can customise elements including game-related options.	
Gamer 2		Gamer 2	Gamer 1 and Gamer 2 picture modes allow you to save two sets of customised display settings, including game-related setup options.	
		FPS	This mode is optimised for FPS games. It is suitable for very dark FPS games.	
RTS Vivid		RTS	This mode is optimised for RTS games.	
		Vivid	Optimised the screen for vivid colors.	
Game Adjust	Game Mode	Same Mode NOTE		
		Personalized Picture : Ple	ease install the LG Switch and proceed "Personalized Picture Wizard".	
		HDR content may not be operated properly depending on the Windows10 OS setting. Please check the HDR On / Off setting of Windows.		
		When the HDR function is turned on, the characters or picture quality may be poor according to Graphic card performance.		
		While the HDR function is on, screen flickering or cracking may occur when changing the monitor input or power on/off according to Graphic card performance.		
For information about whether the graphics card and game support		For information about when	ether the graphics card and game support HDR, visit their manufacture's website.	

Settings > Game Adjust		Description		
		By increasing the re	fresh rate, you can experience smoother and faster motion.	
		Off	It can support up to 3840 x 2160 at 240 Hz, and may vary depending on PC performance.	
		On(Full Wide) /	It can support up to 1920 x 1080 at 480 Hz, and may vary depending on PC performance.	
	Dual Mada	On(24")	Screen size is changed following each settings.	
	 Dual-Mode • Dual-Mode button allows you to switch Dual-Mode between Off and the previous selection On(Full Viole). • Initially switches between Off and On(Full Wide). • To activate Dual-Mode while a game is running, please exit the game first and then launch Dual-Mode 			
Game Adjust	Adaptive-Sync / VRR	Supported Interfa Supported Graphi Supported Version	Indicator in the control in the vertical frequency of the input signal with that of the output in the control i	
		Extended	Enables wider frequency range of Adaptive-Sync/VRR function than basic mode. The screen may flicker during the game play.	
		Basic	Enables basic frequency range of Adaptive-Sync/VRR function.	
		Off	Adaptive-Sync/VRR function off.	
	Black Stabilizer		black contrast to have better visibility in dark scenes. Iguish objects on dark game screens.	

	1	1	
		Sets a response tim	e for displayed pictures based on the speed of the screen.
		For a normal enviror	nment, it is recommended that you use Fast .
		For a fast-moving p	icture, it is recommended that you use Faster .
		Once Faster Mode is selected, Motion Blur may occur depending on the content.	
	Response Time	Faster	Sets the response time to Faster.
		Fast	Sets the response time to Fast.
		Normal	Sets the response time to Normal.
		Off	Does not use the response time improvement feature.
Game Adjust	Crosshair	Crosshair provides a mark on the center of the screen for First Person Shooter (FPS) games. Users can select the Crosshair that fits their gaming environment among four different Crosshairs.	
danie Adjust		On	The indicator is displayed on the upper left of the screen. It will reflect the actual frame rate that is received at the input. You can also adjust the position of FPS Counter. (upper left / upper right / lower right / lower left)
	FPS Counter	Off	Does not use the FPS Counter feature.
		NOTE	
		• FPS Counter and Crosshair feature can not be used at the same time.	
	Game Reset	Returns game to the default settings.	
		No	Cancel the select.
		Yes	Returns to the default settings.

Settings > Picture Adjust			Description		
	Brightness	Adjusts the brightne	Adjusts the brightness of the screen.		
	Contrast	Adjusts the contras	t of the screen.		
Sharpness Adjusts the sharpness of the screen.			ess of the screen.		
	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.		
		Custom	The user can adjust it to red, green, or blue by customization.		
		Warm	Sets the screen color to a reddish tone.		
	Color Temp	Medium	Sets the screen color to between a red and blue tone.		
Picture Adjust		Cool	Sets the screen color to a bluish tone.		
r icture Aujust	Picture Aujust		The user can fine - tune the color temperature.		
	R/G/B	You can customize	the picture color using Red, Green , and Blue colors.		
Meets the user requirements for colors by adjusting the hue and saturation of the Magenta and Yellow) and then saving the settings.		uirements for colors by adjusting the hue and saturation of the six colors (Red, Green, Blue, Cyan,			
	Six Color	Hue	Adjusts the tone of the screen colors.		
		Saturation	Adjusts the saturation of the screen colors.		
	Black Level		Sets the offset level (for HDMI only). • 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.		

		Provides extended contrast and gradation on a dark screen depending on game or video content.		
		High	Preferably for PC gaming experiences.	
		Middle	Preferably for console gaming experiences.	
		Low	Preferably for playing video content and internet or word-processing.	
		Off	Disables the Deep Black Pro feature.	
Deep Black I	Deep Black Pro	malfunction. • When these featu • The function can c	re is enabled, a slight halo effect may be shown on dark backgrounds. This is normal and not a re is enabled, the screen flickering may occur intermittently. only be used on HDR content.	
		Do you want to reset your picture settings?		
	Picture Reset	No	Cancel the select.	
		Yes	Returns to the default settings.	

Settings > Sound		Description	
		Enables the realization of three-dimensional sound with headphones or earphone.	
		Game	This mode is optimised for Game.
	DTS Headphone:X	Entertainment	This mode is optimised for Entertainment.
		Sports	This mode is optimised for Sports.
Sound		Off	Disables DTS Headphone:X function.
		Adjusts the volume	level.
Volume		NOTE You can adjust M	ute / Unmute by moving the joystick button to ▼ in the Volume menu.

Settings > Input		Description	
	Input List	Selects the input mode.	
		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.
	Aspect Ratio	Just Scan	The aspect ratio is not adjusted from the original. (Depending on the model, it may not be supported.)
Input		NOTE • The display may look the same for Full Wide, Original, and Just Scan options at the recommended resolution (3840 x 2160). When automatic input switch is set to On, display will automatically switch to new input when connected.	
	Auto Input Switch	On	Enables Auto Input Switch.
		Off	Disables Auto Input Switch .

Settings > General		Description	
	Language	Sets the menu scre	een to the desired language.
	Hexagon Lighting	You can turn on or	off the lighting on the back of the monitor, and you can also select or adjust the lighting color.
	User-defined Key 1	You can customise	the main menu to access your preferred menu easily.
	User-defined Key 2	User-definded Key 1 and User-definded Key 2 appear at the left/right of the main menu.	
		High	Saves energy using the high-efficiency SMART ENERGY SAVING feature.
	SMART ENERGY SAVING	Low	Saves energy using the low-efficiency SMART ENERGY SAVING feature.
		Off	Disables the SMART ENERGY SAVING feature.
		When Deep sleep mode is enabled, power consumption is minimized while the monitor is in standby mode.	
	Deep Sleep Mode	On	Enables Deep sleep Mode .
General		Off	Disables Deep sleep Mode.
	Automatic Standby	Feature that automatically turns off the monitor when there is no movement on the screen for a period of time. You a timer for the auto-off function. (8H, 6H, 4H and Off)	
		Please set the Inpu	t Compatibility Version to match the version of the connected external device.
	HDMI 2.1(PC)/2.1(AV)/1.4 If you want to use the HDR, select the Input Compatibility Ver		2.1(PC)/2.1(AV)/1.4 If you want to use the HDR, select the Input Compatibility Version to 2.1(PC) or 2.1(AV).
	Input Compatibility Version	DisplayPort	2.1/1.4/1.2 If you want to use the HDR, select the Input Compatibility Version to 2.1 or 1.4.
		NOTE If the connected 2.1(AV).	device supports 2.1 in HDMI but the screen or sound does not work properly, set this function to

		This feature lets ve	u set the sound generated from Buzzer when your monitor powers on.	
	Buzzer	This reactive iets you set the sound generated from buzzer when your monitor powers on.		
		On	Enables your monitor's Buzzer .	
		Off	Disables your monitor's Buzzer .	
		This feature disables the configuration and adjustment of menus.		
		On	Enables OSD Lock.	
		Off	Disables OSD Lock.	
General	OSD Lock	NOTE • All features are disabled except Brightness, Contrast, Volume, Input, OSD Lock, Information and Open Source Software License.		
	Screen Self-diagnosis	Checks for any pro	blems with the monitor image. Do not unplug the input cable.	
	Information	The display informa	ation will be shown the Total Power On Time, Resolution.	
	Open Source Software License	You can check the Open Source Software notice information.		
		Do you want to reset your settings?		
	Reset to Initial Settings	No	Cancel the reset.	
		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 "The screen is not currently set to the recommended resolution. If you have no video or the screen flickers, see the troubleshooting guide in the product owner's manual." message being displayed?	This occurs when signals transferred from the PC (graphics card) are out of the recommended 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.
Have you installed the display driver?	Be sure to install the display driver from our web site: http://www.lg.com. Make sure to check if the graphics card supports Plug and Play function.

Some features are disabled.		
Are some functions not available when you press the Menu button?	The OSD is locked. Go to Settings > General and set OSD Lock to Off .	

The screen retains an image.		
Does image sticking occur even when the	Displaying a still image for a prolonged time may cause damage to the screen, resulting in the retention of the image.	
monitor is turned off?		

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.	

3840 x 2160 resolution is not available in DisplayPort. (240 Hz)		
Is it connected to the correct input?	If it is connected with HDMI input, set it to DisplayPort input. Go to Settings > General > Input Compatibility Version and set the option to 2.1.	
	 Check if the graphics card supports the DSC (Display Stream Compression). Check if the graphics card driver has been updated to the latest version. 	

3840 x 2160 resolution is not available in HDMI. (240 Hz)		
Is it connected to the correct graphics card?	Check if the graphics card supports 3840 x 2160 / 240 Hz in HDMI. (NVIDIA RTX3000 Series, AMD RX6000 Series or higher) Check if the graphics card driver has been updated to the latest version.	



- 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 **Control Panel** > **Display** > **Settings** in Windows. (The settings may differ depending on the operating system (OS) you use.)
- · 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 discoloured (16 colors)?	• Set the color to 24 bit (true color) or higher. In Windows, go to Control Panel > Display > Settings > Color Quality . (The settings may differ depending on the operating system (OS) you use.)
Does the display color appear unstable or monochrome?	Check if the signal cable is connected properly. Reconnect the cable or reinsert the PC's graphics card.
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.

No sound from the headphone port.	
Are images displayed using DP (DisplayPort) or HDMI input 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. On Microsoft Windows, go to Control Panel > Hardware and Sound > Sound > Sound > set the Monitor as default device. (The settings may differ depending on the operating system (OS) you use.)

PRODUCT SPECIFICATION

LCD Screen	Color Depth	НДМІ	8-bit/10-bit color is supported.
		DP (DisplayPort)	8-bit/10-bit color is supported.
Resolution	Max Resolution	3840 x 2160 @ 240 Hz (HDMI) 3840 x 2160 @ 240 Hz (DP)	
	Recommended Resolution	3840 x 2160 @ 240 Hz (HDMI) 3840 x 2160 @ 240 Hz (DP)	
Power Sources	Power Rating	19 V 5.0 A	
AC/DC Adapter		ctured by SHENZHEN HONOR ELECTRONIC ctured by JAMA POWER SUPPLY TECHNOLOGY CC) LTD
Environmental Conditions	Operating Conditions	Temperature	0 °C to 40 °C (32 °F to 104 °F)
		Humidity	Less than 80 %
	Storing Conditions	Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
		Humidity	Less than 85 %
Dimensions Monitor Size (Width x Height x Depth)			
	With Stand	614.7 x 581.8 x 249.1 (mm)	24.2 x 22.9 x 9.8 (inches)
	Without Stand	614.7 x 365.4 x 68.1 (mm)	24.2 x 14.3 x 2.6 (inches)
Weight (Without Packaging)	With Stand	9.4 kg	20.6 lbs
	Without Stand	5.2 kg	11.4 lbs

Specifications are subject to change without notice.

The \sim symbol means alternating current, and the == symbol means direct current.

Factory Support Mode

HDMI

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	60.004	-/-	
1280 x 720	45	60	+/+	
1280 x 1024	79.976	75.025	+/+	
1920 x 1080	67.5	60	+/+	
1920 x 1080	66.587	59.934	+/-	
3840 x 2160	65.688	29.981	+/-	Recommended Timing - Input Compatibility Version: 1.4
1920 x 1080	137.327	120.041	+/-	
1920 x 1080	166.668	144.052	+/-	
2560 x 1440	182.996	119.998	+/-	
3840 x 2160	133.313	59.997	+/-	Recommended Timing - Input Compatibility Version: 2.1(AV)
2560 x 1440	222.268	144.05	+/-	
1920 x 1080	291.702	240.084	+/-	
3840 x 2160	333.333	144.050	+/-	
1920 x 1080	665.76	480	+/-	Recommended Timing - Input Compatibility Version: 2.1(FHD)
3840 x 2160	581.004	240.084	+/-	Recommended Timing - Input Compatibility Version: 2.1(PC)

DisplayPort

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	60.004	-/-	
1280 x 720	45	60	+/+	
1280 x 1024	79.976	75.025	+/+	
1920 x 1080	67.5	60	+/+	
1920 x 1080	137.327	120.041	+/-	
1920 x 1080	166.587	143.981	+/-	
3840 x 2160	133.313	59.997	+/-	Recommended Timing - Input Compatibility Version: 1.2
2560 x 1440	222.151	143.973	+/-	
1920 x 1080	291.702	240.084	+/-	
3840 x 2160	214.68	95.033	+/-	
3840 x 2160	333.333	144.05	+/-	
1920 x 1080	665.995	480.17	+/-	Recommended Timing - Input Compatibility Version: 2.1(FHD)
3840 x 2160	583.165	240.084	+/-	Recommended Timing - Input Compatibility Version: 1.4, 2.1

HDMI Timing (Video)

Factory support mode (Preset Mode)	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Remarks
480P	31.5	60	
720P	45	60	
1080P	67.5	60	
1080P	135	120	
2160P	135	60	
2160P	255	120	

Beep Guide

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Supplier's Declaration of Conformity

Trade Name LG

Responsible Party LG Electronics USA, Inc.

Address

111 Sylvan Avenue, North Building,

Addiess

Englewood Cliffs, NJ 07632

E-mail lg.environmental@lge.com

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		