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.

34WK95U   34BK95U

www.lg.com

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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.

❶ 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 LGE website (*www.lg.com*).

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

Product and Button Description

Joystick 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

|		Power on	Press the joystick button once with your finger to turn on the monitor.
		Power off	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.

NOTE

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

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.
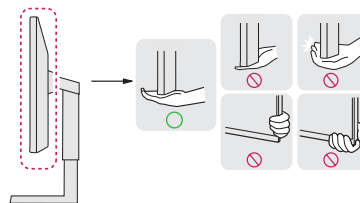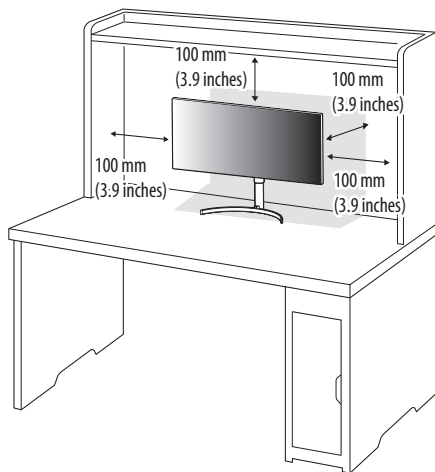

CAUTION

• 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.
• 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 (3.9 inches) 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 Stand Height

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

Max. 110.0 mm (4.3 inches)
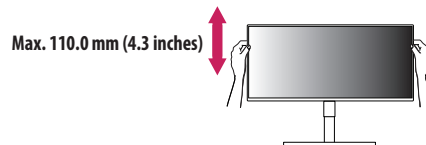
⚠ WARNING

- 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 -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.
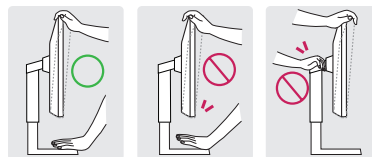
Using the Kensington Lock

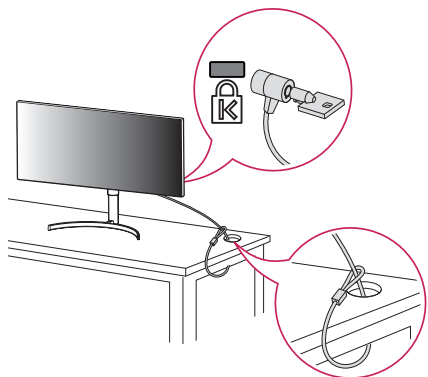The connector for the Kensington security system is located at the bottom of the monitor.

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.

🔔 NOTE

• 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.

🔔 NOTE
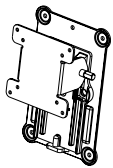
• The wall mount plate is sold separately.
• For more information on installation, refer to the wall mount plate's installation guide.
• Be careful not to apply too much force while mounting the wall mount plate as it may cause damage to the screen.
• Remove the stand before installing the monitor on a wall mount by performing the stand attachment in reverse.

Installing on the Wall

Install the monitor at least 100 mm (3.9 inches) away from the wall and leave about 100 mm (3.9 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.

100 mm (3.9 inches)

100 mm (3.9 inches)

100 mm (3.9 inches)

100 mm (3.9 inches)
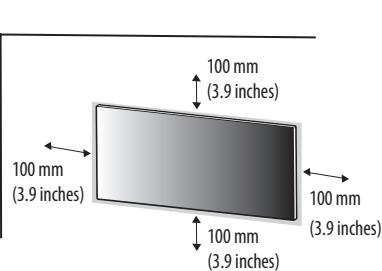
To install the monitor to a wall, attach a wall mounting bracket (optional) to the back of the monitor.
Make sure that the wall mounting bracket is securely fixed to the monitor and to the wall.

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.
- 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.

Wall Mount Plate

Back of the Monitor

Wall Mount Plate

Back of the Monitor

Standard screw:
M4 x L10

Max. 8 mm (0.3 inches)
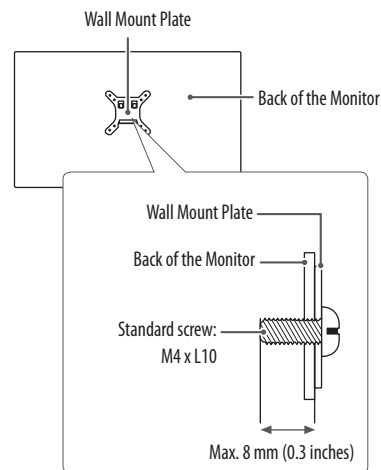
USING THE MONITOR

- 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 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.
- Make sure to use the supplied DisplayPort cable of the product. Otherwise, this may cause the device to malfunction.
- 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 DisplayPort1.4. (Sold separately)

Thunderbolt™ 3 (⚡) Connection

You can connect your high-resolution display or high-performance data device to the monitor via a Thunderbolt™ 3 (⚡) port.

⚠ NOTE

- The maximum data transmission rate of each port is 40 Gb/s.
- Make sure to use a Thunderbolt™ 3 (⚡) certified cable. Otherwise, this may cause the device to malfunction.
- Thunderbolt™ 3 (⚡) is supported in such environments as Windows 10 and Mac product.
- In accordance with Mac products may not support the recommended resolution or the some features.

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 Peripherals

USB Device connection

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

🚹 NOTE

• It is recommended you install all Windows Updates to keep your Windows up-to-date 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.

(Sold separately)
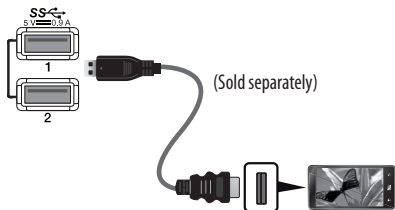
⚠ CAUTION

• 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.)

Case 1: Thunderbolt™ 3 (⚡) Input

Peripheral devices connected to the USB IN port can be controlled from the PC.

If you change the input on the menu while a device is connected via the Thunderbolt™ 3 (⚡) port, then the device connected via the USB port may not work properly.

[To use Thunderbolt cable]

To use USB 3.0, connect the Thunderbolt cable from the monitor to your PC.

Set the **USB Upstream** menu in **General** to **USB-C**.

[PC]   [Monitor]

ENGLISH

Case 2: HDMI/DP (DisplayPort) Input

Peripheral devices connected to the USB IN port can be controlled from the PC.

[To use USB C-A cable]

To use USB 3.0, connect the USB C-A cable from the monitor to your PC.

Set the **USB Upstream** menu in **General** to **USB-C**.

[PC]　(Sold separately)　[Monitor]

[To use USB A-B cable]

To use USB 2.0, connect the USB A-B cable from the monitor to your PC.

Set the **USB Upstream** menu in **General** to **USB-B**.

[PC]　USB UP　[Monitor]

Headphones Connection

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

① NOTE

• 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

Joystick Button

1 Press the joystick button on the bottom 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 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**	Enters the **Accessibility** menu.
		Main menu enabled	Turns off the monitor.
	▼	**Main menu disabled**	Enters the **Accessibility** menu.
		Main menu enabled	Enters the **Picture Mode** feature.

Main Menu Features
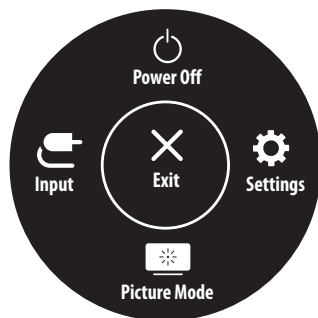
Main Menu	Description
Input	Sets input mode.
Power Off	Turns off the monitor.
Settings	Configures the screen settings.
Picture Mode	Sets the picture mode.
Exit	Exits the main menu.

Power Off
Input   Exit   Settings
Picture Mode

Menu Settings

1 To view the OSD menu, press the joystick button at the bottom of the monitor and then enter the **Settings**.
2 Move the joystick up/down and left/right to set the options.
3 To return to the upper menu or set other menu items, move the joystick to ◄ or pressing (⟳) it.
4 If you want to exit the OSD menu, move the joystick to ◄ until you exit.

Quick Settings   **Input**   **Picture**   **General**

🛈 NOTE

• ⬤▬ : On
• ▬⬤ : Off

Quick Settings

Settings > Quick Settings	Description
Brightness	Adjusts the contrast and brightness of the screen.
Contrast	
Auto Brightness	Optimizes the brightness automatically for surrounding illuminance.
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.
	Just Scan	The aspect ratio is not adjusted from the original.
	Cinema 1	Enlarges the screen with an aspect ratio of 21:9.
	Cinema 2	Enlarges the screen with an aspect ratio of 21:9, including the black box at the bottom for subtitles.
PBP	Displays the screens of two input modes on one monitor.	
Main/Sub Screen Change	Toggles between the main screen and sub screen in **PBP** mode.	
Main/Sub Sound Change	Toggles between the audio of the main screen and sub screen in **PBP** mode.	

[PBP]

Settings > Input	Description				
Input List	Displays the screens of two input modes on one monitor.				
	Main Input List	Please refer to the table below for possible PBP combinations.			
	Sub Input List				
	PBP Connection		**Sub Screen (Right)**		
			HDMI 1	HDMI 2	DP	Thunderbolt™ 3 (⚡) / USB-C
	Main Screen (Left)	HDMI 1	-	O	O	O
		HDMI 2	O	-	O	O
		DP	O	O	-	X
		Thunderbolt™ 3 (⚡) / USB-C	O	O	X	-
Aspect Ratio	Adjusts the aspect ratio of the screen.				
	Main Aspect Ratio	Full Wide	Displays the video to fit the PBP screen, regardless of the video signal input.		
		Original	Displays the video in the aspect ratio of the video signal input on the PBP screen.		
	Sub Aspect Ratio	Full Wide	Displays the video to fit the PBP screen, regardless of the video signal input.		
		Original	Displays the video in the aspect ratio of the video signal input on the PBP screen.		
PBP	You can disable the feature that displays images from two input modes simultaneously on one monitor.				
Main/Sub Screen Change	Toggles between the main screen and sub screen in **PBP** mode.				
Main/Sub Sound Change	Toggles between the audio of the main screen and sub screen in **PBP** mode.				

Picture

① NOTE

• The **Picture Mode** that can be set depends on the Input signal.

[Picture Mode on SDR (Non-HDR) signal]

Settings > Picture	Description	
Picture Mode	**Custom**	Allows the user to adjust each element.
	Vivid	Heightens contrast, brightness and sharpness to display vivid images.
	HDR Effect	Optimizes the screen for high dynamic range.
	Reader	Optimizes the screen for reading documents. You can brighten the screen in the OSD menu.
	Cinema	Optimizes the screen to improve the visual effects of a video.
	sRGB	A standard RGB color space for the monitor and printer.
	DCI-P3	Suitable for watching digital videos.
	EBU	A standard TV PAL color space for broadcasting.
	REC709	A standard HDTV color space for broadcasting.
	SMPTE-C	A standard TV NTSC color space for broadcasting.
	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 last calibrated screen.
	Calibration 2	Adjusts to the previously calibrated screen.
	① NOTE • If the **Picture Mode** is changed in the DP (DisplayPort) input, the screen may flicker or the resolution of your PC screen may be affected. • **Calibration 2** : Installation of LG Calibration Studio will enable this menu.	

[Picture Mode on HDR signal]

Settings > Picture	Description	
Picture Mode	**Custom**	Allows the user to adjust each element.
	Vivid	Optimized the screen for HDR vivid colors.
	Standard	Optimized the screen for HDR standard.
	Cinema	Optimized the screen for HDR video.
	⚠ NOTE • HDR content may not display correctly depending on Windows 10 OS settings, please check HDR On/Off settings in 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.	

Settings > Picture	Description		
Picture Adjust	**Brightness**	Adjusts the contrast and brightness of the screen.	
	Contrast		
	Auto Brightness	Optimizes the brightness automatically for surrounding illuminance.	
	Sharpness	Adjusts the sharpness of the screen.	
	SUPER RESOLUTION+	**High**	Optimizes the screen for crystal clear images. Best for high-definition video or games.
		Middle	Optimizes the screen for comfortable viewing, with images at the middle level between the low and high modes. Best for UCC or SD videos.
		Low	Optimizes the screen for smooth and natural images. Best for still images or images with less movement.
		Off	Displays in the most common setting. Disables **SUPER RESOLUTION+**.
		NOTE • Because this is a function to increase the sharpness of low resolution pictures, it is not recommended to use the function for normal text or for desktop icons. Doing so may result in unnecessarily high sharpness.	
	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	Adjusts the brightness automatically according to the screen.	
	Uniformity	Adjusts uniformity of the image.	
		NOTE • The **Uniformity** menu is activated only in **Custom** mode. Enabling **Uniformity** may reduce the overall brightness of the image.	

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	Set your own color temperature.		
		Custom		The user can adjust it to red, green, or blue by customization.
		6500K		Sets the screen color to a reddish tone.
		7500K		Sets the screen color to between a red and blue tone.
		9300K		Sets the screen color to a bluish tone.
		Manual		Adjusts the color temperature in 500K increments. (Note that 9300K is supported rather than 9500K.)
	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.
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.
Picture Reset	Do you want to reset your picture 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 higher or lower depend on source.	
Power LED	Turns the power LED on the bottom 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**)	
DisplayPort Version	Set **DisplayPort Version** to the same version as the connected external device. (**1.4**, **1.2**, and **1.1**) To use the HDR function, set to **1.4**.	

Settings > General	Description			
HDMI ULTRA HD Deep Color	If the connected device supports Deep Color, sharper images are provided.			
	4 K @ 60 Hz Support Format (HDMI ULTRA HD Deep Color : On)			
	Resolution	**Frame rate (Hz)**	**Color Depth / Chroma Sampling**	
			8 bit	**10 bit**
	3840 x 2160	59.94 60.00	YCbCr 4:2:0	
			YCbCr 4:2:2	
			YCbCr 4:4:4	-
			RGB	-
	⊕ NOTE • To use HDMI ULTRA HD Deep Color, turn this function "On". • If the connected device does not support Deep Color, the screen or sound may not work properly. In this case, set this function to off. • The **HDMI ULTRA HD Deep Color** function can be set individually for each HDMI port.			
Local Dimming	Maximizes the contrast ratio by making the bright areas of the screen brighter and the dark areas of the screen darker. **⊕ NOTE** • Turning this option **Off** may increase energy consumption.			
	Off	Disables the feature.		
	On	Enables **Local Dimming**.		
	Auto	Adjusts the contrast ratio automatically according to the screen for high dynamic range.		
Buzzer	This feature lets you set the sound generated from Buzzer when your monitor powers on.			

Settings > General	Description		
OSD Lock	This feature disables the configuration and adjustment of menus.		
USB Upstream	Select the USB Upstream cable connection port to use the USB Hub of the monitor.		
	USB-C	USB Upstream operates via Thunderbolt™ 3 (⚡) port.	
	USB-B	USB Upstream operates via USB UP port.	
Information	The following display information will be shown; **Serial Number**, **Total Power On Time**, **Resolution**.		
Reset to Initial Settings	**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 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**).

Does the **No Signal** message appear or is the screen not displayed?	• This is displayed when the signal cable between the PC and the monitor is missing or disconnected. Check the cable and reconnect it.
	• If the screen is not displayed after reconnecting the signal cable, set as below.
	  - HDMI Input: Set **HDMI ULTRA HD Deep Color** to off in the monitor's **General** settings.
	  - DisplayPort Input: Set **DisplayPort Version** in the monitor's **General** settings to the same version as the connected external device.

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.
Does the connected PC support Thunderbolt™ 3 (⚡) when the Thunderbolt cable is used?	• Use the USB-C Cable (sold separately) for the PC that only supports the USB-C output. • Contact the manufacturer of the PC to see if the PC supports Thunderbolt™ 3 (⚡).
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, pixelated 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 our web site: *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.)

4K/5K resolution is unavailable.

Did you check the cable connection?	• Check if the cable is properly connected. • It is recommended to use the accessories supplied with the product.
Is the resolution and refresh rate set properly?	• Set the proper resolution and refresh rate in the PC screen resolution settings or the player's option menu.
Does the connected external device support 4K/5K resolution?	• It is available only on external devices that support 4K/5K resolution. • Check if the connected external device supports 4K/5K resolution.
Is the **HDMI ULTRA HD Deep Color** function enabled? (In case of 4K)	• Go to **Settings** > **General** > **HDMI ULTRA HD Deep Color** function to enable the function.
Did you set the **DisplayPort Version** to **1.4**? (In case of 5K)	• Go to **Settings** > **General** > **DisplayPort Version** to set the version to **1.4**.

PRODUCT SPECIFICATION

Color Depth	8-bit / 10-bit color is supported.		
Resolution	HDMI	Max Resolution	3840 x 2160 @ 60 Hz
		Recommended Resolution	3440 x 1440 @ 60 Hz
	USB-C / Thunderbolt™ 3 (⚡) / DP	Max Resolution	5120 x 2160 @ 60 Hz
		Recommended Resolution	5120 x 2160 @ 60 Hz
Power Sources	Power Rating	AC 100 ~ 240 V, 50-60 Hz, 2.3 A	
	Power Consumption	Operating Mode: 80 W (Typical)* Off Mode: ≤ 0.3 W	
Environmental Conditions	Operating Conditions	Temperature	0 ℃ to 40 ℃ (32 ℉ to 104 ℉)
		Humidity	Less than 80 %
	Storing Conditions	Temperature	-20 ℃ to 60 ℃ (-4 ℉ to 140 ℉)
		Humidity	Less than 85 %
Dimensions	Monitor Size (Width x Height x Depth)		
	With Stand	816.9 x 559.0 x 234.3 (mm) 32.1 x 22.0 x 9.2 (inches)	
	Without Stand	816.9 x 359.8 x 57.1 (mm) 32.1 x 14.1 x 2.2 (inches)	
Weight (Without Packaging)	With Stand	9.0 kg (19.8 lbs)	
	Without Stand	7.7 kg (16.9 lbs)	

Specifications are subject to change without notice.

The ~ symbol means alternating current, and the ⎓ symbol means direct current.

* The Operating 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.

Factory Support Mode (Preset Mode, PC)

HDMI

Preset Mode	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	60.0	-/-	
1280 x 2160	133.16	59.928	+/+	PBP (5:9)
1920 x 1080	67.50	60	+/+	
2560 x 2160	133.272	59.978	+/+	PBP (5:5)
3440 x 1440	73.68	49.99	+/-	
3440 x 1440	88.82	59.97	+/-	HDMI Preferred timing
3840 x 2160	67.50	30	+/-	
3840 x 2160	135	60	+/+	

USB-C / Thunderbolt™ 3 (⚡) / DP

Preset Mode	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	60.0	-/-	
1280 x 2160	133.16	59.928	+/+	PBP (5:9)
1920 x 1080	67.50	60	+/+	
2560 x 2160	133.272	59.978	+/+	PBP (5:5)
3440 x 1440	73.68	49.99	+/-	
3440 x 1440	88.82	59.97	+/-	
3840 x 2160	65.688	29.981	+/-	
3840 x 2160	133.31	59.997	+/-	
5120 x 2160	65.72	30	+/-	
5120 x 2160	133.32	59.999	+/-	USB-C / Thunderbolt™ 3 (⚡) / DP Preferred timing

HDMI Timing (Video)

Preset Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
480p	31.5	60
720p	45	60
1080p	67.5	60
2160p	135	60

Beep Guide

Menu	Location
Quick Settings	1
Quick Settings - Brightness	11
Quick Settings - Brightness	111 Slider
Quick Settings - Auto Brightness	12 Toggle
Quick Settings - Contrast	13
Quick Settings - Contrast	131 Slider
Quick Settings - Volume	14
Quick Settings - Volume	141 Slider
Input (PBP Off)	2
Input (PBP Off) - Input List	21
Input (PBP Off) - Input List - HDMI 1	211
Input (PBP Off) - Input List - HDMI 2	212
Input (PBP Off) - Input List - DisplayPort	213
Input (PBP Off) - Input List - Thunderbolt	214
Input (PBP Off) - Aspect Ratio	22
Input (PBP Off) - Aspect Ratio - Full Wide	221
Input (PBP Off) - Aspect Ratio - Original	222
Input (PBP Off) - Aspect Ratio - Just Scan	223
Input (PBP Off) - Aspect Ratio - Cinema 1	224
Input (PBP Off) - Aspect Ratio - Cinema 2	225
Input (PBP Off) - PBP	23
Input (PBP Off) - PBP - Off	231
Input (PBP Off) - PBP - PBP(1:1)	232
Input (PBP Off) - PBP - PBP(5:9)	233
Input (PBP Off) - Main/Sub Screen Change	24
Input (PBP Off) - Main/Sub Sound Change	25
Input (PBP On)	2
Input (PBP On) - Input List	21

Menu	Location
Input (PBP On) - Input List - Main Input List	211
Input (PBP On) - Input List - Main Input List - HDMI 1	2111
Input (PBP On) - Input List - Main Input List - HDMI 2	2112
Input (PBP On) - Input List - Main Input List - DisplayPort	2113
Input (PBP On) - Input List - Main Input List - Thunderbolt	2114
Input (PBP On) - Input List - Sub Input List	212
Input (PBP On) - Input List - Sub Input List - HDMI 1	2121
Input (PBP On) - Input List - Sub Input List - HDMI 2	2122
Input (PBP On) - Input List - Sub Input List - DisplayPort	2123
Input (PBP On) - Input List - Sub Input List - Thunderbolt	2124
Input (PBP On) - Aspect Ratio	22
Input (PBP On) - Aspect Ratio - Main Aspect Ratio	221
Input (PBP On) - Aspect Ratio - Main Aspect Ratio - Full Wide	2211
Input (PBP On) - Aspect Ratio - Main Aspect Ratio - Original	2212
Input (PBP On) - Aspect Ratio - Sub Aspect Ratio	222
Input (PBP On) - Aspect Ratio - Sub Aspect Ratio - Full Wide	2221
Input (PBP On) - Aspect Ratio - Sub Aspect Ratio - Original	2222
Input (PBP On) - PBP	23
Input (PBP On) - PBP - Off	231
Input (PBP On) - PBP - Off - HDMI 1	2311
Input (PBP On) - PBP - Off - HDMI 2	2312
Input (PBP On) - PBP - Off - DisplayPort	2313
Input (PBP On) - PBP - Off - Thunderbolt	2314
Input (PBP On) - PBP - On	232
Input (PBP On) - Main/Sub Screen Change - On	24 Yes
Input (PBP On) - Main/Sub Sound Change - On	25 Yes
Picture	3
Picture - Picture Mode	31

Menu	Location
Picture - Picture Mode - Custom	311
Picture - Picture Mode - Vivid	312
Picture - Picture Mode - HDR Effect	313
Picture - Picture Mode - Reader	314
Picture - Picture Mode - Cinema	315
Picture - Picture Mode - sRGB	316
Picture - Picture Mode - DCI-P3	317
Picture - Picture Mode - EBU	318
Picture - Picture Mode - REC709	319
Picture - Picture Mode - SMPTE-C	3110
Picture - Picture Mode - Color Weakness	3111
Picture - Picture Mode - Calibration 1	3112
Picture - Picture Mode - Calibration 2	3113
Picture - Picture Adjust	32
Picture - Picture Adjust - Brightness	321
Picture - Picture Adjust - Brightness	3211 Slider
Picture - Picture Adjust - Auto Brightness	322 Toggle
Picture - Picture Adjust - Contrast	323
Picture - Picture Adjust - Contrast	3231 Slider
Picture - Picture Adjust - Sharpness	324
Picture - Picture Adjust - Sharpness	3241 Slider
Picture - Picture Adjust - SUPER RESOLUTION+	325
Picture - Picture Adjust - SUPER RESOLUTION+ - High	3251
Picture - Picture Adjust - SUPER RESOLUTION+ - Middle	3252
Picture - Picture Adjust - SUPER RESOLUTION+ - Low	3253
Picture - Picture Adjust - SUPER RESOLUTION+ - Off	3254
Picture - Picture Adjust - Black Level	326
Picture - Picture Adjust - Black Level - High	3261
Picture - Picture Adjust - Black Level - Low	3262
Picture - Picture Adjust - DFC	327 Toggle

Menu	Location
Picture - Picture Adjust - Uniformity	3 2 8 Toggle
Picture - Color Adjust	3 3
Picture - Color Adjust - Gamma	3 3 1
Picture - Color Adjust - Gamma - Mode 1	3 3 1 1
Picture - Color Adjust - Gamma - Mode 2	3 3 1 2
Picture - Color Adjust - Gamma - Mode 3	3 3 1 3
Picture - Color Adjust - Gamma - Mode 4	3 3 1 4
Picture - Color Adjust - Color Temp	3 3 2
Picture - Color Adjust - Color Temp - Custom	3 3 2 1
Picture - Color Adjust - Color Temp - 6500K	3 3 2 2
Picture - Color Adjust - Color Temp - 7500K	3 3 2 3
Picture - Color Adjust - Color Temp - 9300K	3 3 2 4
Picture - Color Adjust - Color Temp - Manual	3 3 2
Picture - Color Adjust - Color Temp - Manual	3 3 2 5
Picture - Color Adjust - Color Temp - Manual	3 3 2 5 1 Slider
Picture - Color Adjust - Red	3 3 3
Picture - Color Adjust - Red	3 3 3 1 Slider
Picture - Color Adjust - Green	3 3 4
Picture - Color Adjust - Green	3 3 4 1 Slider
Picture - Color Adjust - Blue	3 3 5
Picture - Color Adjust - Blue	3 3 5 1 Slider
Picture - Color Adjust - Six Color	3 3 6
Picture - Color Adjust - Six Color - Red Hue	3 3 6 1
Picture - Color Adjust - Six Color - Red Hue	3 3 6 1 1 Slider
Picture - Color Adjust - Six Color - Red Saturation	3 3 6 2
Picture - Color Adjust - Six Color - Red Saturation	3 3 6 2 1 Slider
Picture - Color Adjust - Six Color - Green Hue	3 3 6 3
Picture - Color Adjust - Six Color - Green Hue	3 3 6 3 1 Slider
Picture - Color Adjust - Six Color - Green Saturation	3 3 6 4
Picture - Color Adjust - Six Color - Green Saturation	3 3 6 4 1 Slider

Menu	Location
Picture - Color Adjust - Six Color - Blue Hue	3 3 6 5
Picture - Color Adjust - Six Color - Blue Hue	3 3 6 5 1 Slider
Picture - Color Adjust - Six Color - Blue Saturation	3 3 6 6
Picture - Color Adjust - Six Color - Blue Saturation	3 3 6 6 1 Slider
Picture - Color Adjust - Six Color - Cyan Hue	3 3 6 7
Picture - Color Adjust - Six Color - Cyan Hue	3 3 6 7 1 Slider
Picture - Color Adjust - Six Color - Cyan Saturation	3 3 6 8
Picture - Color Adjust - Six Color - Cyan Saturation	3 3 6 8 1 Slider
Picture - Color Adjust - Six Color - Magenta Hue	3 3 6 9
Picture - Color Adjust - Six Color - Magenta Hue	3 3 6 9 1 Slider
Picture - Color Adjust - Six Color - Magenta Saturation	3 3 6 10
Picture - Color Adjust - Six Color - Magenta Saturation	3 3 6 10 1 Slider
Picture - Color Adjust - Six Color - Yellow Hue	3 3 6 11
Picture - Color Adjust - Six Color - Yellow Hue	3 3 6 11 1 Slider
Picture - Color Adjust - Six Color - Yellow Saturation	3 3 6 12
Picture - Color Adjust - Six Color - Yellow Saturation	3 3 6 12 1 Slider
Picture - Response Time	3 3
Picture - Response Time - Faster	3 4 1
Picture - Response Time - Fast	3 4 2
Picture - Response Time - Normal	3 4 3
Picture - Response Time - Off	3 4 4
Picture - Picture Reset - Yes	3 5 1
Picture - Picture Reset - No	3 5 2
General	4
General - Language	4 1
General - Language - English	4 1 1
General - Language - German	4 1 2
General - Language - French	4 1 3

Menu	Location
General - Language - Spanish	4 1 4
General - Language - Italian	4 1 5
General - Language - Swedish	4 1 6
General - Language - Finnish	4 1 7
General - Language - Portuguese	4 1 8
General - Language - Portuguese (Brazil)	4 1 9
General - Language - Polish	4 1 10
General - Language - Russian	4 1 11
General - Language - Greek	4 1 12
General - Language - Ukrainian	4 1 13
General - Language - Chinese	4 1 14
General - Language - Traditional Chinese	4 1 15
General - Language - Japanese	4 1 16
General - Language - Korean	4 1 17
General - SMART ENERGY SAVING	4 2
General - SMART ENERGY SAVING - High	4 2 1
General - SMART ENERGY SAVING - Low	4 2 2
General - SMART ENERGY SAVING - Off	4 2 3
General - Power LED	4 3 Toggle
General - Automatic Standby	4 4
General - Automatic Standby - Off	4 4 1
General - Automatic Standby - 4H	4 4 2
General - Automatic Standby - 6H	4 4 3
General - Automatic Standby - 8H	4 4 4
General - DisplayPort Version	4 5
General - DisplayPort Version - 1.4	4 5 1
General - DisplayPort Version - 1.2	4 5 2
General - DisplayPort Version - 1.1	4 5 3
General - HDMI ULTRA HD Deep Color	4 6 Toggle
General - Local Dimming	4 7

Menu	Location
General - Local Dimming - Off	4 7 1
General - Local Dimming - On	4 7 2
General - Local Dimming - Auto	4 7 3
General - Buzzer	4 8 Toggle
General - OSD Lock	4 9 Toggle
General - USB Upstream	4 10
General - USB Upstream - USB-B	4 10 1
General - USB Upstream - USB-C	4 10 2
General - Information	4 11
General - Information	4 11 1
General - Reset to Initial Settings	4 12
General - Reset to Initial Settings - Yes	4 12 1
General - Reset to Initial Settings - No	4 12 2

LG

Life's Good

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.