



Owner's Manual

# LED LCD MONITOR

(LED Monitor\*)

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\* LG LED Monitor applies LCD screen with LED backlights.

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

28MQ780

28BQ780

[www.lg.com](http://www.lg.com)

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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.
- 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.

**NOTE**

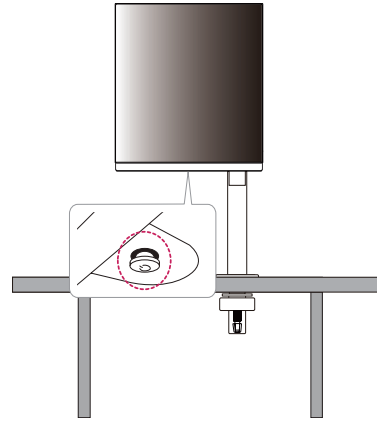
- The components may look different from those illustrated here.
- Without prior notice, all product information and specifications contained in this manual are subject to change to improve the performance of the product.
- To purchase optional accessories, visit an electronics store or an online shopping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

## Supported Software

You can download and install the latest version from the LGE website ([www.lg.com](http://www.lg.com)).

- OnScreen Control/ Dual Controller/ LG Calibration Studio

## Product and Button Description



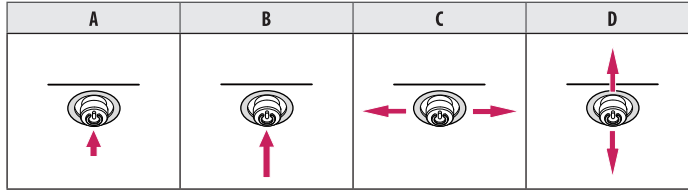
**NOTE**

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

## 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.

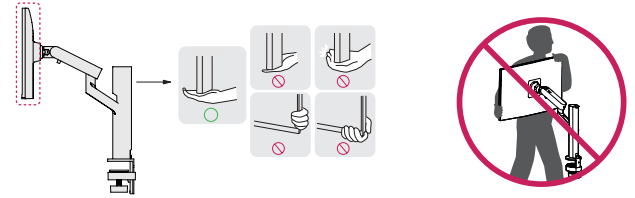
**C (Volume control):** You can control the volume by moving the joystick button left/right.

**D:** Enter the [Accessibility] menu.

## 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.

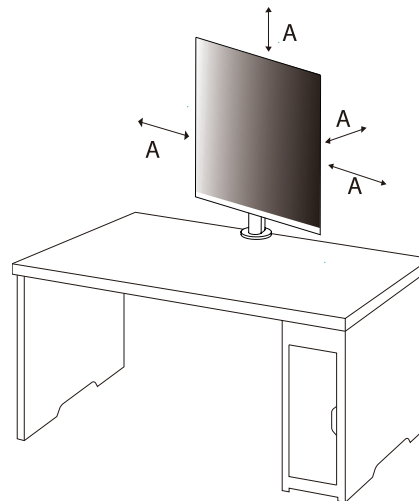


 **CAUTION**

- 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.
- Standing the monitor panel up vertically may cause the monitor to fall due to the joystick and cause damage or 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.



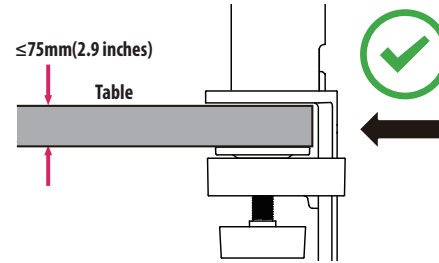
A: 100 mm (3.9 inches)

**⚠ 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.
- Make sure the table on which the product is installed is stable and solid. A table made of fragile materials such as glass may be damaged.
- The monitor may tilt on uneven or slanted tables.
- Installation of the stand may leave a mark on the table.
- Do not hang heavy items such as bags or clothes on the stand.
- Avoid falls by verifying that the table is large enough to support the monitor.
- Make sure to fix the stand firmly on the table.
- When installing the stand on the table, make sure the stand is fully engaged to the table so that you would not hit your head when you get up.
- Do not use excessive force when rotating the monitor. Allowing the monitor to contact a wall may injure persons nearby or damage the monitor.

**How to fix a clamp**

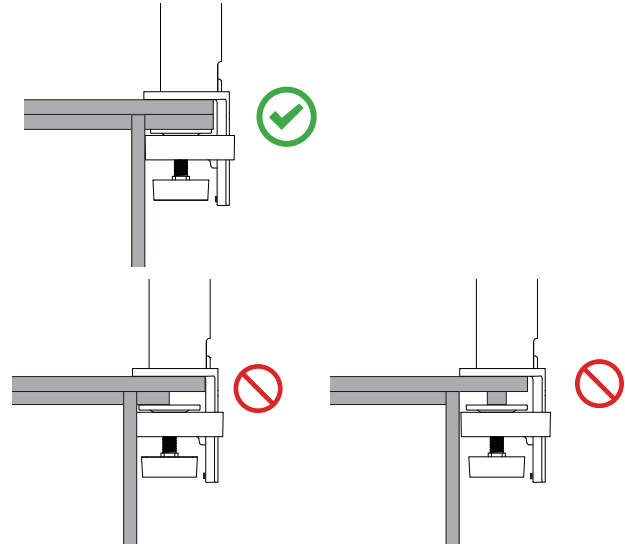
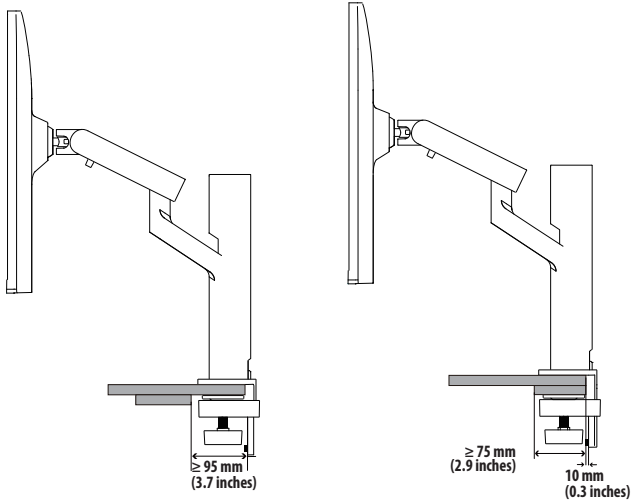
- 1 After positioning the stand on the table, secure it by turning the handle.
- For tables without a protrusion
    - The table should be less than 75mm(2.9 inches) thick.





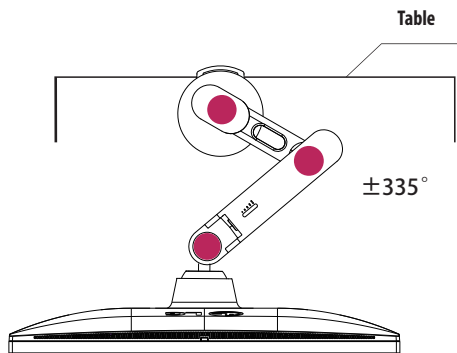
**⚠ CAUTION**

- Stands that are not fully engaged to the table may allow the monitor to wobble or fall over.
- Make sure the table is solid and stable enough to fully support installation of the monitor. Tables made of fragile materials such as glass may break.
- For tables with a protrusion
  - If the protrusion is located more than 95 mm (3.7 inches) away from the edge of the table, install the monitor only when a flat protrusion is located between 10mm (0.3 inches) to 75mm (2.9 inches) from the edge of the table.



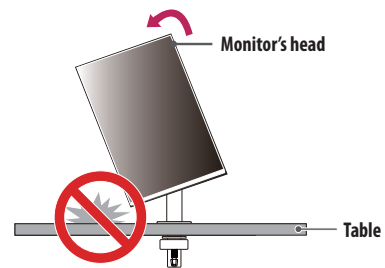
## Swivel stand

Your monitor mount lets you adjust the monitor viewing angle.



## Pivot Feature

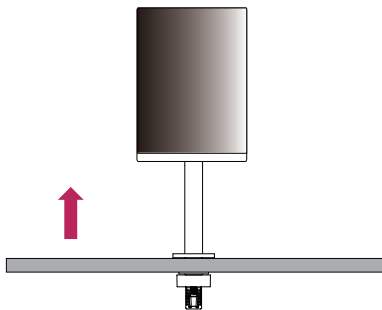
The pivot feature allows the monitor to rotate  $90^\circ$  counter-clockwise.



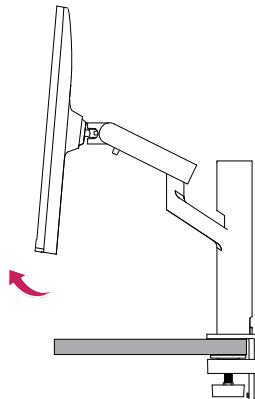
### **WARNING**

- When using the Pivot function, do not rotate the monitor too fast or with excessive force. The table may be scratched by contact with the monitor's head.

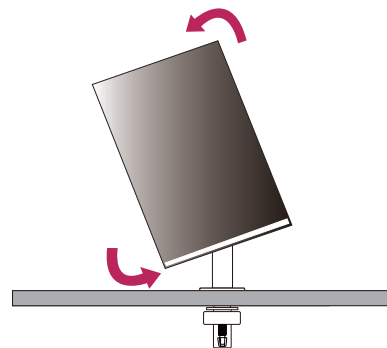
- 1 Raise the monitor up to the maximum height.



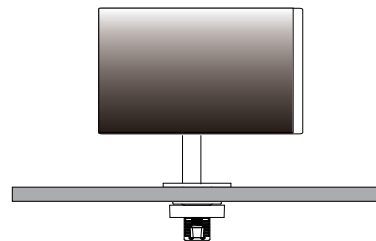
- 2 Adjust the angle of the monitor in the direction of the arrow as shown in the figure.



- 3 Rotate the monitor counter-clockwise as shown in the figure.

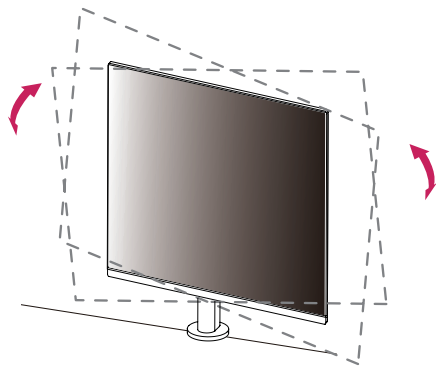


- 4 Complete the installation by rotating the monitor 90° as shown in the figure.



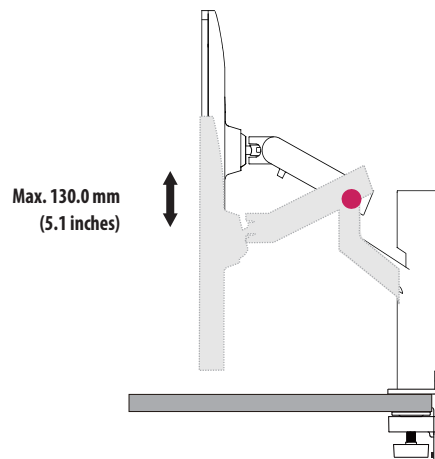
## Leveling the Screen

If the screen appears crooked to one side after the product has been placed in position, straighten the angle horizontally as follows.



## Adjusting the Stand Height

- 1 Make sure to hold and move the monitor with both hands.



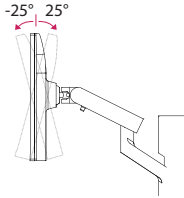
### **WARNING**

- To avoid injury when adjusting the height, do not put your hands on the stand.

## Adjusting the Angle

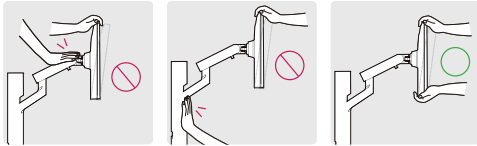
Adjust the angle of the screen.

The angle of the screen can be adjusted forward or backward from  $-25^{\circ}$  to  $25^{\circ}$  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.

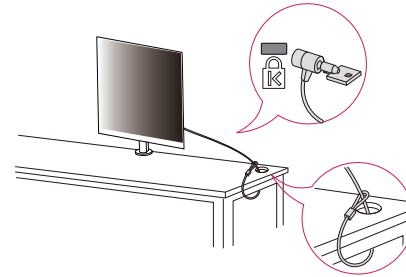


- Beware of cables attached to the monitor when rotating it.

## Using the Kensington Lock

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.

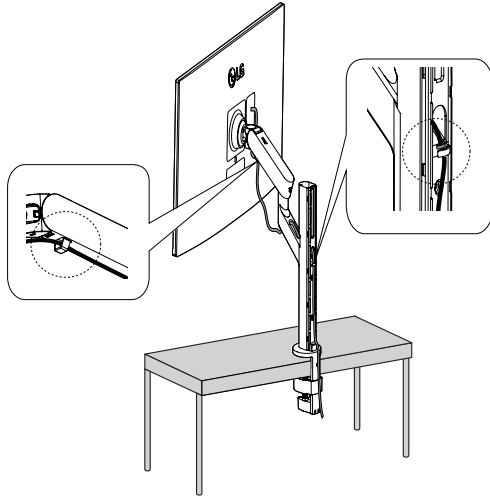


### ! NOTE

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

**⚠ CAUTION**

- Leave enough slack in cable to allow full range of motion.
- To avoid the potential to pinch cables it is important to follow the routing instructions in this manual. Failure to follow these instructions may result in equipment damage or personal injury.

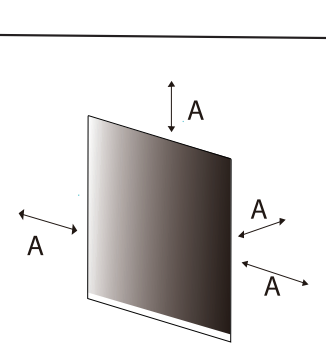
**⚠ WARNING**

- If you do not remove the cable when adjusting the monitor, it may cause damage.
- Before connecting cables, it is recommended to rotate the monitor to an appropriate Angle to avoid wiring difficulties.

**Installing on the Wall**

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

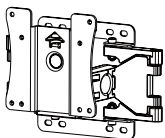
Install the monitor at least 100 mm away from the wall and leave about 100 mm of space at each side of the monitor to ensure sufficient ventilation. Detailed installation instructions can be obtained from your local retail store. Alternatively, please refer to the manual for how to install and set up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



A: 100 mm (3.9 inches)

## Installing the Wall Mount Plate

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.

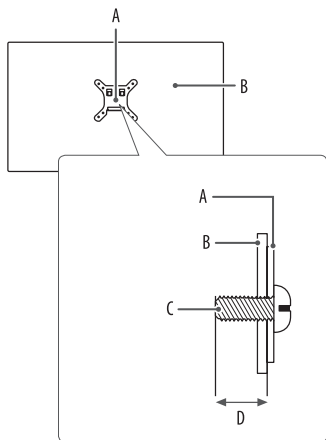
<b>Wall Mount (mm/ inches)</b>	100 x 100 (3.9 x 3.9)
<b>Standard screw</b>	M4 x L10
<b>Number of screws</b>	4
<b>Wall Mount Plate (Optional)</b>	LSW149 

### ! NOTE

- 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. 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.
- 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.

### ! CAUTION

- Unplug the power cord before moving or installing the monitor to avoid electric shock.
- Installing the monitor on the ceiling or on a slanted wall may result in the monitor falling off, which could lead to injury. Use an authorized LG wall mount and contact the local dealer or qualified personnel.
- To prevent injury, this apparatus must be securely attached to the wall in accordance with the installation instructions.
- Applying excessive force when tightening screws may cause damage to the monitor. Damage caused in this way will not be covered by the product warranty.
- Use the wall mounting bracket and screws that conform to VESA standards. Damage caused by the use or misuse of inappropriate components will not be covered by the product warranty.
- When measured from the back of the monitor, the length of each installed screw must be 8 mm (0.3 inches) or less.



- A: Wall Mount Plate  
 B: Back of the Monitor  
 C: Standard screw  
 D: 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

- If you use generic cables not certified by LG, the screen may not display or there may be image noises.
- 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®/TM cable
  - High Speed HDMI®/TM 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)

## Connecting AV Devices

### HDMI Connection

HDMI transmits digital video and audio signals from your AV device 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<sup>®</sup>/TM cable
  - High Speed HDMI<sup>®</sup>/TM 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.

#### CAUTION

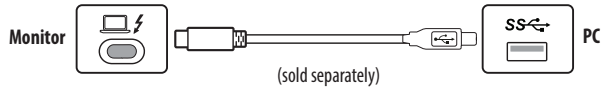
- Cautions when using a USB device.
  - A USB device with an automatic recognition program installed, or that uses its own driver, may not be recognized.
  - Some USB devices may not be supported or may not work properly.
  - It is recommended to use a USB hub or hard disk drive with power supplied.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

## 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.



### 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**.



## 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

## 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.

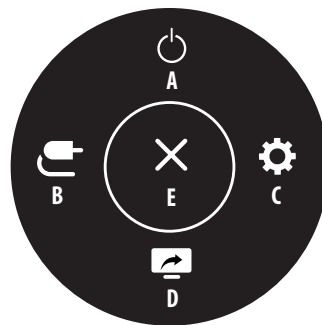
## Activating the Main Menu



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.

## Main Menu Features



Main Menu	Description
A: [Power Off]	Turns off the monitor.
B: [Input]	Sets input mode.
C: [Settings]	Configures the screen settings.
D: [PBP]	Displays the screens of two input modes on one monitor. (Default) You can customize the down (D) of the main menu to access your preferred menu easily. ([Settings] > [General] > [User-defined Key])
E: [Exit]	Exits the main menu.

## 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]



[Sound]



[General]

### ! NOTE

- : On
- : Off

## [Quick Settings]

### [Settings] > [Quick Settings]

- [Brightness]: Adjusts the brightness of the screen.
- [Auto Brightness]: Optimizes the brightness automatically for surrounding illuminance.
- [Contrast]: Adjusts the contrast of the screen.
- [Volume]: Adjusts the volume level.
  - You can adjust [Mute] / [Unmute] by moving the joystick button to ▼ in the [Volume] menu.
- [Color Temp]: Set your own color temperature.
  - [Custom]: The user can customize the red, green and blue color.
  - [Warm]: Sets the screen color to a reddish tone.
  - [Medium]: Sets the screen color to between a red and blue tone.
  - [Cool]: Sets the screen color to a bluish tone.
  - [Manual]: The user can fine-tune the color temperature.
- [PBP]: Displays the screens of two input modes on one monitor.
- [USB Selection]: Select the USB upstream cable connection port to use USB hub of the monitor.

## [Input]

### [Settings] > [Input]

- [Input List]: Selects the input mode.
- [Auto Input Switch]: When [Auto Input Switch] is set to [On], display will automatically switch to new input when connected.
- [Aspect Ratio]: Adjusts the aspect ratio of the screen. The display may look the same for [Full Wide], [Original], and [Just scan] options at the recommended resolution (2560 x 2880).
  - [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.

- [PBP]: Displays the screens of two input modes on one monitor.
  - [Input List]

PBP Connection		Sub Screen (Down)			
		HDMI 1	HDMI 2	DP	USB-C
Main Screen (Up)	HDMI 1	–	○	○	○
	HDMI 2	○	–	○	○
	DP	○	○	–	○
	USB-C	○	○	○	–

- [Aspect Ratio]: Adjusts the aspect ratio of the main/sub screen.



: Displays 1 input only.



: Displays main screen and sub screen half and half.

- [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.

### ! NOTE

- Some features and HDR functions are not supported in PBP mode.

## [Picture]

### [Settings] > [Picture] > [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.
- [FPS]: This mode is optimized for FPS games.
- [RTS]: This mode is optimized for RTS Game.
- [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.

### ! NOTE

- The [Picture Mode] that can be set depends on the Input signal.
- 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.
- HDR content may not display correctly depending on OS settings, please check HDR On/Off settings in Windows or Mac OS.
- 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] > [Picture Adjust]**

- [Brightness]: Adjusts the brightness of the screen.
- [Auto Brightness]: Optimizes the brightness automatically for surrounding illuminance.
- [Contrast]: Adjusts the contrast of the screen.
- [Sharpness]: Adjusts the sharpness of the screen.
- [SUPER RESOLUTION+]: 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.
  - [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.
  - [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+].
- [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.
- [DFC]
  - [On]: Adjusts the brightness automatically according to the screen.
  - [Off]: Disables the [DFC] feature.



**[Settings] > [Picture] > [Game Adjust]**

- [Response Time]: Sets a response time for displayed pictures based on the movement of the picture on the screen. For a normal environment, it is recommended that you use [Fast]. When there is a lot of motion, 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]: Does not use the response time improvement feature.
- [Black Stabilizer]: You can control the black contrast to have better visibility in dark scenes. Increasing the [Black Stabilizer] value brightens the low gray level area on the screen. (You can easily distinguish objects on dark game screens.) Reducing the [Black Stabilizer] value darkens the low gray level area and increases the dynamic contrast on the screen.

**[Settings] > [Picture] > [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 customize the red, green and blue color.
  - [Warm]: Sets the screen color to a reddish tone.
  - [Medium]: Sets the screen color to between a red and blue tone.
  - [Cool]: Sets the screen color to a bluish tone.
  - [Manual]: The user can fine-tune the color temperature.
- [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.

**[Settings] > [Picture] > [Picture Reset]**

- Returns picture and color to the default settings.

**[Sound]****[Settings] > [Sound]**

- [Volume]: Adjusts the volume level.
  - You can adjust [Mute] / [Unmute] by moving the joystick button to ▼ in the [Volume] menu.
- [Waves MaxxAudio®]
  - [On]: MaxxAudio® by waves, recipient of a Technical GRAMMY Award® is a suite of studio-quality sound tools for a superior listening experience.
  - [Off]: Disables the [Waves MaxxAudio®] function.

## [General]

### [Settings] > [General]

- [Language]: Sets the menu screen to the desired language.
- [USB Selection]: Select the USB upstream cable connection port to use USB hub of the monitor.
- [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.
- [Deep Sleep Mode]: When [Deep Sleep Mode] is [On], power consumption is minimized while the monitor is in standby mode.
  - [On]: Enables [Deep Sleep Mode].
  - [Off]: Disables [Deep Sleep Mode].
- [Power LED]: When the [Power LED] function is turned on, it operates as follows:
  - On mode: Light up
  - Sleep Mode (Standby Mode): Blinking
  - Off mode: Off
- [Automatic Standby]: If there is no operation on the monitor for a certain period of time, the monitor will automatically switch to standby mode.
- [Input Compatibility Version] : Set Input Compatibility Version to the same version as the connected external device.
  - In case of DisplayPort and USB-C set to 1.4 or over to use the HDR function.
  - In case of HDMI input, set to 2.0 or over to use the HDR function.
- [Buzzer]: This feature lets you set the sound generated from Buzzer when your monitor powers on.
- [User-defined Key]: You can customise the main menu to access your preferred menu easily.
  - [PBP]: Displays the screens of two input modes on one monitor.
  - [Picture Mode]: Sets the picture mode.
  - [KVM Switch]: Select the USB upstream cable connection port to use USB hub of the monitor.
- [OSD Lock] : This feature disables the configuration and adjustment of menus. All features are disabled except [Brightness], [Auto Brightness], [Contrast] and [Volume] on [Quick Settings], menus of on [Input], and [OSD Lock] and [Information] of [General].
- [Information] : The following display information will be shown; [Total Power On Time], [Resolution].
- [Reset to Initial Settings] : Returns to the default settings.

## ! NOTE

- [SMART ENERGY SAVING]
  - 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.

# 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]).
- 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.
- Is the power LED blinking?
  - If the monitor is in sleep mode, move the mouse, or press any key on the keyboard, to switch the display on.
  - Check if the computer is turned on.
- 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.

**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.

**The screen retains an image.**

- Does image sticking occur even when the monitor is turned off?
  - Displaying a still image for a prolonged time may cause damage to the screen, resulting in the retention of the image.
  - To extend the lifetime of the monitor, use a screensaver.
- Are there spots on the screen?
  - When using the monitor, pixilated spots (red, green, blue, white, or black) may appear on the screen. This is normal for an LCD screen. It is not an error, nor is it related to the monitor's performance.

**Some features are disabled.**

- Are some functions not available when you press the Menu button?
  - The OSD is locked. Disable [OSD Lock] in [General].
  - Check the PC settings and input signal. (HDR, No Signal)

**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.)

**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: <https://www.lg.com>.
  - Make sure to check if the graphics card supports Plug and Play function.

# PRODUCT SPECIFICATION

Specifications are subject to change without notice.

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

## Color Depth:

- 8-bit/ 10-bit color is supported.

## Resolution

- 2560 x 2880 @ 60 Hz  
(HDMI / DP / USB-C)

## 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
  - 481.5 x 843.2 x 461.3 (mm)
  - 18.9 x 33.1 x 18.1 (inches)
- Without Stand
  - 481.5 x 549.5 x 44.9 (mm)
  - 18.9 x 21.6 x 1.7 (inches)

## Weight (Without Packaging)

- With Stand: 9 kg (19.8 lbs)
- Without Stand: 4.3 kg (9.4 lbs)

## Power Sources

- Power Rating: 19.5 V — 10.0 A
- Power Consumption
  - Operating Mode: 40 W (Typical)\*
  - Sleep Mode(Standby Mode): ≤ 0.5 W
  - Off Mode: ≤ 0.3 W

## AC/DC Adapter

- Model: ACC-LATP1 type /  
ACC-LATP2 type  
Manufacturer: Shenzhen Honor Electronic Co.,Ltd.
  - Input: 100-240 V ~50/60 Hz 2.5 A/3.0 A
  - Output: 19.5 V — 10.8 A

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

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

## Support Mode

(Preset Mode, DisplayPort / USB-C)

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	-/-	
1920 x 1080	66.587	59.934	+/-	
2560 x 1440	88.79	59.95	+/-	PBP mode
2560 x 2880	177.67	59.98	+/-	

**(Preset Mode, HDMI)**

<b>Resolution</b>	<b>Horizontal Frequency (kHz)</b>	<b>Vertical Frequency (Hz)</b>	<b>Polarity (H/V)</b>	<b>Remarks</b>
640 x 480	31.469	59.94	-/-	
800 x 600	37.879	60.317	+/+	
1024 x 768	48.363	60	-/-	
1920 x 1080	66.587	59.934	+/-	
2560 x 1440	88.79	59.95	+/-	PBP mode
2560 x 2880	87.59	29.99	+/-	
2560 x 2880	185.42	59.97	+/-	HDMI 2.0

## HDMI Timing (Video)

Resolution	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	1 1
Quick Settings - Brightness	1 1 1 Slider
Quick Settings - Auto Brightness	1 2 Toggle
Quick Settings - Contrast	1 3
Quick Settings - Contrast	1 3 1 Slider
Quick Settings - Volume	1 4
Quick Settings - Volume	1 4 1 Slider
Quick Settings - Color Temp	1 5
Quick Settings - Color Temp - Custom	1 5 1
Quick Settings - Color Temp - Warm	1 5 2
Quick Settings - Color Temp - Medium	1 5 3
Quick Settings - Color Temp - Cool	1 5 4
Quick Settings - Color Temp - Manual	1 5 5
Quick Settings - Color Temp - Manual	1 5 5 1 Slider
Input (PBP Off)	2
Input (PBP Off) - Input List	2 1
Input (PBP Off) - Input List - HDMI 1	2 1 1
Input (PBP Off) - Input List - HDMI 2	2 1 2
Input (PBP Off) - Input List - DisplayPort	2 1 3
Input (PBP Off) - Input List - Thunderbolt	2 1 4
Input (PBP Off) - Auto Input Switch	2 2 Toggle
Input (PBP Off) - Aspect Ratio	2 3
Input (PBP Off) - Aspect Ratio - Full Wide	2 3 1
Input (PBP Off) - Aspect Ratio - Original	2 3 2
Input (PBP Off) - Aspect Ratio - Just Scan	2 3 3
Input (PBP Off) - Aspect Ratio - Cinema 1	2 3 4
Input (PBP Off) - Aspect Ratio - Cinema 2	2 3 5

Menu	Location
Input (PBP Off) - PBP	2 4
Input (PBP Off) - PBP - Off	2 4 1
Input (PBP Off) - PBP - PBP(1:1)	2 4 2
Input (PBP Off) - PBP - PBP(5:9)	2 4 3
Input (PBP Off) - Main/Sub Screen Change	2 5
Input (PBP Off) - Main/Sub Sound Change	2 6
Input (PBP On)	2
Input (PBP On) - Input List	2 1
Input (PBP On) - Input List - Main Input List	2 1 1
Input (PBP On) - Input List - Main Input List - HDMI 1	2 1 1 1
Input (PBP On) - Input List - Main Input List - HDMI 2	2 1 1 2
Input (PBP On) - Input List - Main Input List - DisplayPort	2 1 1 3
Input (PBP On) - Input List - Main Input List - Thunderbolt	2 1 1 4
Input (PBP On) - Input List - Sub Input List	2 1 2
Input (PBP On) - Input List - Sub Input List - HDMI 1	2 1 2 1
Input (PBP On) - Input List - Sub Input List - HDMI 2	2 1 2 2
Input (PBP On) - Input List - Sub Input List - DisplayPort	2 1 2 3
Input (PBP On) - Input List - Sub Input List - Thunderbolt	2 1 2 4
Input (PBP On) - Auto Input Switch	2 2
Input (PBP On) - Aspect Ratio	2 3
Input (PBP On) - Aspect Ratio - Main Aspect Ratio	2 3 1
Input (PBP On) - Aspect Ratio - Main Aspect Ratio - Full Wide	2 3 1 1
Input (PBP On) - Aspect Ratio - Main Aspect Ratio - Original	2 3 1 2
Input (PBP On) - Aspect Ratio - Sub Aspect Ratio	2 3 2
Input (PBP On) - Aspect Ratio - Sub Aspect Ratio - Full Wide	2 3 2 1
Input (PBP On) - Aspect Ratio - Sub Aspect Ratio - Original	2 3 2 2
Input (PBP On) - PBP	2 4
Input (PBP On) - PBP - Off	2 4 1
Input (PBP On) - PBP - Off - HDMI 1	2 4 1 1

Menu	Location
Input (PBP On) - PBP - Off - HDMI 2	2 4 1 2
Input (PBP On) - PBP - Off - DisplayPort	2 4 1 3
Input (PBP On) - PBP - Off - Thunderbolt	2 4 1 4
Input (PBP On) - PBP - On	2 4 2
Input (PBP On) - Main/Sub Screen Change - On	2 5 Yes
Input (PBP On) - Main/Sub Sound Change - On	2 6 Yes
Picture	3
Picture - Picture Mode	3 1
Picture - Picture Mode - Custom	3 1 1
Picture - Picture Mode - Vivid	3 1 2
Picture - Picture Mode - HDR Effect	3 1 3
Picture - Picture Mode - Reader	3 1 4
Picture - Picture Mode - Cinema	3 1 5
Picture - Picture Mode - sRGB	3 1 6
Picture - Picture Mode - DCI-P3	3 1 7
Picture - Picture Mode - FPS	3 1 8
Picture - Picture Mode - RTS	3 1 9
Picture - Picture Mode - Calibration 1	3 1 10
Picture - Picture Mode - Calibration 2	3 1 11
Picture - Picture Adjust	3 2
Picture - Picture Adjust - Brightness	3 2
Picture - Picture Adjust - Brightness	3 2 1 1 Slider
Picture - Picture Adjust - Auto Brightness	3 2 2 Toggle
Picture - Picture Adjust - Contrast	3 2 3
Picture - Picture Adjust - Contrast	3 2 3 1 Slider
Picture - Picture Adjust - Sharpness	3 2 4
Picture - Picture Adjust - Sharpness	3 2 4 1 Slider
Picture - Picture Adjust - SUPER RESOLUTION+	3 2 5
Picture - Picture Adjust - SUPER RESOLUTION+ - High	3 2 5 1
Picture - Picture Adjust - SUPER RESOLUTION+ - Middle	3 2 5 2

Menu	Location
Picture - Picture Adjust - SUPER RESOLUTION+ - Low	3 2 5 3
Picture - Picture Adjust - SUPER RESOLUTION+ - Off	3 2 5 4
Picture - Picture Adjust - Black Level	3 2 6
Picture - Picture Adjust - Black Level - High	3 2 6 1
Picture - Picture Adjust - Black Level - Low	3 2 6 2
Picture - Picture Adjust - Variable Backlight	3 2 7
Picture - Picture Adjust - Variable Backlight - Faster	3 2 7 1
Picture - Picture Adjust - Variable Backlight - Fast	3 2 7 2
Picture - Picture Adjust - Variable Backlight - Normal	3 2 7 3
Picture - Picture Adjust - Variable Backlight - Off	3 2 7 4
Picture - Picture Adjust - DFC	3 2 8 Toggle
Picture - Game Adjust - Response Time	3 3 1
Picture - Game Adjust - Response Time - Faster	3 3 1 1
Picture - Game Adjust - Response Time - Fast	3 3 1 2
Picture - Game Adjust - Response Time - Normal	3 3 1 3
Picture - Game Adjust - Response Time - Off	3 3 1 4
Picture - Game Adjust - FreeSync	3 3 2 Toggle
Picture - Game Adjust - Black Stabilizer	3 3 3
Picture - Game Adjust - Black Stabilizer	3 3 3 1 Slider
Picture - Color Adjust	3 4
Picture - Color Adjust - Gamma	3 4 1
Picture - Color Adjust - Gamma - Mode 1	3 4 1 1
Picture - Color Adjust - Gamma - Mode 2	3 4 1 2
Picture - Color Adjust - Gamma - Mode 3	3 4 1 3
Picture - Color Adjust - Gamma - Mode 4	3 4 1 4
Picture - Color Adjust - Color Temp	3 4 2
Picture - Color Adjust - Color Temp - Custom	3 4 2 1
Picture - Color Adjust - Color Temp - Warm	3 4 2 2
Picture - Color Adjust - Color Temp - Medium	3 4 2 3
Picture - Color Adjust - Color Temp - Cool	3 4 2 4

Menu	Location
Picture - Color Adjust - Color Temp - Manual	3 4 2 5
Picture - Color Adjust - Color Temp - Manual	3 4 2 5 1 Slider
Picture - Color Adjust - Red	3 4 3
Picture - Color Adjust - Red	3 4 3 1 Slider
Picture - Color Adjust - Green	3 4 4
Picture - Color Adjust - Green	3 4 4 1 Slider
Picture - Color Adjust - Blue	3 4 5
Picture - Color Adjust - Blue	3 4 5 1 Slider
Picture - Color Adjust - Six Color	3 4 6
Picture - Color Adjust - Six Color - Red Hue	3 4 6 1
Picture - Color Adjust - Six Color - Red Hue	3 4 6 1 1 Slider
Picture - Color Adjust - Six Color - Red Saturation	3 4 6 2
Picture - Color Adjust - Six Color - Red Saturation	3 4 6 2 1 Slider
Picture - Color Adjust - Six Color - Green Hue	3 4 6 3
Picture - Color Adjust - Six Color - Green Hue	3 4 6 3 1 Slider
Picture - Color Adjust - Six Color - Green Saturation	3 4 6 4
Picture - Color Adjust - Six Color - Green Saturation	3 4 6 4 1 Slider
Picture - Color Adjust - Six Color - Blue Hue	3 4 6 5
Picture - Color Adjust - Six Color - Blue Hue	3 4 6 5 1 Slider
Picture - Color Adjust - Six Color - Blue Saturation	3 4 6 6
Picture - Color Adjust - Six Color - Blue Saturation	3 4 6 6 1 Slider
Picture - Color Adjust - Six Color - Cyan Hue	3 4 6 7
Picture - Color Adjust - Six Color - Cyan Hue	3 4 6 7 1 Slider
Picture - Color Adjust - Six Color - Cyan Saturation	3 4 6 8
Picture - Color Adjust - Six Color - Cyan Saturation	3 4 6 8 1 Slider
Picture - Color Adjust - Six Color - Magenta Hue	3 4 6 9
Picture - Color Adjust - Six Color - Magenta Hue	3 4 6 9 1 Slider
Picture - Color Adjust - Six Color - Magenta Saturation	3 4 6 10
Picture - Color Adjust - Six Color - Magenta Saturation	3 4 6 10 1 Slider

Menu	Location
Picture - Color Adjust - Six Color - Yellow Hue	3 4 6 11
Picture - Color Adjust - Six Color - Yellow Hue	3 4 6 11 1 Slider
Picture - Color Adjust - Six Color - Yellow Saturation	3 4 6 12
Picture - Color Adjust - Six Color - Yellow Saturation	3 4 6 12 1 Slider
Picture - Picture Reset	3 5
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
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

<b>Menu</b>	<b>Location</b>
General - SMART ENERGY SAVING - Off	4 2 3
General - Deep Sleep Mode	4 3 Toggle
General - Power LED	4 4 Toggle
General - Automatic Standby	4 5
General - Automatic Standby - 8H	4 5 1
General - Automatic Standby - 6H	4 5 2
General - Automatic Standby - 4H	4 5 3
General - Automatic Standby - Off	4 5 4
General - DisplayPort Version	4 6
General - DisplayPort Version - 1.4	4 6 1
General - DisplayPort Version - 1.2	4 6 2
General - Thunderbolt OUT	4 7 Toggle
General - HDMI ULTRA HD Deep Color	4 8 Toggle
General - Buzzer	4 9 Toggle
General - OSD Lock	4 10 Toggle
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



Supplier's Declaration of Conformity

Trade Name	LG
Responsible Party	LG Electronics USA, Inc.
Address	111 Sylvan Avenue, North Building, 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

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Serial No.

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This Product qualifies for ENERGY STAR®

Changing the factory default configuration and settings or enabling certain optional features and functionalities may increase energy consumption beyond the limits required for ENERGY STAR® certification.

Refer to [ENERGYSTAR.gov](http://ENERGYSTAR.gov) for more information on the ENERGY STAR® program.