



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.

38WR85QC

38BR85QC

www.lg.com

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LICENSE

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LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com. This offer is valid 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.

NOTE

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

Supported Drivers and Software

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

Drivers and Software	Installation Priority
Monitor Driver	Recommended
LG Switch	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 3 seconds with your finger to turn off the monitor.
		Volume control	You can control the volume by moving the joystick button left/right.

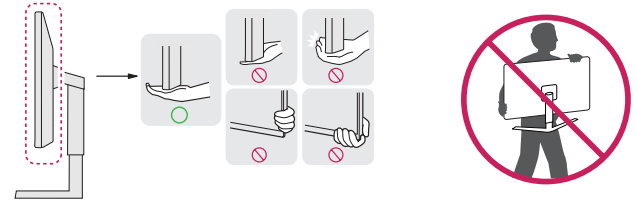
NOTE

- 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.

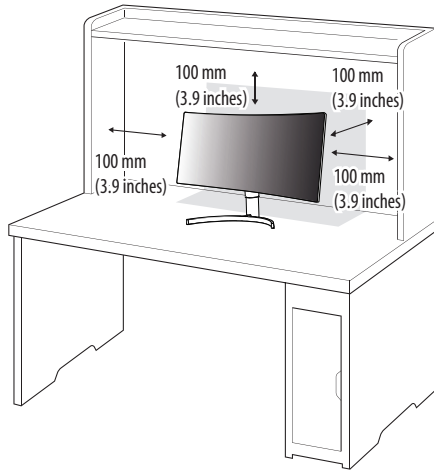


CAUTION

- 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.

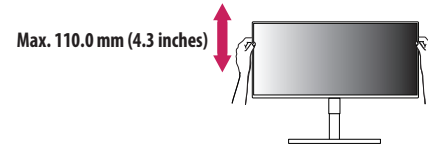


CAUTION

- 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.



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.

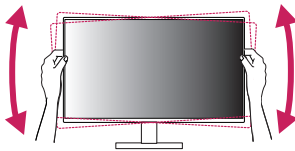
⚠ WARNING

- 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.

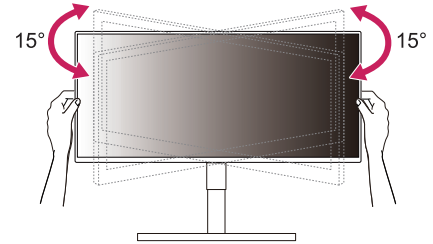


⚠ NOTE

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



⚠ NOTE



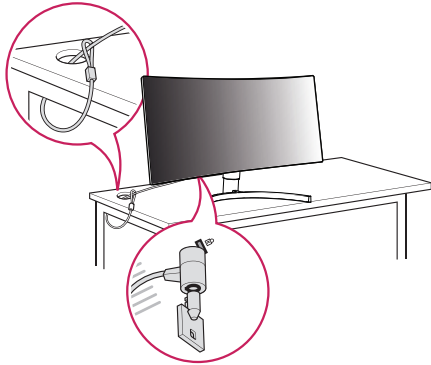
Swivel (clockwise 15°)
Swivel (counter clockwise 15°)

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

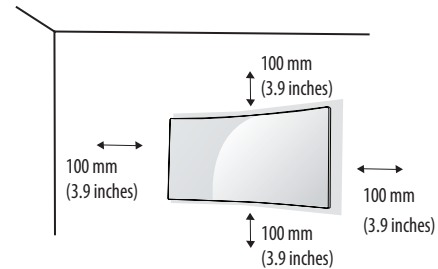
This monitor meets the specifications for the wall mount plate or other compatible devices.

! 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.

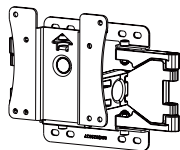
Installing on the Wall

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.



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)	LSW149

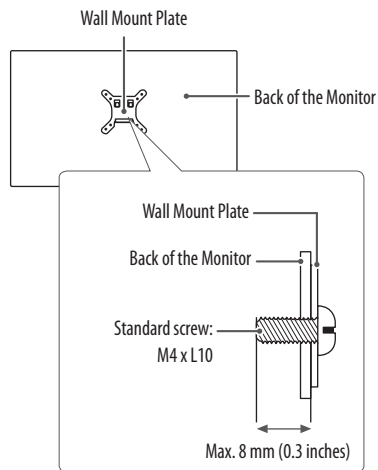


NOTE

- 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.



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.
- 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 DisplayPort 1.2 or 1.4. (Sold separately)

USB-C connection

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

NOTE

- PD (Power Delivery) and DP Alternate Mode (DP over USB-C) are supported via USB-C Port.
- Features may not work properly depending on the connected device's specifications and the environment.
- USB-C port is not for the monitor power source but for a PC power source. Connect adapter to supply power to the monitor.

Connecting LAN

LAN connection

Connect the router or switch to the monitor.

NOTE

- The LAN cable is sold separately.
- The following LAN cable type can be used: Standard: IEEE 802.3 ETHERNET
- Connect the LAN cable and the peripheral devices to use the monitor.
 - In order to use Ethernet in the PC, the USB-C cable must be connected to the PC.
- The monitor and PC must be connected with a USB-C cable or USB-B cable to use wired LAN.

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.

⚠ 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: Type-C Input

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

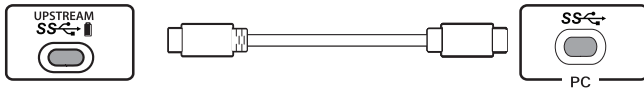
[Use USB-C cable]

Connect the USB C-C cable to the upstream port of the monitor and the host PC,

To use USB 2.0 : OSD > General > USB-C Option > High Resolution

To use USB 3.0 : OSD > General > USB-C Option > High Data Speed,

However Host PC must support USB 3.0 function.



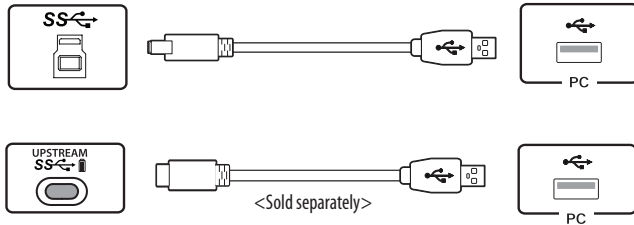
Case 2: HDMI/DP (DisplayPort) Input

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

[Use USB B-A or USB C-A cable]

To Use USB 3.0, connect the USB C-C cable to the upstream port of the monitor and the host PC.

However, Host PC must support USB 3.0 function.



Connecting Headphones

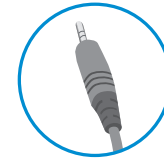
Connect peripherals to the monitor via the headphones port.

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.

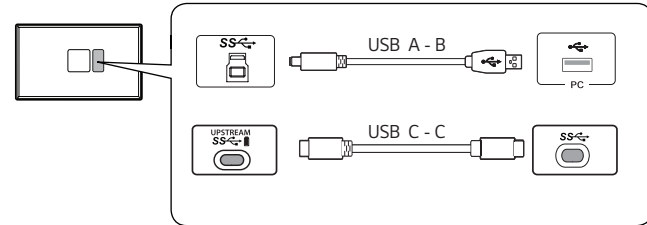


Angled



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 or USB C to C cable to use a microphone function with headphones equipped with a microphone.

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.

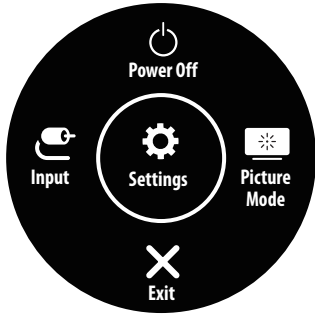
Activating the Main Menu



- 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
	<input type="radio"/>	Main menu 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.)
	<input type="radio"/>	Main menu disabled	Adjusts the monitor volume level.
		Main menu enabled	Enters the Input feature.
	<input type="radio"/>	Main menu disabled	Adjusts the monitor volume level.
		Main menu enabled	Enters the Picture Mode feature.
	<input type="radio"/>	Main menu disabled	Adjusts the monitor brightness level.
		Main menu enabled	Turns off the monitor.
	<input type="radio"/>	Main menu disabled	Adjusts the monitor brightness level.
		Main menu enabled	Exits the main menu.

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.

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	Description	
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.	
	<p>! NOTE</p> <ul style="list-style-type: none"> 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 adjust it to red, green, or blue by customization.
	Warm	Sets the screen color to a reddish tone.
	Medium	Sets the screen color to between a red and blue tone.
	Cool	Sets the screen color to a bluish tone.
	Manual	The user can fine-tune the color temperature.
PBP/PIP	You can select the various PBP or PIP combination.	
USB Selection	Select the USB upstream cable connection port to use USB hub of the monitor.	

Input

Settings > Input	Description					
Input List	Selects the input mode.					
Auto Input Switch	When automatic input switch is set to On , display will automatically switch to new input when connected.					
	On	Enables Auto Input Switch .				
	Off	Disables Auto Input Switch .				
Aspect Ratio	Adjusts the aspect ratio of the screen.					
	Full Wide	Displays the video in widescreen, regardless of the video signal input.				
	16:9	Displays the video in 16:9.				
	4:3	Displays the video in 4:3.				
PBP / PIP	You can select the various PBP or PIP combination.					
	PBP / PIP Connection		Sub Screen			
			HDMI 1	HDMI 2	DP	USB-C
	Main Screen	HDMI 1	-	0	0	0
		HDMI 2	0	-	0	0
		DP	0	0	-	0
USB-C		0	0	0	-	
PIP Size	Sets the size of the PIP Sub window. (Small / Large)					
PIP Position	Sets the position of the PIP Sub window. (Bottom Right / Bottom Left / Top Left / Top Right)					
Main/Sub Screen Change	Toggles between the main screen and sub screen in PBP / PIP mode.					
Main/Sub Sound Change	Toggles between the audio of the main screen and sub screen in PBP / PIP mode.					

Picture

! 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. The color mode of the main menu can be adjusted.
	Vivid	Optimizes the screen for the retail environment by enhancing the contrast, brightness, and sharpness.
	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 colour 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.
	Calibration 1	Adjusts to the calibrated screen.
	Calibration 2	
<p>! NOTE</p> <ul style="list-style-type: none"> 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 1/Calibration 2 : Please install LG Calibration Studio to run calibration. 		

[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.
	Cinema	Optimized the screen for HDR video.
	FPS	This mode is optimized for FPS games.It is suitable for very dark FPS games.
	RTS	This mode is optimized for RTS Game.
	<p>! NOTE</p> <ul style="list-style-type: none"> • HDR content may not display correctly depending on Windows 10/ macOS 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 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+	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+ .
		<p>! NOTE</p> <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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.
	Local Dimming	Maximizes the contrast ratio by making the bright areas of the screen brighter and the dark areas of the screen darker. Turning this option off may increase energy consumption.	
		Faster	Sets the local dimming to faster.
		Fast	Sets the local dimming to fast.
Normal		Sets the local dimming to normal.	
DFC		Adjusts the brightness automatically according to the screen.	
Off	Does not use the local dimming improvement feature.		

Settings > Picture	Description		
Game Adjust	Response Time	<p>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. Once Faster Mode is selected, Motion Blur may occur depending on the content.</p>	
		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.
	Adaptive-Sync / VRR	<p>Provides seamless and natural images by synchronizing the vertical frequency of the input signal with that of the output signal.</p> <p> CAUTION</p> <ul style="list-style-type: none"> Supported Interface: DisplayPort / USB-C (Adaptive-Sync), HDMI (Variable Refresh Rate). Supported Graphic Card: A graphic card that supports NVIDIA's G-SYNC or AMD's FreeSync is necessary. Supported Version: Make sure to update the graphic card to the latest driver. For more information and requirement, refer to NVIDIA website (www.nvidia.com) and AMD website (www.amd.com). 	
		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	<p>You can control the black contrast to have better visibility in dark scenes. You can easily distinguish objects on dark game screens.</p>	
	Crosshair	<p>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.</p>	



Settings > Picture		Description	
Game Adjust	FPS Counter	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)
		Off	Does not use the FPS Counter feature.
		 NOTE <ul style="list-style-type: none"> • FPS Counter and Crosshair feature can not be used at the same time. 	
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.
		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.	
Picture Reset	Do you want to reset your picture settings?	No	Cancel the select.
		Yes	Returns to the default settings.

Sound

Settings > Sound	Description	
Volume	Adjusts the volume level.  NOTE <ul style="list-style-type: none">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 MaxxAudio function.

General

Settings > General	Description	
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.	
USB Switch	Switch the USB device connected to the monitor to another input source.	
USB-C Option	Set the USB-C settings to be optimized for screen resolution or USB data rate.	
	High Resolution	Set display resolution as priority.
	High Date Speed	Set data speed as priority.
	<p>! NOTE</p> <ul style="list-style-type: none"> High Date Speed setting supports USB 3.0 data. When connecting with legacy devices, the resolution may be lowered. 	
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.
	<p>! NOTE</p> <ul style="list-style-type: none"> The value of energy saving data may differ depending on panel and panel suppliers. If you select the option of SMART ENERGY SAVING is High or Low, monitor luminance become lower or higher depend on source. 	
Deep Sleep Mode	When Deep Sleep Mode is enabled, power consumption is minimized while the monitor is in standby mode.	
	On	Enables Deep Sleep Mode .
	Off	Disables Deep Sleep Mode .
	<p>! NOTE</p> <ul style="list-style-type: none"> USB HUB functions will not work in standby mode while Deep Sleep Mode is enabled in standby mode. 	

Settings > General	Description	
Power LED	Turns the power LED on the bottom of the monitor on or off.  NOTE <ul style="list-style-type: none"> • When the Power LED function is turned on, it operates as follows: <ul style="list-style-type: none"> - On Mode: White - Sleep Mode (Standby Mode): Flashing White - 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. (8 H, 6 H, 4 H, and Off)	
Input Compatibility Version	Please set the Input 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 Version to 2.1(PC) or 2.1(AV).
Buzzer	This feature lets you set the sound generated from Buzzer when your monitor powers on.	
	On	Enables your monitor's Buzzer .
	Off	Disables your monitor's Buzzer .
User-defined Key 1	You can customise the main menu to access your preferred menu easily.	
User-defined Key 2	User-defined Key 1 and User-defined Key 2 appear at the left/right of the main menu.	
OSD Lock	This feature disables the configuration and adjustment of menus.	
	On	Enables OSD Lock .
	Off	Disables OSD Lock .
	 NOTE <ul style="list-style-type: none"> • All features are disabled except Brightness, Auto Brightness, Contrast, Volume in Quick Settings, Input List, Auto Input Switch, Aspect Ratio, PBP/PIP, OSD Lock and Information. 	

Settings > General	Description		
Information	The following display information will be shown; 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?	<ul style="list-style-type: none"> • Check if the power cord is correctly plugged into the power outlet.
Is the power LED on?	<ul style="list-style-type: none"> • Check the power cable connection and press the power button.
Is the power on and the power LED displaying white?	<ul style="list-style-type: none"> • Check that the connected input is enabled (Settings > Input).
Does the No Signal message appear or is the screen not displayed?	<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> - HDMI Input: Set HDMI Compatibility Mode 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?	<ul style="list-style-type: none"> • 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?	<ul style="list-style-type: none"> • 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?	<ul style="list-style-type: none"> • 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?	<ul style="list-style-type: none"> • 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?	<ul style="list-style-type: none"> • The OSD is locked. Disable OSD Lock in General.

Do you see an "Unrecognized monitor, Plug and Play (VESA DDC) monitor found" message?

Have you installed the display driver?

- Be sure to install the display driver from the display driver CD (or diskette) that comes with your display. Or, you can also download the driver from our 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.)

PRODUCT SPECIFICATION

Color Depth	8-bit / 10-bit color is supported.		
Resolution	HDMI	Max Resolution	3840 x 1600 @ 144 Hz
		Recommended Resolution	3840 x 1600 @ 144 Hz
	USB-C / DP	Max Resolution	3840 x 1600 @ 144 Hz
		Recommended Resolution	3840 x 1600 @ 144 Hz
Power Sources	Power Rating	100 - 240 V ~ 50/60 Hz 2.5 A	
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	896.4 x 593.9 x 306.8 (mm)	35.2 x 23.3 x 12.0 (inches)
	Without Stand	896.4 x 394.4 x 110.1 (mm)	35.2 x 15.5 x 4.3 (inches)
Weight (Without Packaging)	With Stand	10.5 kg	23.1 lbs
	Without Stand	8.0 kg	17.6 lbs

The specifications are subject to change without notice.

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

The power consumption level can be different by operating condition and monitor setting.

** In case of USB-C input, the power consumption of Sleep Mode may vary depending on the connected device.

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

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	-/-	
1280 x 720	44.444	59.979	+/-	PIP(Large)
1280 x 1024	79.976	75.025	+/+	
1920 x 1080	67.5	60	+/+	
720 x 480	29.83	59.779	+/-	PIP(Small)
3840 x 1600	48.688	29.998	+/-	HDMI 1.4
1920 x 1600	98.678	59.95	+/-	PBP
3840 x 1600	98.75	59.994	+/-	HDMI 2.1 (AV)
2560 x 1440	182.996	119.998	+/-	
3840 x 1600	167.86	100.036	+/-	
3840 x 1600	203.353	120.043	+/-	
3840 x 1600	246.902	144.05	+/-	HDMI 2.1 (PC)

DP / USB-C

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	-/-	
1280 x 720	44.444	59.979	+/-	PIP(Large)
1280 x 1024	79.976	75.025	+/+	
1920 x 1080	67.5	60	+/+	
720 x 480	29.83	59.779	+/-	PIP(Small)
3840 x 1600	48.688	29.998	+/-	
1920 x 1600	98.678	59.95	+/-	PBP
3840 x 1600	98.75	59.994	+/-	
3840 x 1600	124.313	74.977	+/-	
3840 x 1600	167.86	100.036	+/-	Display port 1.2
3840 x 1600	203.353	120.043	+/-	
3840 x 1600	246.902	144.05	+/-	Display port 1.4 /1.4(DSC)

HDMI Timing (Video)

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

Beep Guide

Menu	Location
Quick Settings	1
Quick Settings - Brightness	11
Quick Settings - Brightness	1 1 1 Slider
Quick Settings - Auto Brightness	1 2 Toggle
Quick Settings - Contrast	13
Quick Settings - Contrast	1 3 1 Slider
Quick Settings - Volume	14
Quick Settings - Volume	1 4 1 Slider
Quick Settings - Color Temp	15
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
Quick Settings - PBP/PIP	16
Quick Settings - PBP/PIP - Off	1 6 1
Quick Settings - PBP/PIP - PBP	1 6 2
Quick Settings - PBP/PIP - PIP	1 6 3
Quick Settings - USB Selection	17
Quick Settings - USB Selection - HDMI1 - USB-B	1 7 1 1
Quick Settings - USB Selection - HDMI1 - USB-C	1 7 1 2

Menu	Location
Quick Settings - USB Selection - HDMI2 - USB-B	1 7 2 1
Quick Settings - USB Selection - HDMI2 - USB-C	1 7 2 2
Quick Settings - USB Selection - DisplayPort - USB-B	1 7 3 1
Quick Settings - USB Selection - DisplayPort - USB-C	1 7 3 2
Quick Settings - USB Selection - USB-C - USB-B	1 7 4 1
Quick Settings - USB Selection - USB-C - USB-C	1 7 4 2
Input	2
Input - Input List	2 1
Input - Input List - HDMI1	2 1 1
Input - Input List - HDMI2	2 1 2
Input - Input List - DisplayPort	2 1 3
Input - Input List - USB-C	2 1 4
Input - Auto Input Switch	2 2 Toggle
Input - Aspect Ratio	2 3
Input - Aspect Ratio - Full Wide	2 3 1
Input - Aspect Ratio - 16 : 9	2 3 2
Input - Aspect Ratio - 4 : 3	2 3 3
Input - PBP/PIP	2 4
Input - PBP/PIP - Off	2 4 1
Input - PBP/PIP - PBP	2 4 2
Input - PBP/PIP - PIP	2 4 3
Input - PIP Size	2 5

Menu	Location
Input - PIP Size - Small	2 5 1
Input - PIP Size - Large	2 5 2
Input - PIP Position	2 6
Input - PIP Position - Bottom Right	2 6 1
Input - PIP Position - Bottom Left	2 6 2
Input - PIP Position - Top Left	2 6 3
Input - PIP Position - Top Right	2 6 4
Input - Main/Sub Screen Change	2 7
Input - Main/Sub Screen Change - OK	2 7 1
Input - Main/Sub Sound Change	2 8
Input - Main/Sub Sound Change - OK	2 8 1
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

Menu	Location
Picture - Picture Mode - Color Weakness	3 1 10
Picture - Picture Mode - Calibration1	3 1 11
Picture - Picture Mode - Calibration2	3 1 12
Picture - Picture Adjust	3 2
Picture - Picture Adjust - Brightness	3 2 1
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
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 - Local Dimming - Faster	3 2 7 1
Picture - Picture Adjust - Local Dimming - Fast	3 2 7 2
Picture - Picture Adjust - Local Dimming - Normal	3 2 7 3

Menu	Location
Picture - Picture Adjust - Local Dimming - Off	3 2 7 4
Picture - Picture Adjust - DFC	3 2 8 Toggle
Picture - Game Adjust	3 3
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 - Adaptive-Sync (HDMI : VRR)	3 3 2
Picture - Game Adjust - Adaptive-Sync (HDMI : VRR) - Extended	3 3 2 1
Picture - Game Adjust - Adaptive-Sync (HDMI : VRR) - Basic	3 3 2 2
Picture - Game Adjust - Adaptive-Sync (HDMI : VRR) - Off	3 3 2 3
Picture - Game Adjust - Black Stabilizer	3 3 3
Picture - Game Adjust - Black Stabilizer	3 3 3 1 Slider
Picture - Game Adjust - Crosshair	3 3 4
Picture - Game Adjust - Crosshair - Red Cross	3 3 4 1
Picture - Game Adjust - Crosshair - Green Cross	3 3 4 2
Picture - Game Adjust - Crosshair - Red Dot	3 3 4 3
Picture - Game Adjust - Crosshair - Green Dot	3 3 4 4
Picture - Game Adjust - Crosshair - Off	3 3 4 5
Picture - Game Adjust - FPS Counter	3 3 5

Menu	Location
Picture - Game Adjust - FPS Counter - On	3 3 5 1
Picture - Game Adjust - FPS Counter - Off	3 3 5 2
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
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

Menu	Location
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
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

Menu	Location
Picture - Color Adjust - Six Color - Yellow_Saturation	3 4 6 12 1 Slider
Picture - Picture Reset	3 5
Picture - Picture Reset - No	3 5 1
Picture - Picture Reset - Yes	3 5 2
Sound	4
Sound - Volume	4 1
Sound - Volume	4 1 1 Slider
Sound - Waves MaxxAudio	4 2 Toggle
General	5
General - Language	5 1
General - Language - English	5 1 1
General - Language - German	5 1 2
General - Language - French	5 1 3
General - Language - Spanish	5 1 4
General - Language - Italian	5 1 5
General - Language - Swedish	5 1 6
General - Language - Finnish	5 1 7
General - Language - Portuguese	5 1 8
General - Language - Portuguese (Brazil)	5 1 9
General - Language - Polish	5 1 10
General - Language - Russian	5 1 11
General - Language - Turkish	5 1 12
General - Language - Ukrainian	5 1 13

Menu	Location
General - Language - Chinese	5 1 14
General - Language - Traditional Chinese	5 1 15
General - Language - Japanese	5 1 16
General - Language - Korean	5 1 17
General - USB Selection	5 2
General - USB Selection - HDMI1 - USB-B	5 2 1 1
General - USB Selection - HDMI1 - USB-C	5 2 1 2
General - USB Selection - HDMI2 - USB-B	5 2 2 1
General - USB Selection - HDMI2 - USB-C	5 2 2 2
General - USB Selection - DisplayPort - USB-B	5 2 3 1
General - USB Selection - DisplayPort - USB-C	5 2 3 2
General - USB Selection - USB-C - USB-B	5 2 4 1
General - USB Selection - USB-C - USB-C	5 2 4 2
General - USB Switch	5 3
General - USB Switch - USB-B	5 3 1
General - USB Switch - USB-C	5 3 2
General - USB-C Option	5 4
General - USB-C Option - High Resolution	5 4 1
General - USB-C Option - High Data Speed	5 4 2
General - SMART ENERGY SAVING	5 5
General - SMART ENERGY SAVING - High	5 5 1
General - SMART ENERGY SAVING - Low	5 5 2
General - SMART ENERGY SAVING - Off	5 5 3

Menu	Location
General - Deep Sleep Mode	5 6 Toggle
General - Power LED	5 7 Toggle
General - Automatic Standby	5 8
General - Automatic Standby - 8H	5 8 1
General - Automatic Standby - 6H	5 8 2
General - Automatic Standby - 4H	5 8 3
General - Automatic Standby - Off	5 8 4
General - Input Compatibility Version	5 9
General - Input Compatibility Version - 1.4(DSC) / 2.1(PC)	5 9 1
General - Input Compatibility Version - 1.4 / 2.1(AV)	5 9 2
General - Input Compatibility Version - 1.2 / 1.4	5 9 3
General - Buzzer	5 10 Toggle
General - User-defined Key 1	5 11
General - User-defined Key 1 - PBP/PIP	5 11 1
General - User-defined Key 1 - Picture Mode	5 11 2
General - User-defined Key 1 - USB Switch	5 11 3
General - User-defined Key 1 - Input	5 11 4
General - User-defined Key 2	5 12
General - User-defined Key 2 - PBP/PIP	5 12 1
General - User-defined Key 2 - Picture Mode	5 12 2
General - User-defined Key 2 - USB Switch	5 12 3
General - User-defined Key 2 - Input	5 12 4
General - OSD Lock	5 13 Toggle

Menu	Location
General - Information	5 14
General - Information	5 14 1
General - Reset to Initial Setting	5 15
General - Reset to Initial Setting - No	5 15 1
General - Reset to Initial Setting - Yes	5 15 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

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

Model _____

Serial No. _____



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 for more information on the ENERGY STAR® program.