

# OWNER'S MANUAL **LED 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.

29WQ600 29WQ60A 34BQ650

34WQ650 34WQ60A

34WQ65X 29BQ650

www.lg.com

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# LICENSE

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34W0650

VESA, VESA logo, DisplayPort compliance logo and DisplayPort compliance logo for dual-mode source devices are all registered trademarks of the Video Electronics Standards Association.

## **ASSEMBLING AND PREPARING**

#### **<u>A</u>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 to use the supplied components.
- If you use generic cables not certified by LG, the screen may not display or there may be image problems.
- Illustrations in this document represent typical procedures, so they may look different from the actual product.
- Do not apply foreign substances (oils, lubricants, etc.) to the screw parts when assembling the product. (Doing so may damage the product.)
- Applying excessive force when tightening screws may cause damage to the monitor. Damage caused in this
  way will not be covered by the product warranty.
- Do not carry the monitor upside down by just holding the base. This may cause the monitor to fall off the stand and could result in personal injury.
- When lifting or moving the monitor, do not touch the monitor screen. The force applied to the monitor screen may cause damage to it.
- For wave pattern on appearance, unlike the general method of coating, it's applied to added glittering material in raw material. With no peeled-off appearance, it has good durability. Please use it with confidence because there is no problem in using the product at all.

#### NOTE

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

## **Supported Drivers and Software**

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

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

### **Product and Button Description**

#### How to Use the Joystick Button

You can easily control the functions of the monitor by pressing the joystick button or moving it left/right/up/ down with your finger.

#### **Basic Functions**

	Ċ	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.
	<b>◄/</b> ►	Volume control	You can control the volume by moving the joystick button left/right.

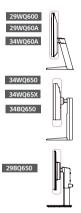
#### NOTE

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

## 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.





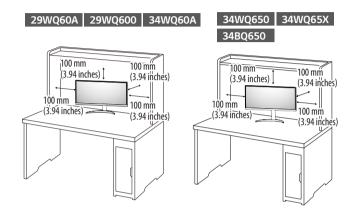
#### **AUTION**

• Avoid touching the monitor screen as much as possible.

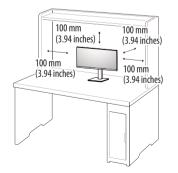
- This may result in damage to the screen or some of the pixels used to create images.
- If you use the monitor panel without the stand base, its joystick button may cause the monitor to become
  unstable and fall, resulting in damage to the monitor or human injury. In addition, this may cause the joystick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

#### Installing on a Table

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



#### 29BQ650

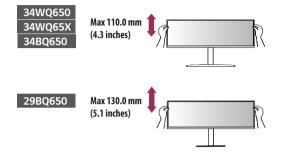


#### AUTION

- Unplug the power cord before moving or installing the monitor. There is risk of electric shock.
- Make sure to use the power cord that is provided in the product package and connect it to a grounded power outlet.
- If you need another power cord, please contact your local dealer or the nearest retail store.

#### **Adjusting the Stand Height**

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



#### **WARNING**

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

#### Adjusting the Angle

- 1 Place the monitor mounted on the stand base in an upright position.
- 2 Adjust the angle of the screen.

#### 29WQ600 29WQ60A 34WQ60A

The angle of the screen can be adjusted forward or backward from -5° to 15° for a comfortable viewing experience.

#### 34WQ650 34WQ65X 34BQ650

The angle of the screen can be adjusted forward or backward from -5° to 20° for a comfortable viewing experience.

#### 29BQ650

The angle of the screen can be adjusted forward or backward from  $-5^{\circ}$  to  $35^{\circ}$  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.

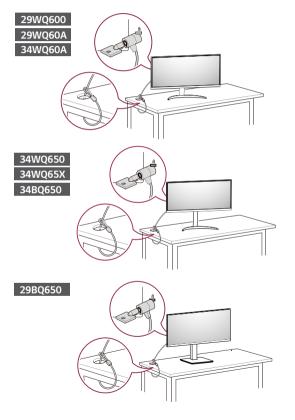


#### Using the Kensington Lock

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**

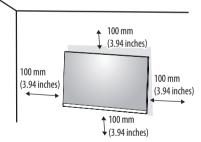
This monitor meets the specifications for the wall mount plate or other compatible devices.

#### 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 (3.94 inches) away from the wall and leave about 100 mm (3.94 inches) of space at each side of the monitor to ensure sufficient ventilation. Detailed installation instructions can be obtained from your local retail store. Alternatively, please refer to the manual for how to install and set up a tilting wall mounting bracket.



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

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

#### 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.

#### AUTION

- 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  $\longrightarrow$  Input, and then select the input option.

#### 

ENGLISH

- 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.

### 

- 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>/<sup>™</sup> cable
- High-Speed HDMI  $^{\circ}/^{\rm TM}$  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.
- 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)

#### **USB-C** connection

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

#### NOTE

- 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. Connect Adapter to supply power to the Monitor

# ENGLISH

Analed

#### **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.

Straight (Recommend)

**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°/<sup>™</sup> cable
  - High-Speed  $\text{HDMI}^\circ/^{\text{TM}}$  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.

### AUTION

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.)

## **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**

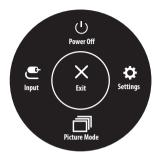


Press the joystick button on the bottom of the monitor. Move the joystick up/down and left/right to set the options.

Press the joystick button once more to exit the main menu.

Button	Menu Status		Description
	Main menu disabled		Enables the main menu.
Main menu enabled		nu enabled	Exits the main menu. (Holding down the button more than 3 seconds to turn off the monitor. You can turn off the monitor this way at any time, including when the OSD is on.)
		Main menu disabled	Adjusts the monitor volume level.
	Main menu enabled		Enters the Input features.
<b>NO</b>	Main menu disabled Main menu enabled		Adjusts the monitor volume level.
			Enters the Settings feature.
		Main menu disabled	Enters the Accessibility menu.
	Main menu enabled		Turns off the monitor.
	Main menu disabled           Main menu enabled		Enters the Accessibility menu.
			Enters the Picture Mode feature.

#### **Main Menu Features**



Main Menu	Description				
Input	iets input mode.				
Power Off	ırns 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 (心) it.
- 4 If you want to exit the OSD menu, move the joystick to

Input







Picture





Quick Settings

Sound

General

#### Quick Settings

Settings > Quick Settings	Description				
Brightness	A				
Contrast	Adjusts the contrast and bright	ness of the screen.			
Volume	Adjusts the volume level.				
	<b>NOTE</b>				
	• You can adjust Mute / Unmute by moving the joystick button to ▼ in the Volume menu.				
Color Temp	Custom	The user can adjust it to red, green, or blue by customization.			
	Warm	Sets the screen color to a reddish tone.			
	Medium Sets the screen color 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.			
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	ff     Disables the MaxxAudio function.			

#### Input

Settings > Input	Description			
Input List	Selects the input mode.			
Aspect Ratio	Adjusts the aspect ratio of the screen.			
	Full Wide	Displays the video in widescreen, regardless of the video signal input.		
	Original	Displays video according to the aspect ratio of the video signal input.		
	Cinema 1	Enlarges the screen with an aspect ratio of 21:9.		
	Cinema 2	Enlarges the screen with an aspect ratio of 21:9, including the black box at the bottom for subtitles.		
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.		

#### Picture

#### NOTE

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

Settings > Picture		Description SDR signal						
Picture Mode Custom		Allows the user to adjust each element.	0	0				
	Vivid	Heightens contrast, brightness and sharpness to display vivid images.	0	0				
	HDR Effect	Optimizes the screen for high dynamic range.	0	Х				
	Reader	Optimizes the screen for reading documents. You can brighten the screen in the OSD menu.	0	Х				
Cinema FPS		Optimizes the screen to improve the visual effects of a video.	0	0				
		This mode is optimized for FPS games.	0	0				
	RTS	This mode is optimized for RTS Game.	0	0				
	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.	0	Х				
	<b>NOTE</b>							
	• If the Picture Mode is	• If the Picture Mode is changed, the screen may flicker or the resolution of your PC screen may be affected.						

Settings > Picture		Description		
Picture Adjust	Brightness	Adjusts the color contrast and brightness of the screen.		
	Contrast	Adjusts the color contra	ist and brightness of the screen.	
	Sharpness	Adjusts the sharpness of	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+.		
			ction to increase the sharpness of low resolution pictures, it is not recommended to use the function for normal text or for desktop icons. in unnecessarily high sharpness.	
	Black Level	Sets the offset level (fo • Offset: as a reference	r HDMI only). 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	Description			
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.	
	FreeSync	Provides seamless and natural images by synchronizing the vertical frequency of the input signal with that of the output signal. (AUTION • Supported Interface: DisplayPort, HDMI		
			ard: A graphic card that supports AMD's FreeSync is necessary.	
			lake sure to update the graphic card to the latest driver.	
		For more information	and requirement, refer to AMD website at http://www.amd.com/FreeSync.	
		On	FreeSync function on.	
		Off	FreeSync function off.	
	Black Stabilizer		ck 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	Description		
Game Adjust	1ms Motion Blur Reduction	On Off NOTE	This mode minimizes motion blur in fast-moving videos.
		<ul> <li>To reduce motion blu</li> <li>1ms Motion Blur Red</li> <li>This function is game</li> <li>It is recommended to</li> </ul>	rr, brightness is reduced with backlight control. luction and FreeSync feature can not used at the same time. e-optimized. o turn off when you are not using the gaming function. ring 1ms Motion Blur Reduction operation.
	Crosshair	among four different Cr	rk on the center of the screen for First Person Shooter (FPS) games. Users can select the Crosshair that fits their gaming environment rosshairs. off or enters energy saving mode, the Crosshair feature is automatically turned Off.

Settings > Picture				Description
Color Adjust	Gamma	Mode 1, Mode 2, Mode 3	The higher the gamm	na 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 tem	iperature.	
		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	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 pict	ture settings?	Yes	Returns to the default settings.
			No Cancel the select.	

Settings > Sound	Description		
Volume	To adjust the Volume of headphone or speaker.		
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 d	Sets the menu screen to the desired language.		
SMART ENERGY SAVING	Conserve energy by using lum	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.		
	5, 5	data may differ depending on panel and panel suppliers. MART ENERGY SAVING is High or Low, monitor luminance become lower or higher depend on source.		
Power LED	On	The power LED turns on.		
	Off The power LED turns off.			
Automatic Standby	Feature that automatically tu	rns 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. (8H, 6H, 4H and Off)		
DisplayPort Version	Set DisplayPort Version to the To use the HDR function, set to	same version as the connected external device. (1.4, 1.2, and 1.1) o 1.4.		
Buzzer	This feature lets you set the so	ound generated from Buzzer when your monitor powers on.		
	On	Enables your monitor's Buzzer.		
	Off	Disables your monitor's Buzzer.		
OSD Lock	This feature disables the confi	guration and adjustment of menus.		
	On	Enables OSD Lock.		
	Off	Disables OSD Lock.		
	NOTE     All features are disabled exercised.	cept Brightness, Contrast, Volume, Input, OSD Lock, Information.		

Settings > General		Description			
Deep Sleep Mode	When Deep Sleep Mode is On,	On, power consumption is minimized while the monitor is in standby mode.			
	On	Enables Deep Sleep Mo	Enables Deep Sleep Mode.		
	Off	Disables Deep Sleep Mode.			
Information	The following display informat	ion will be shown; Total Power On Time, Resolution.			
Reset to Initial Settings	Do you want to reset your	Yes	Returns to the default settings.		
	settings?	No	Cancel the reset.		

## 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 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	e monitor leave shadow trails.		
Did you select the appropriate resolution?	<ul> <li>If the selected resolution is HDMI 1080i 60/50 Hz (interlaced), the screen may be flickering. Change the resolution to 1080p or the recommended resolution.</li> </ul>		
	<ul> <li>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.</li> </ul>		
	<ul> <li>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.</li> </ul>		
Does image sticking occur even when the monitor is turned off?	<ul> <li>Displaying a still image for a prolonged time may cause damage to the screen, resulting in the retention of the image.</li> <li>To extend the lifetime of the monitor, use a screensaver.</li> </ul>		
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.		

Do you see an "Unrecognized monitor, Plug and Play (	nitor, Plug and Play (VESA DDC) monitor found" message?		
Have you installed the display driver?	<ul> <li>Be sure to install the display driver from our web site: http://www.lg.com.</li> <li>Make sure to check if the graphics card supports Plug and Play function.</li> </ul>		
No sound from the headphone port.	headphone port.		
Are images displayed without sound?	<ul> <li>Make sure that the headphone port connections are made properly.</li> <li>Try increasing the volume with the joystick.</li> <li>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.)</li> </ul>		

## **PRODUCT SPECIFICATION**

#### 29WQ600

Color Depth	8-bit / 10-bit color is supported.				
Resolution	Max Resolution	2560 x 1080 @ 100 Hz	2560 x 1080 @ 100 Hz		
	Recommended Resolution	2560 x 1080 @ 60 Hz			
Power Sources	Power Rating	19 V <del></del> 1.6 A			
	Power Consumption (Typical)	On mode: 13 W Typ. (ENERGY STAR* standard)* Sleep Mode (Standby Mode) $\leq$ 0.3 W ** Off Mode $\leq$ 0.3 W			
AC/DC Adapter	Off Mode ≤ 0.3 W         ADS-455Q-19-3 19032E, manufactured by SHENZHEN HONOR ELECTRONIC         Or ADS-45FSQ-19 19032EPG-1, manufactured by SHENZHEN HONOR ELECTRONIC         Or ADS-45FSQ-19 19032EPK-1, manufactured by SHENZHEN HONOR ELECTRONIC         Or ADS-45FSQ-19 19032EPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC         Or ADS-45FSQ-19 19032EPR-1, manufactured by SHENZHEN HONOR ELECTRONIC         Or ADS-45FSQ-19 19032EPR-1, manufactured by SHENZHEN HONOR ELECTRONIC         Or ADS-45FSQ-19 19032EPR-1, manufactured by SHENZHEN HONOR ELECTRONIC         Or ADS-45FSQ-19 19032EPI-1, manufactured by SHENZHEN HONOR ELECTRONIC         Or ADS-45FSQ.19 19032EPI-1, manufactured by SHENZHEN HONOR ELECTRONIC         Or AD10550LF, manufactured by PI Electronics (H.K.) Ltd.         Or AD2138520, manufactured by PI Electronics (H.K.) Ltd.         Or AD2138620, manufactured by PI Electronics (H.K.) Ltd.				
Environmental Conditions	Operating Conditions	ions 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 688.5 x 406.		27.1 x 16.0 x 8.8 (inches)	
	Without Stand	688.5 x 313.4 x 45.3 (mm)	27.1 x 12.3 x 1.7 (inches)	
Weight (Without Packaging)	With Stand	4.5 (kg)	9.9 (lbs)	
	Without Stand	4.0 (kg)	8.8 (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.

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

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

## **PRODUCT SPECIFICATION**

34WQ650 34WQ65X	34BQ650					
Color Depth	8-bit / 10-bit color is supported.					
Resolution         Max Resolution         2560 x 1080 @ 100 Hz						
	Recommended Resolution	2560 x 1080 @ 60 Hz				
Power Sources	Power Rating	19 V 2.4 A				
	Power Consumption (Typical)	On mode: 19 W Typ. (ENERGY STAR* standard)* Sleep Mode (Standby Mode) $\leq$ 0.3 W ** Off Mode $\leq$ 0.3 W				
AC/DC Adapter	DA-48F19, manufactured by Asian Power Devices Inc. Or ADS-48FSK-19 19048EPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC Or ADS-48FSK-19 19048EPK-1, manufactured by SHENZHEN HONOR ELECTRONIC Or ADS-48FSK-19 19048EPG-1, manufactured by SHENZHEN HONOR ELECTRONIC Or MS-22530R190-048M0-E, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-DE, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-KR, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Output: 19 V = = = 2.53 A					
Environmental Conditions	Operating Conditions	Temperature Humidity	0 °C to 40 °C (32 °F to 104 °F) Less than 80 %			
	Storing Conditions	rs 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 816.5 x 568.3 x 260.0 (mm)		32.1 x 22.3 x 10.2 (inches)	
	Without Stand	816.5 x 365.3 x 45.5 (mm)	32.1 x 14.3 x 1.7 (inches)	
Weight (Without Packaging)	With Stand	7.9 (kg)	17.4 (lbs)	
	Without Stand	6.0 (kg)	13.2 (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.

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

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

## **PRODUCT SPECIFICATION**

#### 29WQ60A

Color Depth	8-bit / 10-bit color is supported.				
Resolution	Max Resolution	2560 x 1080 @ 100 Hz	2560 x 1080 @ 100 Hz		
	Recommended Resolution	2560 x 1080 @ 60 Hz			
Power Sources	Power Rating	19 V <del></del> 1.6 A			
	Power Consumption (Typical)	On mode: 22 W Typ. (Outgoing condition)* Sleep Mode (Standby Mode) $\leq$ 0.3 W ** Off Mode $\leq$ 0.3 W			
AC/DC Adapter	Off Mode ≤ 0.3 W         ADS-455Q-19-3 19032E, manufactured by SHENZHEN HONOR ELECTRONIC         Or ADS-45FSQ-19 19032EPG-1, manufactured by SHENZHEN HONOR ELECTRONIC         Or ADS-45FSQ-19 19032EPK-1, manufactured by SHENZHEN HONOR ELECTRONIC         Or ADS-45FSQ-19 19032EPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC         Or ADS-45FSQ-19 19032EPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC         Or ADS-45FSQ-19 19032EPBR-1, manufactured by SHENZHEN HONOR ELECTRONIC         Or ADS-45FSQ-19 19032EPI-1, manufactured by SHENZHEN HONOR ELECTRONIC         Or ADIO550LF, manufactured by PI Electronics (H.K.) Ltd.         Or AD2138520, manufactured by PI Electronics (H.K.) Ltd.         Or AD2138620, manufactured by PI Electronics (H.K.) Ltd.				
Environmental Conditions	Operating Conditions	perating 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 688.5 x 406.		27.1 x 16.0 x 8.8 (inches)	
	Without Stand	688.5 x 313.4 x 45.3 (mm)	27.1 x 12.3 x 1.7 (inches)	
Weight (Without Packaging)	With Stand	4.5 (kg)	9.9 (lbs)	
	Without Stand	4.0 (kg)	8.8 (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.

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

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

## **PRODUCT SPECIFICATION**

#### 34WQ60A

Color Depth	8-bit / 10-bit color is supported.				
Resolution	Max Resolution	2560 x 1080 @ 100 Hz	2560 x 1080 @ 100 Hz		
	Recommended Resolution	2560 x 1080 @ 60 Hz			
Power Sources	Power Rating	19 V 2.4 A			
	Power Consumption	On mode: 35 W Typ. (Outgoing condition)*			
	(Typical)	Sleep Mode (Standby Mode) $\leq$ 0.3 W ** Off Mode $\leq$ 0.3 W			
AC/DC Adapter	DA-48F19, manufactured by Asian Power Devices Inc. Or ADS-48F5K-19 19048EPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC Or ADS-48F5K-19 19048EPK-1, manufactured by SHENZHEN HONOR ELECTRONIC Or ADS-48F5K-19 19048EPG-1, manufactured by SHENZHEN HONOR ELECTRONIC Or MS-22530R190-048M0-E, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-DE, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-KR, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD Or MS-V2530R190-048L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY C0 LTD				
Environmental Conditions	Operating Conditions         Temperature         0 °C to 40 °C (32 °F to 104 °F)				
		Humidity Less than 80 %			
	Storing Conditions         Temperature         -20 °C to 60 °C (-4 °F to 140 °F)				
		Humidity	Less than 85 %		

Dimensions	Monitor Size (Width x Height x Depth)			
	With Stand         816.5 x 483.5 x 223.3 (mm)         32.1 x 19.0 x 8.7 (inches)			
	Without Stand         816.5 x 365.3 x 45.5 (mm)         32.1 x 14.3 x 1		32.1 x 14.3 x 1.7 (inches)	
Weight (Without Packaging)	With Stand	7.9 (kg)	17.4 (lbs)	
	Without Stand	6.0 (kg)	13.2 (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.

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

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

## **PRODUCT SPECIFICATION**

#### 29BQ650

Color Depth	8-bit / 10-bit color is supported.			
Resolution	Max Resolution	2560 x 1080 @ 100 Hz		
	Recommended Resolution	2560 x 1080 @ 60 Hz		
Power Sources	Power Rating	19 V <del></del> 1.6 A		
	Power Consumption (Typical)	On mode: 13 W Typ. (ENERGY STAR <sup>®</sup> standard)* Sleep Mode (Standby Mode) ≤ 0.3 W ** Off Mode ≤ 0.3 W		
AC/DC Adapter	Or ADS-45FSQ-19 19032EPG-1, manuf Or ADS-45FSQ-19 19032EPK-1, manuf Or ADS-45FSQ-19 19032EPK-1, manu Or ADS-45FSQ-19 19032EPBR-1, manu	D32E, manufactured by SHENZHEN HONOR ELECTRONIC 9032EPG-1, manufactured by SHENZHEN HONOR ELECTRONIC 9032EPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC 9032EPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC 9032EPBR-1, manufactured by SHENZHEN HONOR ELECTRONIC 9032EP1-1, manufactured by SHENZHEN HONOR ELECTRONIC uufactured by PI Electronics (H.K.) Ltd. nufactured by PI Electronics (H.K.) Ltd. nufactured by PI Electronics (H.K.) Ltd.		
Environmental Conditions	Operating Conditions	Temperature Humidity	0 °C to 40 °C (32 °F to 104 °F) 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         688.1 x 491.1 x 249.5 (mm)         27.0 x 19.3 x 9.8 (inches)			
Without Stand		688.1 x 313.2 x 47 (mm)	27.0 x 12.3 x 1.8 (inches)	
Weight (Without Packaging)	With Stand	6.2 (kg)	13.6 (lbs)	
	Without Stand	4.1 (kg)	9.0 (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.

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

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

## Factory Support Mode (Preset Mode, PC)

DisplayPort / HDMI / 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	67.5	60	+/-	
2560 x 1080	66.636	59.98	-/+	
2560 x 1080	83.915	74.99	-/+	
2560 x 1080	113.3	100.0	+/-	
2560 x 1440	88.79	59.95	+/-	HDMI only

## HDMI Timing (Video)

Factory support mode (Preset Mode)	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Remarks
480p	31.5	60	
576p	31.25	50	
720р	45.0	60	
1080p	56.25	50	
1080p	67.5	60	
2160p	67.5	30	

## **Power LED**

Mode	LED Color	
On Mode	White (For a few seconds)	
Sleep Mode (Standby Mode)	Off	
Off Mode	Off	

## Beep Guide

Menu	Location
Quick Settings	1
Quick Settings - Brightness	11
Quick Settings - Brightness	1 1 1 Slider
Quick Settings - Contrast	12
Quick Settings - Contrast	1 2 1 Slider
Quick Settings - Volume	13
Quick Settings - Volume	1 3 1 Slider
Quick Settings - Color Temp	14
Quick Settings - Color Temp - Custom	141
Quick Settings - Color Temp - Warm	142
Quick Settings - Color Temp - Medium	143
Quick Settings - Color Temp - Cool	144
Quick Settings - Color Temp - Manual	145
Quick Settings - Color Temp - Manual	1 4 5 1 Slider
Quick Settings - MaxxAudio	15
Quick Settings - MaxxAudio - On	151
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Input	2
Input - Input List	21
Input - Input List - HDMI 1	211
Input - Input List - HDMI 2	212
Input - Input List - DisplayPort	213

Menu	Location
Input - Aspect Ratio	22
Input - Aspect Ratio - Full Wide	221
Input - Aspect Ratio - Original	222
Input - Aspect Ratio - Cinema 1	223
Input - Aspect Ratio - Cinema 2	224
Picture	3
Picture - Picture Mode	31
Picture - Picture Mode - Custom	311
Picture - Picture Mode - Vivid	312
Picture - Picture Mode - HDR Effect	313
Picture - Picture Mode - Reader	314
Picture - Picture Mode - Cinema	315
Picture - Picture Mode - FPS	316
Picture - Picture Mode - RTS	317
Picture - Picture Mode - Color Weakness	318
Picture - Picture Adjust	32
Picture - Picture Adjust - Brightness	321
Picture - Picture Adjust - Brightness	3 2 1 1 Slider
Picture - Picture Adjust - Contrast	322
Picture - Picture Adjust - Contrast	3 2 2 1 Slider
Picture - Picture Adjust - Sharpness	323
Picture - Picture Adjust - Sharpness	3 2 3 1 Slider

Menu	Location
Picture - Picture Adjust - SUPER RESOLUTION+	324
Picture - Picture Adjust - SUPER RESOLUTION+ - High	3241
Picture - Picture Adjust - SUPER RESOLUTION+ - Middle	3242
Picture - Picture Adjust - SUPER RESOLUTION+ - Low	3243
Picture - Picture Adjust - SUPER RESOLUTION+ - Off	3244
Picture - Picture Adjust - Black Level	325
Picture - Picture Adjust - Black Level - High	3251
Picture - Picture Adjust - Black Level - Low	3252
Picture - Picture Adjust - DFC	326
Picture - Picture Adjust - DFC - On	3261
Picture - Picture Adjust - DFC - Off	3262
Picture - Game Adjust	33
Picture - Game Adjust - Response Time	331
Picture - Game Adjust - Response Time - Faster	3311
Picture - Game Adjust - Response Time - Fast	3312
Picture - Game Adjust - Response Time - Normal	3313
Picture - Game Adjust - Response Time - Off	3314
Picture - Game Adjust - Freesync	332
Picture - Game Adjust - Freesync - On	3321
Picture - Game Adjust - Freesync - Off	3322
Picture - Game Adjust - Black Stabilizer	333
Picture - Game Adjust - Black Stabilizer	3 3 3 1 Slider

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Menu	Location
Picture - Game Adjust - Cross Hair	334
Picture - Game Adjust - Cross Hair - Red Cross	3341
Picture - Game Adjust - Cross Hair - Green Cross	3342
Picture - Game Adjust - Cross Hair - Red Dot	3343
Picture - Game Adjust - Cross Hair - Green Dot	3344
Picture - Game Adjust - Cross Hair - Off	3345
Picture - Color Adjust	34
Picture - Color Adjust - Gamma	341
Picture - Color Adjust - Gamma - Mode 1	3411
Picture - Color Adjust - Gamma - Mode 2	3412
Picture - Color Adjust - Gamma - Mode 3	3413
Picture - Color Adjust - Gamma - Mode 4	3414
Picture - Color Adjust - Color Temp	342
Picture - Color Adjust - Color Temp - Custom	3421
Picture - Color Adjust - Color Temp - Warm	3422
Picture - Color Adjust - Color Temp - Medium	3423
Picture - Color Adjust - Color Temp - Cool	3424
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	344
Picture - Color Adjust - Green	3 4 4 1 Slider

Menu	Location
Picture - Color Adjust - Blue	3 4 5
Picture - Color Adjust - Blue	3 4 5 1 Slider
Picture - Color Adjust - Six Color	346
Picture - Color Adjust - Six Color - Red Hue	3461
Picture - Color Adjust - Six Color - Red Hue	34611Slider
Picture - Color Adjust - Six Color - Red Saturation	3462
Picture - Color Adjust - Six Color - Red Saturation	3 4 6 2 1 Slider
Picture - Color Adjust - Six Color - Green Hue	3463
Picture - Color Adjust - Six Color - Green Hue	3 4 6 3 1 Slider
Picture - Color Adjust - Six Color - Green Saturation	3464
Picture - Color Adjust - Six Color - Green Saturation	3 4 6 4 1 Slider
Picture - Color Adjust - Six Color - Blue Hue	3465
Picture - Color Adjust - Six Color - Blue Hue	3 4 6 5 1 Slider
Picture - Color Adjust - Six Color - Blue Saturation	3466
Picture - Color Adjust - Six Color - Blue Saturation	3 4 6 6 1 Slider
Picture - Color Adjust - Six Color - Cyan Hue	3467
Picture - Color Adjust - Six Color - Cyan Hue	3 4 6 7 1 Slider
Picture - Color Adjust - Six Color - Cyan Saturation	3468
Picture - Color Adjust - Six Color - Cyan Saturation	3 4 6 8 1 Slider
Picture - Color Adjust - Six Color - Magenta Hue	3469
Picture - Color Adjust - Six Color - Magenta Hue	34691Slider
Picture - Color Adjust - Six Color - Magenta Saturation	34610
Picture - Color Adjust - Six Color - Magenta Saturation	3 4 6 10 1 Slider

Menu	Location
Picture - Color Adjust - Six Color - Yellow Hue	34611
Picture - Color Adjust - Six Color - Yellow Hue	3 4 6 11 1 Slider
Picture - Color Adjust - Six Color - Yellow Saturation	34612
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
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Sound - Volume	41
Sound - Volume	4 1 1 Slider
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Sound - MaxxAudio - On	421
Sound - MaxxAudio - Off	422
General	5
General - Language	5 1
General - Language - English	511
General - Language - German	512
General - Language - French	513
General - Language - Spanish	514
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General - Language - Swedish	516
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Menu	Location
General – Language – Portuguese	518
General - Language - Portuguese (Brazil)	519
General - Language - Polish	5 1 10
General - Language - Russian	5111
General - Language - Greek	5112
General - Language - Ukrainian	5113
General - Language - Chinese	5114
General - Language - Traditional Chinese	5 1 15
General – Language – Japanese	5 1 16
General – Language – Korean	5117
General - Language - Hindi	5 1 18
General - SMART ENERGY SAVING	5 2
General - SMART ENERGY SAVING - High	521
General - SMART ENERGY SAVING - Low	522
General - SMART ENERGY SAVING - Off	523
General - Power LED	53
General - Power LED - On	531
General - Power LED - Off	532
General - Automatic Standby	54
General - Automatic Standby - 8H	541
General - Automatic Standby - 6H	542
General - Automatic Standby - 4H	543
General - Automatic Standby - Off	544

Menu	Location
General - DisplayPort Version	5 5
General - DisplayPort Version - 1.4	551
General - DisplayPort Version - 1.2	552
General - DisplayPort Version - 1.1	553
General - Buzzer	56
General - Buzzer - On	561
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General - OSD Lock	57
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General - OSD Lock - Off	572
General - Information	58
General - Information	581
General - Reset to Initial Setting	59
General - Reset to Initial Setting - Yes	591
General - Reset to Initial Setting - No	592



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

Serial No.

#### 29WQ600 34WQ650 34WQ65X 29BQ650 34BQ650



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  ${\rm STAR}^{\odot}$  certification.

Refer to ENERGYSTAR.gov for more information on the ENERGY STAR<sup>®</sup> program.