LG
Life's Good

OWNER'S MANUAL

LG UltraGear™

Gaming Monitor

(LED Monitor*)

*LG LED Monitors are LCD Monitors with LED Backlighting.

Please read the safety information carefully before using the product.

LED LCD MONITOR MODEL

34UC70GA

www.lg.com

ENGLISH

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LICENSE

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



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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.



The SuperSpeed USB Trident logo is a registered trademark of USB Implementers Forum, Inc.

The following content is only applied to the monitor which is sold in Europe market and which needs to meet the ErP Directive:

* This monitor is set to be turned off automatically in 4 hours after you turned on display if there is no adjustment to display.

* To make this setting be disabled, change the option to 'Off' in OSD menu of "Automatic Standby".

ASSEMBLING AND PREPARING

Product Components

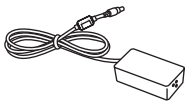
Please check whether all the components are included in the box before using the product. If there are missing components, contact the retail store where you purchased the product. Note that the product and components may look different from those shown here.



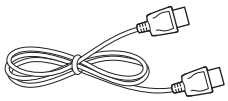
CD(Owner's Manual) / Card



Power Cord



AC-DC Adapter



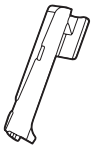
DisplayPort Cable



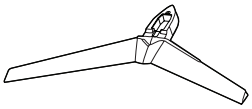
Cable Holder



Mouse Holder



Stand Body



Stand Base

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 recommend 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.

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.

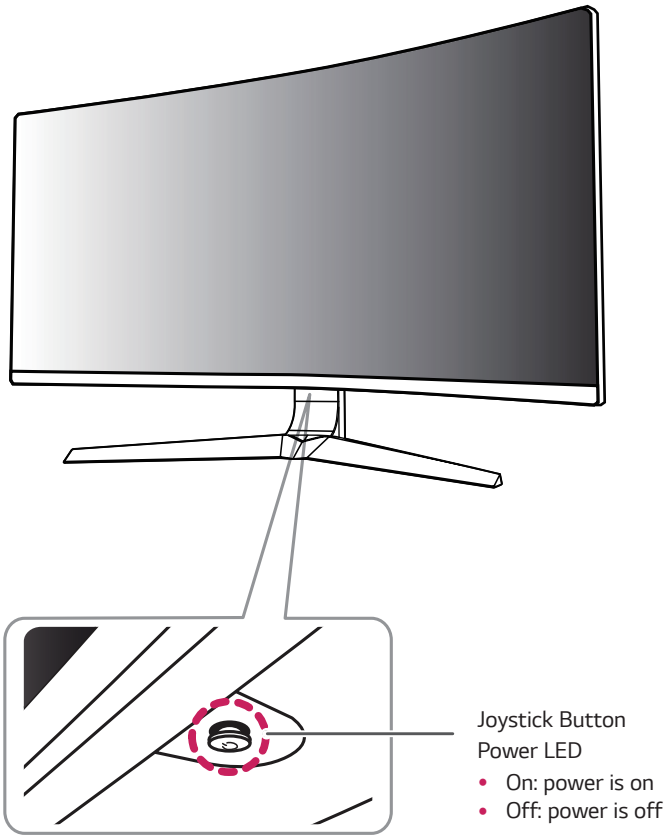
Supported Drivers and Software

Check the drivers and software supported by your product and refer to the manuals on the CD enclosed in the product package.

Drivers and Software	Installation Priority	34UC70GA
Monitor Driver	Recommended	O
ASM Driver	Required	X
OnScreen Control	Recommended	O
Dual Controller	Optional	O
True Color Pro	Optional	X

- Required and Recommended: You can download and install the latest version from the enclosed CD or from the LGE website (*www.lg.com*).
- Optional: You can download and install the latest version from the LGE website (*www.lg.com*).

Product and Button Description



Joystick Button

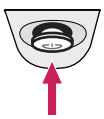
Power LED

- On: power is on
- Off: power is off

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 with your finger.

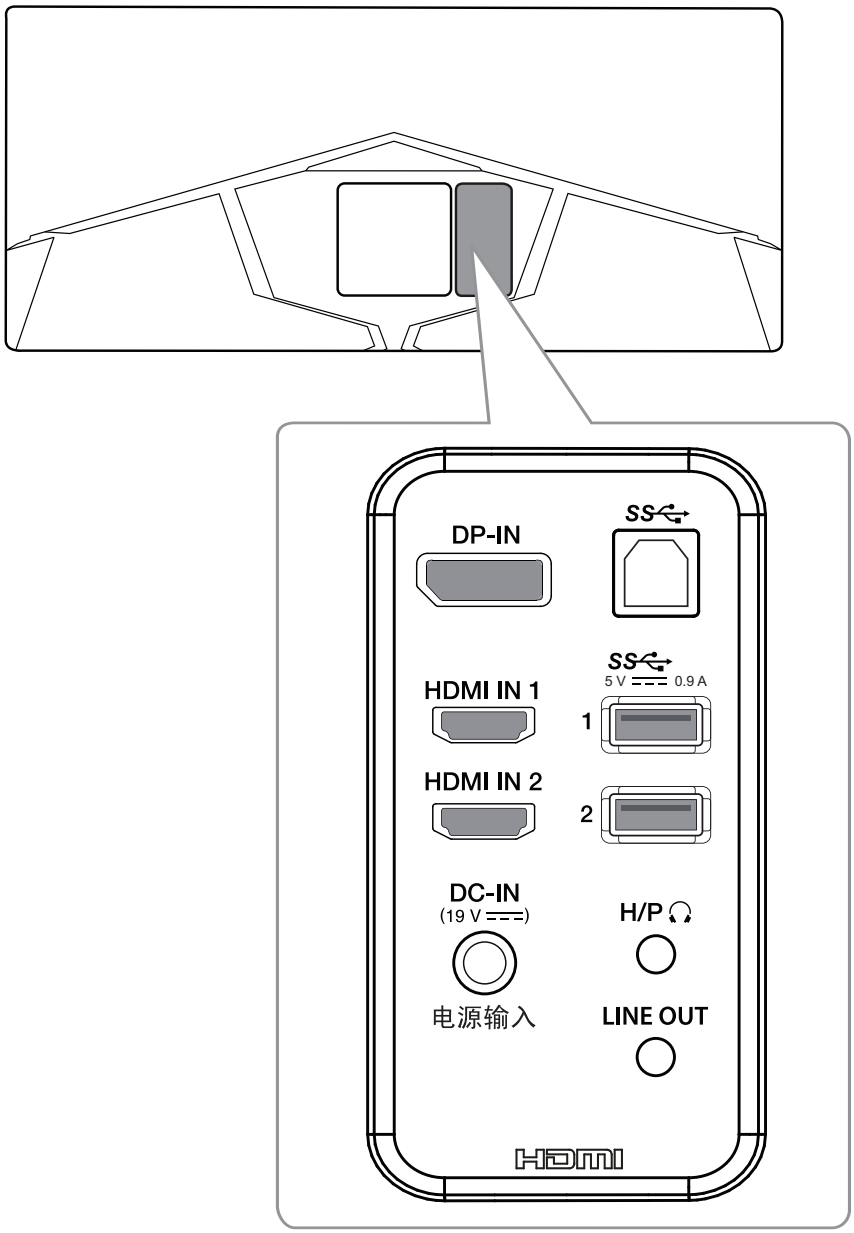
Basic Functions

	⏻	**Power on**	Press the joystick button once with your finger to turn on the monitor.
		**Power off**	Press and hold the joystick button once 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.

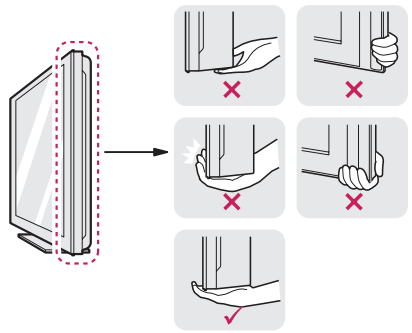
Input Connector

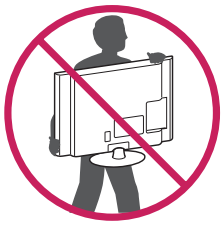


Moving and Lifting the Monitor

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.





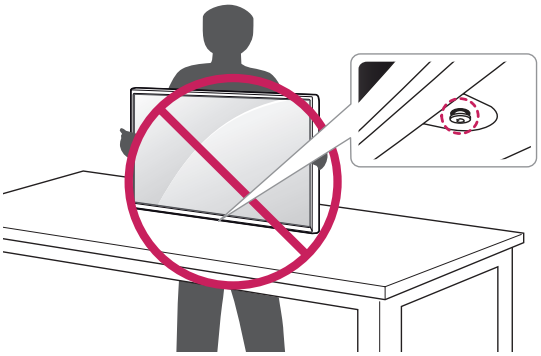
- When holding the monitor, the screen should face toward you to prevent it from being scratched.
- When transporting the monitor, do not expose the monitor to shock or excessive vibration.
- When moving the monitor, keep it upright and never turn the monitor on its side or tilt it sideways.

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.



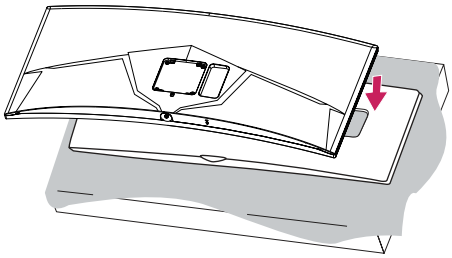
- If you use the monitor panel without the stand base, its joystick button may cause the monitor to become unstable and fall, resulting in damage to the monitor or human injury. In addition, this may cause the joystick button to malfunction.



Installing the Monitor

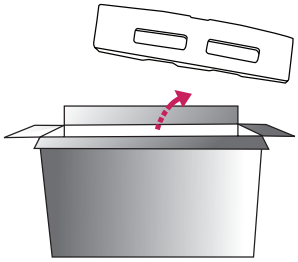
Assembling the Stand

1

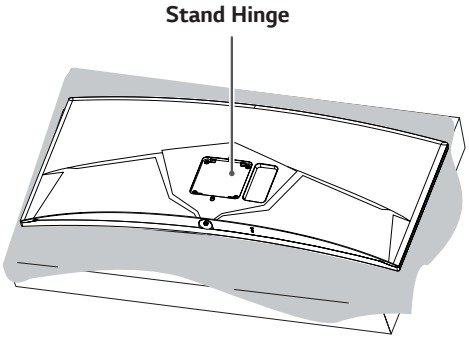


CAUTION

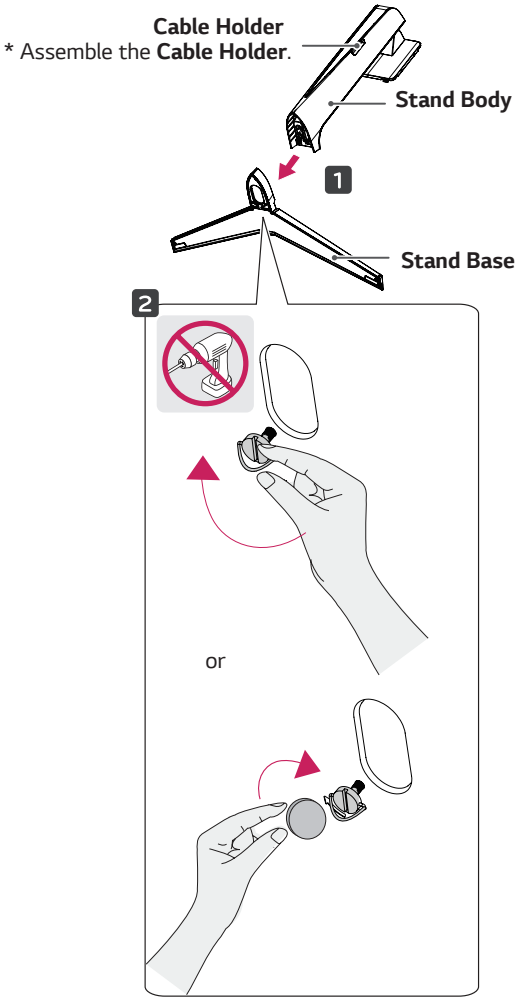
- To protect the screen, place the screen face down on the screen pad which is inside the box.



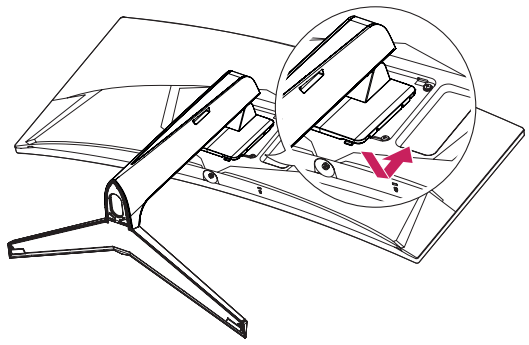
2



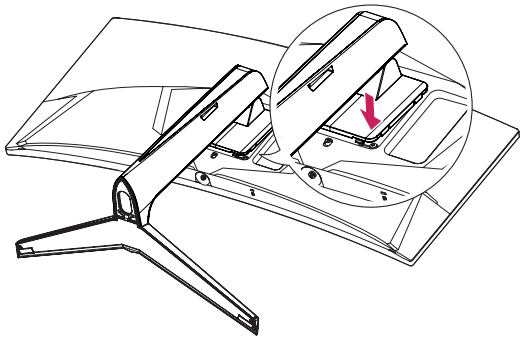
3



4

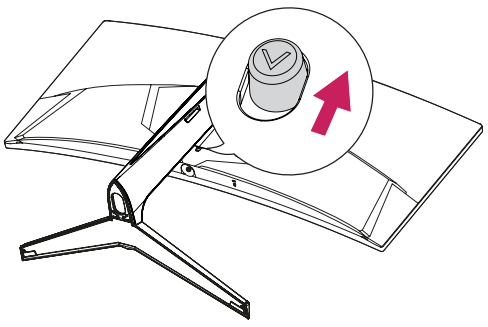


5



NOTE

- Press the stand until the button reaches the top.

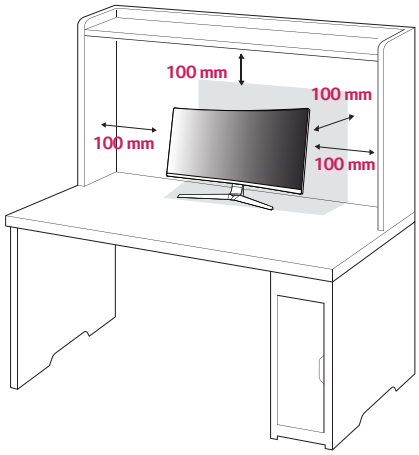


CAUTION

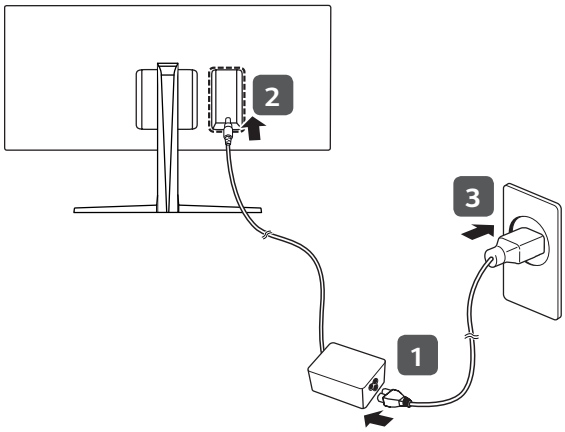
- Illustrations in this document represent typical procedures, so they may look different from the actual product.
- Applying excessive force when tightening screws may cause damage to the monitor. Damage caused in this way will not be covered by the product warranty.
- Do not carry the monitor upside 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.

Installing on a Table

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



2 Connect the power adapter to the monitor and then plug the power cord into the wall outlet.

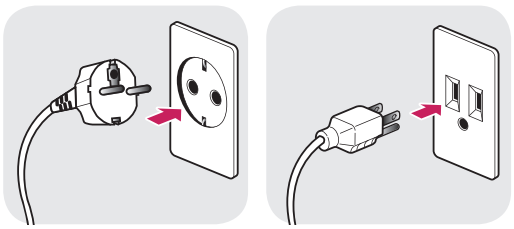


3 Press the joystick button on the bottom of the monitor to turn on the monitor.

CAUTION

- Unplug the power cord before moving or installing the monitor. There is risk of electric shock.

Cautions When Connecting Power Cord



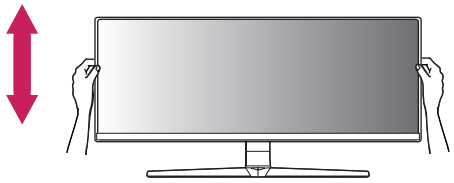
100-240 V ~

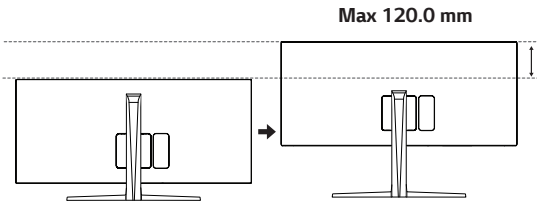
- Make sure to use the power cord that is provided in the product package and connect it to a grounded power outlet.
- If you need another power cord, please contact your local dealer or the nearest retail store.

Adjusting the Stand Height

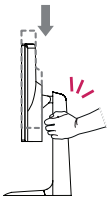
1 Place the monitor mounted on the stand base in an upright position.

2 Handle the monitor with both hands for safety.





WARNING



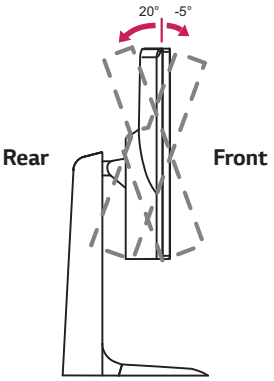
- When adjusting the screen height, do not place your hand on the stand body to avoid injury to your fingers.

Adjusting the Angle

1 Place the monitor mounted on the stand base in an upright position.

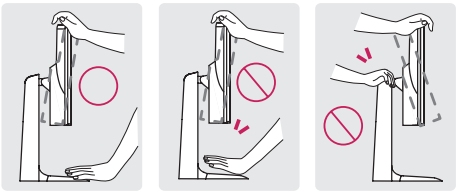
2 Adjust the angle of the screen.

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

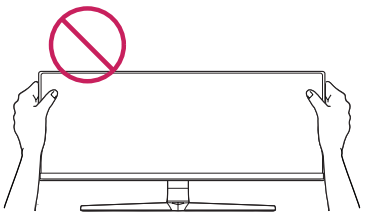


WARNING

- To avoid injury to the fingers when adjusting the screen, do not hold the lower part of the monitor's frame as illustrated below.

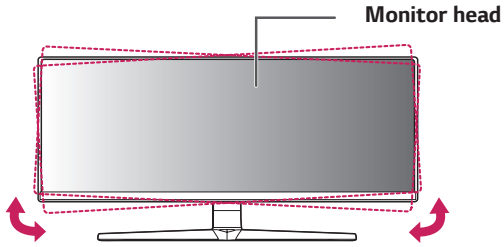


- Be careful not to touch or press the screen area when adjusting the angle of the monitor.



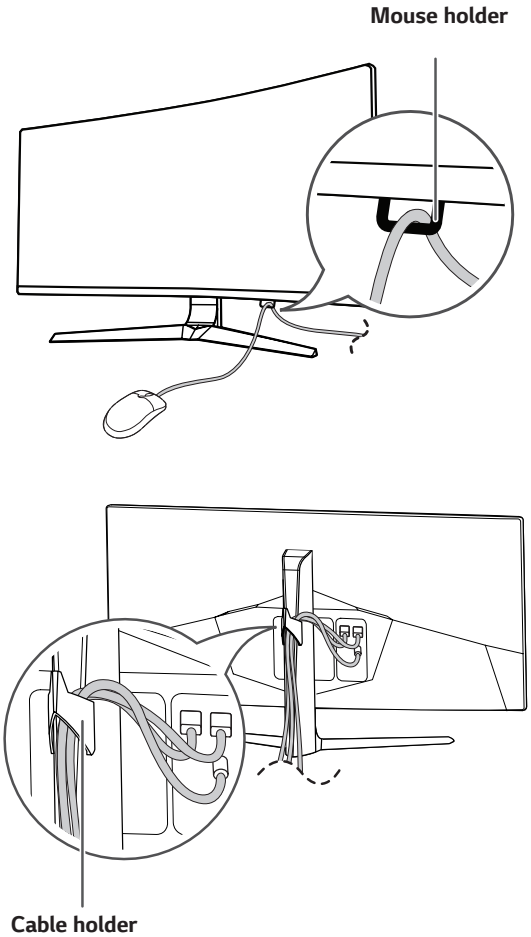
NOTE

- 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.



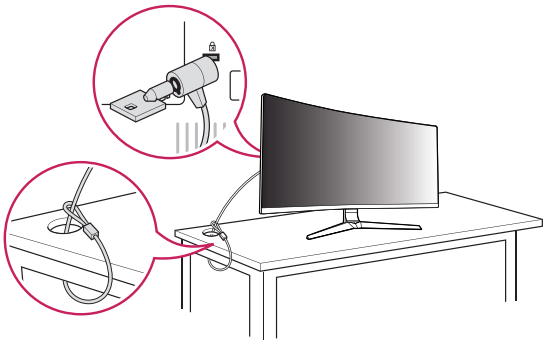
Tidying up Cables

Arrange the cables using the cable holder and mouse holder as shown in the illustration.



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.



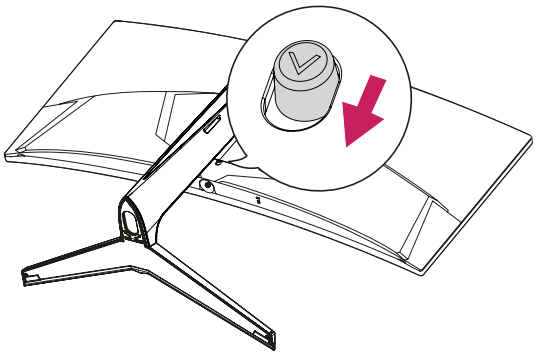
NOTE

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

Detaching the Stand Body

1 Place the monitor's screen face down. To protect the screen from scratches, cover the surface with a soft cloth.

2 Remove the stand from the monitor by pressing the button on the bottom center of the back of the monitor.



Installing the wall mount plate

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

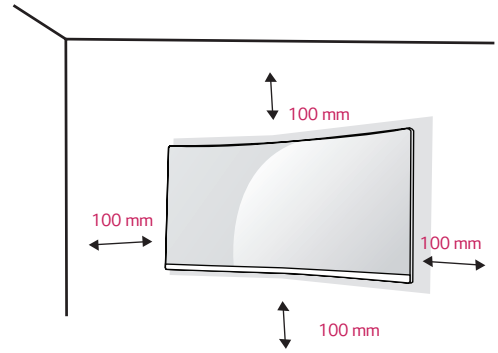
1 Place the screen face down. To protect the monitor panel (screen), cover the surface with a soft cloth or the monitor protection pad included in the product package.
2 Remove the four screws tightened on the back of the monitor.
3 Place the wall mount plate onto the monitor and align it with the screw holes.
4 Tighten the four screws using a screwdriver to fix the plate to the monitor.

NOTE

- The wall mount plate is sold separately.
- For more information on installation, refer to the wall mount plate's installation guide.
- Be careful not to apply too much force while mounting the wall mount plate as it may cause damage to the screen.

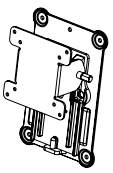
Installing on the Wall

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



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

1 If you use screws longer than the standard length, it may damage the inside of the product.
2 A non-VESA standard screw may damage the product and cause the monitor to fall. LG Electronics is not liable for any accidents relating to the use of non-standard screws.

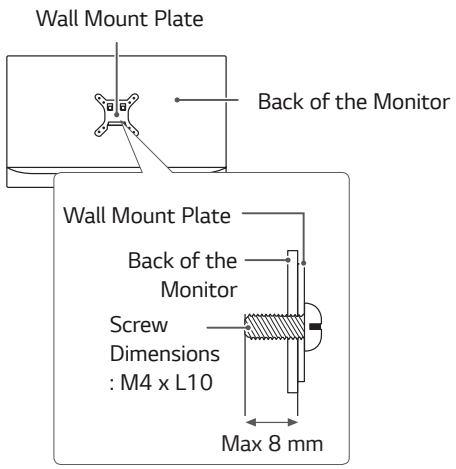
Wall Mount (mm)	100 x 100
Standard screw	M4 x L10
Number of screws	4
Wall Mount Plate (Optional)	RW120  **Rear** **Front**

NOTE

- Use the screws specified by VESA standards.
- The wall mount kit includes the installation guide and all necessary parts.
- The wall mounting bracket is optional. You can obtain optional accessories from your local dealer.
- The length of the screw may differ for each wall mounting bracket. Be sure to use the proper length.
- For more information, please refer to the user manual for the wall mounting bracket.

CAUTION

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



USING THE MONITOR

- The following instructions are based on the 34UC70GA model. Illustrations in this manual may differ from the actual product.

Press the joystick button, go to **Menu** → **Input**, and then select the input option.

CAUTION

- Do not press the screen for a prolonged time. This may cause image distortion.
- Do not display a still image on the screen for a prolonged time. This may cause image retention. Use a screensaver if possible.

NOTE

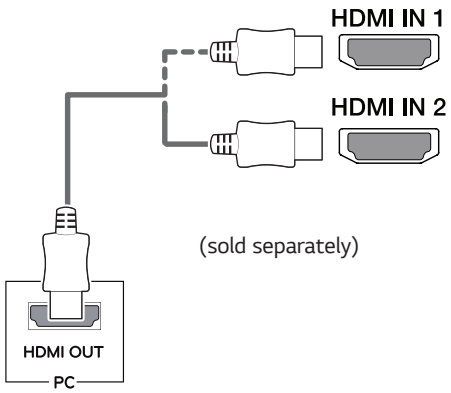
- When connecting the power cord to the outlet, use a grounded (3-hole) power strip or a grounded power outlet.
- The monitor may flicker when turned on in an area where the temperature is low. This is normal.
- Sometimes red, green, or blue spots may appear on the screen. This is normal.

Connecting to a PC

- This monitor supports the *Plug and Play feature.
  *Plug and Play: A feature that allows you to add a device to your computer without having to reconfigure anything or install any manual drivers.

HDMI connection

Transmits digital video and audio signals from your PC to the monitor. Connect your PC to the monitor using the HDMI cable as shown in the illustration below.

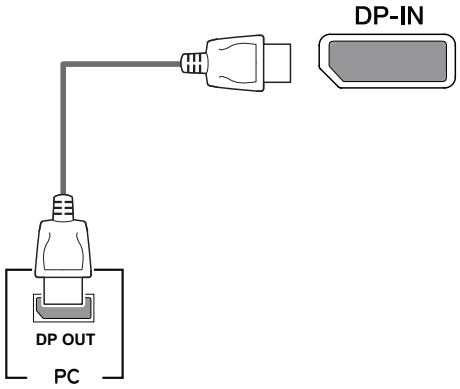


CAUTION

- Make sure to use the supplied HDMI cable of the product. Otherwise, this may cause the device to malfunction.
- Connecting your PC to the monitor using the HDMI cable may cause device compatibility issues.
- 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. Connect the monitor to your PC using the DisplayPort cable as shown in the illustration below.



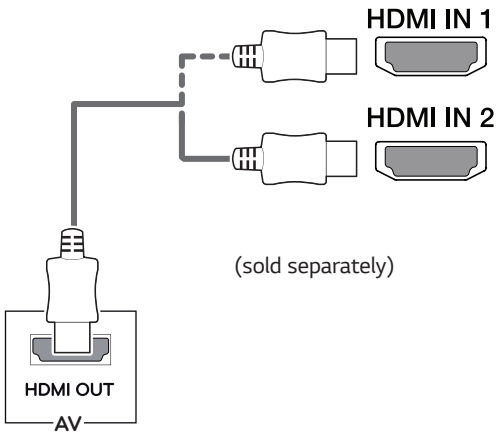
NOTE

- There may be no video or audio output depending on the DP (DisplayPort) version of the PC.
- Make sure to use the supplied DisplayPort cable of the product. Otherwise, this may cause the device to malfunction.
- For using Mini DP to DP (Mini DisplayPort to DisplayPort) cable, it is recommended that you use DisplayPort 1.2 cable.

Connecting AV Devices

HDMI connection

HDMI transmits digital video and audio signals from your AV device to the monitor. Connect your AV device to the monitor using the HDMI cable as shown in the illustration below.



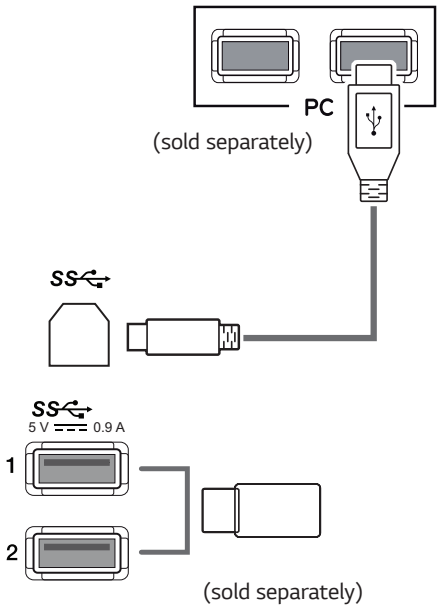
NOTE

- Make sure to use the supplied HDMI cable of the product. Otherwise, this may cause the device to malfunction.
- 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

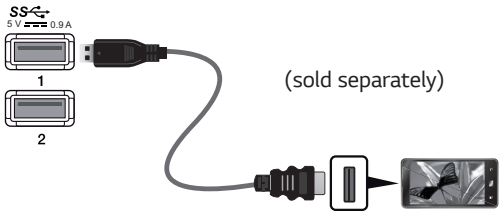
USB Cable connection

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



NOTE

- Make sure to install the most recent Windows OS service pack before using the product.
- Peripheral devices are sold separately.
- A keyboard, mouse, or USB device can be connected to the USB port.



(sold separately)

CAUTION

Cautions When Using a USB Device

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

Connecting Headphones

Connect peripherals to the monitor via the headphones port. Connect as illustrated.

H/P



(sold separately)

Connecting External Speaker

Connect peripherals to the monitor via the lineout port. Connect as illustrated.

LINE OUT



(sold separately)

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.



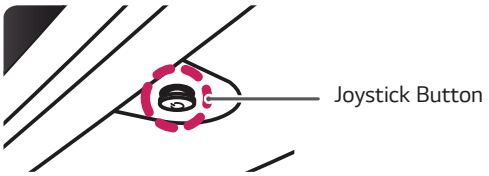
Angled **Straight**

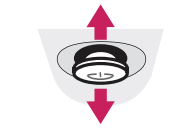
- Depending on the audio settings of the PC and external device, headphones and speaker functions may be limited.

USER SETTINGS

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
	**Main menu disabled**		Enables the main menu.
	Main menu enabled		Exits the main menu. (Holding down the button to turn off the monitor. You can turn off the monitor this way at any time, including when the OSD is on.)
	◀	**Main menu disabled**	Adjusts the monitor volume level.
		Main menu enabled	Enters the **Input** feature.
	▶	**Main menu disabled**	Adjusts the monitor volume level.
		Main menu enabled	Enters the **Menu** features.
	▲	**Main menu disabled**	Displays information on the current input.
		Main menu enabled	Turns off the monitor.
	▼	**Main menu disabled**	Displays information on the current input.
		Main menu enabled	Enters the **Game** features.

Main Menu Features



Main Menu	Description
Menu	Configures the screen settings.
Game	Sets the picture mode for gaming.
Input	Sets input mode.
Power Off	Turns off the monitor.
Exit	Exits the main menu.

User Settings

Menu Settings

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

• When you enter the menu, instructions on how to use the button will appear in the bottom right corner of the screen.


Quick Settings


Input


Picture


General

Each option is described below.

Menu		Description
Quick Settings	**Brightness**	Adjusts the color contrast and brightness of the screen.
	Contrast	
	Volume	Adjusts the volume level. **NOTE** • You can adjust **Mute** / **Unmute** by moving the joystick button to ▼in the **Volume** menu.
Input	**Input List**	Selects the input mode.
	Aspect Ratio	Adjusts the aspect ratio of the screen.
	Auto Input Switch	When automatic input switch is set to **On**, display will automatically switch to new input when connected.
Picture	**Picture Mode**	Changes the picture mode to the one optimized for a given feature.
	Picture Adjust	Adjusts the **Brightness, Contrast, Sharpness, SUPER RESOLUTION+, Black Level,** and **DFC**.
	Game Adjust	Adjusts the **Response Time**, **FreeSync**, **Black Stabilizer**,**1ms Motion Blur Reduction,** and **Cross Hair**.
	Color Adjust	Adjusts the **Gamma**, **Color Temp**, **Red, Green, Blue**, and **Six Color**.
	Picture Reset	Returns picture to the default settings.
General		Sets **Language**, **SMART ENERGY SAVING**, **Power LED**, **Automatic Standby**, **HDMI Compatibility Mode**, **DisplayPort 1.2, OSD Lock**, and **Reset** .
◀	**Exit**	Exits the OSD menu.

CAUTION

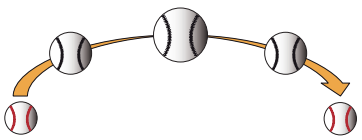
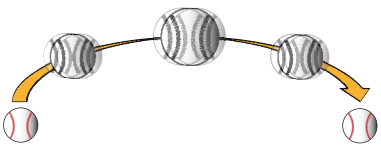
• Your monitor's OSD (On Screen Display) may differ slightly from that shown in this manual.

Menu > Quick Settings	Description
Brightness	Adjusts the color contrast and brightness of the screen.
Contrast	
Volume	Adjusts the volume level. **NOTE** • You can adjust **Mute** / **Unmute** by moving the joystick button to ▼ in the **Volume** menu.

Menu > 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.
	1:1	The aspect ratio is not adjusted from the original.
	Cinema1	Enlarges the screen with an aspect ratio of 21:9. (at 1080p)
	Cinema2	Enlarges the screen with an aspect ratio of 21:9, including the black box at the bottom for subtitles. (at 1080p)
	NOTE • The display may look the same for **Full Wide** , **Original**, and **1:1** options at the recommended resolution (2560 x 1080). • There is no **1:1**, **Cinema1**, **Cinema2** menu on **FreeSync** Mode. (Go to **Picture** → **Game Adjust** → **FreeSync**, to set **FreeSync On** or **Off**)	
Auto Input Switch	When automatic input switch is set to **On**, display will automatically switch to new input when connected.	

<table>
<tr><th>Menu > Picture</th><th colspan="3">Description</th></tr>
<tr><td rowspan="11">Picture Mode</td><td>Custom</td><td colspan="2">Allows the user to adjust each element. The color mode of the main menu can be adjusted.</td></tr>
<tr><td>Reader</td><td colspan="2">Optimizes the screen for viewing documents. You can brighten the screen in the OSD menu.</td></tr>
<tr><td>Photo</td><td colspan="2">Optimizes the screen for photos.</td></tr>
<tr><td>Cinema</td><td colspan="2">Optimizes the screen for video.</td></tr>
<tr><td>Color Weakness</td><td colspan="2">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.</td></tr>
<tr><td>FPS Game 1</td><td colspan="2">This mode is optimized for FPS games.</td></tr>
<tr><td>FPS Game 2</td><td colspan="2">It has a higher Black Stabilizer value than FPS Game 1. It is suitable for very dark FPS games.</td></tr>
<tr><td>RTS Game</td><td colspan="2">This mode is optimized for RTS Game.</td></tr>
<tr><td>Custom (Game)</td><td colspan="2">In this mode, users can customize various elements including game-related options.</td></tr>
<tr><td colspan="3">NOTE
• If the Picture Mode is changed in the DP (DisplayPort) input, the screen may flicker or the resolution of your PC screen may be affected.

NOTE
• Depending on the setting of the picture mode, the OSD menu of FreeSync and 1ms Motion Blur Reduction are disabled. (FPS Game 1, FPS Game 2, RTS Game)however, the following actions will be internally performed.
<table>
<tr><th>Picture Mode</th><th>FreeSync</th><th>1ms Motion Blur Reduction</th></tr>
<tr><td>FPS Game 1</td><td>Off</td><td>On</td></tr>
<tr><td>FPS Game 2</td><td>On</td><td>Off</td></tr>
<tr><td>RTS Game</td><td>On</td><td>Off</td></tr>
</table></td></tr>
<tr><td rowspan="11">Picture Adjust</td><td>Brightness</td><td colspan="2">Adjusts the brightness of the screen.</td></tr>
<tr><td>Contrast</td><td colspan="2">Adjusts the contrast of the screen.</td></tr>
<tr><td>Sharpness</td><td colspan="2">Adjusts the sharpness of the screen.</td></tr>
<tr><td rowspan="5">SUPER RESOLUTION+</td><td>High</td><td>Optimizes the screen for crystal clear images. Best for high definition video or games.</td></tr>
<tr><td>Middle</td><td>Optimizes the screen for comfortable viewing, with images at the middle level between the low and high modes. Best for UCC or SD videos.</td></tr>
<tr><td>Low</td><td>Optimizes the screen for smooth and natural images. Best for still images or images with less movement.</td></tr>
<tr><td>Off</td><td>Displays in the most common setting. Disables SUPER RESOLUTION+.</td></tr>
<tr><td colspan="2">NOTE
• Because this is a function to increase the sharpness of low resolution pictures, it is not recommended to use the function for normal text or for desktop icons. Doing so may result in unnecessarily high sharpness.</td></tr>
<tr><td rowspan="3">Black Level</td><td colspan="2">Sets the offset level (for HDMI only).
• Offset: as a reference for a video signal, this is the darkest color the monitor can display.</td></tr>
<tr><td>High</td><td>Keeps the current contrast ratio of the screen.</td></tr>
<tr><td>Low</td><td>Lowers the black levels and raises the white levels from the current contrast ratio of the screen.</td></tr>
<tr><td rowspan="2">DFC</td><td>On</td><td>Adjusts the brightness automatically according to the screen.</td></tr>
<tr><td>Off</td><td>Disables the DFC feature.</td></tr>
</table>

<table>
<tr><th>Menu > Picture</th><th colspan="3">Description</th></tr>
<tr><td rowspan="11">Game Adjust</td><td rowspan="5">Response Time</td><td colspan="2">Sets a response time for displayed pictures based on the speed of the screen.
For a normal environment, it is recommended that you use Normal. For a fast-moving picture, it is recommended that you use Fast.
Setting to Fast may cause image sticking.</td></tr>
<tr><td>Fast</td><td>Sets the response time to Fast.</td></tr>
<tr><td>Normal</td><td>Sets the response time to Normal.</td></tr>
<tr><td>Slow</td><td>Sets the response time to Slow.</td></tr>
<tr><td>Off</td><td>Does not use the response time improvement feature.</td></tr>
<tr><td rowspan="3">FreeSync</td><td colspan="2">Provides seamless and natural images by synchronizing the vertical frequency of the input signal with that of the output signal.
CAUTION
• Supported Interface: DisplayPort.
• Supported Graphic Card : A graphic card that supports 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 AMD website at http://www.amd.com/FreeSync
• FreeSync and 1ms Motion Blur Reduction cannot be enabled simultaneously.</td></tr>
<tr><td>On</td><td>FreeSync function on.</td></tr>
<tr><td>Off</td><td>FreeSync function off.</td></tr>
<tr><td>Black Stabilizer</td><td colspan="2">You can control the black contrast to have better visibility in dark scenes.
Increasing the Black Stabilizer value brightens the low gray level area on the screen. (You can easily distinguish objects on dark game screens.)
Reducing the Black Stabilizer value darkens the low gray level area and increases the dynamic contrast on the screen.</td></tr>
<tr><td rowspan="3">1ms Motion Blur Reduction</td><td>On</td><td>This mode minimizes motion blur in fast-moving videos. To take full advantage of this function, select 2560 × 1080 @ 144 Hz before enabling 1ms Motion Blur Reduction.

This function is available for the following vertical frequency. (60Hz, 100Hz, 120Hz, 144Hz)</td></tr>
<tr><td>Off</td><td>Turns 1ms Motion Blur Reduction Mode off.
</td></tr>
<tr><td colspan="2">NOTE
• To reduce motion blur, brightness is reduced with backlight control.
• 1ms Motion Blur Reduction and FreeSync feature can not used at the same time.</td></tr>
<tr><td>Cross Hair</td><td colspan="2">Cross Hair provides a mark on the center of the screen for First Person Shooter(FPS) games. Users can select the cross hair that fits their gaming environment among four different cross hairs.
• When the monitor is off or enters energy saving mode, the Cross Hair feature is automatically turned off.</td></tr>
</table>

Menu > Picture	Description		
Color Adjust	**Gamma**	Custom gamma settings: **Gamma 0**, **Gamma 1**, **Gamma 2**. The higher the gamma value, the darker the image becomes. Likewise, the lower the gamma value, the lighter the image becomes.	
	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.
	Red	You can customize the picture color using **Red**, **Green**, and **Blue** colors.	
	Green		
	Blue		
	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	Returns picture to the default settings.		

Menu > General	Description	
Language	Sets the menu screen to the desired language.	
SMART ENERGY SAVING	Conserve energy by using luminance compensation algorithm.	
	High	Saves energy using the high-efficiency **SMART ENERGY SAVING** feature.
	Low	Saves energy using the low-efficiency **SMART ENERGY SAVING** feature.
	Off	Disables the **SMART ENERGY SAVING** feature.
Power LED	Turns the power LED on the front of the monitor **On** or **Off**.	
	On	The power LED turns on automatically.
	Off	The power LED turns off.
Automatic Standby	Feature that automatically turns off the monitor when there is no movement on the screen for a period of time. You can set a timer for the auto-off function. (**Off**, **4 H**, **6 H**, and **8 H**)	
HDMI Compatibility Mode	HDMI Compatibility Mode feature can recognize the legacy equipment that does not support HDMI 2.0.	
	On	Enables **HDMI Compatibility Mode**.
	Off	Disables **HDMI Compatibility Mode**.
	NOTE • If the connected device does not support **HDMI Compatibility Mode**, the screen or sound may not work properly.	
DisplayPort 1.2	Enables or disables **DisplayPort 1.2**. **NOTE** • Be sure to configure this option according to the DisplayPort version supported by your graphics card. Set this option to **Disable** if your graphics card does not support DisplayPort 1.2.	

Menu > General	Description	
OSD Lock	This feature disables the configuration and adjustment of menus.	
	On	Enables **OSD Lock**.
	Off	Disables **OSD Lock**.
	NOTE • All features are disabled except **Brightness**, **Contrast**, **Volume** in **Quick Settings**, **Input** and **OSD Lock** in **General**.	
Reset	**Do you want to reset your settings?**	
	No	Cancel the reset.
	Yes	Restores the default settings.

TROUBLESHOOTING

Nothing is displayed on the screen.	
Is the monitor's power cord plugged in?	• Check if the power cord is correctly plugged into the power outlet.
Is the power LED on?	• Check the power cable connection and press the power button.
Is the power on and the power LED displaying white?	• Check that the connected input is enabled (**Menu > Input**).
Is the power LED blinking?	• If the monitor is in sleep mode, move the mouse, or press any key on the keyboard, to switch the display on. • Check if the computer is turned on.
Is the **OUT OF RANGE** message being displayed?	• This occurs when signals transferred from the PC (graphics card) are out of the horizontal or vertical frequency range of the monitor. Please see the Product Specification section of this manual to set the appropriate frequency.
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.
The screen may not be displayed properly when configuring DisplayPort 1.2 in a Mac product.	• DisplayPort 1.2 may not be supported depending upon the Mac product. Please contact the manufacturer.

The OSD lock message is being displayed.	
Are some functions not available when you press the Menu button?	• The OSD is locked. Go to **Menu** > **General** and set **OSD Lock** to **Off**.

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

Screen display is unstable and shaky / Images displayed on the monitor leave shadow trails.	
Did you select the appropriate resolution?	• If the selected resolution is HDMI 1080i 60/50 Hz (interlaced), the screen may be flickering. Change the resolution to 1080P or the recommended resolution.

NOTE

- **Vertical frequency** In order to display an image, the screen must be refreshed dozens of times per second, like a fluorescent lamp. The number of times the screen is refreshed per second is called vertical frequency, or refresh rate, and is represented by Hz.
- **Horizontal frequency** The time it takes to display one horizontal line is called the horizontal cycle. If 1 is divided by the horizontal interval, the result is the number of horizontal lines displayed per second. This is called horizontal frequency and is represented by kHz.

NOTE

- Check if the graphics card's resolution or frequency is within the range allowed by the monitor and set it to the recommended (optimal) resolution **Control Panel** > **Display** > **Settings** in Windows. (The settings may differ depending on the operating system (OS) you use.)
- Not setting the graphics card to the recommended (optimal) resolution may result in blurred text, a dimmed screen, a truncated display area, or misalignment of the display.
- The setting methods may be different depending on the computer or operating system, and some resolutions may not be available depending on the performance of the graphics card. If this is the case, contact the manufacturer of the computer or graphics card for assistance.
- Some graphics cards may not support 2560 x 1080 resolution. If the resolution cannot be displayed, contact the manufacturer of your graphics card.

The display color is discoloured.	
Does the display appear discol-ored (16 colors)?	• Set the color to 24 bit (true color) or higher. In Windows, go to **Control Panel** > **Display** > **Settings** > **Color Quality**.(The settings may differ depending on the operating system (OS) you use.)
Does the display color appear unstable or monochrome?	• Check if the signal cable is connected properly. Reconnect the cable or reinsert the PC's graphics card.
Are there spots on the screen?	• When using the monitor, pixilated spots (red, green, blue, white, or black) may appear on the screen. This is normal for an LCD screen. It is not an error, nor is it related to the monitor's performance.

Do you see an "Unrecognized monitor, Plug&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 or speaker.	
Are images displayed using DP (DisplayPort) or HDMI input without sound?	• Make sure that the headphone port connections are made properly. • Try increasing the volume with the joystick. • Set the audio output of the PC to the monitor you are using. On Microsoft Windows, go to **Control Panel > Hardware and Sound > Sound > set the Monitor as default device**. (The settings may differ depending on the operating system (OS) you use.)

SPECIFICATIONS

LCD Screen	Type	TFT (Thin Film Transistor) LCD (Liquid Crystal Display) Screen	
	Color Depth	HDMI	8-bit color is supported.
		DP (DisplayPort)	8-bit color is supported.
	Pixel Pitch	0.312 mm x 0.310 mm	
Resolution	Maximum Resolution	2560 x 1080 @ 144 Hz	
	Recommended Resolution	2560 x 1080 @ 60 Hz	
Video Signal	Horizontal Frequency	30 kHz to 164 kHz	
	Vertical Frequency	56Hz to 144 Hz	
	Synchronization	Separate Sync.	
Input Connector	H/P OUT, HDMI IN 1/2, DP (DisplayPort) IN, USB UP, USB (SS) 1/2, LINE OUT		
Power Sources	Power Rating	19 V ⎓ 3.4 A	
	Power consumption (Typ.)	On mode: 45 W Typ. (ENERGY STAR® standard) * 49 W Typ. (Typical, USB excluded)(Outgoing condition) ** Sleep Mode ≤ 1.2 W Off Mode ≤ 0.3 W	
AC/DC adaptor	Type DA-65G19, Manufactured by Asian Power Devices Inc. Or type LCAP39, LIEN CHANG ELECTRONIC ENTERPRISE production Output: 19 V ⎓ 3.42 A		
Environmental Conditions	Operating Conditions	Temperature	0 °C to 40 °C
		Humidity	Less than 80 %
	Storing Conditions	Temperature	-20 °C to 60 °C
		Humidity	Less than 85 %
Dimensions	Monitor Size (Width x Height x Depth)		
	With Stand (mm)	830.5 x 449.5 x 279.7	
	Without Stand (mm)	830.5 x 370.3 x 75.5	
Weight (Without Packaging)	With Stand (kg)	8.6	
	Without Stand (kg)	6.4	

The specifications are subject to change without notice.

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

Factory Support Mode

(Preset Mode, HDMI/ DisplayPort PC)

Display Modes (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	60.0	-/-	
1024 x 768	97.551	119.989	+/-	
1152 x 864	109.756	119.952	+/-	
1280 x 720	91.493	119.912	+/-	
1280 x 1024	130.035	119.958	+/-	
1920 x 1080	83.894	74.973	+/-	
1920 x 1080	113.221	99.930	+/-	
1920 x 1080	137.26	119.98	+/-	
2560 x 1080	68.93	59.94	+/-	
2560 x 1080	86.79	74.94	+/-	
2560 x 1080	113.24	99.94	+/-	
2560 x 1080	135.60	120	+/-	
2560 x 1080	162.72	144	+/-	

HDMI Timing (Video)

Factory support mode (Preset Mode)	Horizontal Frequency(kHz)	Vertical Frequency(Hz)	Remarks
480p	31.47	60	
576p	31.25	50	
720p	45	60	
720p	37.5	50	
1080i	28.125	50	
1080i	33.75	60	
1080p	67.5	60	
1080p	56.25	50	
1080p	56.25	60	2560 x 1080p
1080p	66	50	2560 x 1080p

Power LED

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



This device meets the EMC requirements for home appliances (Class B) and is intended for home usage. 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 _____

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit http://opensource.lge.com.
In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.
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 for three (3) years from the date on which you purchased the product.