LG
Life's Good

OWNER'S MANUAL

LED LCD MONITOR

(LED Monitor*)

* LG LED Monitor applies LCD screen with LED backlights.
This product is a computer monitor and not for television purpose.

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

22BL450Y
24BL450Y
27BL450Y

www.lg.com

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LICENSE

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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 a period of three years after our last shipment of this product. This offer is valid to anyone in receipt of this information.

ASSEMBLING AND PREPARING

CAUTION

- Always use genuine LG components to ensure safety and product performance.
- The product warranty will not cover damage or injury caused by the use of unauthorized components.
- It is recommended that use the supplied components.
- If you use generic cables not certified by LG, the screen may not display or there may be image noises.
- Illustrations in this document represent typical procedures, so they may look different from the actual product.
- Do not apply foreign substances (oils, lubricants, etc.) to the screw parts when assembling the product. (Doing so may damage the product.)
- Applying excessive force when tightening screws may cause damage to the monitor. Damage caused in this way will not be covered by the product warranty.
- Do not carry the monitor upside down by just holding the base. This may cause the monitor to fall off the stand and could result in personal injury.
- When lifting or moving the monitor, do not touch the monitor screen. The force applied to the monitor screen may cause damage to it.

NOTE

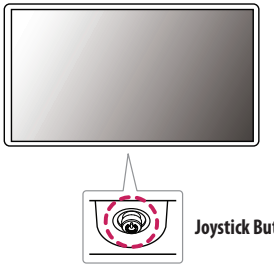
- The components may look different from those illustrated here.
- Without prior notice, all product information and specifications contained in this manual are subject to change to improve the performance of the product.
- To purchase optional accessories, visit an electronics store or an online shopping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

Supported Drivers and Software

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

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

Product and Button Description



Joystick Button

How to Use the Joystick Button

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

Basic Functions

		**Power on**	Press the joystick button once with your finger to turn on the monitor.
		**Power off**	Press and hold the joystick button once more than 3 seconds with your finger to turn off the monitor.
	◀/▶	**Volume control**	You can control the volume by moving the joystick button left/right.

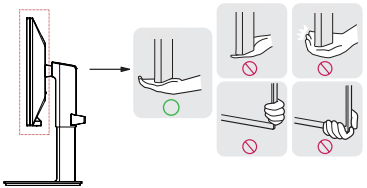
NOTE

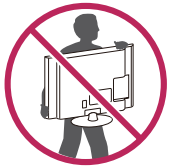
- The joystick button is located at the bottom of the monitor.

Moving and Lifting the Monitor

When moving or lifting the monitor, follow these instructions to prevent the monitor from being scratched or damaged and to ensure safe transportation, regardless of its shape or size.

- Place the monitor in the original box or packing material before attempting to move it.
- Before moving or lifting the monitor, disconnect the power cord and all other cables.
- Hold the bottom and side of the monitor frame firmly. Do not hold the panel itself.
- When holding the monitor, the screen should face away from you to prevent it from being scratched.
- When transporting the monitor, do not expose the monitor to shock or excessive vibration.
- When moving the monitor, keep it upright and never turn the monitor on its side or tilt it sideways.



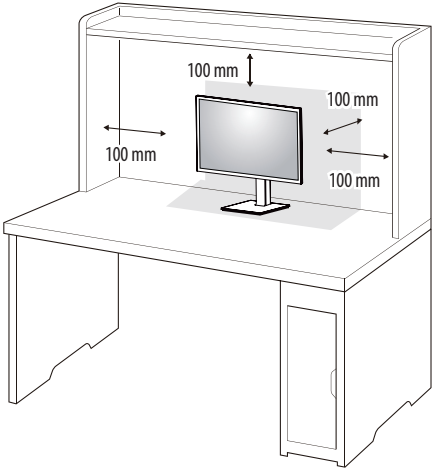


CAUTION

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

Installing on a Table

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

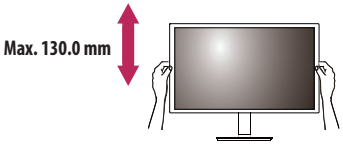


CAUTION

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

Adjusting the Stand Height

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



WARNING

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

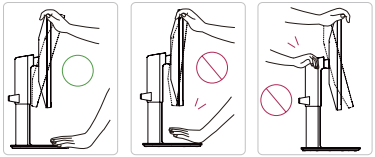
Adjusting the Angle

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

The angle of the screen can be adjusted forward or backward from -5° to 35° for a comfortable viewing experience.

WARNING

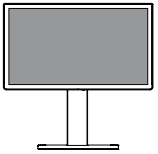
- To avoid injury to the fingers when adjusting the screen, do not hold the lower part of the monitor's frame as illustrated below.
- Be careful not to touch or press the screen area when adjusting the angle of the monitor.



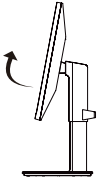
Pivot Feature

The pivot feature allows the monitor to rotate 90° clockwise and -90° counter clockwise.

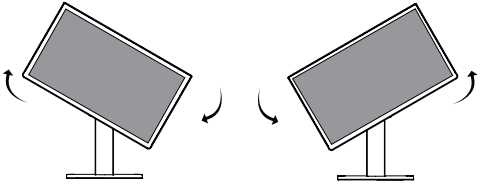
1 Raise the monitor to the maximum height.



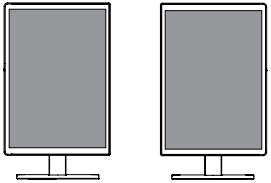
2 Adjust the angle of the monitor in the direction of the arrow as shown in the figure.



3 Rotate the monitor 90° clockwise and -90° counter clockwise as shown in the figure.

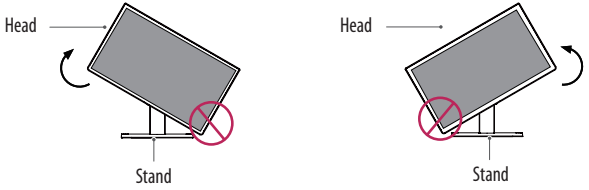


4 Complete the installation by rotating the monitor 90° clockwise and -90° counter clockwise as shown below.



NOTE

- Auto Pivot feature of the display is not supported.
- The screen can be rotated easily using the screenpivot shortcut key provided with your Windows operating system. Note that some Windows versions and some graphics card drivers may use different settings for the screen pivot key or may not support the pivot key at all.
- Windows screen pivot shortcut keys
  - 0°: Ctrl + Alt + Up arrow key (↑)
  - 90°: Ctrl + Alt + Left arrow key (←)
  - 180°: Ctrl + Alt + Down arrow key (↓)
  - 270°: Ctrl + Alt + Right arrow key (→)



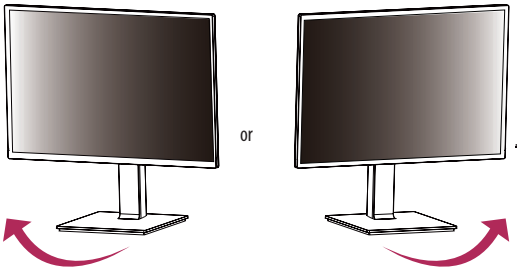
WARNING

- To avoid scratching the stand base, make sure that when rotating the monitor using the pivot feature, the stand does not make contact with the monitor.

Swivel stand

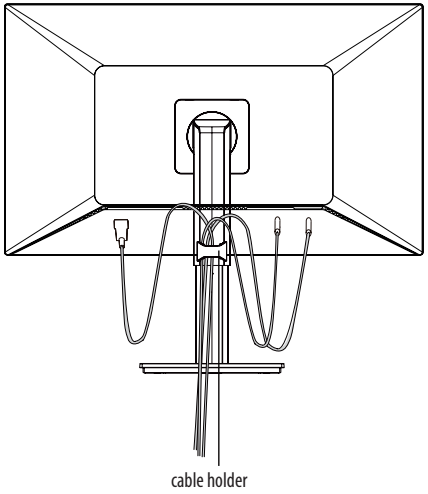
- Image shown may differ from your Monitor set.

1 Swivel 355 degrees and adjust the angle of the Monitor set to suit your view.



Using the cable holder

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

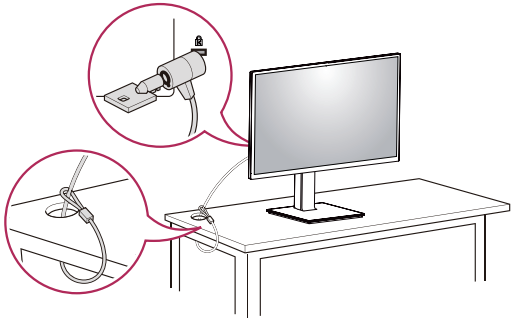


Using the Kensington Lock

The Kensington security system connector is located at the back of the Monitor set.

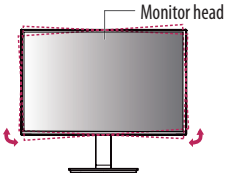
For more information on installation and usage, refer to the Kensington lock owner's manual or visit the website at *http://www.kensington.com*.

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.
- 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.



Installing the Wall Mount Plate

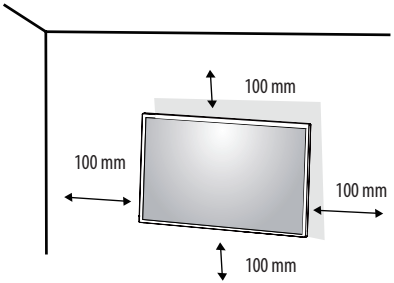
This monitor meets the specifications for the wall mount plate or other compatible devices.

NOTE

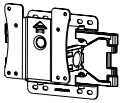
- The wall mount plate is sold separately.
- For more information on installation, refer to the wall mount plate's installation guide.
- Be careful not to apply too much force while mounting the wall mount plate as it may cause damage to the screen.
- Remove the stand before installing the monitor on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

Installing on the Wall

Install the monitor at least 100 mm 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.

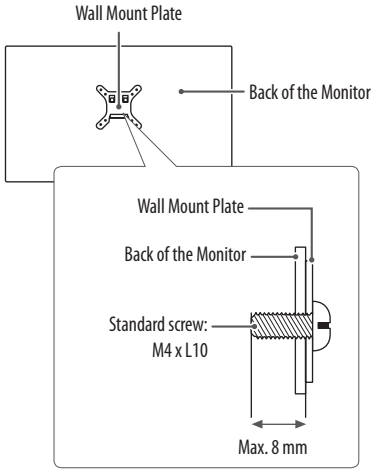
Wall Mount (mm)	100 x 100
Standard screw	M4 x L10
Number of screws	4
Wall Mount Plate (Optional)	LSW 149 

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.

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

- Illustrations in this manual may differ from the actual product.

CAUTION

- Do not press the screen for a prolonged time. This may cause image distortion.
- Do not display a still image on the screen for a prolonged time. This may cause image retention. Use a PC screensaver if possible.
- When connecting the power cord to the outlet, use a grounded (3-hole) power strip or a grounded power outlet.
- The monitor may flicker when turned on in an area where the temperature is low. This is normal.
- Sometimes red, green, or blue spots may appear on the screen. This is normal.

Connecting to a PC

- This monitor supports the *Plug and Play feature.

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

HDMI Connection

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

CAUTION

- Using a DVI to HDMI / DP (DisplayPort) to HDMI cable may cause compatibility issues.
- Use a certified cable with the HDMI logo attached. If you do not use a certified HDMI cable, the screen may not display or a connection error may occur.
- Recommended HDMI cable types
  - High-Speed HDMI®/™ cable
  - High-Speed HDMI®/™ cable with Ethernet

DisplayPort Connection

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

NOTE

- There may be no video or audio output depending on the DP (DisplayPort) version of the PC.
- If you are using a Mini DisplayPort output graphics card, use a Mini DP to DP (Mini DisplayPort to DisplayPort) cable or gender that supports DisplayPort1.2. (Sold separately)

Connecting Peripherals

USB Device connection

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

NOTE

- It is recommended you install all Windows Updates to keep your Windows up-to-date before connecting to the product for use.
- Peripheral devices are sold separately.
- A keyboard, mouse, or USB device can be connected to the USB port.
- The charging speed may vary depending on the device.

CAUTION

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

Headphones Connection

Connect peripherals to the monitor via the headphones port.

NOTE

- Peripheral devices are sold separately.
- Depending on the audio settings of the PC and external device, headphones and speaker functions may be limited.
- If you use angled earphones, it may cause a problem with connecting another external device to the monitor. Therefore, it is recommended to use straight earphones.



Angled



Straight
(Recommend)

USER SETTINGS

NOTE

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

Activating the Main Menu



Joystick Button

1. Press the joystick button on the bottom of the monitor.
2. Move the joystick up/down and left/right to set the options.
3. Press the joystick button once more to exit the main menu.

Button	Menu Status		Description
	**Main menu disabled**		Enables the main menu.
	Main menu enabled		Exits the main menu. (Holding down the button more than 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.
	►	**Main menu disabled**	Adjusts the monitor volume level.
		Main menu enabled	Enters the **Settings** feature.
	▲	**Main menu disabled**	Displays the information on the current input.
		Main menu enabled	Turns off the monitor.
	▼	**Main menu disabled**	Displays the information on the current input.
		Main menu enabled	Enters the **Picture Mode** feature.

Customizing settings

Quick Settings

Settings > Quick Settings	Description	
Brightness	Adjusts the color contrast and brightness of the screen.	
Contrast		
Volume	Adjusts the volume level.	
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 between a red and blue tone.
	Cool	Sets the screen color to a bluish tone.

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 wide-screen, regardless of the video signal input.
	Original	Displays video according to the aspect ratio of the video signal input.
	NOTE • The options may disabled at the recommended resolution (1920 x 1080).	

Picture

Settings > Picture	Description	
Picture Mode	Custom	Allows the user to adjust each element. The color mode of the main menu can be adjusted.
	Reader	Optimizes the screen for viewing documents. You can brighten the screen in the OSD menu.
	Photo	Optimizes the screen to view photos.
	Cinema	Optimizes the screen to improve the visual effects of a video.
	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.
	Game	Optimizes the screen for gameplay.
	DICOM	Optimizes the screen for viewing X-ray images. You can brighten the screen in the OSD menu. **NOTE** • This product has been approved as an IT device and not as a medical device. It is intended for office use only. (It may be used for education and reference purposes but not for medical diagnosis.)

NOTE

• 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 brightness of the screen.	
	Contrast	Adjusts the contrast of the screen.	
	Sharpness	Adjusts the sharpness of the screen.	
	SUPER RESOLUTION+	**Off**	Select this option for everyday viewing. SUPER RESOLUTION+ is turned off in this mode.
		High	Optimized picture quality is displayed when a user wants crystal clear images. It is effective for high quality video or game.
		Middle	The optimized picture quality is displayed when a user wants images between low and high modes for comfortable viewing. It is effective for UCC or SD video.
		Low	The optimized picture quality is displayed when a user wants smooth and natural images. It is effective for slow-moving pictures or still images.
		NOTE • Because this is a function to increase the sharpness of low resolution pictures, it is not recommended to use the function for normal text or for desktop icons. Doing so may result in unnecessarily high sharpness.	
	Black Level	Sets the offset level (for HDMI only). • Offset: as a reference for a video signal, this is the darkest color the monitor can display.	
		High	Keeps the current contrast ratio of the screen.
		Low	Lowers the black levels and raises the white levels from the current contrast ratio of the screen.
	DFC	**On**	Adjusts the brightness automatically according to the screen.
		Off	Disables the DFC feature.
Game Adjust	**Response Time**	Sets a response time for displayed pictures based on the speed of the screen. For a normal environment, it is recommended that you use **Fast**. For a fast-moving picture, it is recommended that you use **Faster**. Setting to **Faster** may cause image sticking.	
		Faster	Sets the response time to **faster**.
		Fast	Sets the response time to **fast**.
		Normal	Sets the response time to **normal**.
		Off	Does not use the response time improvement feature.

Settings > Picture	Description		
Game Adjust	**Black Stabilizer**	You can control the black contrast to have better visibility in dark scenes. Increasing the Black Stabilizer value brightens the low gray level area on the screen. (You can easily distinguish objects on dark game screens.) Reducing the Black Stabilizer value darkens the low gray level area and increases the dynamic contrast on the screen.	
	Cross Hair	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.	
Color Adjust	**Gamma**	**Mode 1, Mode 2, Mode 3**	The higher the gamma value, the darker the image becomes. Likewise, the lower the gamma value, the lighter the image becomes.
		Mode 4	If you do not need to adjust the gamma settings, select Mode 4.
	Color Temp	Selects the factory default picture color. Warm: Sets the screen color to a reddish tone. Medium: Sets the screen color between a red and blue tone. Cool: Sets the screen color to a bluish tone. Custom: The user can adjust it to red, green or blue by customization.	
	Red	You can customize the picture color using Red, Green, and Blue colors.	
	Green		
	Blue		

Settings > Picture	Description		
Picture Reset	Do you want to reset your settings?	No	Cancel the select.
		Yes	Returns to the default settings.

NOTE

- This is subsidiary for color weakness user. Therefore if you feel uncomfortable with the screen, please turn off this function.
- This function can't distinguish some colors in some images.

Sound

Settings > Sound	Description
Volume	To adjust the Volume of headphone or speaker.

General

Settings > General	Description		
Language	To choose the language in which the control names are displayed.		
SMART ENERGY SAVING	**High**	Enables SMART ENERGY SAVING you can save energy with this energy- high efficient.	
	Low	Enables SMART ENERGY SAVING you can save energy with this energy- low efficient.	
	Off	Disables SMART ENERGY SAVING .	
	* **SMART ENERGY SAVING** : Conserve energy by using luminance compensation algorithm.		
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**, **4H**, **6H**, and **8H**)		
OSD Lock	Prevents incorrect key input.		
	On	Key input is disabled.	
	NOTE • All function except for the OSD Lock mode, brightness, Contrast, Input and Volume are disabled.		
	Off	Key input is enabled.	
Information	The display information will be shown the **Model**, **Total Power On Time**, **Serial Number**, **Resolution**.		
Reset	**Do you want to reset your settings?**	**No**	Cancel the select.
		Yes	Returns to the default settings.

NOTE

- Saving Data depends on the Panel. So,those values should be different from each panel and panel vendor. If you select the option of **SMART ENERGY SAVING** is **High** or **Low**, monitor luminance become lower or higher depend on source.

TROUBLESHOOTING

Check the following before calling for service.

No image appears	
Is the power cord of the display connected?	• Check and see if the power cord is connected properly to the power outlet.
Is the power indicator light on?	• Press the Power button.
Do you see an "Out of Range" message on the screen?	• This message appears when the signal from the PC (video card) is out of horizontal or vertical frequency range of the display. See the 'Specifications' section of this manual and configure your display again.
Do you see a "NO SIGNAL" message on the screen?	• After the monitor is on "NO SIGNAL", the monitor goes to DPM mode. • This is displayed when the signal cable between the PC and the monitor is missing or disconnected. Check the cable and reconnect it. • If monitor is DPM with power LED off condition,user should be press twice DC button for wake up monitor screen.
Can 't you control some functions in OSD?	
Can't you select some menu in OSD?	• You can unlock the OSD controls at any time by entering the OSD lock menu and changing items to off.

⚠ **CAUTION**

- Check **Control Panel ► Display ► Settings** and see if the frequency or the resolution were changed. If yes, readjust the video card to the recommend resolution.
- If the recommended resolution (optimal resolution) is not selected, letters may be blurred and the screen may be dimmed, truncated or biased. Make sure to select the recommend resolution.
- The setting method can differ by computer and O/S (Operation System), and resolution mentioned above may not be supported by the video card performance. In this case, please ask to the computer or the video card manufacturer.

Display image is incorrect	
The screen color is mono or abnormal.	• Check if the signal cable is properly connected and use a screwdriver to fasten if necessary. • Make sure the video card is properly inserted in the slot. • Set the color setting higher than 24 bits (true color) at **Control Panel ► Settings**.
The screen blinks.	• Check if the screen is set to interlace mode and if yes, change it to the recommend resolution.
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 our web site: *http://www.lg.com.* • Make sure to check if the video card supports Plug&Play function.
The screen is flickering.	
Did you select the recommended resolution?	• If the selected resolution is HDMI 1080i 60/50 Hz, the screen may be flickering. Change the resolution to the recommended resolution 1080P.

PRODUCT SPECIFICATION

22BL450Y

Color Depth	8-bit color is supported.	
Resolution	Max Resolution	1920 x 1080 @ 75 Hz (for HDMI only)
	Recommended Resolution	1920 x 1080 @ 60 Hz
Power Sources	Power Rating	19 V ⎓ 1.3 A
	Power Consumption	On mode: 13 W Typ. (ENERGY STAR® standard)* Sleep Mode (Standby Mode) ≤ 0.3 W (HDMI / DP input Condition)** Off Mode ≤ 0.3 W
AC/DC Adapter	Type ADS-40SG-19-3 19025G, SHENZHEN HONOR ELECTRONIC production Or type ADS-40FSG-19 19025GPG-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-40FSG-19 19025GPBR-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-40FSG-19 19025GPI-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-40FSG-19 19025GPCU-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-40FSG-19 19025GPB-2, SHENZHEN HONOR ELECTRONIC production Or type ADS-25SFA-19-3 19025E, SHENZHEN HONOR ELECTRONIC production Or type ADS-25FSF-19 19025EPCU-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-25FSF-19 19025EPBR-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-25FSF-19 19025EPI-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-25FSF-19 19025EPG-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-25FSF-19 19025EPB-1, SHENZHEN HONOR ELECTRONIC production	

AC/DC Adapter	Or type LCAP21, LIEN CHANG ELECTRONIC ENTERPRISE production Or type LCAP26-A, LIEN CHANG ELECTRONIC ENTERPRISE production Or type LCAP26-E, LIEN CHANG ELECTRONIC ENTERPRISE production Or type LCAP26-I, LIEN CHANG ELECTRONIC ENTERPRISE production Or type LCAP26-B, LIEN CHANG ELECTRONIC ENTERPRISE production Or type WA-24C19FS, Asian Power Devices Inc. production Or type WA-24C19FN, Asian Power Devices Inc. production Or type DA-24B19, Asian Power Devices Inc. production Or type AD10560LF, PI Electronics (H.K.) Ltd. production Or type AD2139S20, PI Electronics (H.K.) Ltd. production Or type AD2139620, PI Electronics (H.K.) Ltd. production OUTPUT : 19 V ⎓ 1.3 A		
Environmental Conditions	Operating Conditions	Temperature	0 ℃ to 40 ℃
		Humidity	Less than 80 %
	Storing Conditions	Temperature	-20 ℃ to 60 ℃
		Humidity	Less than 85 %
Dimensions	Monitor Size (Width x Height x Depth)		
	With Stand	509.6 x 503.4 x 240 (mm)	
	Without Stand	509.6 x 305.7 x 59.6 (mm)	
Weight (Without Packaging)	With Stand	4.9 kg	
	Without Stand	2.8 kg	

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.

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

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

PRODUCT SPECIFICATION

24BL450Y

Color Depth	8-bit color is supported.	
Resolution	Max Resolution	1920 x 1080 @ 75 Hz (for HDMI only)
	Recommended Resolution	1920 x 1080 @ 60 Hz
Power Sources	Power Rating	19 V ⎓ 1.3 A
	Power Consumption	On mode: 14 W Typ. (ENERGY STAR® standard)* Sleep Mode (Standby Mode) ≤ 0.3 W (HDMI / DP input Condition)** Off Mode ≤ 0.3 W
AC/DC Adapter	Type ADS-40SG-19-3 19025G, SHENZHEN HONOR ELECTRONIC production Or type ADS-40FSG-19 19025GPG-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-40FSG-19 19025GPBR-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-40FSG-19 19025GPI-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-40FSG-19 19025GPCU-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-40FSG-19 19025GPB-2, SHENZHEN HONOR ELECTRONIC production Or type ADS-25SFA-19-3 19025E, SHENZHEN HONOR ELECTRONIC production Or type ADS-25FSF-19 19025EPCU-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-25FSF-19 19025EPBR-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-25FSF-19 19025EPI-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-25FSF-19 19025EPG-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-25FSF-19 19025EPB-1, SHENZHEN HONOR ELECTRONIC production	

AC/DC Adapter	Or type LCAP21, LIEN CHANG ELECTRONIC ENTERPRISE production Or type LCAP26-A, LIEN CHANG ELECTRONIC ENTERPRISE production Or type LCAP26-E, LIEN CHANG ELECTRONIC ENTERPRISE production Or type LCAP26-I, LIEN CHANG ELECTRONIC ENTERPRISE production Or type LCAP26-B, LIEN CHANG ELECTRONIC ENTERPRISE production Or type WA-24C19FS, Asian Power Devices Inc. production Or type WA-24C19FN, Asian Power Devices Inc. production Or type DA-24B19, Asian Power Devices Inc. production Or type AD10560LF, PI Electronics (H.K.) Ltd. production Or type AD2139S20, PI Electronics (H.K.) Ltd. production Or type AD2139620, PI Electronics (H.K.) Ltd. production OUTPUT : 19 V ⎓ 1.3 A		
Environmental Conditions	Operating Conditions	Temperature	0 ℃ to 40 ℃
		Humidity	Less than 80 %
	Storing Conditions	Temperature	-20 ℃ to 60 ℃
		Humidity	Less than 85 %
Dimensions	Monitor Size (Width x Height x Depth)		
	With Stand	555 x 513.5 x 240 (mm)	
	Without Stand	555 x 330.9 x 59.6 (mm)	
Weight (Without Packaging)	With Stand	5.5 kg	
	Without Stand	3.3 kg	

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.

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

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

PRODUCT SPECIFICATION

27BL450Y

Color Depth	8-bit color is supported.	
Resolution	Max Resolution	1920 x 1080 @ 75 Hz (for HDMI only)
	Recommended Resolution	1920 x 1080 @ 60 Hz
Power Sources	Power Rating	19 V ⎓ 1.6 A
	Power Consumption	On mode: 16 W Typ. (ENERGY STAR® standard)* Sleep Mode (Standby Mode) ≤ 0.3 W (HDMI / DP input Condition)** Off Mode ≤ 0.3 W
AC/DC Adapter	Type ADS-40SG-19-3 19032G, SHENZHEN HONOR ELECTRONIC production Or type ADS-40FSG-19 19032GPG-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-40FSG-19 19032GPBR-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-40FSG-19 19032GPI-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-40FSG-19 19032GPCU-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-45SQ-19-3 19032E, SHENZHEN HONOR ELECTRONIC production Or type ADS-45FSQ-19 19032EPG-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-45FSQ-19 19032EPK-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-45FSQ-19 19032EPCU-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-45FSQ-19 19032EPBR-1, SHENZHEN HONOR ELECTRONIC production Or type ADS-45FSQ-19 19032EPI-1, SHENZHEN HONOR ELECTRONIC production Or type LCAP21A, LIEN CHANG ELECTRONIC ENTERPRISE production Or type LCAP26A-A, LIEN CHANG ELECTRONIC ENTERPRISE production Or type LCAP26A-E, LIEN CHANG ELECTRONIC ENTERPRISE production Or type LCAP26A-I, LIEN CHANG ELECTRONIC ENTERPRISE production Or type LCAP26A-B, LIEN CHANG ELECTRONIC ENTERPRISE production Or type AD10550LF, PI Electronics (H.K.) Ltd. production Or type AD2138S20, PI Electronics (H.K.) Ltd. production Or type AD2138620, PI Electronics (H.K.) Ltd. production OUTPUT : 19 V ⎓ 1.7 A	

Environmental Conditions	Operating Conditions	Temperature	0 ℃ to 40 ℃
		Humidity	Less than 80 %
	Storing Conditions	Temperature	-20 ℃ to 60 ℃
		Humidity	Less than 85 %
Dimensions	Monitor Size (Width x Height x Depth)		
	With Stand	625.6 x 533.4 x 240 (mm)	
	Without Stand	625.6 x 375.2 x 61.7 (mm)	
Weight (Without Packaging)	With Stand	7.0 kg	
	Without Stand	4.8 kg	

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.

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

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

Factory Support Mode (Preset Mode, PC)

HDMI/DP(DisplayPort)

Preset Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Polarity (H/V)	Remarks
640 x 480	31.469	59.94	-/-	
800 x 600	37.879	60.317	+/+	
1024 x 768	48.363	60	-/-	
1280 x 720	45	60	+/+	
1280 x 800	49.702	59.81	-/+	
1280 x 1024	63.981	60.023	+/+	
1680 x 1050	65.29	59.954	-/+	
1920 x 1080	67.5	60	+/+	Recommend Mode
1920 x 1080	83.894	74.973	+/-	(for HDMI only)

HDMI Timing (Video)

Factory support mode (Preset Mode)	Horizontal Frequency(kHz)	Vertical Frequency(Hz)	HDMI
480P	31.50	60	0
576P	31.25	50	0
720P	37.50	50	0
720P	45.00	60	0
1080P	56.25	50	0
1080P	67.50	60	0 Recommend Mode

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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. _____

ENERGY STAR

This Product qualifies for ENERGY STAR®

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

Refer to ENERGYSTAR.gov for more information on the ENERGY STAR® program.