

OWNER'S MANUAL LED LCD Monitor (LED Monitor*)

*LG LED Monitors are LCD Monitors with LED Backlighting.

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

LED LCD MONITOR MODEL

20MK4 series

22MK4 series

24MK4 series

27MK4 series

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LICENSE

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



The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

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.

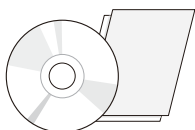
* To make this setting be disabled, change the option to 'Off' in OSD menu of "Automatic Standby".

ASSEMBLING AND PREPARING

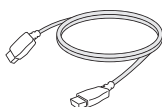
(Images may vary depending on models)

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**
(Depending on the country)



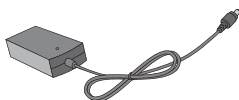
HDMI Cable
(Depending on the country)



D-SUB Cable
(Depending on the country)



Power Cord
(Depending on the country)



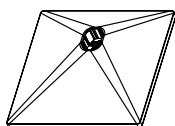
AC-DC Adapter

or

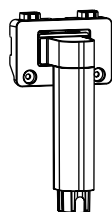


AC-DC Adapter
(Depending on the country)

20MK4 series 22MK4 series 24MK4 series



Stand Base

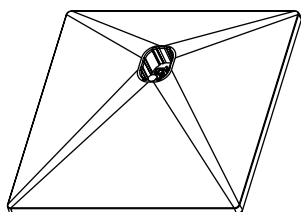


Stand Body

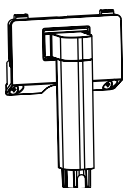


2 Screws

27MK4 series



Stand Base



Stand Body



CAUTION

- Always use genuine components to ensure safety and product performance.
- The product warranty will not cover damage or injury caused by the use of counterfeit 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

- Note that the components may look different from those shown here.
- Without prior notice, all information and specifications in this manual are subject to change to improve the performance of the product.
- To purchase optional accessories, visit an electronics store or online shopping site or contact the retail store where you purchased the product.

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.

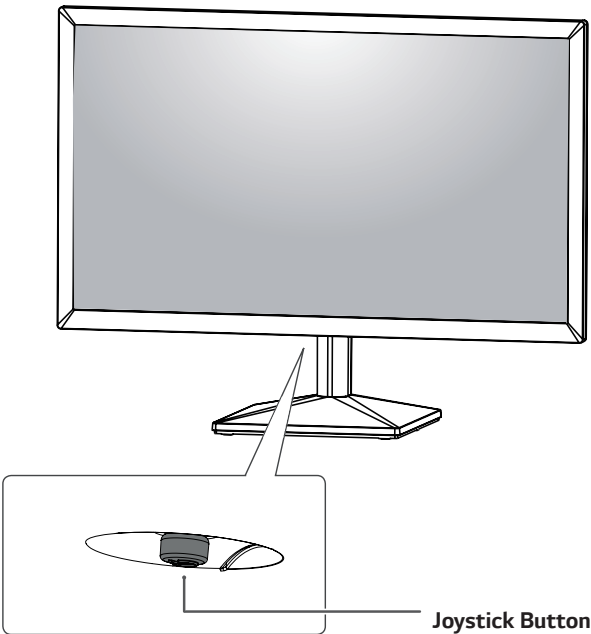
Drivers and Software	Installation Priority	20MK4 series 22MK4 series 24MK4 series 27MK4 series
Monitor Driver	Recommended	O
OnScreen Control	Recommended	O

- 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).

Component and Button Description

(Images may vary depending on models)

ENGLISH



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

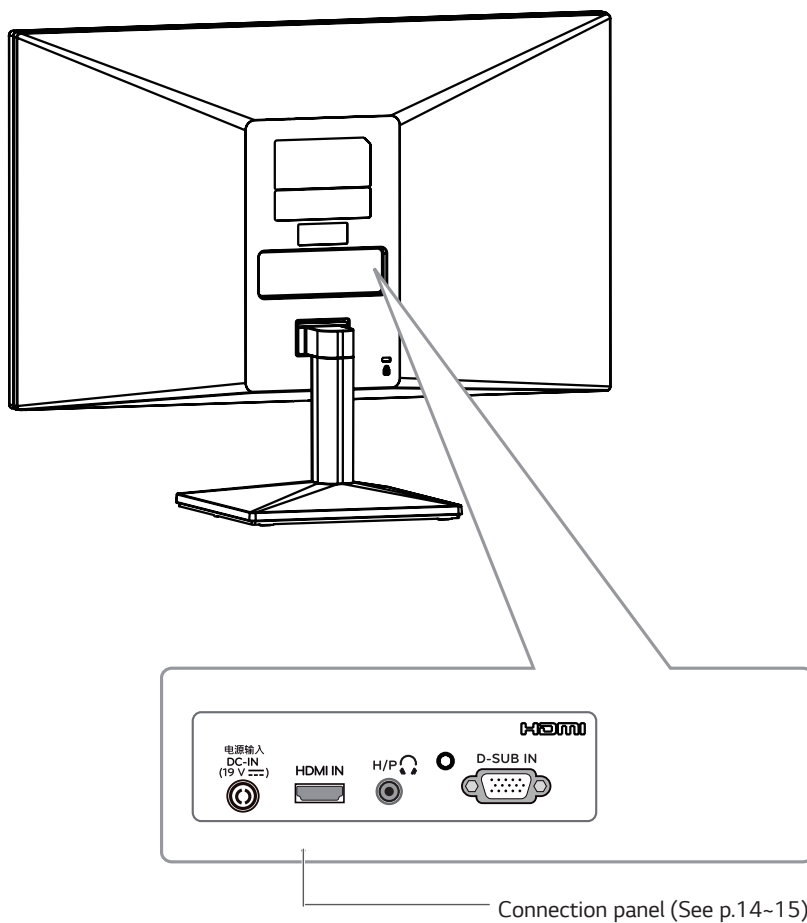
		Power on	Press the joystick button once with your finger to turn on the monitor.
		Power off	Press and hold the joystick button once with your finger to turn off the monitor.
		Volume Control	You can control the volume by moving the joystick button left/right. (for HDMI only)

NOTE

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

Input Connector

(Images may vary depending on models)

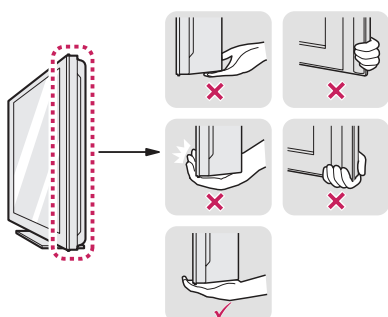


Moving and Lifting the Monitor

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.

- It is advisable to 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 cables.
- Hold the top and bottom of the monitor frame firmly. Do not hold the panel itself.

(Images may vary depending on models)



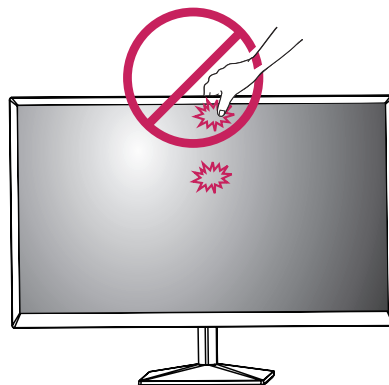
- When holding the monitor, the screen should face away from you to prevent it being scratched.



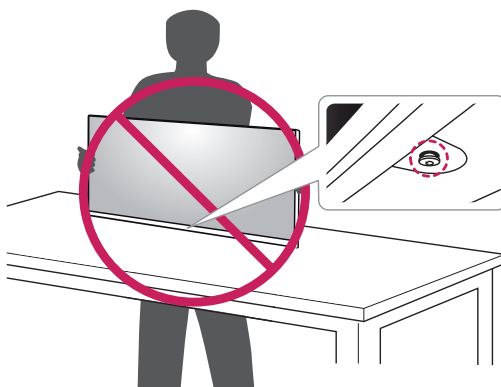
- When moving the monitor, avoid any strong shock or vibrations to the product.
- When moving the monitor, keep it upright, never turn the monitor on its side or tilt it sideways.

CAUTION

- As far as possible, avoid touching the monitor screen. 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.



Setting up the Monitor set

(Images may vary depending on models)

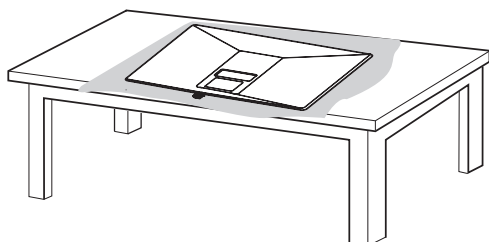
Attaching the Stand Base

20MK4 series

22MK4 series

24MK4 series

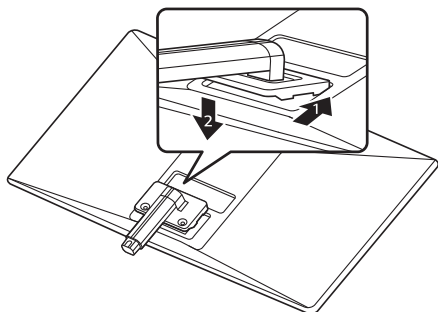
- 1 Place the Monitor set with the screen side down on a flat and cushioned surface.



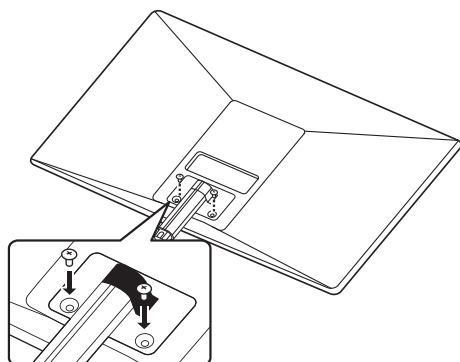
CAUTION

- To protect the screen from scratches, cover the surface with a soft cloth.

- 2 Attach the **Stand Body** to the monitor set.

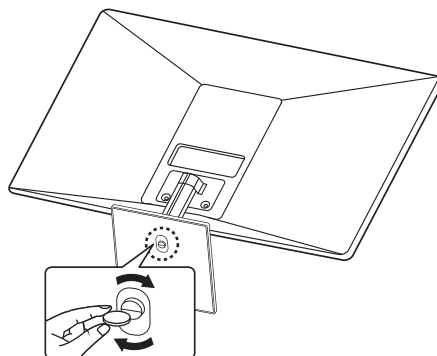


- 3 Tighten the screw.



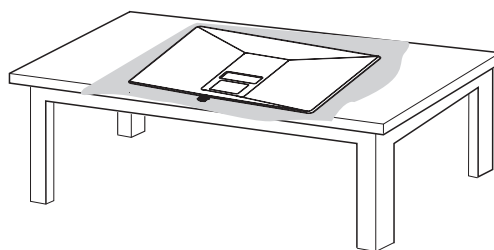
screw torque :10~12kgf

- 4 Tighten the screw to the right with a coin.



27MK4 series

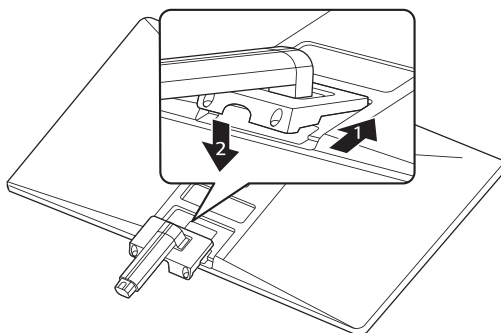
- 1 Place the Monitor set with the screen side down on a flat and cushioned surface.



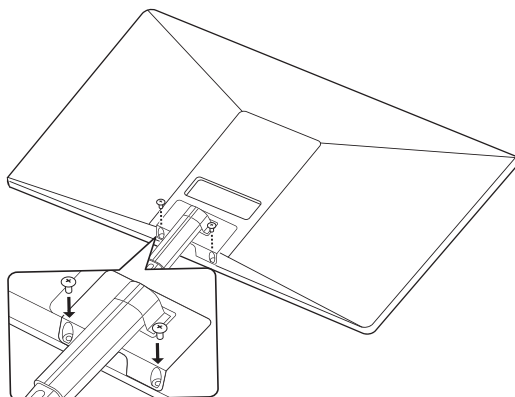
CAUTION

- To protect the screen from scratches, cover the surface with a soft cloth.

- 2 Attach the **Stand Body** to the monitor set.

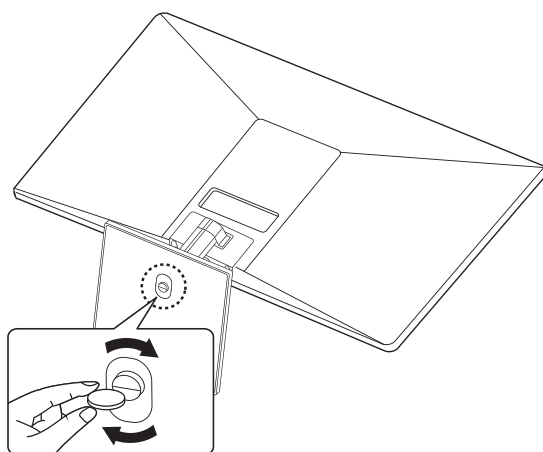


3 Tighten the screw.



screw torque :10~12kgf

4 Tighten the screw to the right with a coin.



WARNING

- To avoid injury to the fingers and foot when Assembly Stand Body and Base, should hold Base when assembly stand body and base.

CAUTION

- Illustrations in this document represent typical procedures, so they may look different from the actual product.
- Do not carry the monitor upside down by just holding the stand 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.
- 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.

NOTE

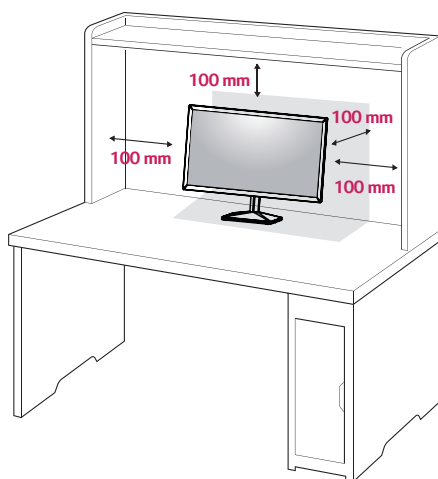
- You can disassemble the stand in the reverse order of the assembly.

Mounting on a table

(Images may vary depending on models)

- 1 Lift and tilt the Monitor set into its upright position on a table.

Leave a 100 mm (minimum) space from the wall for proper ventilation.



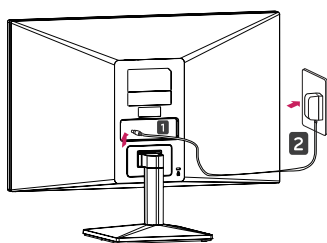
- 3 Press the joystick button on the bottom of the monitor to turn on the monitor.



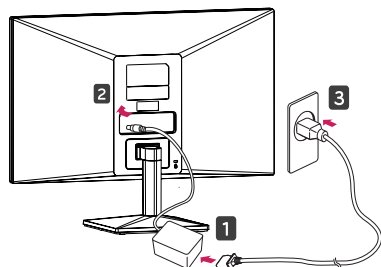
CAUTION

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

- 2 Connect the AC-DC Adapter and Power Cord to a wall outlet.

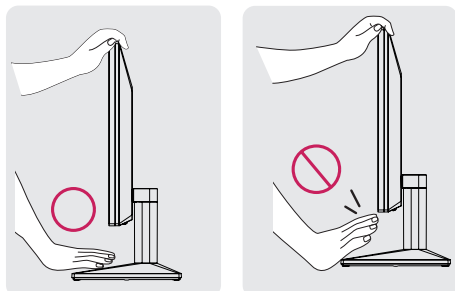


or

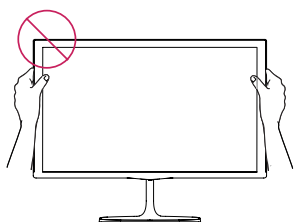


! WARNING

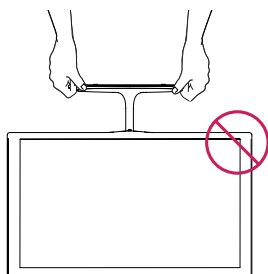
When you adjust the angle, do not hold the bottom of the Monitor set frame as shown on the following illustration, as may injure your fingers.



Do not touch or press the screen when adjusting the angle of the monitor.

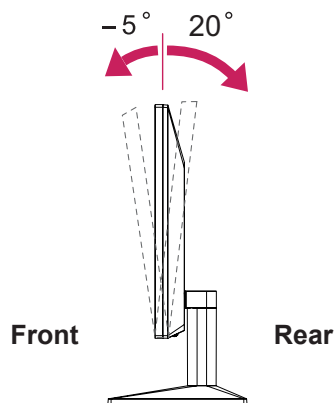


Do not hold this set like below picture. Monitor screen can detach from stand base and injure your body.



! NOTE

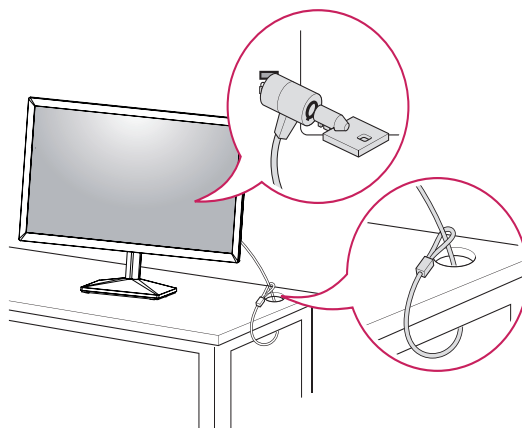
The angle of the screen can be adjusted forward or backward from -5° to 20° for a comfortable viewing experience.



Using the Kensington security system

The Kensington security system connector is located at the back of the Monitor set. For more information of installation and using, refer to the manual supplied with the Kensington security system or visit <http://www.kensington.com>.

Connect the Kensington security system cable between the Monitor set and a table.



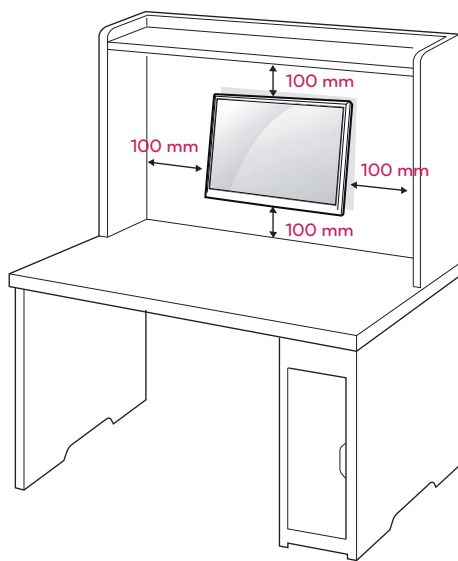
! NOTE

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

Mounting on a wall

(Images may vary depending on models)

For proper ventilation, allow a clearance of 100 mm on each side and from the wall. Detailed instructions are available from your dealer, see the optional Tilt Wall Mounting Bracket Installation and Setup Guide.



If you intend to mount the Monitor set to a wall, attach Wall mounting interface (optional parts) to the back of the set.

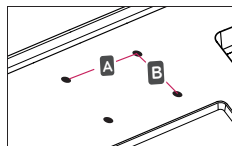
When you install the Monitor set using a wall mounting interface (optional parts), attach it carefully so it will not drop.

- 1 If you use screw longer than standard, the monitor might be damaged internally.
- 2 If you use improper screw, the product might be damaged and drop from mounted position.
In this case, LG Electronics is not responsible for it.

Model	20MK4 series 22MK4 series 24MK4 series
Wall Mount (A x B)	75 x 75
Standard screw	M4
Number of screws	4

Model	27MK4 series
Wall Mount (A x B)	100 x 100
Standard screw	M4
Number of screws	4

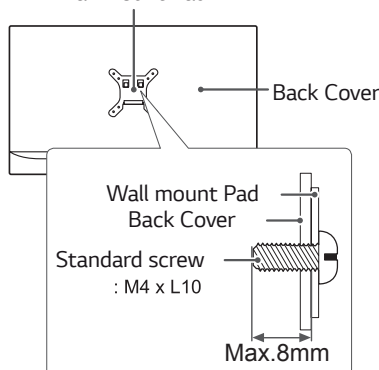
- Wall Mount (A x B)



CAUTION

- Disconnect the power cord first, and then move or install the Monitor set. Otherwise electric shock may occur.
- If you install the Monitor set on a ceiling or slanted wall, it may fall and result in severe injury.
- Use only an authorized LG wall mount and contact the local dealer or qualified personnel.
- Do not over tighten the screws as this may cause damage to the Monitor set and void your warranty.
- Use only screws and wall mounts that meet the VESA standard. Any damages or injuries by misuse or using an improper accessory are not covered by the warranty.
- Screw length from outer surface of back cover should be under 8mm.

Wall mount Pad



NOTE

- Use the screws that are listed on the VESA standard screw specifications.
- The wall mount kit will include an installation manual and necessary parts.
- The wall mount bracket is optional. You can obtain additional accessories from your local dealer.
- The length of screws may differ depending on the wall mount. Be sure to use the proper length.
- For more information, refer to the instructions supplied with the wall mount.

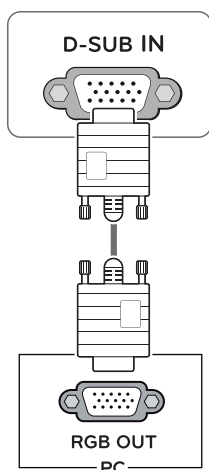
USING THE MONITOR SET

Connecting to a PC

- Your Monitor set supports Plug & Play*.
*Plug & Play: A PC recognizes a connected device that users connect to a PC and turn on, without device configuration or user intervention.

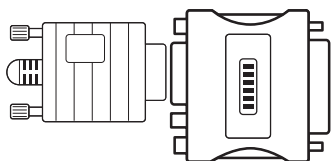
D-SUB connection

Transmits analog video from your PC to the Monitor set. Connect the PC and the Monitor set with the supplied D-sub 15 pin signal cable as shown in the following illustrations.



! NOTE

- When using a D-Sub signal input cable connector for Macintosh

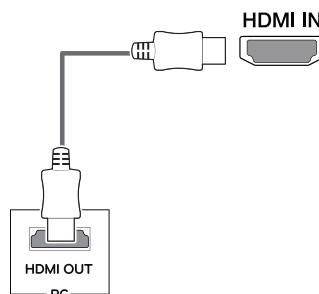


• Mac adapter

For Apple Macintosh use, a separate plug adapter is needed to change the 15 pin high density (3 row) D-SUB VGA connector on the supplied cable to a 15 pin 2 row connector.

HDMI connection

Transmits the digital video and audio signals from your PC to the Monitor set. Connect the PC and the Monitor set with the HDMI cable as shown in the following illustrations.



! NOTE

- If you use HDMI PC, it can cause compatibility problem.
- 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

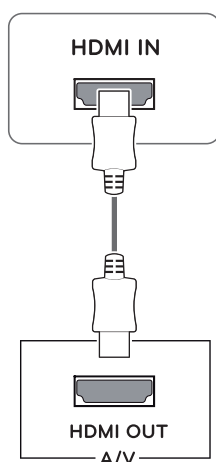
! NOTE

- When you want to use two PC in our Monitor, please connect the signal cable(D-SUB/DVI-D/ HDMI) respectively in Monitor set.
- If you turn the Monitor set on while it is cold, the screen may flicker. This is normal.
- Some red, green, or blue spots may appear on the screen. This is normal.

Connecting to AV Devices

HDMI connection

Transmits the digital video and audio signals from your AV devices to the monitor. Connect your AV device to the monitor with the HDMI cable as illustrated below.



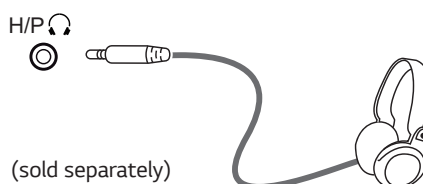
! NOTE

- If you use HDMI PC, it can cause compatibility problem.
- Use a certified cable with the HDMI logo attached. If you do not use a certified HDMI cable, the screen may not display or a connection error may occur.
- Recommended HDMI cable types
 - High-Speed HDMI[®]/TM Cable
 - High-Speed HDMI[®]/TM Cable with Ethernet

Connecting Peripherals

Connecting Headphones

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

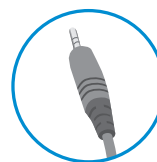


! NOTE

- Peripheral devices are sold separately.
- If you use angled headphones, it may cause a problem with connecting another external device to the monitor. Therefore, it is recommended to use straight headphones.



Angle Type



Straight Type

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

CUSTOMIZING SETTINGS

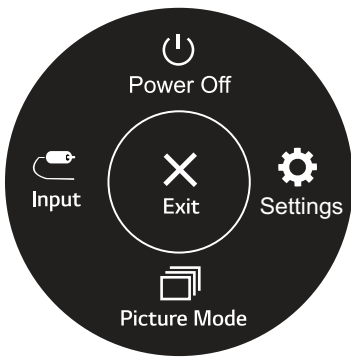
Activating the Main Menu

- 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 close the main menu.



Button	Menu Status		Description
	Main menu disabled		Enables the main menu.
	Main menu enabled		Close the main menu. (Long press the button to turn off the monitor)
	◀	Main menu disabled	Adjusts the monitor volume level. (for HDMI only)
		Main menu enabled	Enters the input features.
	▶	Main menu disabled	Adjusts the monitor volume level. (for HDMI only)
		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. (for HDMI only)

Main Menu Features



(for HDMI only)

Main Menu	Description
Settings	Configures the screen settings.
Picture Mode	Select picture mode to achieve the best display effect.
Input	Sets input mode.
Power Off	Turns off the monitor.
Exit	Exits the main menu.

Customizing settings

Settings > Quick Settings	Description
Brightness	Adjusts the contrast and brightness of the screen.
Contrast	
Volume	Adjusts the volume.(for HDMI only)
	 NOTE You can adjust Mute/ Unmute by moving the joystick button to ▼ in the Volume menu.

Settings > Input	Description				
Input List	Selects the input mode.				
Aspect Ratio	Adjusts the aspect ratio of the screen.				
	<table> <tr> <td>Full Wide</td><td>Displays the video in wide-screen, regardless of the video signal input.</td></tr> <tr> <td>Original</td><td>Displays video according to the aspect ratio of the video signal input.</td></tr> </table>	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.
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 22MK4 series 24MK4 series 27MK4 series The options may disabled at the recommended resolution (1920 x 1080).				

Customizing settings

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.
Picture Adjust	Brightness	Adjusts the contrast and brightness of the screen.
	Contrast	
	Sharpness	Adjusts the sharpness of the screen.
	SUPER RESOLUTION+	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.
		Off Select this option for everyday viewing. SUPER RESOLUTION+ is turned off in this mode.
	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.



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.

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.
	FreeSync 22MK4 series 24MK4 series 27MK4 series	Provides seamless and natural images by synchronizing the vertical frequency of the input signal with that of the output signal.  CAUTION - Supported Interface: HDMI. - 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	
		On	FreeSync function on.
		Off	FreeSync function off.
	Black Stabilizer	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/Green/Blue	You can customize the picture color using Red, Green, and Blue colors.	
Configuration Adjust (D-SUB only)	Horizontal	To move image left and right.	
	Vertical	To move image up and down.	
	Clock	To minimize any vertical bars or stripes visible on the screen background.The horizontal screen size will also change.	
	Phase	To adjust the focus of the display. This item allows you to remove any horizontal noise and clear or sharpen the image of characters.	
Resolution (D-SUB only)	User can set the desired resolution.This option is enabled only when the screen resolution on your computer is set to the following(D-SUB only).		
	 NOTE The function is enabled only when the screen resolution on your computer is set to the following, except that the PC output wrong resolution.		
	1024x768, 1280x768, 1360x768, 1366x768,Off		
	1280x960, 1600x900,Off 22MK4 series 24MK4 series 27MK4 series		
	1440x900, 1600x900,Off 22MK4 series 24MK4 series 27MK4 series		
Picture Reset	Do you want to reset your settings?		
	No	Cancel the select.	
	Yes	Returns to the default settings.	

Customizing settings

Settings > General		Description
Language		To choose the language in which the control names are displayed.
SMART ENERGY SAVING	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.
Automatic Standby		The monitor will automatically switch to standby mode after a certain period.
OSD Lock		Prevents incorrect key input.
	On	Key input is disabled.
	 NOTE All function except for the OSD Lock mode, brightness, Contrast, Input, Information and Volume are disabled.	
	Off	Key input is enabled.
Information		The display information will be shown the Model, Serial Number, Total Power On Time, 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 option of SMART ENERGY SAVING is High or Low, monitor luminance become higher or lower 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.
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 or black 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. - Check PC status.

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.
- Keep proper posture when using the monitor, otherwise the screen may not be optimized.

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 the display driver CD (or diskette) that comes with your display. Or, you can also download the driver from our website: 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?	22MK4 series 24MK4 series 27MK4 series If the selected resolution is HDMI 1080i 60/50 Hz, the screen may be flickering. Change the resolution to the recommended resolution 1080P.

SPECIFICATIONS

20MK4 series

LCD Screen	Type	TFT (Thin Film Transistor) LCD(Liquid Crystal Display) Screen
	Pixel Pitch	0.3177 mm x 0.307 mm
Resolution	Maximum Resolution	1366 x 768 @ 60Hz (HDMI) 1366 x 768 @ 60Hz (D-sub)
	Recommended Resolution	1366 x 768 @ 60Hz
Video Signal	Horizontal Frequency	30 kHz to 61 kHz
	Vertical Frequency	HDMI -PC: 56 Hz to 75 Hz -AV: 50 Hz to 61 Hz D-SUB: 56 Hz to 75 Hz
	Synchronization	Separate Sync, Digital.
Input Connector	HDMI IN, D-SUB IN, H/P OUT	
Power Input	19 V --- 0.8 A	
Power Consumption	On Mode : 13 W Typ. (Outgoing condition) * Sleep Mode ≤ 0.3 W Off Mode ≤ 0.3 W	
AC/DC adaptor	Type ADS-18SG-19-3 19016G, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-18FSG-19 19016GPG, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-18FSG-19 19016GPI, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-18FSG-19 19016GPCU, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-18FSG-19 19016GPB, manufactured by SHENZHEN HONOR ELECTRONIC or Type LCAP42, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP36-A, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP36-E, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP36-I, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP36-U, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type DA-16C19, manufactured by Asian Power Devices Inc. or Type WA-16D19FG, manufactured by Asian Power Devices Inc. or Type WA-16E19FA, manufactured by Asian Power Devices Inc. OUTPUT: 19 V --- 0.84 A	
Environmental conditions	Operating Temperature	0 °C to 40 °C
	Operating Humidity	Less than 80%
	Storage Temperature	-20 °C to 60 °C
	Storage Humidity	Less than 85 %
Dimension	Monitor Size (Width x Height x Depth)	
	With Stand	463.8 mm x 366.5 mm x 181.9 mm
	Without Stand	463.8 mm x 276.4 mm x 38.4 mm
Weight (Without Packaging)	With Stand	2.3 Kg
	Without Stand	2.0 Kg

Product specifications shown above may be changed without prior notice due to upgrade of product functions.

* 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).

SPECIFICATIONS

22MK4 series

LCD Screen	Type	TFT (Thin Film Transistor) LCD(Liquid Crystal Display) Screen
	Pixel Pitch	0.24795 mm x 0.24795 mm
Resolution	Maximum Resolution	1920 x 1080 @ 75 Hz (HDMI) 1920 x 1080 @ 60 Hz (D-sub)
	Recommended Resolution	1920 x 1080 @ 60 Hz
Video Signal	Horizontal Frequency	HDMI : 30 kHz to 85 kHz D-SUB: 30 kHz to 83 kHz
	Vertical Frequency	HDMI -PC: 56 Hz to 75 Hz -AV: 50 Hz to 61 Hz D-SUB: 56 Hz to 75 Hz
	Synchronization	Separate Sync, Digital.
Input Connector	HDMI IN, D-SUB IN, H/P OUT	
Power Input	19 V ---1.3 A	
Power Consumption	On Mode : 25 W Typ. (Outgoing condition) * Sleep Mode ≤ 0.3 W Off Mode ≤ 0.3 W	
AC/DC adaptor	Type ADS-40SG-19-3 19025G, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPG-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPBR-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPI-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPB-2, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSG-19 19025EPCU-1L, manufactured by SHENZHEN HONOR ELECTRONIC or Type LCAP21, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-A, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-E, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-I, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-B, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP51, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type WA-24C19FS, manufactured by Asian Power Devices Inc. or Type WA-24C19FU, manufactured by Asian Power Devices Inc. or Type WA-24C19FK, manufactured by Asian Power Devices Inc. or Type WA-24C19FB, manufactured by Asian Power Devices Inc. or Type WA-24C19FN, manufactured by Asian Power Devices Inc. or Type DA-24B19, manufactured by Asian Power Devices Inc. OUTPUT: 19 V --- 1.3 A	
Environmental conditions	Operating Temperature	0 °C to 40 °C
	Operating Humidity	Less than 80%
	Storage Temperature	-20 °C to 60 °C
	Storage Humidity	Less than 85 %
Dimension	Monitor Size (Width x Height x Depth)	
	With Stand	509.6 mm x 395.8 mm x 181.9 mm
	Without Stand	509.6 mm x 305.7 mm x 38.5 mm
Weight (Without Packaging)	With Stand	2.8 Kg
	Without Stand	2.5 Kg

Product specifications shown above may be changed without prior notice due to upgrade of product functions.

* 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).

SPECIFICATIONS

24MK4 series

LCD Screen	Type	TFT (Thin Film Transistor) LCD(Liquid Crystal Display) Screen
	Pixel Pitch	0.2745 mm x 0.2745 mm
Resolution	Maximum Resolution	1920 x 1080 @ 75 Hz (HDMI)
		1920 x 1080 @ 60 Hz (D-sub)
	Recommended Resolution	1920 x 1080 @ 60 Hz
Video Signal	Horizontal Frequency	HDMI : 30 kHz to 85 kHz D-SUB: 30 kHz to 83 kHz
	Vertical Frequency	HDMI -PC: 56 Hz to 75 Hz -AV: 50 Hz to 61 Hz D-SUB: 56 Hz to 75 Hz
	Synchronization	Separate Sync, Digital.
Input Connector	HDMI IN, D-SUB IN, H/P OUT	
Power Input	19 V ---1.3 A	
Power Consumption	On Mode : 26 W Typ. (Outgoing condition) * Sleep Mode ≤ 0.3 W Off Mode ≤ 0.3 W	
AC/DC adaptor	Type ADS-40SG-19-3 19025G, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPG-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPBR-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPI-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPB-2, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSG-19 19025EPCU-1L, manufactured by SHENZHEN HONOR ELECTRONIC or Type LCAP21, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-A, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-E, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-I, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-B, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP51, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type WA-24C19FS, manufactured by Asian Power Devices Inc. or Type WA-24C19FU, manufactured by Asian Power Devices Inc. or Type WA-24C19FK, manufactured by Asian Power Devices Inc. or Type WA-24C19FB, manufactured by Asian Power Devices Inc. or Type WA-24C19FN, manufactured by Asian Power Devices Inc. or Type DA-24B19, manufactured by Asian Power Devices Inc.	
	OUTPUT: 19 V --- 1.3 A	
Environmental conditions	Operating Temperature	0 °C to 40 °C
	Operating Humidity	Less than 80%
	Storage Temperature	-20 °C to 60 °C
	Storage Humidity	Less than 85 %
Dimension	Monitor Size (Width x Height x Depth)	
	With Stand	555 mm x 421 mm x 181.9 mm
	Without Stand	555 mm x 330.9 mm x 38.4 mm
Weight (Without Packaging)	With Stand	3.1 kg
	Without Stand	2.8 kg

Product specifications shown above may be changed without prior notice due to upgrade of product functions.

* 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).

SPECIFICATIONS

27MK4 series

LCD Screen	Type	TFT (Thin Film Transistor) LCD(Liquid Crystal Display) Screen
	Pixel Pitch	0.31125 mm x 0.31125 mm
Resolution	Maximum Resolution	1920 x 1080 @ 75 Hz (HDMI) 1920 x 1080 @ 60 Hz (D-sub)
	Recommended Resolution	1920 x 1080 @ 60 Hz
Video Signal	Horizontal Frequency	HDMI : 30 kHz to 85 kHz D-SUB: 30 kHz to 83 kHz
	Vertical Frequency	HDMI -PC: 56 Hz to 75 Hz -AV: 50 Hz to 61 Hz D-SUB: 56 Hz to 75 Hz
	Synchronization	Separate Sync, Digital.
Input Connector	HDMI IN, D-SUB IN, H/P OUT	
Power Input	19 V ---1.3 A	
Power Consumption	On Mode : 16.8 W Typ. (ENERGY STAR® standard)* 23 W Typ. (Outgoing condition)** Sleep Mode ≤ 0.3 W Off Mode ≤ 0.3 W	
AC/DC adaptor	Type ADS-40SG-19-3 19025G, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPG-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPBR-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPI-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPB-2, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSG-19 19025EPCU-1L, manufactured by SHENZHEN HONOR ELECTRONIC or Type LCAP21, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-A, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-E, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-I, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-B, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP51, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type WA-24C19FS, manufactured by Asian Power Devices Inc. or Type WA-24C19FU, manufactured by Asian Power Devices Inc. or Type WA-24C19FK, manufactured by Asian Power Devices Inc. or Type WA-24C19FB, manufactured by Asian Power Devices Inc. or Type WA-24C19FN, manufactured by Asian Power Devices Inc. or Type DA-24B19, manufactured by Asian Power Devices Inc. OUTPUT: 19 V --- 1.3 A	
Environmental conditions	Operating Temperature	0 °C to 40 °C
	Operating Humidity	Less than 80%
	Storage Temperature	-20 °C to 60 °C
	Storage Humidity	Less than 85 %
Dimension	Monitor Size (Width x Height x Depth)	
	With Stand	625.6 mm x 468.7 mm x 204.1 mm
	Without Stand	625.6 mm x 375.2 mm x 44 mm
Weight (Without Packaging)	With Stand	4.6 kg
	Without Stand	4.2 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.

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

Preset Modes (Resolution)

D-SUB / HDMI PC Timing

20MK4 series

Display Modes (Resolution)	Horizontal Frequency(kHz)	Vertical Frequency(Hz)	Polarity(H/V)	
720 x 400	31.468	70.08	-/+	
640 x 480	31.469	59.94	-/-	
640 x 480	37.5	75	-/-	
800 x 600	37.879	60.317	+/+	
800 x 600	46.875	75	+/+	
1024 x 768	48.363	60	-/-	
1366 x 768	47.712	59.79	+/+	Recommend Mode

D-SUB PC Timing

22MK4 series 24MK4 series 27MK4 series

Display Modes (Resolution)	Horizontal Frequency(kHz)	Vertical Frequency(Hz)	Polarity(H/V)	
720 x 400	31.468	70.08	-/+	
640 x 480	31.469	59.94	-/-	
640 x 480	37.5	75	-/-	
800 x 600	37.879	60.317	+/+	
800 x 600	46.875	75	+/+	
1024 x 768	48.363	60	-/-	
1024 x 768	60.023	75.029	+/+	
1152 x 864	67.500	75	+/+	
1280 x 1024	63.981	60.023	+/+	
1280 x 1024	79.976	75.035	+/+	
1680 x 1050	65.290	59.954	-/+	
1920 x 1080	67.500	60	+/+	Recommend Mode

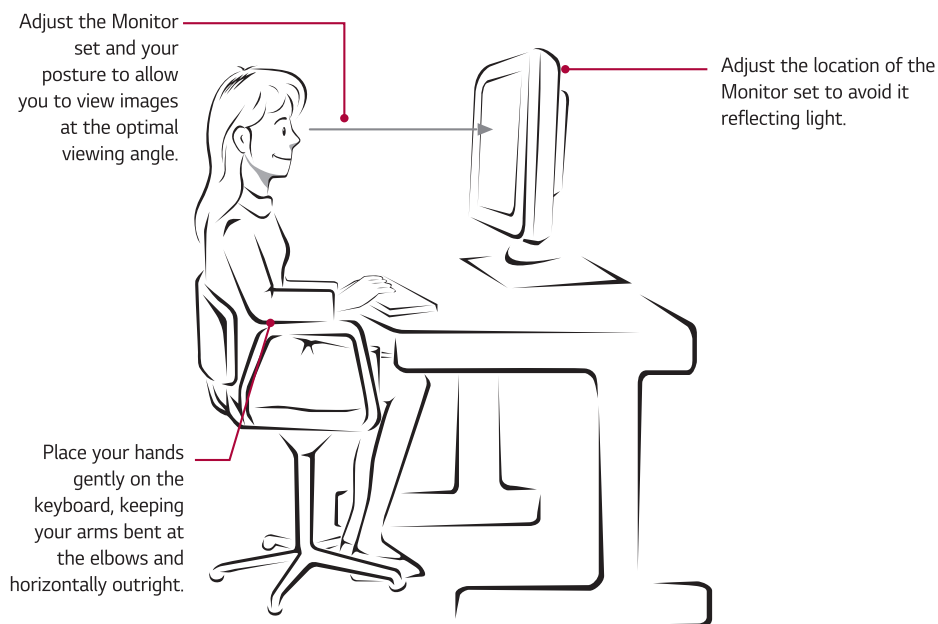
HDMI PC Timing

22MK4 series 24MK4 series 27MK4 series

Display Modes (Resolution)	Horizontal Frequency(kHz)	Vertical Frequency(Hz)	Polarity(H/V)	
720 x 400	31.468	70.08	-/+	
640 x 480	31.469	59.94	-/-	
640 x 480	37.5	75	-/-	
800 x 600	37.879	60.317	+/+	
800 x 600	46.875	75	+/+	
1024 x 768	48.363	60	-/-	
1024 x 768	60.023	75.029	+/+	
1152 x 864	67.500	75	+/+	

PROPER POSTURE

Proper posture for using the Monitor set.



1280 x 1024	63.981	60.023	+/+	
1280 x 1024	79.976	75.035	+/+	
1680 x 1050	65.290	59.954	-/+	
1920 x 1080	67.500	60	+/+	Recommend Mode
1920 x 1080	83.89	74.97	+/+	

HDMI AV Timing

20MK4 series

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

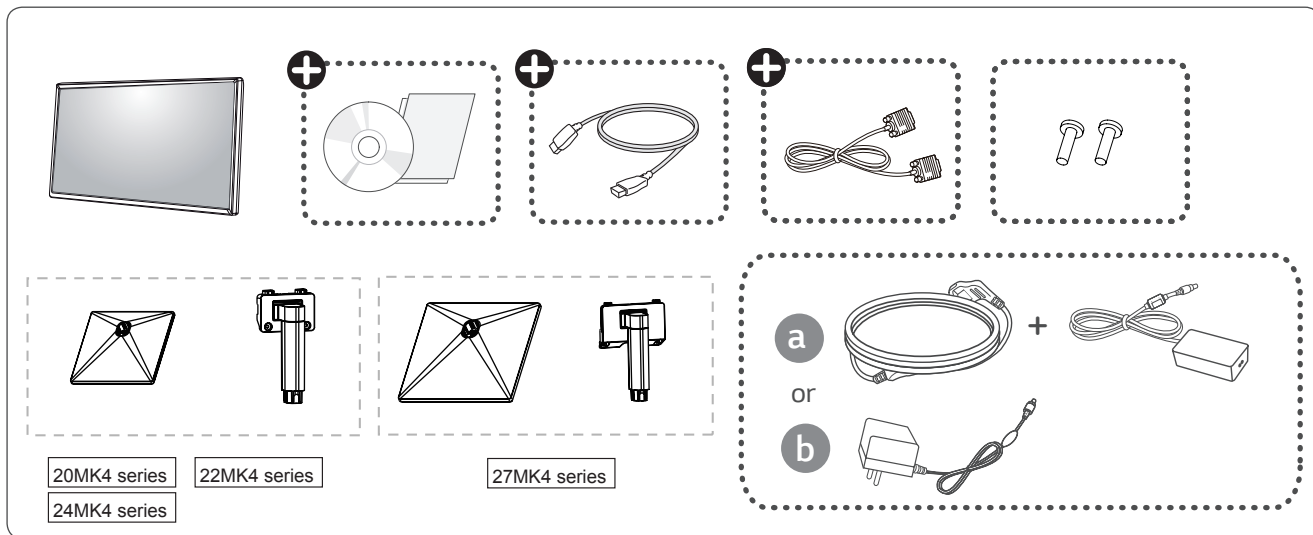
22MK4 series 24MK4 series 27MK4 series

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

Quick Start Guide

LED LCD Monitor (LED Monitor)

MK4 series



www.lg.com



English Read **Owner's Manual**.



English

It is recommend that use the supplied components.



English Depending on country

Image may vary depending on model.

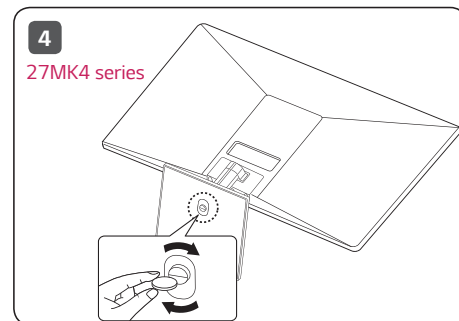
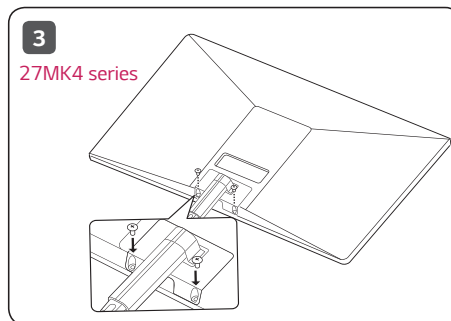
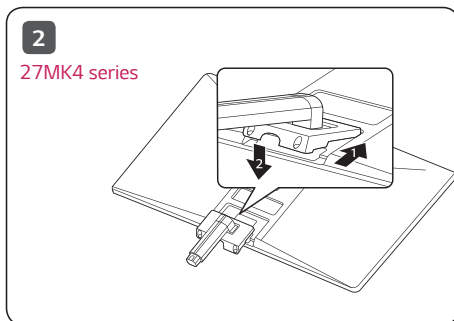
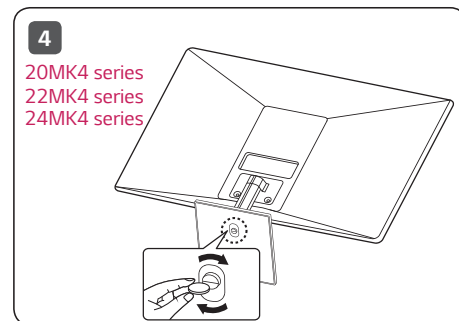
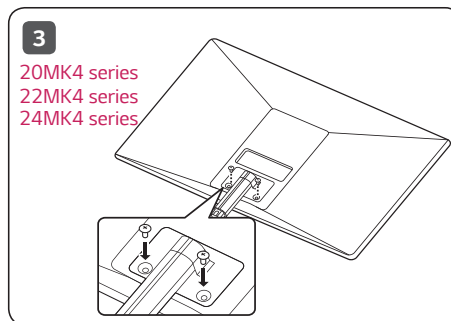
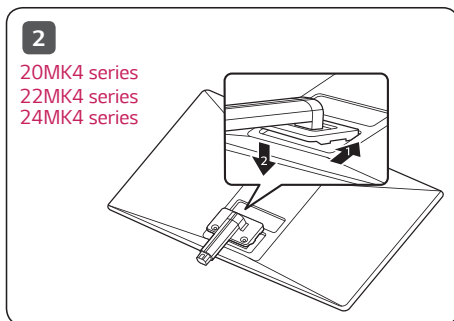
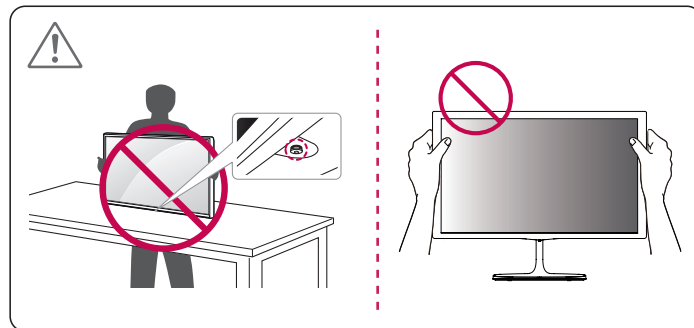
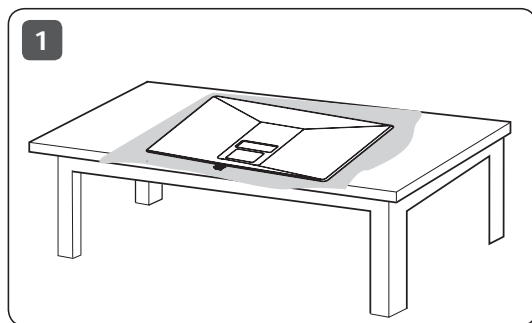
Unpacking

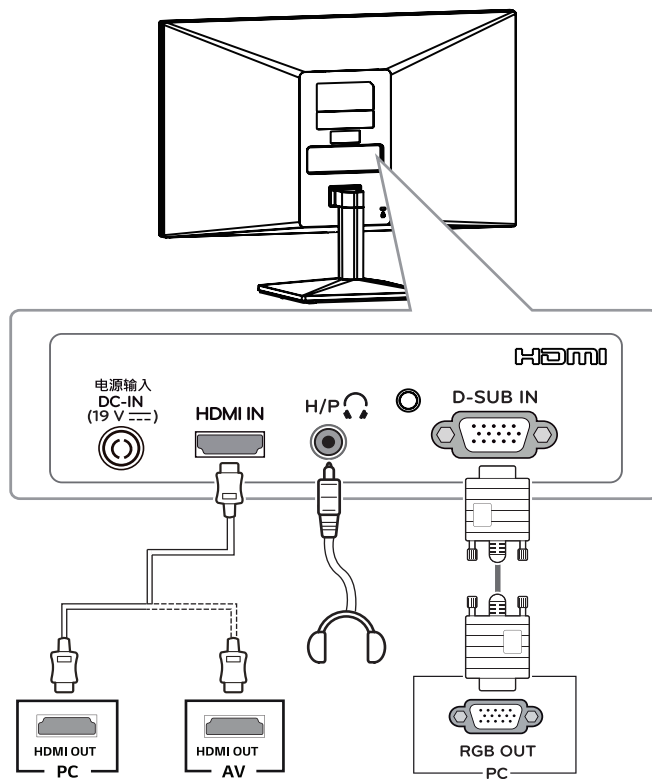
Check your product box for the following items. If there are any missing accessories, contact the local dealer where you purchased your product. The illustrations in this manual may differ from the actual product and item.

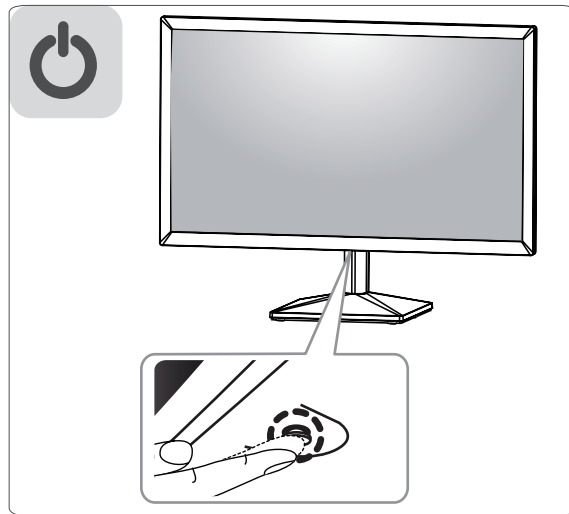
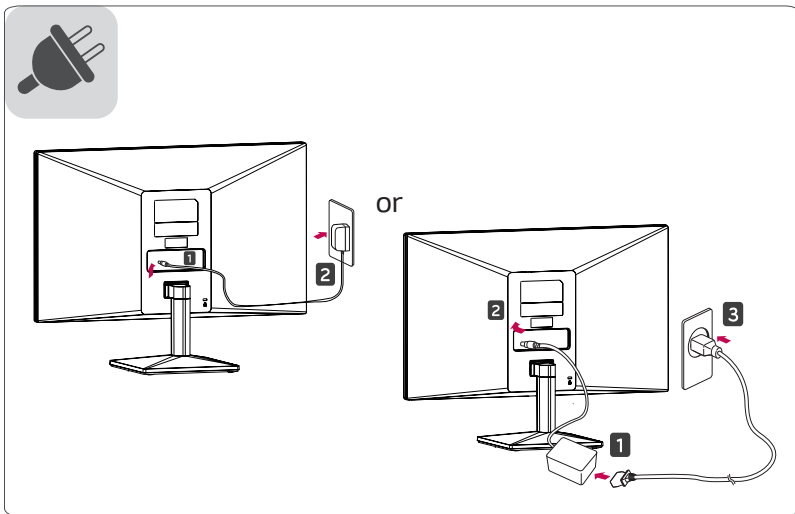


MBM66205788

P/No: MBM66205787 (1802-REV00)







- Image may vary depending on models.

SOFTWARE GUIDE (Windows, Mac)

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

GUIDES ON USING PRODUCT FUNCTIONS (WINDOWS)

- For information on the drivers and software supported by the model, see the owner's manual.
- Image shown may differ from the product that you are using.

Windows Software

Monitor Driver

- Installation priority : Recommended
- Usage : The resolution and frequency are adjusted for the monitor.

ASM Driver

(Applies only to models supporting Thunderbolt (⚡))

- Installation priority : Required
- Usage : Driver file used when transferring data via Thunderbolt (⚡) port in Windows OS.

How to Install

- Installing with the CD provided.
: Insert the user manual CD provided in the product box into the PC's CD drive and install the driver program.
- Downloading from the LG Electronics website.
: www.lg.com

OnScreen Control

- Installation priority : Recommended
- Usage : Software provided so that the key features of your monitor can be operated in the PC environment, including spilt screen and the setting of picture modes for each software program.

How to Install

- Installing with the CD provided.
: Insert the manual CD provided in the product box into the PC's CD drive and install the OnScreen Control.
- Downloading from the LG Electronics website.
: www.lg.com

How to Run

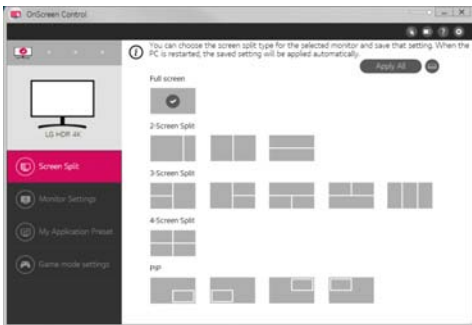
- 1 Connect an LG monitor that supports OnScreen Control to the PC.
 - 2 Run OnScreen Control.
- ① Double-click the shortcut icon on the desktop.
 - ② Click the tray icon in the bottom right corner of your PC screen. Click **Start Program**.



How to Use

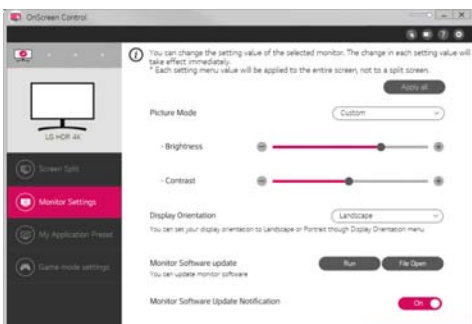
ScreenSplit

- You can easily arrange multiple windows by using the split screen layout provided.



Monitor Settings

- You can control the basic features on the settings menu, such as **Brightness**, **Contrast**, orientation and **Picture Mode** for maximum convenience.

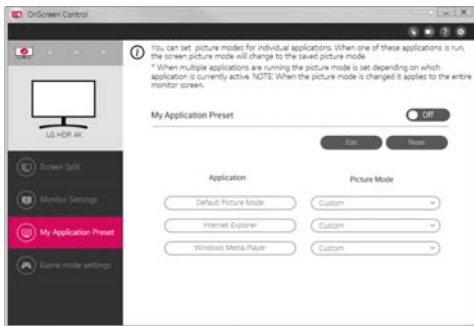


! NOTE

Firmware updates are available in the Monitor Settings Menu when connecting the monitor firmware update feature supported model. For firmware update, the USB cable (USB type C to A) must be connected to the PC.

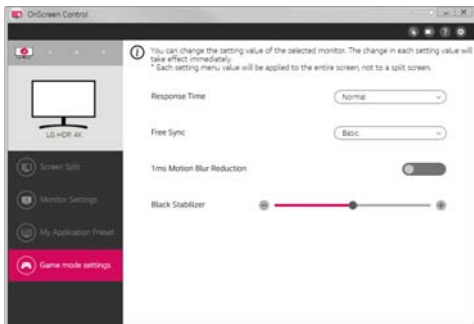
• My Application Preset

- **My Application Preset** allows you to preset the appropriate picture mode for each individual software program installed on your PC. When you run an application for which you have already chosen a picture mode in **My Application Preset**, your monitor changes to the preset picture mode.



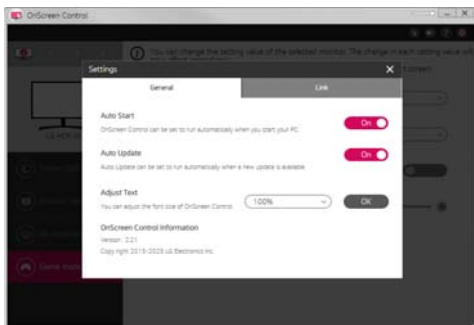
• Game Mode Settings

- This mode will be only shown with the monitor which supports Gaming features. It shows the mode optimized for games from the modes available on the display hardware so that you can select the one that suits you best.



• Settings

- You can configure the settings for OnScreen Control.



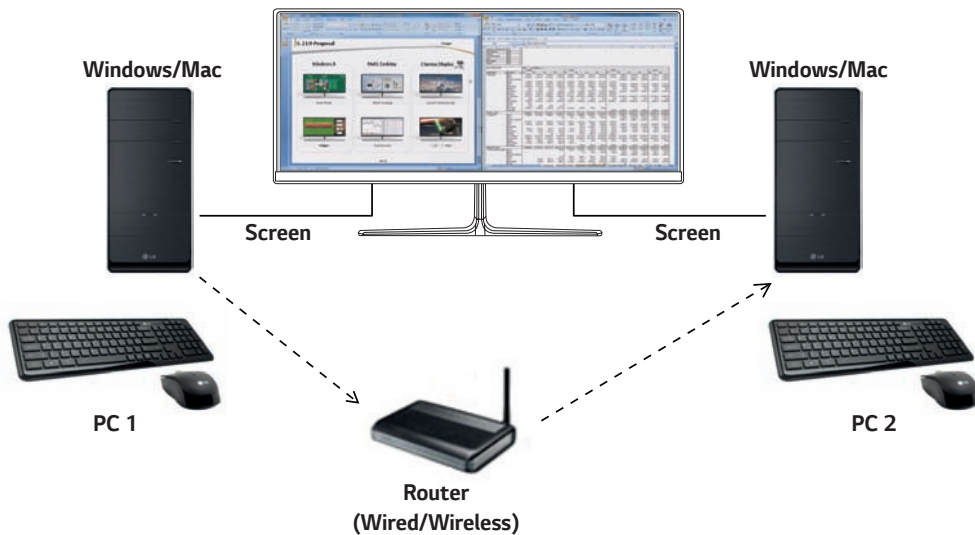
! NOTE

Supported features can be different by model.

Dual Controller (Keyboard/Mouse Sharing Software)

(Applies only to models supporting Dual Controller)

- Installation priority : Optional
- Usage : Sharing a keyboard and mouse between PCs connected to the same network; transferring files (providing compatibility between Windows and Mac OS)



How to Install

Downloading from the LG Electronics website.

: www.lg.com

How to Run

- 1 Connect your PC to a network.
 - 2 Connect an LG monitor that supports Dual Controller to the PC.
 - 3 Run Dual Controller.
- ① Double-click the shortcut icon on the desktop.
 - ② Click the tray icon on the bottom right of the PC screen and then click **Open Dual Controller**.



How to Use

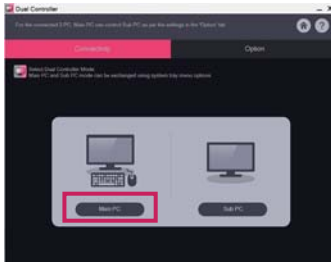
1 Check your network connection.

Make sure that the PCs you want to control through keyboard/mouse sharing are connected to the same LAN via a router.

- An LG monitor that supports Dual Controller must be connected to the PC that will be run in Main PC mode.
- Only one user on a network can use Dual Controller. Dual Controller can also be used in office environments. However, it is recommended to have only one user.
- Dual Controller may not work properly when playing games.

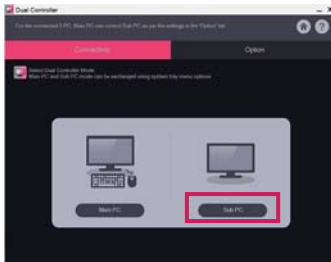
2 Run Dual Controller on the PC running in Main PC mode.

: Click the **Main PC** button on the PC whose keyboard and mouse will be shared.



3 Run Dual Controller on a Sub PC in Sub PC mode.

: Click the **Sub PC** button on the PC you want to control.



4 Click the **Apply Dual Controller** button on the Main PC.

: The Sub PC is automatically searched for on the Main PC mode screen. Click the **Apply Dual Controller** button on the Main PC mode screen.



- When you move the mouse cursor from the screen of the Main PC to the screen of the Sub PC, you can use the Main PC's keyboard and mouse on the Sub PC.
- You can set the positions of the Main PC and the Sub PC, to **Left/Right** or **Right/Left**, in **PC Position Control** in Dual Controller's **Option** tab.
- We recommend that you set the Sub PC so that its screen is only displayed on a monitor.
- If there is an active Internet connection, Dual Controller automatically updates to the latest version when started.
- Dual Controller may not be available on certain websites and networks depending on the security policy.

True Color Pro (Monitor Color Calibration Software)

(Applies only to models supporting True Color Pro)

- Installation priority : Optional
- Usage : Calibrates the monitor's color output using the hardware calibration function.
- A separate calibrator is required.
 - Applicable calibrators : LG Calibrator, Spyder3, Spyder4, Spyder5, i1Display Pro, ColorMunki Photo/Design, and i1Pro2
- True Color Pro may not support PBP mode.
- Daisy-chain is not supported.
- It is recommended to perform calibration after disabling the dual monitor function.

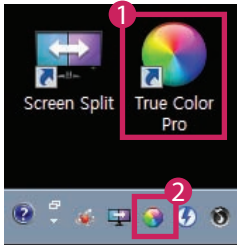
How to Install

Downloading from the LG Electronics website.

: www.lg.com

How to Run

- 1 Connect the monitor to the PC using the USB cable.
 - 2 Connect the calibrator to the USB IN port of the PC or the monitor.
 - 3 Start the True Color Pro program.
- ① Double-click on the icon on the desktop.
 - ② Click the tray icon in the bottom right corner of your PC screen. Click **Start Program**.



How to Use

- For details on using the software, refer to the program's **Help**.



True Color Pro launch screen.



Calibration start screen.

GUIDES ON USING PRODUCT FUNCTIONS (MAC)

For information on the drivers and software supported by the model, see the owner's manual.
Image shown may differ from the product that you are using.

Mac Software

OnScreen Control

Installation priority : Recommended

Usage : Software provided so that the key features of your monitor can be operated in the PC environment, including spilt screen and the setting of picture modes for each software program.

How to Install

Installing with the CD provided.

: Insert the manual CD provided in the product box into the PC's CD drive and install the OnScreen Control.

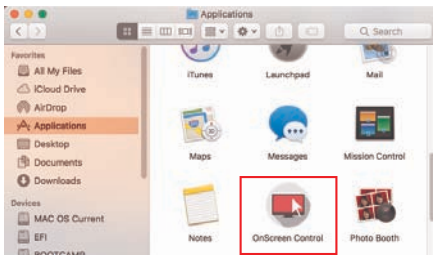
Downloading from the LG Electronics website.

: www.lg.com

How to Run

- 1 Connect an LG monitor that supports OnScreen Control to the PC.
- 2 Run OnScreen Control.

1 Finder Applications Run OnScreen Control



- 2 Click the OnScreen Control icon on the menu bar and then click **Start Program**.



- 3 Search for **OnScreen Control** in Spotlight search.

How to Use

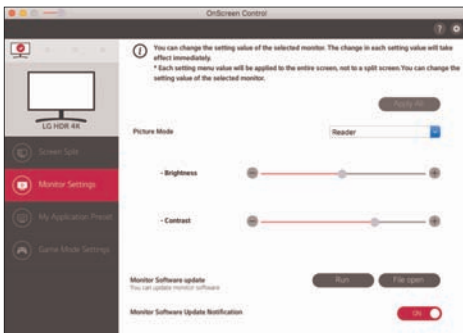
ScreenSplit

- You can easily arrange multiple windows by using the split screen layout provided.



Monitor Settings

- You can control the basic features on the settings menu, such as **Brightness**, **Contrast** and **Picture Mode** for maximum convenience.

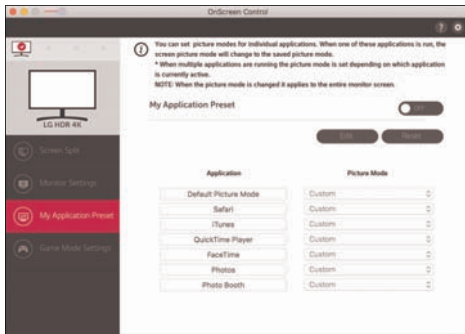


! NOTE

Firmware updates are available in the Monitor Settings Menu when connecting the monitor firmware update feature supported model. For firmware update, the USB cable (USB type C to A) must be connected to the PC.

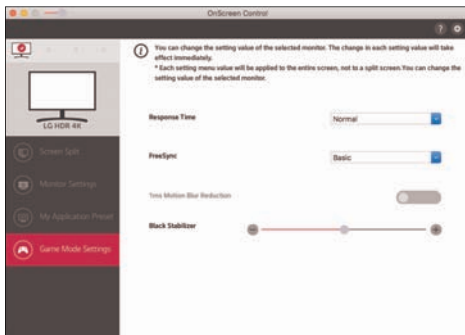
My Application Preset

- **My Application Preset** allows you to preset the appropriate picture mode for each individual software program installed on your PC. When you run an application for which you have already chosen a picture mode in **My Application Preset**, your monitor changes to the preset picture mode.



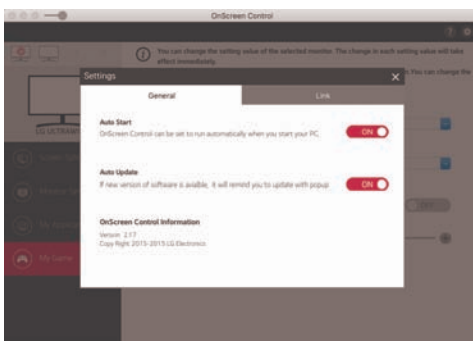
Game Mode Settings

- This mode will be only shown with the monitor which supports Gaming features. It shows the mode optimized for games from the modes available on the display hardware so that you can select the one that suits you best.



Settings

- You can configure the settings for OnScreen Control.



! NOTE

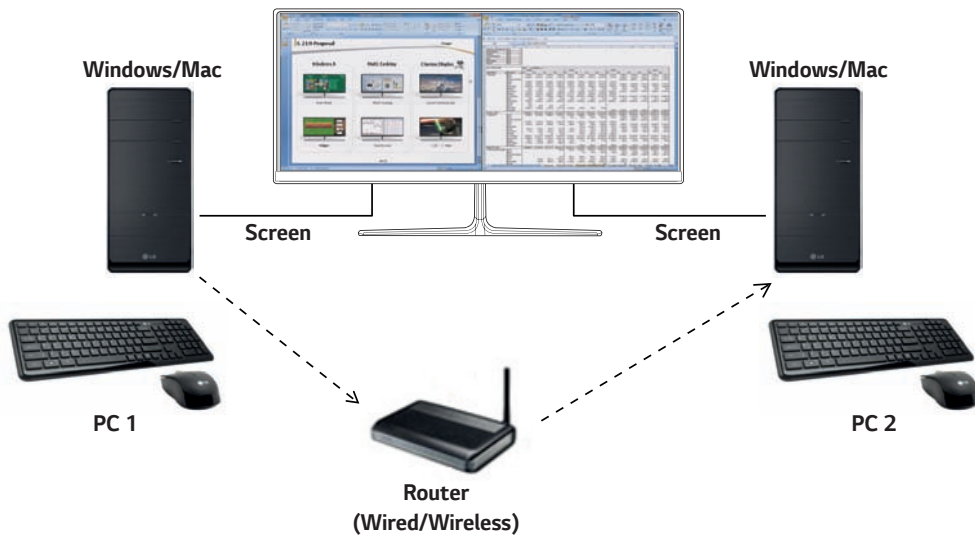
Supported features can be different by model.

Dual Controller (Keyboard/Mouse Sharing Software)

(Applies only to models supporting Dual Controller)

Installation priority : Optional

Usage : Sharing a mouse and a keyboard between PCs connected to the same network; transferring files (providing compatibility between Windows and Mac OS)



How to Install

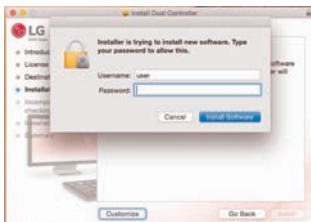
Downloading from the LG Electronics website.

: www.lg.com

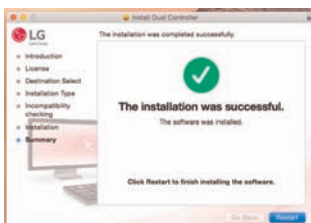
- 1 When the installation program starts, click on **Continue**. During the installation, you have to accept the license agreement.



- 2 Enter the Admin User password and click on **Install Software**.



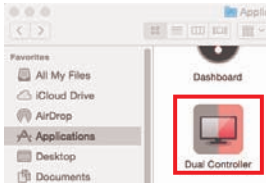
- 3 Click on **Restart** to finish the installation.



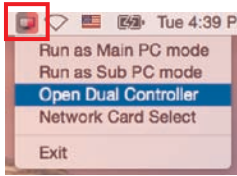
How to Run

- 1 Connect your PC to a network.
- 2 Connect an LG monitor that supports Dual Controller to the PC.
- 3 Run Dual Controller.

① **Finder** **Applications** Run **Dual Controller**



② Click the Dual Controller icon on the menu bar and then click **Open Dual Controller**.



③ Search for **Dual Controller** in Spotlight.



How to Use

Instructions for running Dual Controller for Mac are the same as Dual Controller for Windows. See the instructions for Dual Controller for Windows.

- The PC whose keyboard and mouse will be shared must be run in Main PC mode.
- An LG monitor that supports Dual Controller must be connected to the PC that will be run in Main PC mode.
- The PC that you want to control with Dual Controller must be run in Sub PC mode.
- Only one user on a network can use Dual Controller.
- Dual Controller may not work properly when playing games.
- We recommend that you set the Sub PC so that its screen is only displayed on a monitor.
- If there is an active Internet connection, Dual Controller automatically updates to the latest version when started.
- Dual Controller may not be available on certain websites and networks depending on the security policy.

True Color Pro (Monitor Color Calibration Software)

(Applies only to models supporting True Color Pro)

- Installation priority : Optional
- Usage: Calibrates the monitor's color output using the hardware calibration function.
- A separate calibrator is required.
 - Applicable calibrators : LG Calibrator, Spyder3, Spyder4, Spyder5, i1Display Pro, and ColorMunki Photo/Design, and i1Pro2
- True Color Pro may not support PBP mode.
- Daisy-chain is not supported.
- It is recommended to perform calibration after disabling the dual monitor function.

How to Install

Downloading from the LG Electronics website.

: www.lg.com

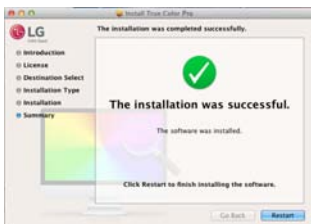
- 1 When the installation program starts, click on **Continue**. During the installation, you have to accept the license agreement.



- 2 Enter the Super User password and click on **Install Software**.



- 3 Click on **Restart** to finish the installation.



How to Run

- 1 Connect the monitor to the PC using the USB cable.
- 2 Connect the calibrator to the USB IN port of the PC or the monitor.
- 3 Start the True Color Pro program.

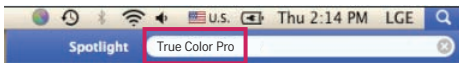
① **Finder Applications** Run **True Color Pro**



- ② Click on the True Color Pro icon on the menu bar and click on **Start Program**.



- ③ Search for **True Color Pro** in Spotlight search.



How to Use

For details on using the software, refer to the program's **Help**.



True Color Pro launch screen.



Calibration start screen.



IMPORTANT PRECAUTIONS

This unit has been engineered and manufactured to ensure your personal safety, however improper use may result in potential electrical shock or fire hazards. In order to allow the proper operation of all safeguards incorporated in this display, observe the following basic rules for its installation, use, and servicing.

On Safety

Use only the power cord supplied with the unit. In case you use another power cord, make sure that it is certified by the applicable national standards if not being provided by the supplier. If the power cable is faulty in any way, please contact the manufacturer or the nearest authorized repair service provider for a replacement.

The appliance coupler is used as the disconnect device.

Please make sure the device is installed near the wall outlet to which it is connected and that the outlet is easily accessible.

Operate the display only from a power source indicated in the specifications of this manual or listed on the display. If you are not sure what type of power supply you have in your home, consult with your dealer.

Overloaded AC outlets and extension cords are dangerous. So are frayed power cords and broken plugs. They may result in a shock or fire hazard. Call your service technician for replacement.

As long as this unit is connected to the AC wall outlet, it is not disconnected from the AC power source even if the unit is turned off.

Do not Open the Display:

- There are no user serviceable components inside.
- There are Dangerous High Voltages inside, even when the power is OFF.
- Contact your dealer if the display is not operating properly.

To Avoid Personal Injury :

- Do not place the display on a sloping shelf unless properly secured.
- Use only a stand recommended by the manufacturer.
- Do not drop an object on or apply impact to the product. Do not throw any toys or objects on the product screen.

It can cause injury to human, problem to product and damage the display.

To Prevent Fire or Hazards:

- Always turn the display OFF if you leave the room for more than a short period of time. Never leave the display ON when leaving the house.
- Keep children from dropping or pushing objects into the display's cabinet openings. Some internal parts carry hazardous voltages.
- Do not add accessories that have not been designed for this display.
- When the display is to be left unattended for an extended period of time, unplug it from the wall outlet.
- In the presence of thunder and lightning, never touch the power cord and signal cable because it can be very dangerous. It can cause electric shock.

On Installation

Do not allow anything to rest upon or roll over the power cord, and do not place the display where the power cord is subject to damage.

Do not use this display near water such as near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

Displays are provided with ventilation openings in the cabinet to allow the release of heat generated during operation. If these openings are blocked, built-up heat can cause failures which may result in a fire hazard.

Therefore, NEVER:

- Block the bottom ventilation slots by placing the display on a bed, sofa, rug, etc.
- Place the display in a built-in enclosure unless proper ventilation is provided.
- Cover the openings with cloth or other material.
- Place the display near or over a radiator or heat source.

Do not rub or strike the Active Matrix LCD with anything hard as this may scratch, mar, or damage the Active Matrix LCD permanently.

Do not press the LCD screen with your finger for a long time as this may cause some afterimages.

Some dot defects may appear as Red, Green or Blue spots on the screen.

However, this will have no impact or effect on the display performance.

If possible, use the recommended resolution to obtain the best image quality for your LCD display. If used under any mode except the recommended resolution, some scaled or processed images may appear on the screen. However, this is characteristic of the fixed-resolution LCD panel.

Displaying a still image for long time on the monitor may leave persistent image or stain on the monitor screen. To avoid this problem, use a screen saver and power off when this product is not used. Persistent image or stain caused by long time usage are not covered by the warranty on this product.

Do not shock or scratch the front and sides of the screen with metallic objects.

Otherwise, it may cause damage to the screen.

Make sure the panel faces forward and hold it with both hands to move. If you drop the product, the damaged product can cause electric shock or fire. Contact an authorized the service center for repair.

Avoid high temperatures and humidity.

Do not install this product on a wall if it could be exposed to oil or oil mist.

- This may damage the product and cause it to fall.

For displays with glossy bezels the user should consider the placement of the display as the bezel may cause disturbing reflections from surrounding light and bright surfaces.

Do not use products using high voltage around the Monitor. (ex. Electrical Swatter)

- Monitor may have malfunction as its electrical shock.

Precautions to the AC Adapter and Power

If water or any foreign substance goes inside the product (TV, monitor, power cord, or AC adapter), disconnect the power cord immediately and contact the service center.

- Otherwise, this may cause a fire or electric shock due to damage to the product.

Do not touch the power plug or AC adapter with wet hands. If the pins of the plug are wet or dusty, wipe and dry them before use.

- Otherwise, this may cause a fire or electric shock.

Make sure to completely insert the power cord into the AC adapter.

- If loosely connected, the poor connection may cause a fire or electric shock.

Be sure to use power cords and AC adapters provided or approved by LG Electronics, Inc.

- The use of non-approved products may cause a fire or electric shock.

When unplugging the power cord, always pull it by the plug. Do not bend the power cord with excessive force.

- The power line can be damaged, which may cause electric shock or fire.

Be careful not to step or place heavy objects (electronic appliances, clothing, etc.) on the power cord or AC adapter. Be careful not to damage the power cord or AC adapter with sharp objects.

- Damaged power cords may cause a fire or electric shock.

Never disassemble, repair or modify the power cord or AC adapter.

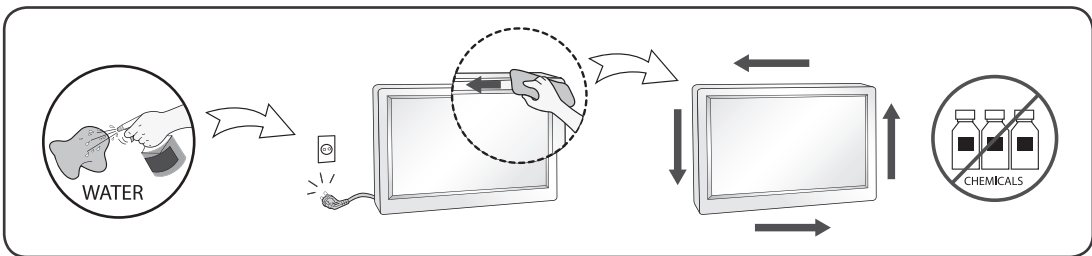
- This may cause a fire or electric shock.

Be sure to keep the outlet, AC adapter, and pins of the power plug clean from dust and etc.

- This may cause a fire.

On Cleaning

- Unplug the display before cleaning the face of the display screen.
- Use a slightly damp (not wet) cloth. Do not use an aerosol directly on the display screen because over-spraying may cause electrical shock.
- When cleaning the product, unplug the power cord and scrub gently with a soft cloth to prevent scratching. Do not clean with a wet cloth or spray water or other liquids directly onto the product. An electric shock may occur. (Do not use chemicals such as benzene, paint thinners or alcohol)
- Spray water onto a soft cloth 2 to 4 times, and use it to clean the front frame; wipe in one direction only. Too much moisture may cause staining.



On Repacking

- Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit to another location, repack it in its original material.

On Disposal(Only, LCD Monitor with Hg lamp)

- The fluorescent lamp used in this product contains a small amount of mercury.
- Do not dispose of this product with general household waste.
- Disposal of this product must be carried out in accordance to the regulations of your local authority.

ENGLISH

DDC (Display Data Channel)

DDC is a communication channel over which the monitor automatically informs the host system (PC) about its capabilities.

DDC protocol

① DDC1/DDC2B

An uni-directional communication channel.

② DDC 2AB/DDC2B+/DDC2Bi

A bi-directional communication channel.

Note

- PC must support DDC functions to do this.

E-DDC (Enhanced DDC)

A protocol based on I²C and used on a bi-directional data channel between the display and host. This protocol accesses devices at I²C address of A0/A1 as well as the address 60.

The 60 address is used as a segment register to allow larger amounts of data to be retrieved than is possible using DDC2B protocols. The protocol is compatible with DDC2B protocols.

ENGLISH

Energy Saving Design

This program is designed to have computer equipment manufacturers build circuitry into their products to reduce power consumption when it is not in operation.

When this monitor is used with a PC on which a screen blanking software complying with the VESA Display Power Management Signalling (DPMS) Protocol is installed, it can conserve significant energy by reducing power consumption when it is not in operation.

There are 2 signal lines, 3 modes of operation.
: On Mode, Sleep Mode, Off Mode.

Mode	Definition
On mode	The normal operation. When the monitor is on mode, being connected to a power source, it displays an image.
Sleep Mode	The reduced power state. returns to on mode when the user moves the mouse or presses a key on the keyboard.
Off Mode	The lowest power consumption state. returns to on mode when the user pushes a power switch.

Note

- *The energy saving Design monitors only work while connected to the computers that have energy saving features.*

ENGLISH

Service

Unplug the monitor from the wall outlet and refer servicing to qualified service personnel when :

- The power cord or plug is damaged or frayed.
- Liquid has been spilled into the monitor.
- The monitor has been exposed to rain or water.
- The monitor does not operate normally following the operating instructions. Adjust only those controls that are covered in the operating instructions. An improper adjustment of other controls may result in damage and often requires extensive work by a qualified technician to restore the monitor to normal operation.
- The monitor has been dropped or the cabinet has been damaged.
- The monitor exhibits a distinct change in performance.
- Snapping or popping from the monitor is continuous or frequent while the monitor is operating. It is normal for some monitors to make occasional sounds when being turned on or off, or when changing video modes.

Do not attempt to service the monitor yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

REGULATORY INFORMATION

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

FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply within the limits of a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception (which can be determined by turning the equipment on and off), the user is encouraged to try to correct the interference by using one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications in construction of this device are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

INFORMATION FOR ENVIRONMENTAL PRESERVATION

English

Information for Environmental Preservation

LGE. announced the 'LG Declaration for a Cleaner Environment' in 1994, and this ideal has served as a guiding managerial principle ever since. The Declaration is a foundation that has allowed us to undertake environmentally friendly activities in careful consideration of economic, environmental, and social aspects.

We promote activities for environmental preservation, and we specifically develop our products to embrace the concept of environment-friendly.

We minimize the hazardous materials contained in our products. For example, there is no cadmium to be found in our product.

Information for recycling

This product may contain parts which could be hazardous to the environment. It is important that this product be recycled after use.

LGE. handles all waste product through an environmentally acceptable recycling method. There are several take-back and recycling systems currently in operation worldwide. Many parts will be reused and recycled, while harmful substances and heavy metals are treated by an environmentally friendly method.

If you want to find out more information about our recycling program, please contact your local LG vendor or a corporate representative of LG.

We set our vision and policies on a cleaner world by selecting the issue of the global environment as a task for corporate improvement. Please visit our website for more

information about our 'green' policies.

<http://www.lg.com/global/sustainability/environment/take-back-recycling.jsp>

EPEAT



"EPEAT registered where applicable/supported. EPEAT registration varies by country - see www.epeat.net for registration status by country."

WEEE



ENGLISH

Disposal of your old appliance

- 1 This crossed-out wheeled bin symbol indicates that waste electrical and electronic products (WEEE) should be disposed of separately from the municipal waste stream.
- 2 Old electrical products can contain hazardous substances so correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health. Your old appliance may contain reusable parts that could be used to repair other products, and other valuable materials that can be recycled to conserve limited resources.
- 3 You can take your appliance either to the shop where you purchased the product, or contact your local government waste office for details of your nearest authorised WEEE collection point. For the most up to date information for your country please see www.lg.com/global/recycling

INDIA ONLY**Disposal of your old appliance (as per e-waste Rules)**

1. When this crossed out wheeled bin symbol is depicted on the product and its operator's manual, it means the product is covered by the e-waste Management and Handling Rules, 2011 and are meant to be recycled, dismantled, refurbished or disposed off.
2. **Do's :**
 - a. The product is required to be handed over only to the authorized recycler for disposal.
 - b. Keep the product in isolated area, after it becomes non-functional/unrepairable so as to prevent its accidental breakage.
- Don't :**
 - a. The product should not be opened by the user himself/herself, but only by authorized service personnel.
 - b. The product is not meant for re-sale to any unauthorized agencies/scrap dealer/kabariwalah.
 - c. The product is not meant for mixing into household waste stream.
 - d. Do not keep any replaced spare part(s) from the product in exposed area.
3. Any disposal through unauthorized agencies/person will attract action under Environment (Protection) Act 1986.
4. "This product is complied with the requirement of Hazardous Substances as specified under Rule 13 (1) & (2) of the E-Waste(Management & Handling) Rules, 2011".
5. To locate a nearest collection centre or call for pick-up (limited area only) for disposal of this appliance, please contact Toll Free No. **1800-315-9999 / 1800-180-9999** for details. All collection centre and pick up facilities are done by third parties with **LG Electronics India Pvt. Ltd.** Merely as a facilitator.
For more detailed information, please visit : <http://www.lge.com/in>.

पर्यावरणीय जानकारी

अपने पुराने निपटान के उपकरण (ई-अपशिष्ट नियम के अनुसार)



1. जब इस काटे गए पहिये वाले बिन का चिन्ह किसी उपकरण और इसके ओपरेटर की पुस्तिका के साथ संलग्न होता है तो इसका मतलब है कि इसे "ई- अपशिष्ट "(प्रबंधन और हथालन) नियम २०११ के अंतर्गत सम्मिलित किया गया है , और इसे नवीनीकरणकरण ,विघटन और निपटान के लिए बनाया गया है ।
2. **करें :**
 क. उपकरण को सिर्फ अधिकृत पुनः नवीनीकरणकर्ता को ही निपटारण करने हेतु हस्तांतरित करें ।
 ख. जब उपकरण कार्यरत न हो इसे अलग क्षेत्र में रखें ताकि उपकरण से होने वाली दुर्घटनाओं से बचा जा सके ।
न करें :
 क. इस उपकरण को स्वयं/खुद नहीं खोलना चाहिए ! उपकरण को केवल अधिकृत अधिकारी के द्वारा ही खोला जाना चाहिए ।
 ख. इस उपकरण को पुनः बिक्री के लिए किसी भी कबाड़ीवाला / भंगार-वाला / अनाधिकृत संस्था को न दें ।
 ग. इस उपकरण को किसी घरेलू अपशिष्ट सामान के साथ मिलाकर न रखें ।
 घ. उपकरण के बदले हुए या आंतरिक पुरजों को खुले क्षेत्र में न रखें ।
3. यदि किसी अनाधिकृत विभाग या व्यक्ति के द्वारा निपटारन किया जाता है तो यह पर्यावरण (सुरक्षा) धारा १९८६ के अंतर्गत आता है ।
4. यह उत्पाद ई-अपशिष्ट (प्रबंधन और हथालन) नियम 2011 के अन्तर्गत 13(1) एवं (2) के तहत निर्दिष्ट खतरनाक पदार्थों की आवश्यकता का पालन करता है
5. उपरोक्त पदार्थों के निपटारन के लिए नजदीकी निपटारन संस्थान (संकीर्ण क्षेत्र)में कॉल करें। अधिक जानकारी के लिए हमारे टोल फ्री नंबर **1800-315-9999 / 1800-180-9999** पर कॉल करें. सभी संग्रहण केंद्र व पिक-अप की सुविधाएं किसी थर्ड- पार्टी जो **LG Electronics India Pvt. Ltd.** को अपनी सेवाएं प्रदान कर रही हों, से करवाएं । ज्यादा जानकारी के लिए देखें वेब:साईट : <http://www.lge.com/in>

CONFORMITY NOTICE



ENGLISH

Hereby, LG Electronics European Shared Service Center B.V., declares that this product is compliant with the essential requirements. The complete Declaration of Conformity may be requested through the following postal address:

LG Electronics European Shared Service Center B.V.,
Krijgsman 1, 1186 DM Amstelveen, The Netherlands

or can be requested at our dedicated DoC website:

<http://www.lg.com/global/support/cedoc/cedoc#>

DECLARATION OF CONFORMITY



English

[For Equipment Under Radio Equipment Directive]

Hereby, LG Electronics declares that the radio equipment type Monitor is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

<http://www.lg.com/global/support/cedoc/cedoc#>

LG Electronics European Shared Service Center B.V.
Krijgsman 1
1186 DM Amstelveen
The Netherlands

The use of the 5150 – 5350 MHz band is restricted to indoor use only. (For Wi-Fi/Bluetooth built-in model or Wi-Fi built-in model)





Make sure to read the Safety Precautions before using the product.
Keep the Owner's Manual (CD) in an accessible place for future reference.

The model and serial number of the SET is located on the back and one side of the SET. Record it below should you ever need service.

MODEL _____

SERIAL _____

(for 27MK4 series)

ENERGY STAR is a set of power-saving guidelines issued by the U.S.Environmental Protection Agency(EPA).



As an ENERGY STAR Partner LGE U. S. A.,Inc. has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

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