



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

22MN430H

24MN430H

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LICENSE

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



The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

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

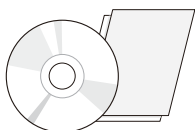
* This monitor is set to be turned off automatically in 4 hours after you turned on display if there is no adjustment to display.

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

ASSEMBLING AND PREPARING

Product Components

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



**CD(Owner's Manual) /
Card**
(Depending on the country)



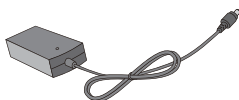
HDMI Cable
(Depending on the country)



D-SUB Cable
(Depending on the country)



Power Cord
(Depending on the country)



AC-DC Adapter

or



AC-DC Adapter
(Depending on the country)

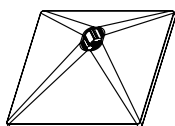
20MK4 series

22MK4 series

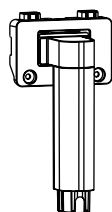
24MK4 series

22MN430H

24MN430H



Stand Base

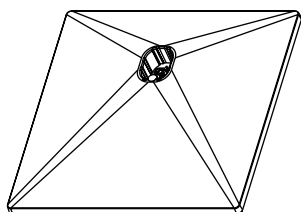


Stand Body

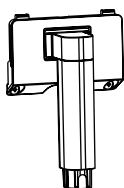


2 Screws

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**

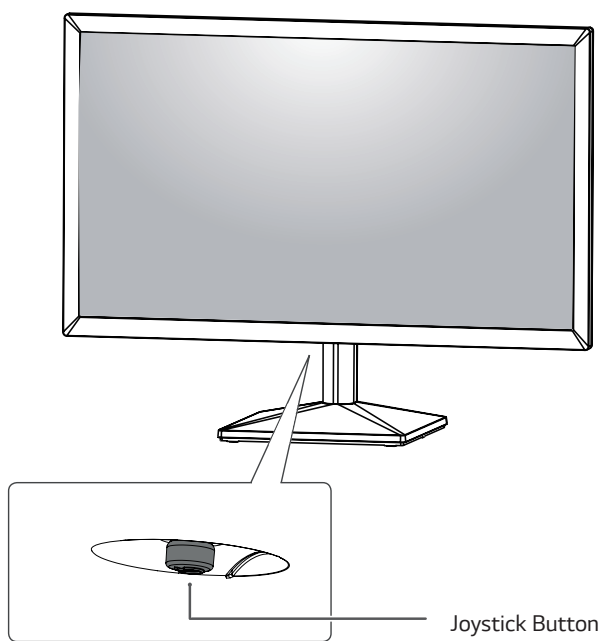
- Note that the components may look different from those shown here.
- Without prior notice, all information and specifications in this manual are subject to change to improve the performance of the product.
- To purchase optional accessories, visit an electronics store or online shopping site or contact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

Supported Drivers and Software

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 (Except 20MK40L)	Recommended
LG Switch (Only 20MK40L)	Recommended

Component and Button Description



How to Use the Joystick Button

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

Basic Functions

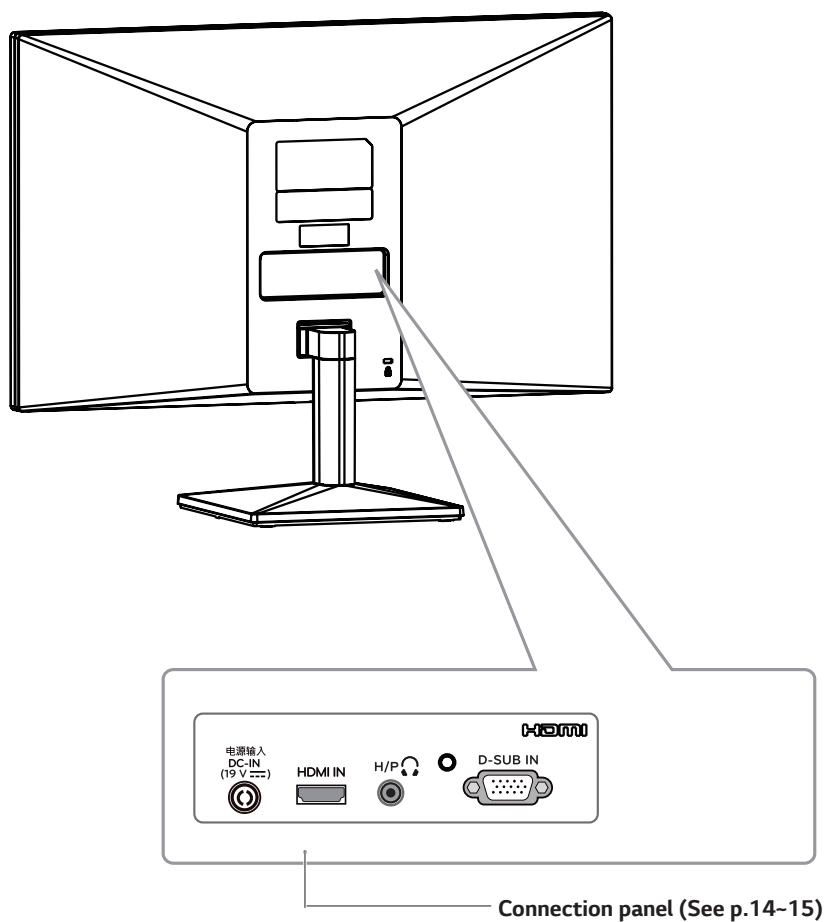
		Power on	Press the joystick button once with your finger to turn on the monitor.
		Power off	Press and hold the joystick button once with your finger to turn off the monitor.
		Volume Control	You can control the volume by moving the joystick button left/right. (for HDMI only)



NOTE

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

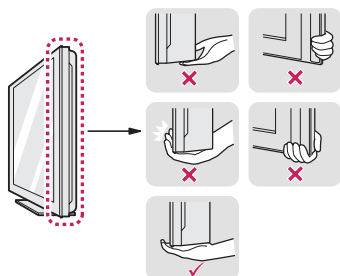
Input Connector



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.



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

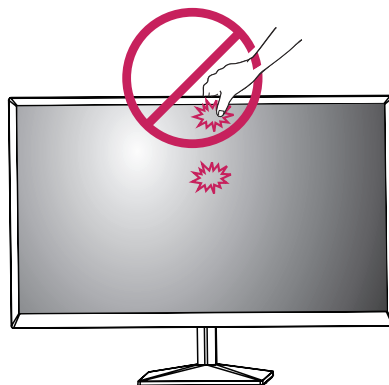


- When moving the monitor, avoid any strong shock or vibrations to the product.
- When moving the monitor, keep it upright, never turn the monitor on its side or tilt it sideways.

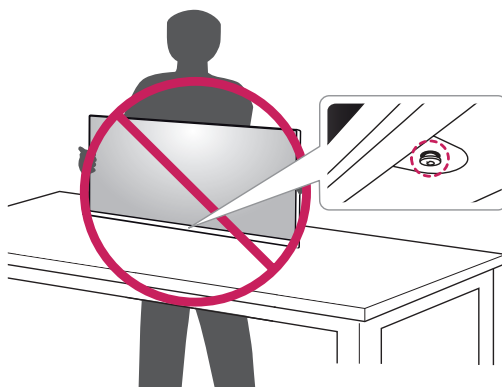


CAUTION

- 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

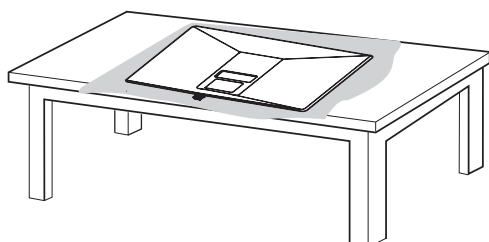
Attaching the Stand Base

20MK4 series 22MN430H

22MK4 series 24MN430H

24MK4 series

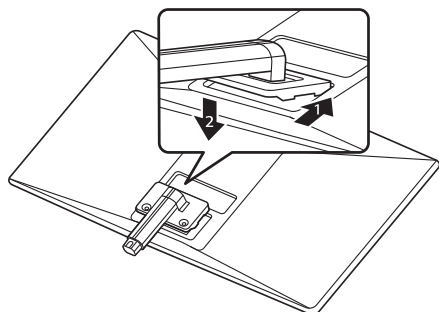
1



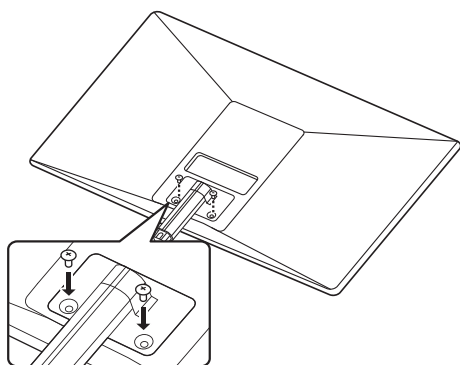
CAUTION

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

2

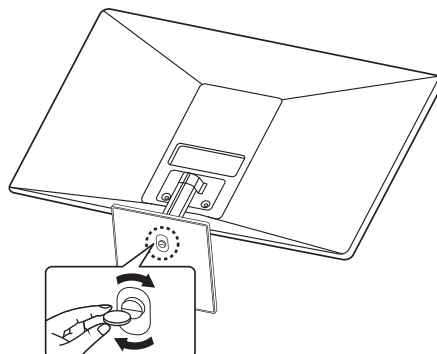


3



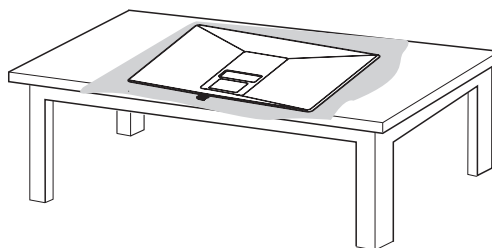
screw torque : 10~12kgf

4



27MK4 series

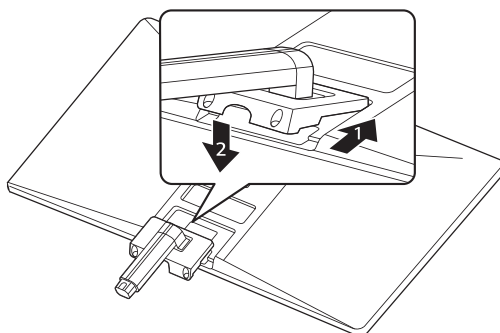
1



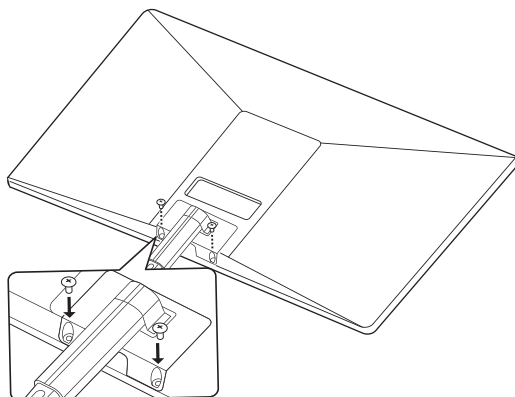
CAUTION

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

2

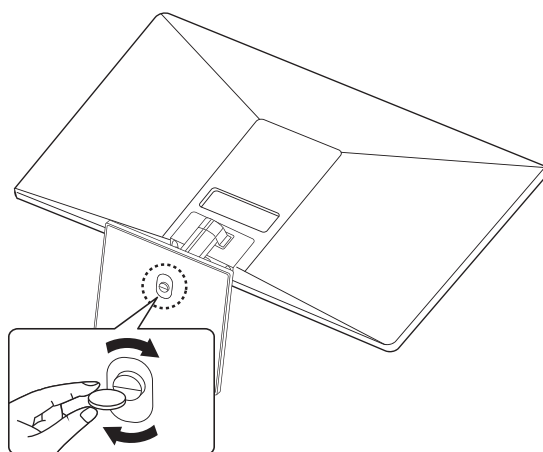


3



screw torque :10~12kgf

4

**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.

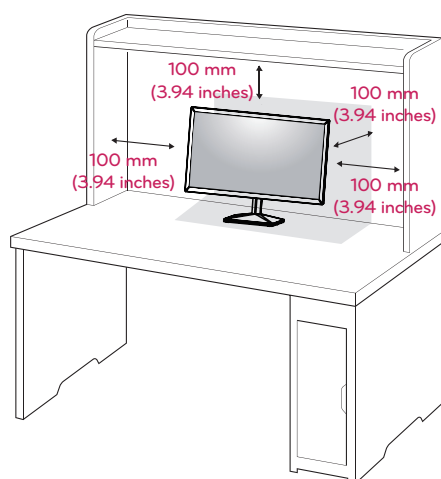
**NOTE**

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

Mounting on a table

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

Leave a 100 mm (3.94 inches) space from the wall for proper ventilation.



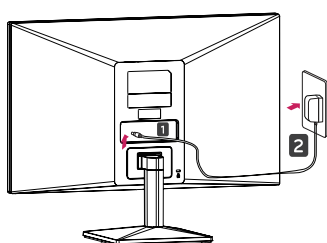
- 3 Press the joystick button on the bottom of the monitor to turn on the monitor.



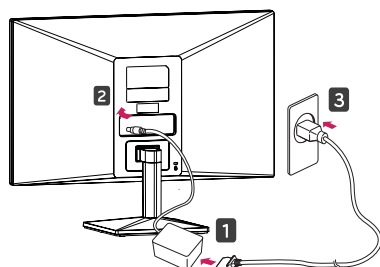
CAUTION

- 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.

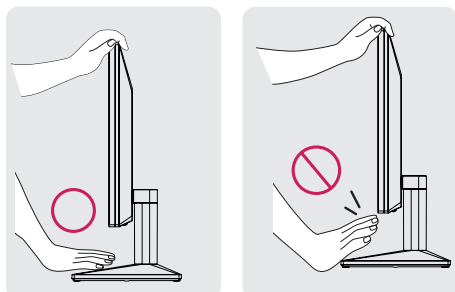


or

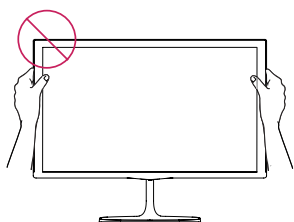


WARNING

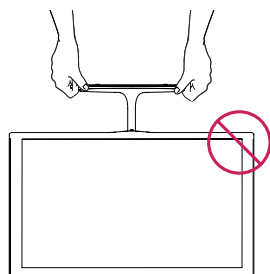
When you adjust the angle, do not hold the bottom of the Monitor set frame as shown in the following illustration, as may injure your fingers.



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

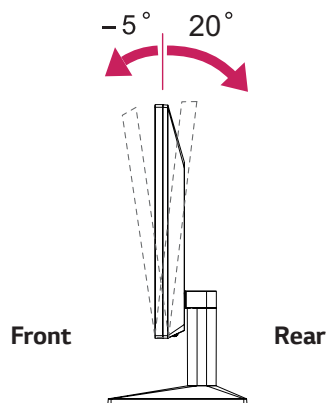


Do not hold this set like below picture. Monitor screen can detach from stand base and injure your body.



NOTE

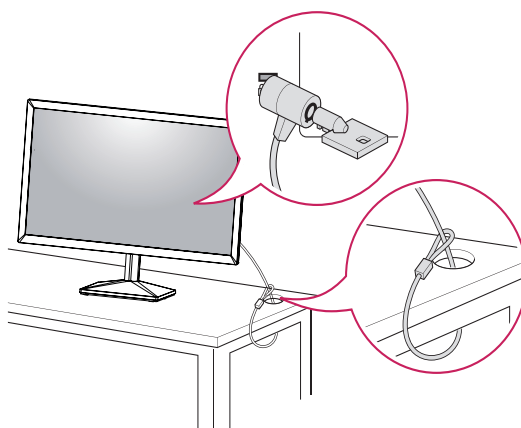
The angle of the screen can be adjusted forward or backward from -5° to 20° for a comfortable viewing experience.



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.

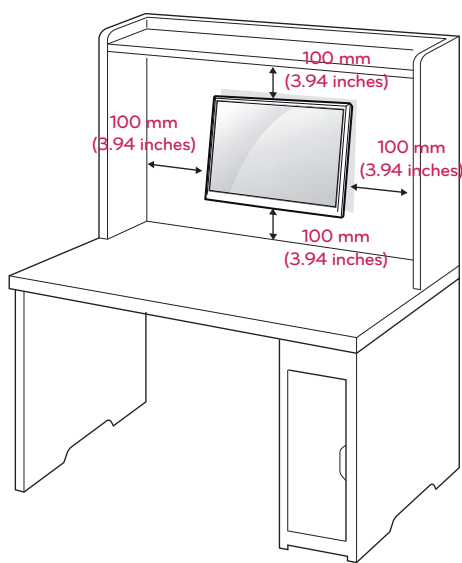


NOTE

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

Mounting on a wall

For proper ventilation, allow a clearance of 100 mm (3.94 inches) 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.

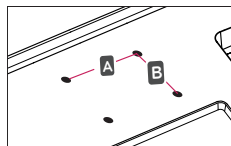
When you install the Monitor set using a wall mounting interface (optional parts), attach it carefully so it will not drop.

- 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	22MN430H
	24MN430H	
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

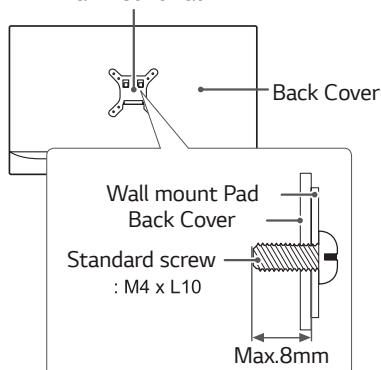
- Wall Mount (A x B)



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.

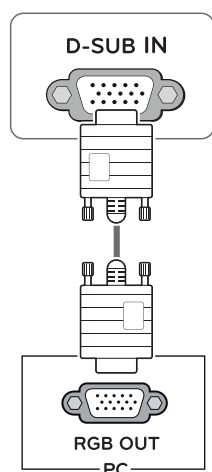
USING THE MONITOR SET

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.

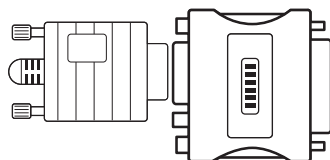
D-SUB connection

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

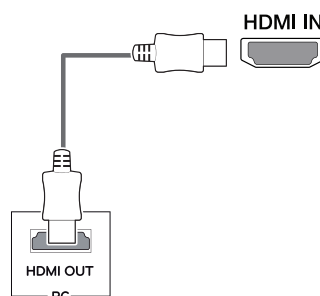


• Mac adapter

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

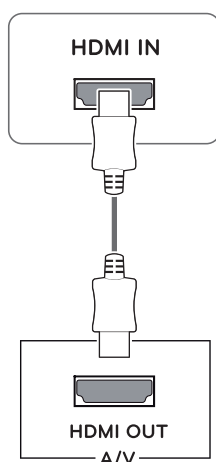
! NOTE

- 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.



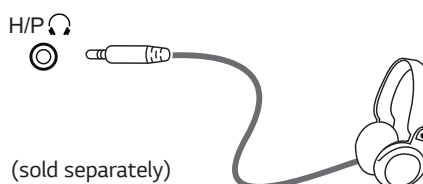
! NOTE

- 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®/™ Cable
 - High-Speed HDMI®/™ Cable with Ethernet

Connecting Peripherals

Connecting Headphones

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

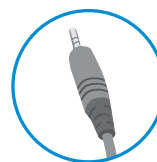


! NOTE

- 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

NOTE

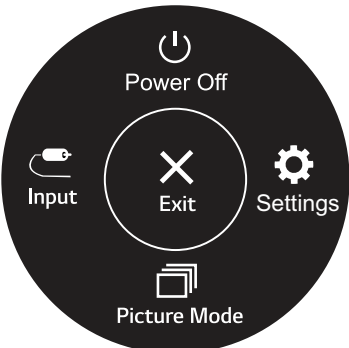
- Your monitor’s OSD (On Screen Display) may differ slightly from that shown in this manual.
- When Beep Guide is activated, pressing the joystick button will take you to Settings right away.

- 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	Enters the Accessibility menu.
		Main menu enabled	Turns off the monitor.
	▼	Main menu disabled	Enters the Accessibility menu.
		Main menu enabled	Enters the picture mode feature. (for HDMI only)

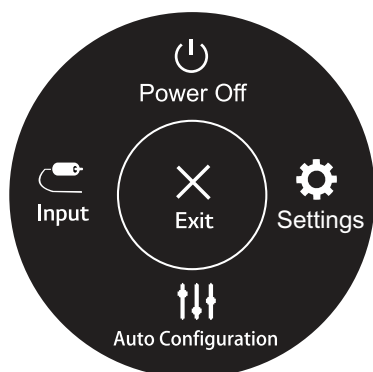
Main Menu Features



(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.

Main Menu Features



(for D-SUB only)

Main Menu	Description
Settings	Configures the screen settings.
Auto Configuration	Operate the Auto configuration for optimal display in D-SUB.
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		
	 NOTE • You can adjust Mute/ Unmute by moving the joystick button to ▼ in the Volume menu.	
Auto Configuration (D-SUB only)	No	Cancel the select.
	Yes	Operate the Auto configuration for optimal display in D-SUB.

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 • 22MK4 series 24MK4 series 27MK4 series 22MN430H 24MN430H 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 . Once Faster Mode is selected, Motion Blur may occur depending on the content.	
		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 22MN430H 24MN430H	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.	
	Crosshair	Crosshair provides a mark on the center of the screen for First Person Shooter(FPS) games. Users can select the Crosshair that fits their gaming environment among four different Crosshairs . When the monitor is off or enters energy saving mode, the Crosshair 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 22MN430H 24MN430H		
	1440x900, 1600x900,Off 22MK4 series 24MK4 series 27MK4 series 22MN430H 24MN430H		
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		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. (8H , 6H , 4H and Off)
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 the **SMART ENERGY SAVING** option is **High** or **Low**, monitor luminance become lower or higher depending on the 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 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?	22MK4 series 24MK4 series 27MK4 series 22MN430H 24MN430H - 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 $\overline{\sim}$ 0.8 A	
Power Consumption	On Mode : 13 W Typ. (Outgoing condition) * Sleep Mode (Standby Mode) $\leq$ 0.3 W ** Off Mode $\leq$ 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 ADS-25SFA-19-3 19016E, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19016EPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19016EPBR-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19016EPI-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19016EPG-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19016EPB-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19016EPG, 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. or Type AD10570LF, manufactured by PI Electronics (H.K.) Ltd. or Type AD2152S20, manufactured by PI Electronics (H.K.) Ltd. or Type AD2152620, manufactured by PI Electronics (H.K.) Ltd. OUTPUT: 19 V $\overline{\sim}$ 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 ~ symbol means alternating current, and the $\overline{\sim}$ symbol means direct current.

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

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

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

SPECIFICATIONS

22MN430H

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
Power Input	19 V ---1.3 A	
Power Consumption	On Mode : 22 W Typ. (Outgoing condition) * Sleep Mode (Standby 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-25SFA-19-3 19025E, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPBR-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPI-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPG-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPB-1, 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 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. or Type AD10560LF, manufactured by PI Electronics (H.K.) Ltd. or Type AD21 39S20, manufactured by PI Electronics (H.K.) Ltd. or Type AD21 39G20, manufactured by PI Electronics (H.K.) Ltd. 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 ~ symbol means alternating current, and the --- symbol means direct current.

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

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

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

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 Or 19 V ---0.8 A	
Power Consumption	On Mode : 22 W Typ. (Outgoing condition) * Sleep Mode (Standby 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 ADS-25SFA-19-3 19025E, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPB-1, 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. or Type AD10560LF, manufactured by PI Electronics (H.K.) Ltd. or Type AD2139S20, manufactured by PI Electronics (H.K.) Ltd. or Type AD2139620, manufactured by PI Electronics (H.K.) Ltd.	
	OUTPUT: 19 V --- 1.3 A	

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 ADS-25SFA-19-3 19016E, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19016EPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19016EPBR-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19016EPI-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19016EPG-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19016EPB-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19016EPG, 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. or Type AD10570LF, manufactured by PI Electronics (H.K.) Ltd. or Type AD2152S20, manufactured by PI Electronics (H.K.) Ltd. or Type AD2152620, manufactured by PI Electronics (H.K.) Ltd.	
	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	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 ~ symbol means alternating current, and the --- symbol means direct current.

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

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

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

SPECIFICATIONS

24MK4 series 24MN430H

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 (Standby 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 ADS-25SFA-19-3 19025E, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPBR-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPI-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPG-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPB-1, 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. or Type AD10560LF, manufactured by PI Electronics (H.K.) Ltd. or Type AD2139S20, manufactured by PI Electronics (H.K.) Ltd. or Type AD2139620, manufactured by PI Electronics (H.K.) Ltd. 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	3.3 kg
	Without Stand	3.0 kg

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

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

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

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

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

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 : 23 W Typ. (Outgoing condition)* Sleep Mode (Standby 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 ADS-25SFA-19-3 19025E, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPBR-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPI-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPG-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-25FSF-19 19025EPB-1, 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. or Type AD10560LF, manufactured by PI Electronics (H.K.) Ltd. or Type AD2139S20, manufactured by PI Electronics (H.K.) Ltd. or Type AD2139620, manufactured by PI Electronics (H.K.) Ltd.	
	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 ~ symbol means alternating current, and the — symbol means direct current.

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

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

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

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	-/-	
1024 x 768	60.023	75.029	+/+	
1366 x 768	47.712	59.79	+/+	Recommend Mode

D-SUB PC Timing

22MK4 series 24MK4 series 27MK4 series 22MN430H 24MN430H

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 22MN430H 24MN430H

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
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 22MN430H 24MN430H

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

Beep Guide

Menu	Location
Quick Settings	1
Quick Settings - Brightness	1 1
Quick Settings - Brightness	1 1 1 Slider
Quick Settings - Contrast	1 2
Quick Settings - Contrast	1 2 1 Slider
Quick Settings - Volume	1 3
Quick Settings - Volume	1 3 1 Slider
Quick Settings - Auto Configuration	1 4 1
Quick Settings - Auto Configuration - No	1 4 1 1
Quick Settings - Auto Configuration - Yes	1 4 1 2
Input	2
Input - Input List	2 1
Input - Input List - D-SUB	2 1 1
Input - Input List - HDMI	2 1 2
Input - Aspect Ratio	2 2
Input - Aspect Ratio - Full Wide	2 2 1
Input - Aspect Ratio - Original	2 2 2
Picture	3
Picture - Picture Mode	3 1
Picture - Picture Mode - Custom	3 1 1
Picture - Picture Mode - Reader	3 1 2
Picture - Picture Mode - Photo	3 1 3
Picture - Picture Mode - Cinema	3 1 4
Picture - Picture Mode - Color Weakness	3 1 5
Picture - Picture Mode - Game	3 1 6
Picture - Picture Adjust	3 2
Picture - Picture Adjust - Brightness	3 2 1
Picture - Picture Adjust - Brightness	3 2 1 1 Slider
Picture - Picture Adjust - Contrast	3 2 2
Picture - Picture Adjust - Contrast	3 2 2 1 Slider
Picture - Picture Adjust - Sharpness	3 2 3
Picture - Picture Adjust - Sharpness	3 2 3 1 Slider
Picture - Picture Adjust - SUPER RESOLUTION+	3 2 4
Picture - Picture Adjust - SUPER RESOLUTION+ - High	3 2 4 1
Picture - Picture Adjust - SUPER RESOLUTION+ - Middle	3 2 4 2
Picture - Picture Adjust - SUPER RESOLUTION+ - Low	3 2 4 3

Menu	Location
Picture - Picture Adjust - SUPER RESOLUTION+ - Off	3 2 4 4
Picture - Picture Adjust - Black Level	3 2 5
Picture - Picture Adjust - Black Level - High	3 2 5 1
Picture - Picture Adjust - Black Level - Low	3 2 5 2
Picture - Picture Adjust - DFC	3 2 6
Picture - Picture Adjust - DFC - On	3 2 6 1
Picture - Picture Adjust - DFC - Off	3 2 6 2
Picture - Game Adjust	3 3
Picture - Game Adjust - Response Time	3 3 1
Picture - Game Adjust - Response Time - Faster	3 3 1 1
Picture - Game Adjust - Response Time - Fast	3 3 1 2
Picture - Game Adjust - Response Time - Normal	3 3 1 3
Picture - Game Adjust - Response Time - Off	3 3 1 4
Picture - Game Adjust - FreeSync	3 3 2
Picture - Game Adjust - FreeSync - On	3 3 2 1
Picture - Game Adjust - FreeSync - Off	3 3 2 2
Picture - Game Adjust - Black Stabilizer	3 3 3
Picture - Game Adjust - Black Stabilizer	3 3 3 1 Slider
Picture - Color Adjust	3 4
Picture - Color Adjust - Gamma	3 4 1
Picture - Color Adjust - Gamma - Mode 1	3 4 1 1
Picture - Color Adjust - Gamma - Mode 2	3 4 1 2
Picture - Color Adjust - Gamma - Mode 3	3 4 1 3
Picture - Color Adjust - Gamma - Mode 4	3 4 1 4
Picture - Color Adjust - Color Temp	3 4 2
Picture - Color Adjust - Color Temp - Custom	3 4 2 1
Picture - Color Adjust - Color Temp - Warm	3 4 2 2
Picture - Color Adjust - Color Temp - Medium	3 4 2 3
Picture - Color Adjust - Color Temp - Cool	3 4 2 4
Picture - Color Adjust - Red	3 4 3
Picture - Color Adjust - Red	3 4 3 1 Slider
Picture - Color Adjust - Green	3 4 4
Picture - Color Adjust - Green	3 4 4 1 Slider
Picture - Color Adjust - Blue	3 4 5
Picture - Color Adjust - Blue	3 4 5 1 Slider

Menu	Location
Picture - Configuration Adjust (Only D-sub)	3 5
Picture - Configuration Adjust (Only D-sub) - Horizontal	3 5 1
Picture - Configuration Adjust (Only D-sub) - Horizontal	3 5 1 1 Slider
Picture - Configuration Adjust (Only D-sub) - Vertical	3 5 2
Picture - Configuration Adjust (Only D-sub) - Vertical	3 5 2 1 Slider
Picture - Configuration Adjust (Only D-sub) - Clock	3 5 3
Picture - Configuration Adjust (Only D-sub) - Clock	3 5 3 1 Slider
Picture - Configuration Adjust (Only D-sub) - Phase	3 5 4
Picture - Configuration Adjust (Only D-sub) - Phase	3 5 4 1 Slider
Picture - Resolution(Only D-sub)	3 6
Picture - Resolution(Only D-sub) - 1024*768	3 6 1
Picture - Resolution(Only D-sub) - 1280*768	3 6 2
Picture - Resolution(Only D-sub) - 1360*768	3 6 3
Picture - Resolution(Only D-sub) - 1366*768	3 6 4
Picture - Resolution(Only D-sub) - Off	3 6 5
Picture - Resolution(Only D-sub) - 1280*960	3 6 1
Picture - Resolution(Only D-sub) - 1600*900	3 6 2
Picture - Resolution(Only D-sub) - Off	3 6 3
Picture - Resolution(Only D-sub) - 1440*900	3 6 1
Picture - Resolution(Only D-sub) - 1600*900	3 6 2
Picture - Resolution(Only D-sub) - Off	3 6 3
Picture - Picture Reset	3 7
Picture - Picture Reset - No	3 7 1
Picture - Picture Reset - Yes	3 7 2
General - Language	4 1
General - Language - English	4 1 1
General - Language - German	4 1 2
General - Language - French	4 1 3
General - Language - Spanish	4 1 4
General - Language - Italian	4 1 5
General - Language - Swedish	4 1 6
General - Language - Finnish	4 1 7
General - Language - Portuguese	4 1 8

Menu	Location
General - Language - Portuguese (Brazil)	4 1 9
General - Language - Polish	4 1 10
General - Language - Russian	4 1 11
General - Language - Greek	4 1 12
General - Language - Ukrainian	4 1 13
General - Language - Chinese	4 1 14
General - Language - Traditional Chinese	4 1 15
General - Language - Japanese	4 1 16
General - Language - Korean	4 1 17
General - Language - Hindi	4 1 18
General - SMART ENERGY SAVING	4 2
General - SMART ENERGY SAVING - High	4 2 1
General - SMART ENERGY SAVING - Low	4 2 2
General - SMART ENERGY SAVING - Off	4 2 3
General - Automatic Standby	4 3
General - Automatic Standby - 8H	4 3 1
General - Automatic Standby - 6H	4 3 2
General - Automatic Standby - 4H	4 3 3
General - Automatic Standby - Off	4 3 4
General - OSD Lock	4 4
General - OSD Lock - On	4 4 1
General - OSD Lock - Off	4 4 2
General - Information	4 5
General - Information	4 5 1
General - Reset to Initial Settings	4 6
General - Reset to Initial Settings - No	4 6 1
General - Reset to Initial Settings - Yes	4 6 2

LIMITED WARRANTY (USA)

THE PRODUCT'S FULL LIMITED WARRANTY TERMS AND CONDITIONS ARE AVAILABLE AT <https://www.lg.com/us> AND/OR YOUR WARRANTY.

ARBITRATION NOTICE: THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG ELECTRONICS ("LG") TO RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS YOU CHOOSE TO OPT OUT. IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED "PROCEDURE FOR RESOLVING DISPUTES" BELOW.

PROCEDURE FOR RESOLVING DISPUTES:

ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. BINDING ARBITRATION MEANS THAT YOU AND LG ARE EACH WAIVING THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION.

Definitions. For the purposes of this section, references to "LG" mean LG Electronics U.S.A., Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to "dispute" or "claim" shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale, condition or performance of the product or this Limited Warranty.

Notice of Dispute. In the event you intend to commence an arbitration proceeding, you must first notify LG in writing at least 30 days in advance of initiating the arbitration by sending a letter to LG at LG Electronics, USA, Inc. Attn: Legal Department- Arbitration 111 Sylvan Avenue, Englewood Cliffs, NJ 07632. You and LG agree to engage in good faith discussions in an attempt to amicably resolve your claim. The notice must provide your name, address, and telephone number; identify the product that is the subject of the claim; and describe the nature of the claim and the relief being sought. If you and LG are unable to resolve the dispute within 30 days, either party may proceed to file a claim for arbitration.

Agreement to Binding Arbitration and Class Action Waiver. Upon failure to resolve the dispute during the 30 day period after sending written notice to LG, you and LG agree to resolve any claims between us only by binding arbitration on an individual basis, unless you opt out as provided below. Any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person's or entity's product or claim. More specifically, without limitation of the foregoing, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought on a class or representative basis.

Arbitration Rules and Procedures. To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be administered by the American Arbitration Association ("AAA") and will be conducted before a single arbitrator under the AAA's Consumer Arbitration Rules that are in effect at the time the arbitration is initiated (referred to as the "AAA Rules") and under the procedures set forth in this section. The AAA Rules are available online at www.adr.org/consumer. Send a copy of your written demand for arbitration, as well as a copy of this provision, to the AAA in the manner described in the AAA Rules. You must also send a copy of your written demand to LG at LG Electronics, USA, Inc. Attn: Legal Department- Arbitration 111 Sylvan Avenue, Englewood Cliffs, NJ 07632. If there is a conflict between the AAA Rules and the rules set forth in this section, the rules set forth in this section will govern. This arbitration provision is governed by the Federal Arbitration Act. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. All issues are for the arbitrator to decide, except that issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

Governing Law. The law of the state of your residence shall govern this Limited Warranty and any disputes between us except to the extent that such law is preempted by or inconsistent with applicable federal law.

Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees to the AAA unless you seek more than \$25,000 in damages, in which case the payment of these fees will be governed by the AAA Rules. Except as otherwise provided for herein, LG will pay all AAA filing, administration and arbitrator fees for any arbitration initiated in accordance with the AAA Rules and this arbitration provision. If you prevail in the arbitration, LG will pay your attorneys' fees and expenses as long as they are reasonable, by considering factors including, but not limited to, the purchase amount and claim amount. Notwithstanding the foregoing, if applicable law allows for an award of reasonable attorneys' fees and expenses, an arbitrator can award them to the same extent that a court would. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the standards set forth in Federal Rule of Civil Procedure 11(b)), then the payment of all arbitration fees will be governed by the AAA Rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the AAA Rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

Hearings and Location. If your claim is for \$25,000 or less, you may choose to have the arbitration conducted solely on the basis of (1) documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the AAA Rules. If your claim exceeds \$25,000, the right to a hearing will be determined by the AAA Rules. Any in-person arbitration hearings will be held at a location within the federal judicial district in which you reside unless we both agree to another location or we agree to a telephonic arbitration.

Opt Out. You may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either: (i) sending an e-mail to optout@lge.com, with the subject line: "Arbitration Opt Out" or (ii) calling 1-800-980-2973. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased; (c) the product model name or model number; and (d) the serial number (the serial number can be found (i) on the product; or (ii) online by accessing <https://www.lg.com/us/support> and clicking on "How do I find my model number?").

You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure.

Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.

LIMITED WARRANTY (CANADA)

THE PRODUCT'S FULL LIMITED WARRANTY TERMS AND CONDITIONS ARE AVAILABLE AT https://www.lg.com/ca_en/ AND/OR YOUR WARRANTY.

ARBITRATION NOTICE: THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG TO RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS THE LAWS OF YOUR PROVINCE OR TERRITORY DO NOT PERMIT THAT, OR, IN OTHER JURISDICTIONS, IF YOU CHOOSE TO OPT OUT. FOR FURTHER CLARITY, THIS ARBITRATION PROVISION IS NOT APPLICABLE TO CONSUMERS RESIDING IN ONTARIO AND QUÉBEC. IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED "PROCEDURE FOR RESOLVING DISPUTES" BELOW.

• DISCLAIMER:

IF YOU ARE A CONSUMER SUBJECT TO QUÉBEC AND ONTARIO'S CONSUMER PROTECTION ACT, THE EXCLUSION OF WARRANTIES CONTAINED IN THIS SECTION DO NOT EXCLUDE OR LIMIT THE RIGHTS AND REMEDIES THAT YOU MAY HAVE UNDER SUCH ACT, INCLUDING THE RIGHT TO MAKE A CLAIM UNDER ANY OF THE STATUTORY WARRANTIES PROVIDED THEREUNDER.

PROCEDURE FOR RESOLVING DISPUTES:

EXCEPT WHERE PROHIBITED AT LAW (INCLUDING WITH RESPECT TO QUÉBEC AND ONTARIO CONSUMERS), ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. EXCEPT WHERE PROHIBITED AT LAW (INCLUDING WITH RESPECT TO QUÉBEC AND ONTARIO CONSUMERS), YOU AND LG BOTH IRREVOCABLY AGREE TO WAIVE THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION.

Definitions. For the purposes of this section, references to "LG" mean LG Electronics Canada, Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to "dispute" or "claim" shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale, condition or performance of the product or this Limited Warranty.

Notice of Dispute. In the event you intend to commence an arbitration proceeding, you must first notify LG in writing at least 30 days in advance of initiating the arbitration by sending a letter to LGECI Legal Team at 20 Norelco Drive, North York, Ontario, Canada M9L 2X6 (the "Notice of Dispute"). You and LG agree to engage in good faith discussions in an attempt to amicably resolve your claim. The notice must provide your name, address, and telephone number; identify the product that is the subject of the claim; and describe the nature of the claim and the relief being sought. If you and LG are unable to resolve the dispute within 30 days of LG's receipt of the Notice of Dispute, the dispute shall be resolved by binding arbitration in accordance with the procedure set out herein. You and LG both agree that, during the arbitration proceeding, the terms (including any amount) of any settlement offer made by either you or LG will not be disclosed to the arbitrator until the arbitrator determines the dispute.

Agreement to Binding Arbitration and Class Action Waiver. Upon failure to resolve the dispute during the 30 day period after LG's receipt of the Notice of Dispute, you and LG agree to resolve any claims between you and LG only by binding arbitration on an individual basis, unless you opt out as provided below, or you reside in a jurisdiction that prevents full application of this clause in the circumstances of the claims at issue (in which case if you are a consumer, this clause will only apply if you expressly agree to the arbitration). To the extent permitted by applicable law, any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person's or entity's product or claim. More specifically, without limitation of the foregoing, except to the extent such a prohibition is not permitted at law, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought on a class or representative basis except to the extent this prohibition is not permitted at law in your province or territory of jurisdiction as it relates to the claims at issue between you and LG. This does not apply to consumers in Ontario and Québec. In accordance with provincial legislation, the consumer and LG may agree to resolve the dispute using any procedure available, including commencing the action before the competent courts of those provinces.

Arbitration Rules and Procedures. To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be private and confidential, and conducted on a simplified and expedited basis before a single arbitrator chosen by the parties under the provincial or territorial commercial arbitration law and rules of the province or territory of your residence. You must also send a copy of your written demand to LG at LG Electronics, Canada, Inc., Attn: Legal Department- Arbitration, 20 Norelco Drive, North York, Ontario M9L 2X6. This arbitration provision is governed by your applicable provincial or territorial commercial arbitration legislation. For consumers in Ontario and Québec, the applicable arbitration legislation only applies if consumers agree to submit the dispute to arbitration. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. All issues are for the arbitrator to decide, except that, issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

Governing Law. The law of the province or territory of your purchase shall govern this Limited Warranty and any disputes between you and LG except to the extent that such law is preempted by or inconsistent with applicable federal or provincial/territorial law. Should arbitration not be permitted for any claim, action, dispute or controversy between you and LG, you and LG attorn to the exclusive jurisdiction of the courts of the province or territory of your purchase for the resolution of the claim, action, dispute or controversy between you and LG.

Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees unless you seek more than \$25,000 in damages, in which case the payment of these fees will be governed by the applicable arbitration rules. Except as otherwise provided for herein, LG will pay all filing, administration and arbitrator fees for any arbitration initiated in accordance with the applicable arbitration rules and this arbitration provision. If you prevail in the arbitration, LG will pay your attorneys' fees and expenses as long as they are reasonable, by considering factors including, but not limited to, the purchase amount and claim amount. Notwithstanding the foregoing, if applicable law allows for an award of reasonable attorneys' fees and expenses, an arbitrator can award them to the same extent that a court would. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the applicable laws), then the payment of all arbitration fees will be governed by the applicable arbitration rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the applicable arbitration rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

Hearings and Location. If your claim is for \$25,000 or less, you may choose to have the arbitration conducted solely (1) on the basis of documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the applicable arbitration rules. If your claim exceeds \$25,000, the right to a hearing will be determined by the applicable arbitration rules. Any in-person arbitration hearings will be held at the nearest, most mutually-convenient arbitration location available within the province or territory in which you reside unless you and LG both agree to another location or agree to a telephonic arbitration.

Severability and Waiver. If any portion of this Limited Warranty (including these arbitration procedures) is unenforceable, the remaining provisions will continue in full force and effect to the maximum extent permitted by applicable law. Should LG fail to enforce strict performance of any provision of this Limited Warranty (including these arbitration procedures), it does not mean that LG intends to waive or has waived any provision or part of this Limited Warranty.

Opt Out. The arbitration provision requires you and LG to resolve disputes by binding arbitration instead of court, unless the laws of your province or territory do not permit that, or, in other jurisdictions, if you choose to opt out. The arbitration provision does not apply to consumers in Ontario and Québec. For individuals that fall within the binding arbitration provisions, you may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either (i) sending an e-mail to optout@lge.com, with the subject line: "Arbitration Opt Out;" or (ii) calling 1-800-980-2973. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased; (c) the product model name or model number; and (d) the serial number (the serial number can be found (i) on the product; or (ii) online by accessing https://www.lg.com/ca_en/findmodel_serial/).

In the event that you "Opt Out", the law of the province or territory of your residence shall govern this Limited Warranty and any disputes between you and LG except to the extent that such law is preempted by or inconsistent with applicable federal or provincial/territorial law. Should arbitration not be permitted for any claim, action, dispute or controversy between you and LG, you and LG agree to attorn to the exclusive jurisdiction of the courts of the province or territory of your residence for the resolution of the claim, action, dispute or controversy between you and LG.

You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.

Conflict of Terms. In the event of a conflict or inconsistency between the terms of this Limited Warranty and the End User License Agreement ("EULA") in regards to dispute resolution, the terms of this Limited Warranty shall control and govern the rights and obligations of the parties and shall take precedence over the EULA.



Supplier's Declaration of Conformity

Trade Name	LG
Responsible Party	LG Electronics USA, Inc.
Address	111 Sylvan Avenue, North Building, Englewood Cliffs, NJ 07632
E-mail	lg.environmental@lge.com

Make sure to read the Safety Precautions before using the product. 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 _____



(Only 20MK40L)

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.