



OWNER'S MANUAL

LED LCD MONITOR

(LED Monitor*)

805001358

* LG LED Monitor applies LCD screen with LED backlights.

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

32UN500 32UN50B

32BN50U 32UN55B

32UN550 32BP57U

32UP50S

LICENSE

Each model has different licenses.



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



MaxxAudio and additional MAXX trademarks are trademarks and/or registered trademarks of Waves Audio Ltd.

ASSEMBLING AND PREPARING



CAUTION

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

NOTE

- The components may look different from those illustrated here.
- Without prior notice, all product information and specifications contained in this manual are subject to change to improve the performance of the product.
- The power cord provided may differ depending upon the region.

Supported Drivers and Software

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

Product and Button Description



Joystick Button

How to Use the Joystick Button

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

Basic Functions

		Power on	Press the joystick button once with your finger to turn on the monitor.
		Power off	Press and hold the joystick button a few seconds with your finger to turn off the monitor.
		Volume control	You can control the volume by moving the joystick button left/right.

NOTE

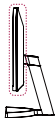
- The joystick button is located at the bottom of the monitor.

Moving and Lifting the Monitor

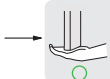
When moving or lifting the monitor, follow these instructions to prevent the monitor from being scratched or damaged and to ensure safe transportation, regardless of its shape or size.

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

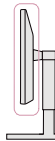
32UN500
32BN50U
32UP50S
32UN50B



32UN550
32UN55B



32BP57U



CAUTION

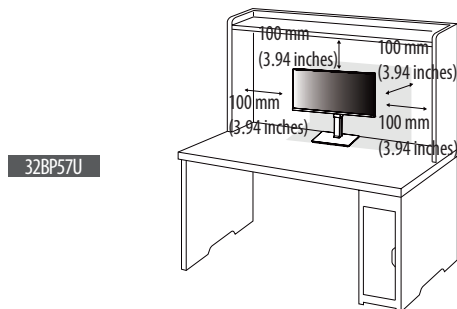
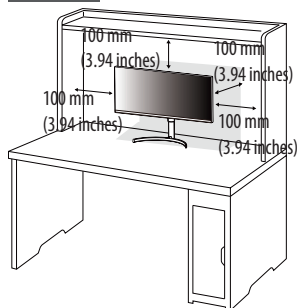
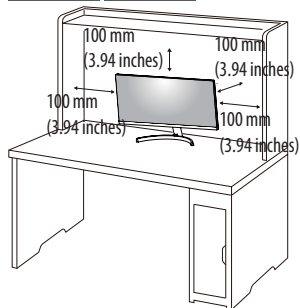
- Avoid touching the monitor screen as much as possible.
 - This may result in damage to the screen or some of the pixels used to create images.
- If you use the monitor panel without the stand base, its joystick button may cause the monitor to become unstable and fall, resulting in damage to the monitor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

Installing on a Table

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

32UN500
32BN50U 32UP50S
32UN50B

32UN550
32UN55B

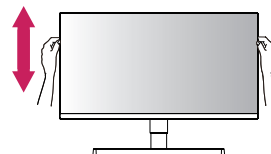


Adjusting the Stand Height

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

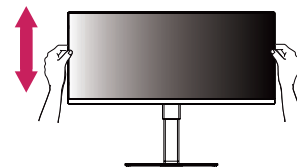
32UN550
32UN55B

Max. 110.0 mm
(4.3 inches)



32BP57U

Max. 150.0 mm
(5.9 inches)



! WARNING

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

Accessory type and quantity may vary depending on the model.

The images shown here are for illustrative purposes only and may be subject to change.

! CAUTION

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

Adjusting the Angle

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

32UN500/32UN550/32UN50B/32UN55B/32BN50U/32UP50S

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

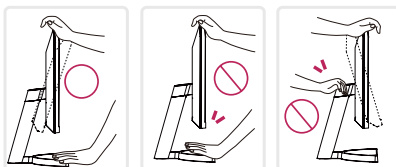
32BP57U

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

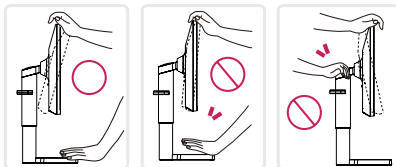
WARNING

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

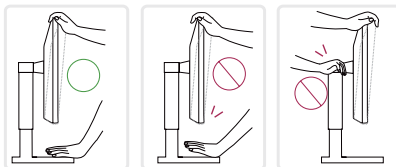
32UN500
32BN50U
32UP50S
32UN50B



32UN550
32UN55B



32BP57U



The images shown here are for illustrative purposes only and may be subject to change.

Installing the Wall Mount Plate

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

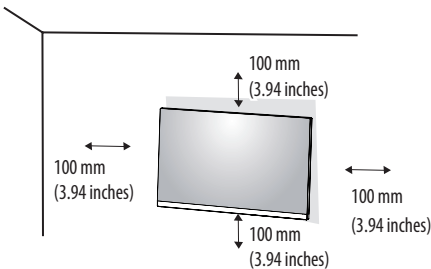
(Wall mounting kit not included)

! NOTE

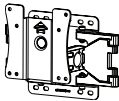
- For more information on installation, refer to the wall mount plate's installation guide.
- Be careful not to apply too much force while mounting the wall mount plate as it may cause damage to the screen.
- Remove the stand before installing the monitor on a wall mount by performing the stand attachment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

Installing on the Wall

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



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

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

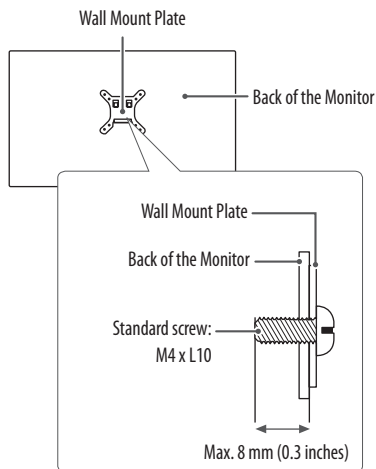
! NOTE

- A non-VESA standard screw may damage the product and cause the monitor to fall.
- The wall mounting bracket is optional. (Not included)

- The length of the screw may differ for each wall mounting bracket. If you use screws longer than the standard length, it may damage the inside of the product.
- For more information, please refer to the user manual for the wall mounting bracket.

CAUTION

- Unplug the power cord before moving or installing the monitor to avoid electric shock.
- Installing the monitor on the ceiling or on a slanted wall may result in the monitor falling off, which could lead to injury.
- Applying excessive force when tightening screws may cause damage to the monitor. Damage caused in this way will not be covered by the product warranty.
- Use the wall mounting bracket and screws that conform to VESA standards. Damage caused by the use or misuse of inappropriate components will not be covered by the product warranty.
- When measured from the back of the monitor, the length of each installed screw must be 8 mm (0.3 inches) or less.



Accessory type and quantity may vary depending on the model.

The images shown here are for illustrative purposes only and may be subject to change.

Wall mount kit not included.

USING THE MONITOR

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

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



CAUTION

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

Connecting to a PC

- This monitor supports the *Plug and Play feature.

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

HDMI Connection

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



CAUTION

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

DisplayPort Connection

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



NOTE

- There may be no video or audio output depending on the DP (DisplayPort) version of the PC.
- If you are using a Mini DisplayPort output graphics card, use a Mini DP to DP (Mini DisplayPort to DisplayPort) cable or gender that supports DisplayPort 1.2 or 1.4.

Connecting AV Devices

HDMI Connection

HDMI transmits digital video and audio signals from your AV device to the monitor.

! NOTE

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

Connecting Peripherals

Headphones Connection

Connect peripherals to the monitor via the headphones port.

! NOTE

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



Angled



Straight
(Recommend)

The cables mentioned in this guide is not supplied with your unit.

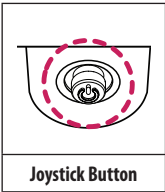
USER SETTINGS



NOTE

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

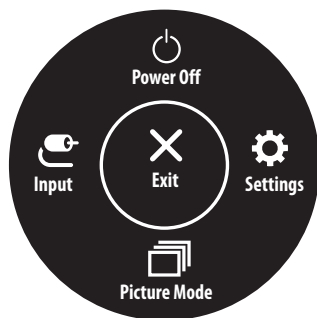
Activating the Main Menu



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

Button	Menu Status		Description
	Main menu disabled		Enables the main menu.
	Main menu enabled		Exits the main menu. (Holding down the button a few seconds to turn off the monitor. You can turn off the monitor this way at any time, including when the OSD is on.)
	◀	Main menu disabled	Adjusts the monitor volume level.
		Main menu enabled	Enters the Input features.
	▶	Main menu disabled	Adjusts the monitor volume level.
		Main menu enabled	Enters the Settings feature.
	▲	Main menu disabled	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.

Main Menu Features



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

Menu Settings

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



Quick Settings



Input



Picture



Sound



General

NOTE

The images shown here are for illustrative purposes only and may be subject to change, the actual descriptions of control panel and their locations may vary depending on the model.

Quick Settings

Settings > Quick Settings	Description	
Brightness	Adjusts the contrast and brightness of the screen.	
Contrast		
Volume	Adjusts the volume.	
	! NOTE You can adjust Mute / Unmute by moving the joystick button to ▼ in the Volume menu.	
Color Temp	Custom	The user can adjust it to red, green, or blue by customization.
	Warm	Sets the screen color to a reddish tone.
	Medium	Sets the screen color between a red and blue tone.
	Cool	Sets the screen color to a bluish tone.
	Manual	The user can fine - tune the color temperature.
MaxxAudio	On	MaxxAudio® by Waves, recipient of a Technical GRAMMY Award® is a suite of studio-quality sound tools for a superior listening experience.
	Off	Disables the MaxxAudio function.

Input

Settings > Input	Description	
Input List	Selects the input mode.	
Aspect Ratio	Adjusts the aspect ratio of the screen.	
	Full Wide	Displays the video in widescreen, regardless of the video signal input.
	Original	Displays video according to the aspect ratio of the video signal input.
	Just Scan	The aspect ratio is not adjusted from the original.
	! NOTE - The display may look the same for Full Wide , Original, and Just Scan options at the recommended resolution (3840 x 2160). - There is no Just Scan menu on FreeSync Mode. (Go to Picture → Game Adjust → FreeSync, to set from FreeSync Basic or Extended to Off)	

Picture



NOTE

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

[Picture Mode on SDR (Non-HDR) signal]

Settings > Picture	Description	
Picture Mode	Custom	Allows the user to adjust each element.
	Vivid	Heightens contrast, brightness and sharpness to display vivid images.
	HDR Effect	Optimizes the screen for high dynamic range.
	Reader	Optimizes the screen for viewing documents. You can brighten the screen in the OSD menu.
	Cinema	Optimizes the screen for video.
	FPS	This mode is optimized for FPS games.
	RTS	This mode is optimized for RTS Game.
	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.
NOTE • If the Picture Mode is changed in the DP (DisplayPort) input, the screen may flicker or the resolution of your PC screen may be affected.		

[Picture Mode on HDR signal]

Settings > Picture	Description	
Picture Mode	Custom	Allows the user to adjust each element.
	Vivid	Optimized the screen for HDR vivid colors.
	Cinema	Optimized the screen for HDR video.
	FPS	This mode is optimized for FPS games.It is suitable for very dark FPS games.
	RTS	This mode is optimized for RTS Game.
	 NOTE • HDR content may not display correctly depending on Window10 OS settings, please check HDR On/Off settings in Windows. • When the HDR function is turned on, the characters or picture quality may be poor according to Graphic card performance. • While the HDR function is on, screen flickering or cracking may occur when changing the monitor input or power on/off according to Graphic card performance.	

Settings > Picture		Description	
Picture Adjust	Brightness	Adjusts the contrast and brightness of the screen.	
	Contrast		
	Sharpness	Adjusts the sharpness of the screen.	
	SUPER RESOLUTION+	High	Optimizes the screen for crystal clear images. Best for high-definition video or games.
		Middle	Optimizes the screen for comfortable viewing, with images at the middle level between the low and high modes. Best for UCC or SD videos.
		Low	Optimizes the screen for smooth and natural images. Best for still images or images with less movement.
		Off	Displays in the most common setting. Disables SUPER RESOLUTION+ .
		 NOTE Because this is a function to increase the sharpness of low resolution pictures, it is not recommended to use the function for normal text or for desktop icons. Doing so may result in unnecessarily high sharpness.	
	Black Level	Sets the offset level (for HDMI only).	
		Offset: as a reference for a video signal, this is the darkest color the monitor can display.	
		High	Keeps the current contrast ratio of the screen.
		Low	Lowers the black levels and raises the white levels from the current contrast ratio of the screen.
	DFC	On	Adjusts the brightness automatically according to the screen.
		Off	Disables the DFC feature.

Settings > Picture	Description		
Game Adjust	Response Time	Sets a response time for displayed pictures based on the movement of the picture on the screen. For a normal environment, it is recommended that you use Faster . When there is a lot of motion, it is recommended that you use Faster . Setting to Faster may cause image sticking.	
		Faster	Sets the response time to faster.
		Fast	Sets the response time to fast.
		Normal	Sets the response time to normal.
		Off	Does not use the response time improvement feature.
	FreeSync	Provides seamless and natural images by synchronizing the vertical frequency of the input signal with that of the output signal.  CAUTION - Supported Interface: DisplayPort, 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, contact a service center.	
		Extended	Enable wider frequency range of FreeSync function than basic mode. The screen may flicker during the game play.
		Basic	Enable basic frequency range of FreeSync function.
		Off	FreeSync function off.
		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.

Settings > Picture		Description	
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	Set your own color temperature.	
		Custom	The user can adjust it to red, green, or blue by customization.
		Warm	Sets the screen color to a reddish tone.
		Medium	Sets the screen color to between a red and blue tone.
		Cool	Sets the screen color to a bluish tone.
		Manual	The user can fine - tune the color temperature.
	Red/Green/Blue	You can customize the picture color using red, green, and blue colors.	
	Six Color	Meets the user requirements for colors by adjusting the hue and saturation of the six colors (red, green, blue, cyan, magenta, and yellow) and then saving the settings.	
		Hue	Adjusts the tone of the screen colors.
		Saturation	Adjusts the saturation of the screen colors. The lower the value, the less saturated and brighter the colors become. The higher the value, the more saturated and darker the colors become.
Picture Reset	Do you want to reset your picture settings?	Yes	Returns to the default settings.
		No	Cancel the select.

Sound

Settings > Sound		Description
Volume	To adjust the Volume of headphone or speaker.	
MaxxAudio	On	MaxxAudio® by Waves, recipient of a Technical GRAMMY Award® is a suite of studio-quality sound tools for a superior listening experience.
	Off	Disables the MaxxAudio function.

General

Settings > General	Description	
Language	Sets the menu screen to the desired language.	
SMART ENERGY SAVING	Conserve energy by using luminance compensation algorithm.	
	High	Saves energy using the high-efficiency SMART ENERGY SAVING feature.
	Low	Saves energy using the low-efficiency SMART ENERGY SAVING feature.
	Off	Disables the feature.
	! NOTE - The value of energy saving data may differ depending on panel and panel suppliers. - If you select the option of SMART ENERGY SAVING is High or Low, monitor luminance become lower or higher depend on source.	
Power LED	On	The power LED turns on automatically.
	Off	The power LED turns off.
	! NOTE - When the Power LED function is turned on, it operates as follows: - On Mode: White - Sleep Mode (Standby Mode): White Blinking - Off Mode: Off	
Automatic Standby	Feature that automatically turns off the monitor when there is no movement on the screen for a period of time. You can set a timer for the auto-off function. (8 H , 6 H , 4 H , and Off)	
DisplayPort Version	Set DisplayPort Version to the same version as the connected external device. (1.4 , 1.2 , and 1.1) To use the HDR function, set to 1.4 .	

Settings > General	Description			
HDMI ULTRA HD Deep Color	Provides sharper images when connected to a device supporting ULTRA HD Deep Color.			
	4K@ 60 Hz Support Format			
	Resolution	Frame rate(Hz)	Color Depth / Chroma Sampling	
			8 bit	10 bit
	3840 x 2160	59.94 60.00	YCbCr 4:2:0	
			YCbCr 4:2:2	
			YCbCr 4:4:4	-
			RGB 4:4:4	-
	 NOTE • To use HDMI ULTRA HD Deep Color, turn this function "On". • If the connected device does not support Deep Color, the screen or sound may not work properly. In this case, set this function to off. • The HDMI ULTRA HD Deep Color function can be set individually for each HDMI port. • To use the HDR function, set HDMI ULTRA HD Deep Color to "On".			
	Buzzer	This feature lets you set the sound generated from Buzzer when your monitor powers on.		
On		Enables your monitor's Buzzer.		
Off		Disables your monitor's Buzzer.		
OSD Lock	This feature disables the configuration and adjustment of menus.			
	On	Enables OSD Lock.		
	Off	Disables OSD Lock.		
	 NOTE • All features are disabled except Brightness, Contrast, Volume, Input List, Aspect Ratio, OSD Lock and Information.			
OSD Size	User can select OSD Size to Large or Small.			
Information	The following display information will be shown; Total Power On Time, Resolution.			
Reset to Initial Settings	Do you want to reset your settings?			
	Yes	Returns to the default settings.		
	No	Cancel the reset.		

TROUBLESHOOTING

Nothing is displayed on the screen.	
Is the monitor's power cord plugged in?	• Check if the power cord is correctly plugged into the power outlet.
Is the power LED on?	• Check the power cable connection and press the power button.
Is the power on and the power LED displaying white?	• Check that the connected input is enabled (Settings > Input).
Is the No Signal message being displayed?	• This is displayed when the signal cable between the PC and the monitor is missing or disconnected. Check the cable and reconnect it.
Is the Out of Range message being displayed?	• This occurs when signals transferred from the PC (graphics card) are out of the horizontal or vertical frequency range of the monitor. Please see the Product Specification section of this manual to set the appropriate frequency.
Screen display is unstable and shaky. / Images displayed on the monitor leave shadow trails.	
Did you select the appropriate resolution?	• If the selected resolution is HDMI 1080i 60/50 Hz (interlaced), the screen may be flickering. Change the resolution to 1080p or the recommended resolution. • Not setting the graphics card to the recommended (optimal) resolution may result in blurred text, a dimmed screen, a truncated display area or misalignment of the display. • The setting methods may be different depending on the computer or operating system, and some resolutions may not be available depending on the performance of the graphics card. If this is the case, contact a service center.
Does image sticking occur even when the monitor is turned off?	• Displaying a still image for a prolonged time may cause damage to the screen, resulting in the retention of the image. • To extend the lifetime of the monitor, use a screensaver.
Are there spots on the screen?	• When using the monitor, pixilated spots (red, green, blue, white, or black) may appear on the screen. This is normal for an LCD screen. It is not an error, nor is it related to the monitor's performance.
Some features are disabled.	
Are some functions not available when you press the Menu button?	• The OSD is locked. Disable OSD Lock in General.

Do you see an "Unrecognized monitor, Plug and Play (VESA DDC) monitor found" message?	
Have you installed the display driver?	• Contact a service center. • Make sure to check if the graphics card supports Plug and Play function.
No sound from the headphone port.	
Are images displayed without sound?	• Make sure that the headphone port connections are made properly. • Try increasing the volume with the joystick. • Set the audio output of the PC to the monitor you are using. (The settings may differ depending on the operating system (OS) you use.)



NOTE

- LED can be lighted with Set OSD Menu.
Settings – General – Power LED – On

PRODUCT SPECIFICATION

32UN500 32UP50S 32UN50B

Color Depth	8-bit / 10-bit color is supported.		
Resolution	Max Resolution	3840 x 2160 @ 60 Hz	
	Recommended Resolution	3840 x 2160 @ 60 Hz	
Power Sources	Power Rating	19 V — — 3.3 A	
	Power Consumption	On mode: 45 W Typ. (Outgoing condition) * Sleep Mode (Standby Mode) ≤ 0.5 W ** Off Mode ≤ 0.3 W	
AC/DC adaptor	DA-65G19, manufactured by Asian Power Devices Inc., or ADS-65FAI-19 19065EPG-1, manufactured by SHENZHEN HONOR ELECTRONIC, or ADS-65FAI-19 19065EPK-1, manufactured by SHENZHEN HONOR ELECTRONIC, or ADS-65FAI-19 19065EPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC, or ADS-65AI-19-3 19065E, manufactured by SHENZHEN HONOR ELECTRONIC, or MS-V3420R190-065L0-DE, manufactured by MOSO POWER SUPPLY TECHNOLOGY CO LTD, or MS-V3420R190-065L0-KR, manufactured by MOSO POWER SUPPLY TECHNOLOGY CO LTD, or MS-V3420R190-065L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY CO LTD. Output: 19 V — — 3.42 A		
Environmental Conditions	Operating Conditions	Temperature	0 °C to 40 °C (32 °F to 104 °F)
		Humidity	Less than 80 %
	Storing Conditions	Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
		Humidity	Less than 85 %

Dimensions	Monitor Size (Width x Height x Depth)	
	With Stand	714.3 x 512.3 x 208.8 (mm) 28.1 x 20.1 x 8.2 (inches)
	Without Stand	714.3 x 420.0 x 45.7 (mm) 28.1 x 16.5 x 1.7 (inches)
Weight (Without Packaging)	With Stand	7.7 kg (16.9 lbs)
	Without Stand	6.7 kg (14.7 lbs)

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 LGE test standard (Full White pattern , Maximum resolution).

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

PRODUCT SPECIFICATION

32BN50U

32BP57U

Color Depth	8-bit / 10-bit color is supported.		
Resolution	Max Resolution	3840 x 2160 @ 60 Hz	
	Recommended Resolution	3840 x 2160 @ 60 Hz	
Power Sources	Power Rating	19 V — 3.3 A	
	Power Consumption	On mode: 30.75 Typ. (ENERGY STAR® standard) * Sleep Mode (Standby Mode) ≤ 0.5 W ** Off Mode ≤ 0.3 W	
AC/DC adaptor	DA-65G19, manufactured by Asian Power Devices Inc., or ADS-65FAI-19 19065EPG-1, manufactured by SHENZHEN HONOR ELECTRONIC, or ADS-65FAI-19 19065EPK-1, manufactured by SHENZHEN HONOR ELECTRONIC, or ADS-65FAI-19 19065EPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC, or ADS-65AI-19-3 19065E, manufactured by SHENZHEN HONOR ELECTRONIC, or MS-V3420R190-065L0-DE, manufactured by MOSO POWER SUPPLY TECHNOLOGY CO LTD, or MS-V3420R190-065L0-KR, manufactured by MOSO POWER SUPPLY TECHNOLOGY CO LTD, or MS-V3420R190-065L0-US, manufactured by MOSO POWER SUPPLY TECHNOLOGY CO LTD. Output: 19 V — 3.42 A		
Environmental Conditions	Operating Conditions	Temperature	0 °C to 40 °C (32 °F to 104 °F)
		Humidity	Less than 80 %
	Storing Conditions	Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
		Humidity	Less than 85 %

Dimensions	Monitor Size (Width x Height x Depth)	32BN50U	32BP57U
	With Stand	714.3 x 512.3 x 208.8 (mm) 28.1 x 20.1 x 8.2 (inches)	714.3 x 645.5 x 252.9 (mm) 28.1 x 25.4 x 9.9 (inches)
	Without Stand	714.3 x 420.0 x 45.7 (mm) 28.1 x 16.5 x 1.7 (inches)	714.3 x 420.0 x 45.7 (mm) 28.1 x 16.5 x 1.7 (inches)
Weight (Without Packaging)	With Stand	7.7 kg (16.9 lbs)	10.1 kg (22.2 lbs)
	Without Stand	6.7 kg (14.7 lbs)	6.7 kg (14.7 lbs)

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

PRODUCT SPECIFICATION

32UN550 32UN55B

Color Depth	8-bit / 10-bit color is supported.		
Resolution	Max Resolution	3840 x 2160 @ 60 Hz	
	Recommended Resolution	3840 x 2160 @ 60 Hz	
Power Sources	Power Rating	19 V $\pm$ 3.3 A	
	Power Consumption	On mode: 45 W Typ. (Outgoing condition) * Sleep Mode (Standby Mode) $\leq$ 0.5 W ** Off Mode $\leq$ 0.3 W	
AC/DC adaptor	DA-65G19, manufactured by Asian Power Devices Inc., or ADS-65FAI-19 19065EPG-1, manufactured by SHENZHEN HONOR ELECTRONIC, or ADS-65FAI-19 19065EPK-1, manufactured by SHENZHEN HONOR ELECTRONIC, or ADS-65FAI-19 19065EPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC, or ADS-65AI-19-3 19065E, manufactured by SHENZHEN HONOR ELECTRONIC, or MS-V3420R190-065L0-DE, manufactured by MOSO POWER Supply Technology CO LTD, or MS-V3420R190-065L0-KR, manufactured by MOSO POWER Supply Technology CO LTD, or MS-V3420R190-065L0-US, manufactured by MOSO POWER Supply Technology CO LTD. Output: 19 V $\pm$ 3.42 A		
Environmental Conditions	Operating Conditions	Temperature	0 °C to 40 °C (32 °F to 104 °F)
		Humidity	Less than 80 %
	Storing Conditions	Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
		Humidity	Less than 85 %

Dimensions	Monitor Size (Width x Height x Depth)	
	With Stand	714.3 x 595.9 x 226.7 (mm) 28.1 x 23.4 x 8.9 (inches)
	Without Stand	714.3 x 420.0 x 45.7 (mm) 28.1 x 16.5 x 1.7 (inches)
Weight (Without Packaging)	With Stand	8.2 kg (18.0 lbs)
	Without Stand	6.7 kg (14.7 lbs)

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 LGE test standard (Full White pattern , Maximum resolution).

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

Factory Support Mode (Preset Mode, PC)

DisplayPort

Preset Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Polarity (H/V)	Remarks
640 x 480	31.469	59.94	-/-	
800 x 600	37.879	60.317	+/+	
1024 x 768	48.363	60	-/-	
1920 x 1080	67.5	60	+/-	
2560 x 1440	88.79	59.95	+/-	
3840 x 2160	66.66	30	+/-	
3840 x 2160	133.32	60	+/-	DP Preferred timing

HDMI

Preset Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Polarity (H/V)	Remarks
640 x 480	31.469	59.94	-/-	
800 x 600	37.879	60.317	+/+	
1024 x 768	48.363	60	-/-	
1920 x 1080	67.5	60	+/-	
2560 x 1440	88.79	59.95	+/-	
3840 x 2160	66.66	30	+/-	HDMI Preferred timing, HDMI ULTRA HD Deep Color : Off
3840 x 2160	135	60	+/-	HDMI Preferred timing, HDMI ULTRA HD Deep Color : On

HDMI Timing (Video)

Factory support mode (Preset Mode)	Horizontal Frequency(kHz)	Vertical Frequency(Hz)	Remarks
480p	31.5	60	
720p	45.0	60	
1080p	67.5	60	
2160p	135	60	When HDMI ULTRA HD Deep Color is set to ON

32UN500

32UN50B

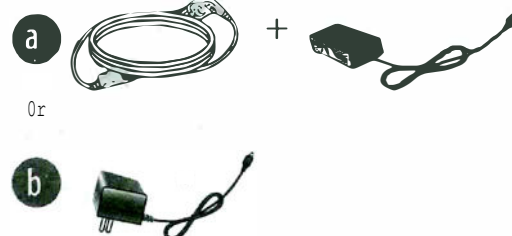
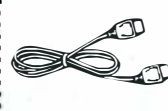
32UP50S

32BN50U

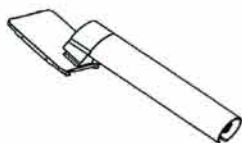
32UN550

32UN55B

32BP57U



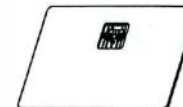
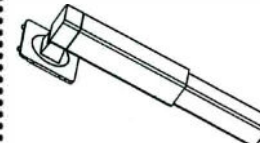
32UN500/32BN50U/32UP50S/32UN50B



32UN550/32UN55B



32BP57U



Accessory type and quantity may vary depending on the model.



Quick Setup Guide

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



It is recommended that use the supplied components.

SAFETY INSTRUCTIONS

- Please make sure the device is installed near the wall outlet to which it is connected and that the outlet is easily accessible.
- 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.
- Be sure to use power cords and AC adapters provided or approved by LG Electronics, Inc.
- 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
- Make sure the power cord connects to a properly grounded outlet.
- The symbol ~ means alternating current, and the symbol — means direct current
- To prevent injury, this apparatus must be securely attached to the wall in accordance with the installation instructions when installing on a wall.
- To reduce the risk of fire or explosion, do not replace the battery by an incorrect type. Dispose of used batteries according to the instructions.

LG TAKE-BACK & RECYCLING POLICY

LG Electronics offers a customized e-waste take-back & recycling service that meets local needs and requirements in the countries where e-waste regulations are in place, and also provides product take-back & recycling service voluntarily in some regions. LG Electronics evaluates products' recyclability at the design step selectively, with the goal of improving recyclability where practicable. Through these activities, LG Electronics seeks to contribute to conserving natural resources and protecting the environment. For more information, please visit our global site at <https://www.lg.com/global/recycling>

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.

WIRELESS

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for 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 off and on, the user is encouraged to try to correct the interference by 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 to an outlet on a circuit different from that to which the receiver is connected.
- Contact a service center.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radio Frequency Interference Requirements (for UNII devices)

High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this device. This device cannot be co-located with any other transmitter.

FCC RF Radiation Exposure Statement

[For having wireless function (WLAN, Bluetooth,...)]

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20 cm (7.8 inches) between the antenna and your body. Users must follow the specific operating instructions for satisfying RF exposure compliance.

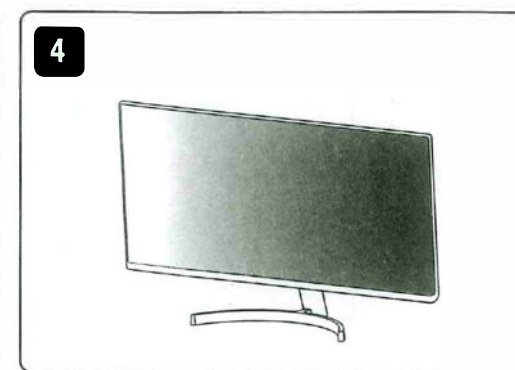
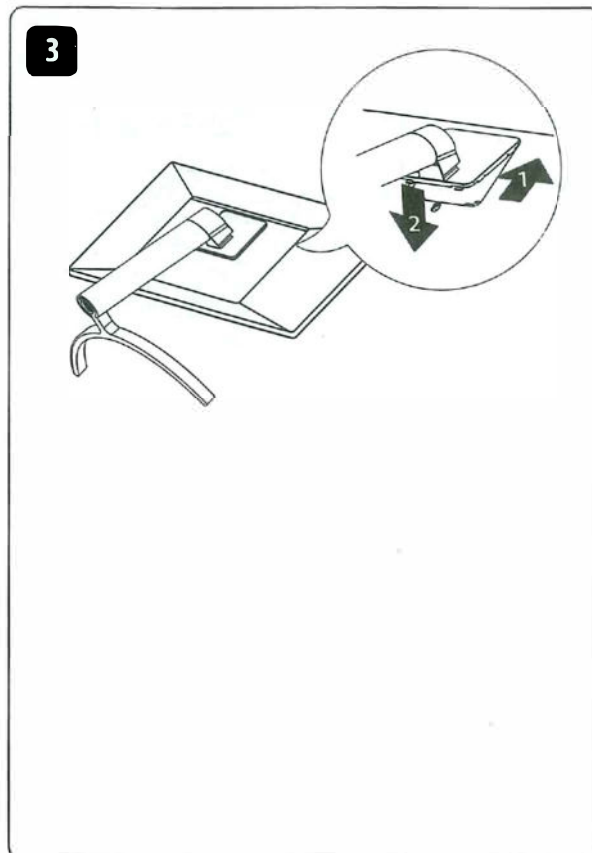
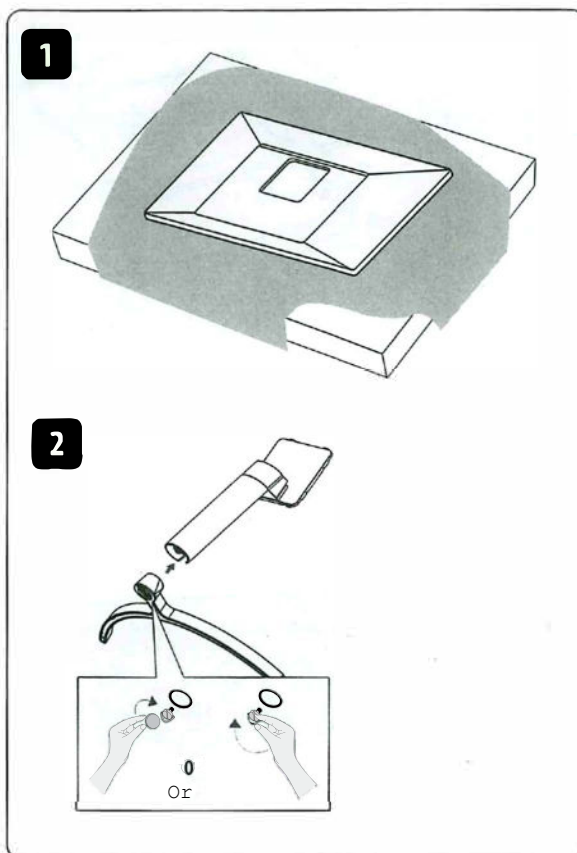
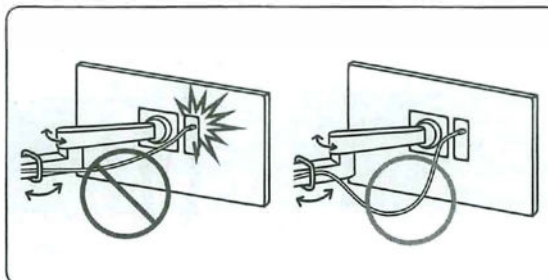
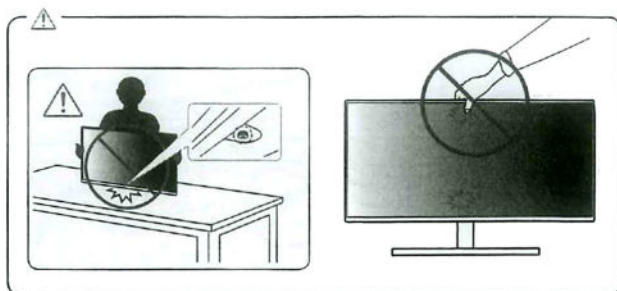


32UN500

32BN50U

32UP50S

32UN50B

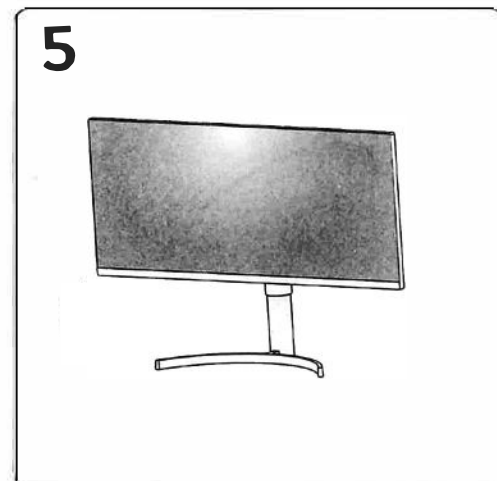
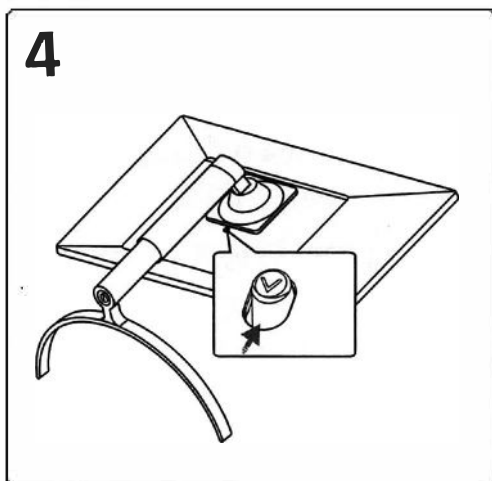
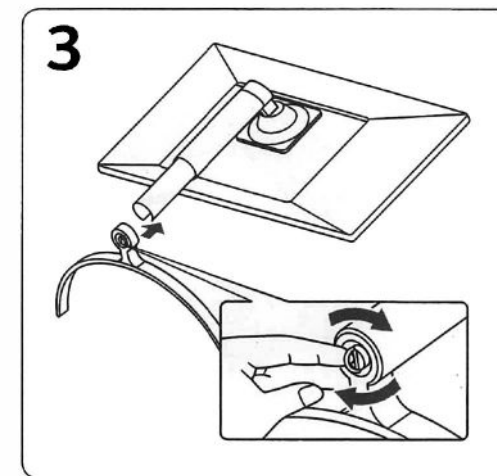
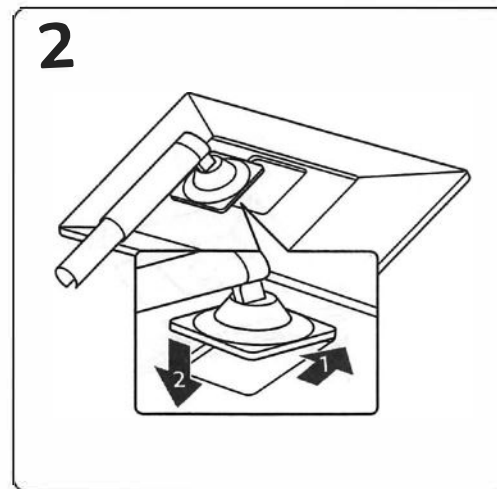
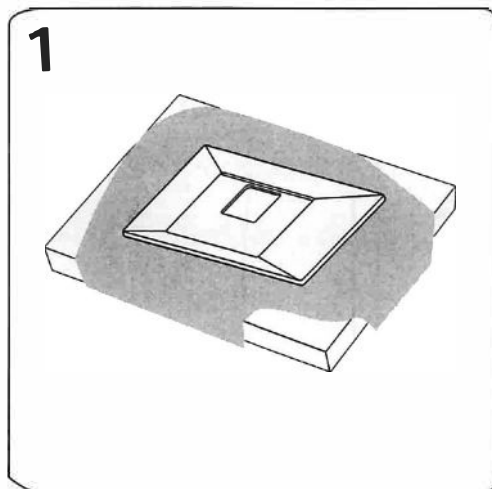
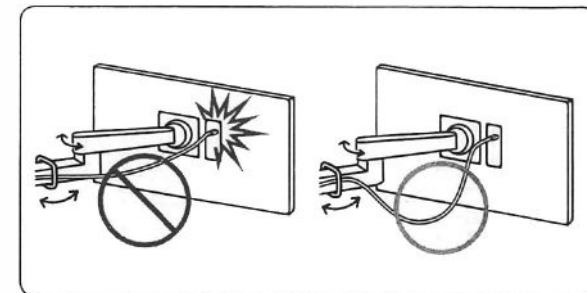
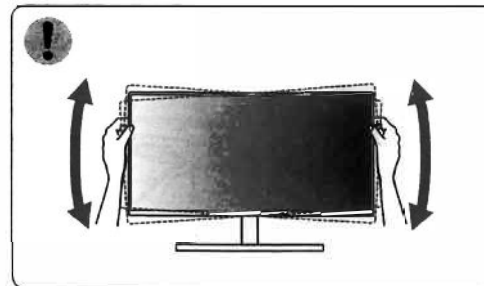
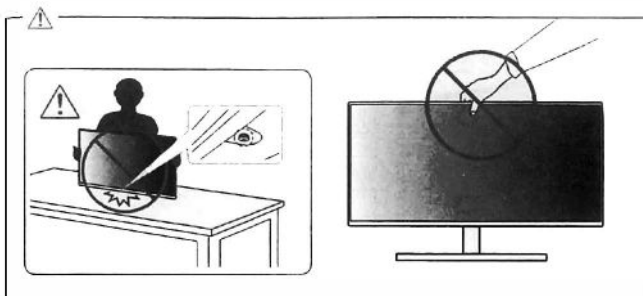


- Accessory type and quantity may vary depending on the model.
- The images shown here are for illustrative purposes only and may be subject to change.



32UN550

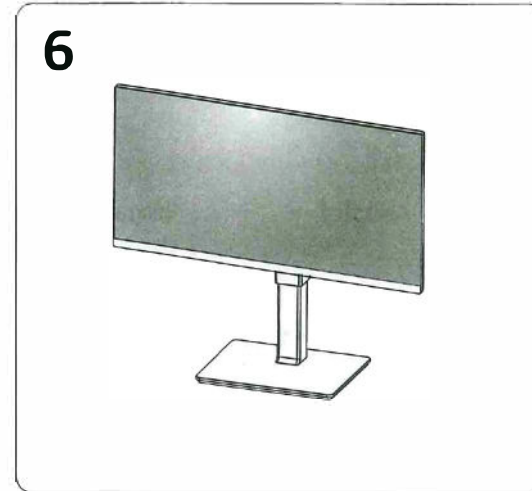
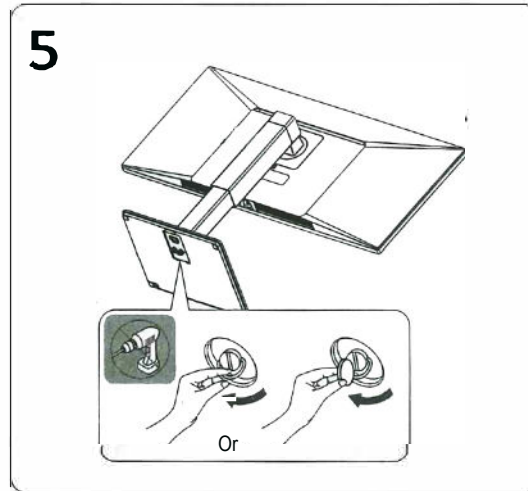
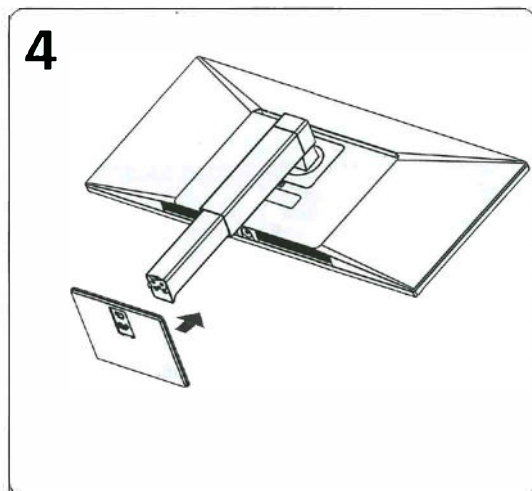
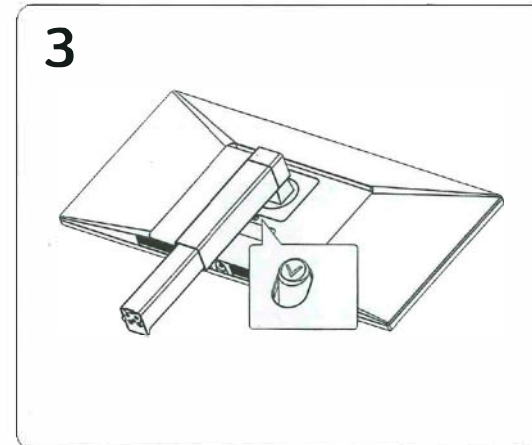
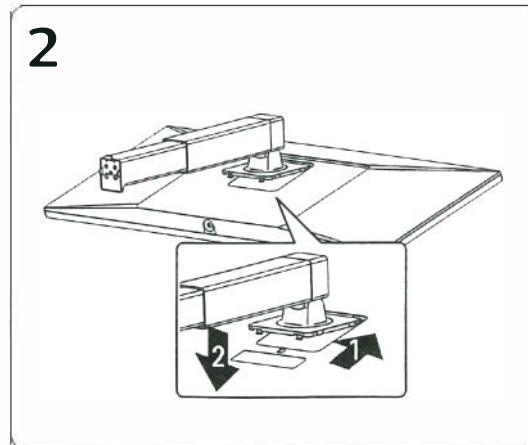
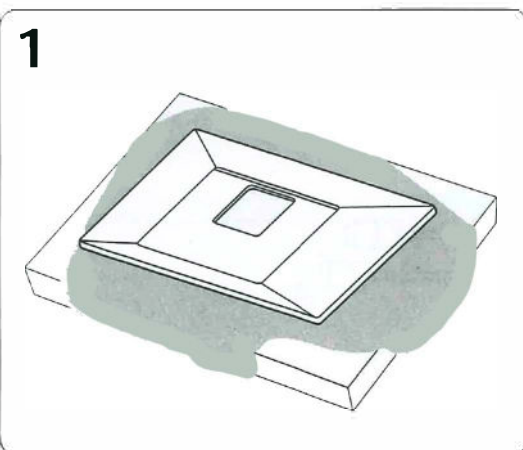
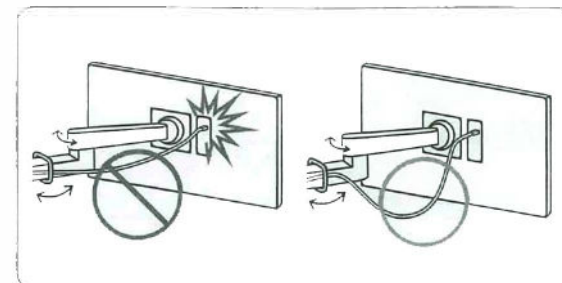
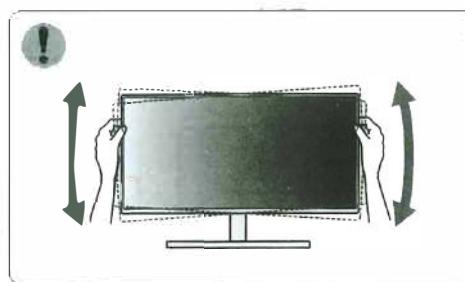
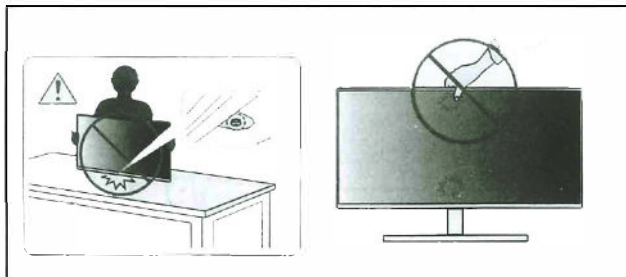
32UN55B



- Accessory type and quantity may vary depending on the model.
- The images shown here are for illustrative purposes only and may be subject to change.

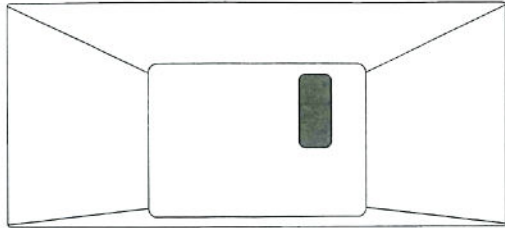


32BP57U

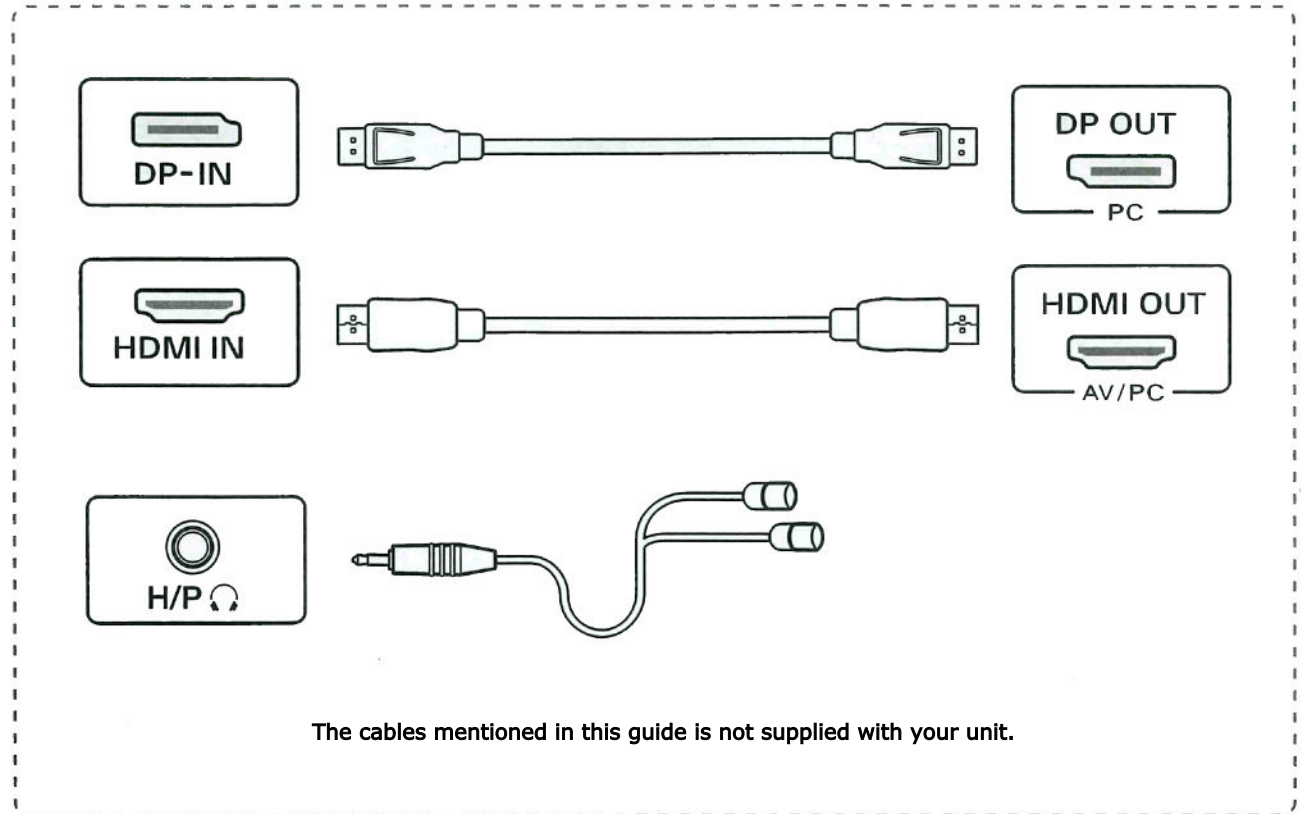


- Accessory type and quantity may vary depending on the model.

- The images shown here are for illustrative purposes only and may be subject to change.



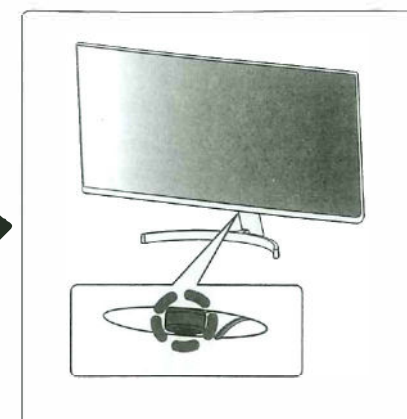
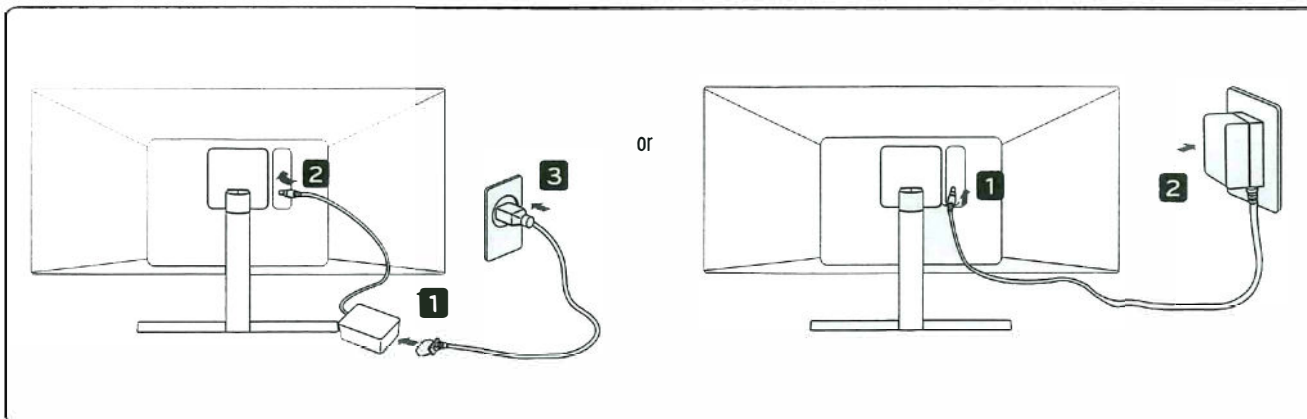
NOTE : The image shown here is for illustrative purposes only and may be subject to change. The actual number of ports and their locations may vary depending on the model.



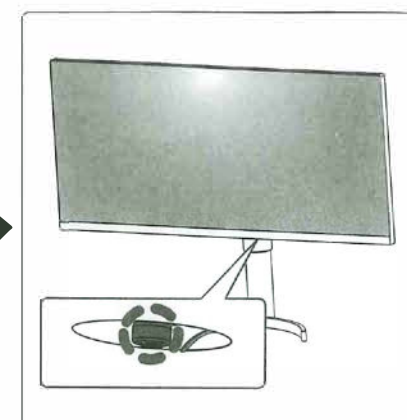
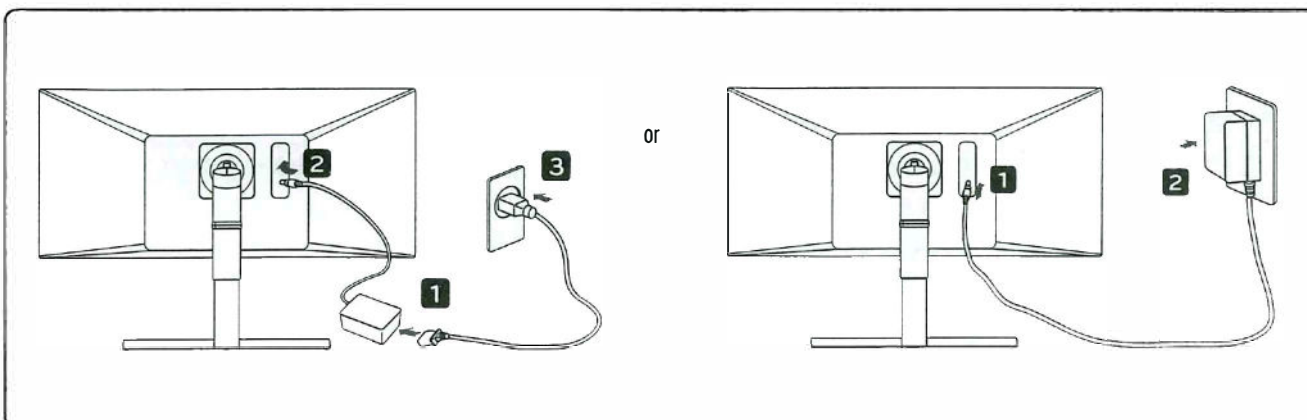
- Using a DVI to HDMI / DP (DisplayPort) to HDMI cable may cause compatibility issues.
- Make sure to use the supplied cable. Otherwise, this may cause the device to malfunction.



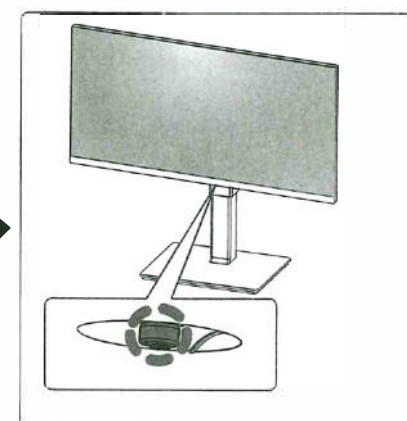
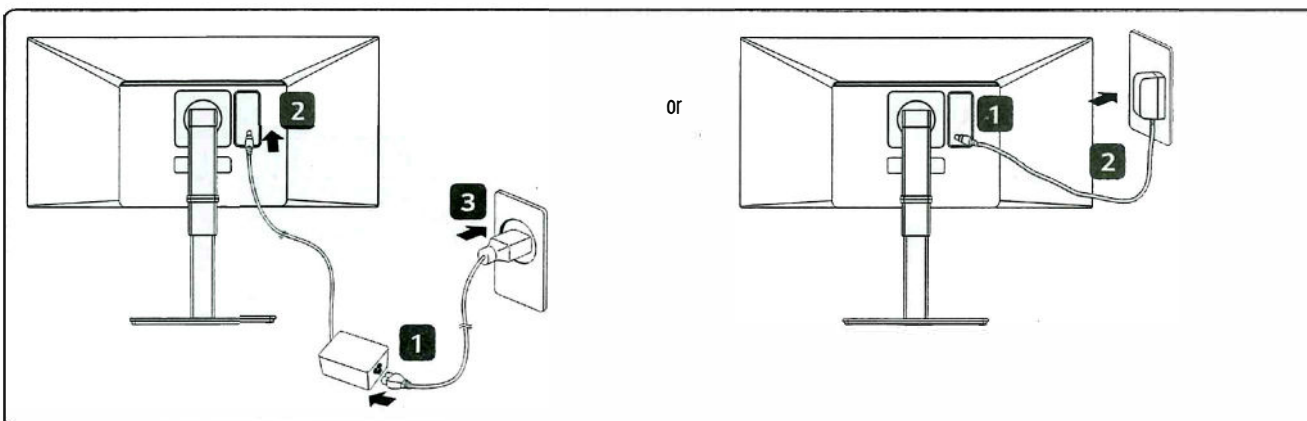
32UN500
32BN50U
32UP50S
32UN50B



32UN550
32UN55B



32BP57U



- Accessory type and quantity may vary depending on the model.
- The images shown here are for illustrative purposes only and may be subject to change.



English	Dimensions (Width x Height x Depth)			Weight		Recommend Resolution	Vertical Frequency
		With Stand	Without Stand	With Stand	Without Stand	3840 x 2160	60 Hz
	32UN500/32BN50U/ 32UP50S/32UN50B	714.3 x 512.3 x 208.8 (mm) 28.1 x 20.1 x 8.2 (inches)	714.3 x 420.0 x 45.7 (mm) 28.1 x 16.5 x 1.7 (inches)	7.7 kg 16.9(lbs)	6.7 kg 14.7(lbs)		
	32UN550/32UN55B	714.3 x 595.9 x 226.7 (mm) 28.1 x 23.4 x 8.9 (inches)	714.3 x 420.0 x 45.7 (mm) 28.1 x 16.5 x 1.7 (inches)	8.2 kg 18.0(lbs)	6.7 kg 14.7(lbs)		
	32BP57U	714.3 x 645.5 x 252.9 (mm)	714.3 x 420.0 x 45.7 (mm)	10.1 kg	6.7 kg		
		28.1 x 25.4 x 9.9 (inches)	28.1 x 16.5 x 1.7 (inches)	22.2(lbs)	14.7(lbs)		
					19 V $\overline{=}$ 3,42 A		
					100-240 V~ 50/60 Hz 1,5 A o 1,6 A		

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