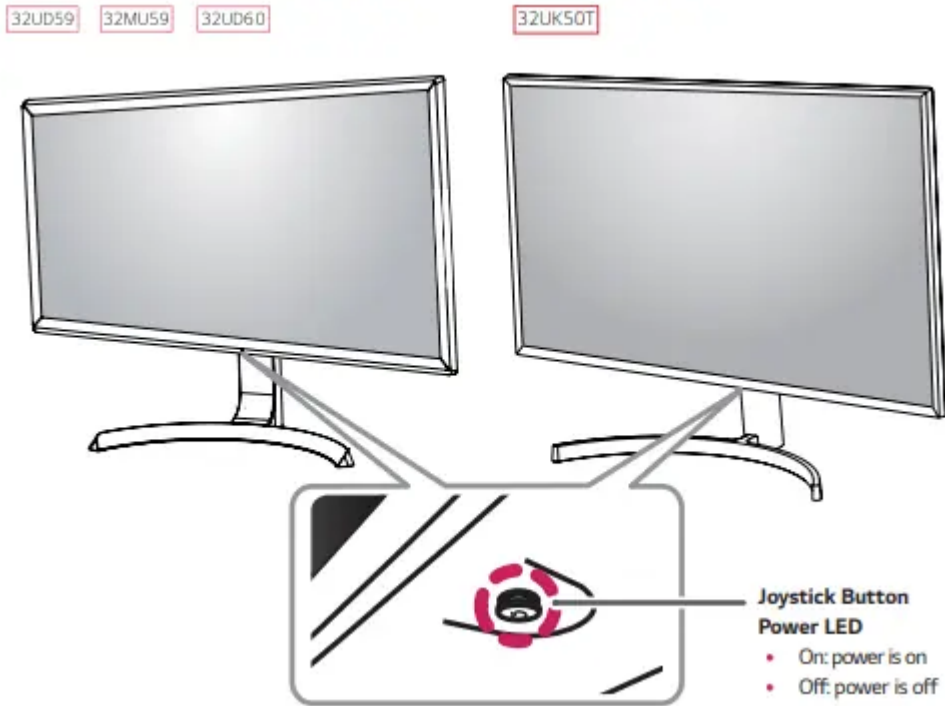


ASSEMBLING AND PREPARING

Component and Button Description



How to Use the Joystick Button

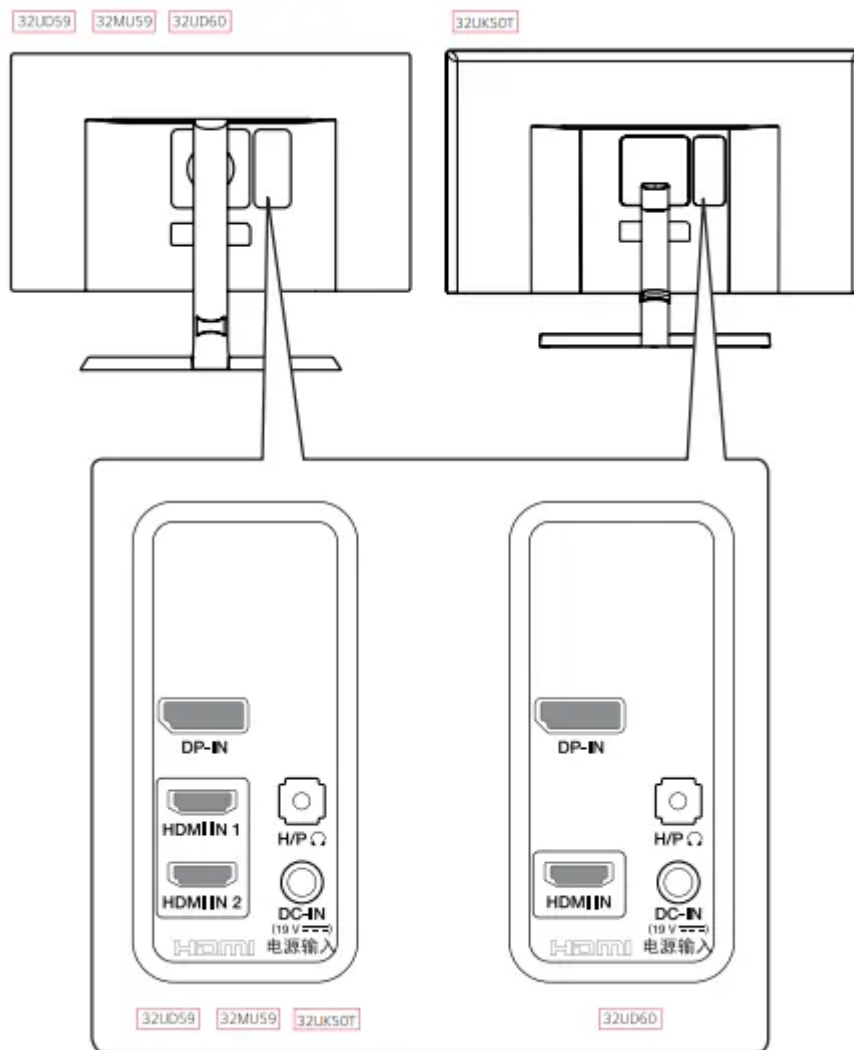
You can easily control the functions of the monitor by pressing the joystick button or moving it left/right with your finger.

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.

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

Input Connector



USING THE MONITOR

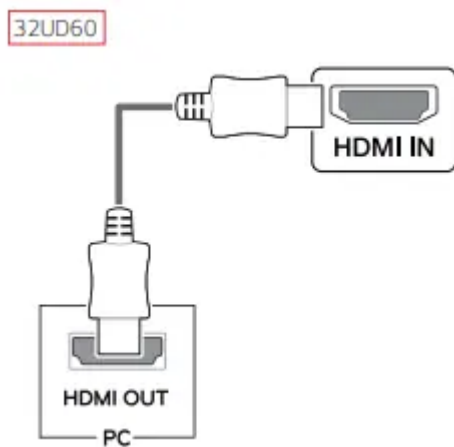
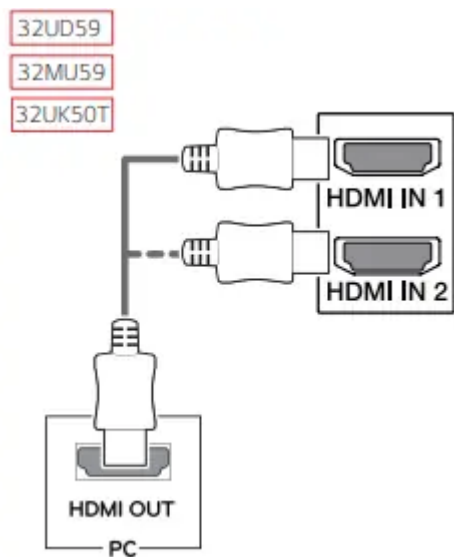
Connecting to a PC

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

Press the menu button and then select the input option from the input menu.

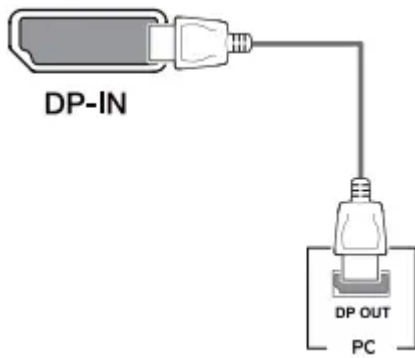


NOTE

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

DisplayPort connection

Transmits the digital video and audio signals from your PC to the monitor. Connect your PC to the monitor using the DisplayPort cable as illustrated below. Press the menu button and then select the input option from the input menu.



NOTE

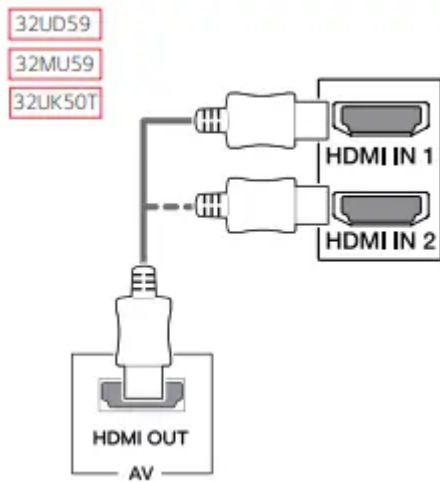
- There may be no video or audio output depending on the DP version of the PC.
- If you use generic cables not certified by LG, the screen may not display or there may be image noises.

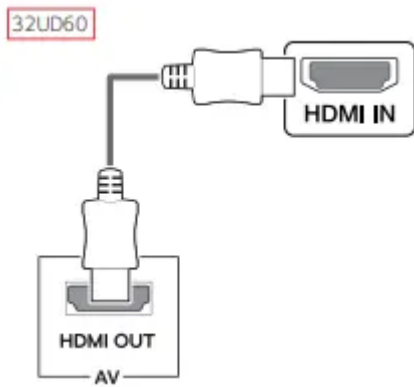
Connecting to AV Devices

HDMI connection

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

Press the menu button and then select the input option from the input menu.





NOTE

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

Connecting to External Devices

Connecting Headphones

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



(sold separately)

NOTE

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



Angled



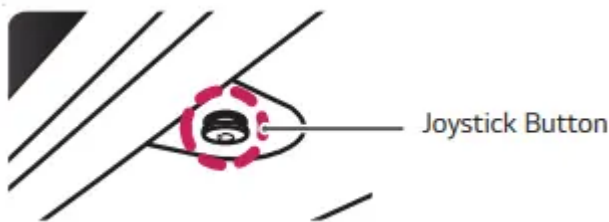
Straight




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

USER SETTINGS

Activating the Main Menu

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



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


Main Menu Features



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

User Settings

Menu Settings

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



Quick Settings



Input




Picture




General


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



Each option is described below.


Menu > Quick Settings	Description	
Brightness	Adjusts the color contrast and brightness of the screen.	
Contrast		
Volume	Adjusts the volume level.  NOTE • You can adjust Mute / Unmute by moving the joystick button to ▼ in the Volume menu.	
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. 32UD59 32MU59 32UK50T

Menu > 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.
	1:1	The aspect ratio is not adjusted from the original.
	 NOTE • The display may look the same for Full Wide , Original, and 1:1 options at the recommended resolution (3840 x 2160). • There is no 1:1 menu on FreeSync Mode. (Go to Picture → Game Adjust → FreeSync, to set FreeSync Option)	



Menu > 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 for photos.
	Cinema	Optimizes the screen for video.
	Dark Room 1	This mode adjusts the brightness to the optimal level for working in a dark environment.
	Dark Room 2	This mode sets the brightness to a lower level than Dark Room 1.
	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.

	FPS Game 1	This mode is optimized for FPS games.
	FPS Game 2	It has a higher Black Stabilizer value than FPS Game 1. It is suitable for very dark FPS games.
	RTS Game	This mode is optimized for RTS Game.
	Custom (Game)	In this mode, users can customize various elements including game-related options.
	 NOTE • If the picture mode is changed, the screen may flicker or the resolution of your PC screen may be affected.	

Picture Adjust	Brightness	Adjusts the brightness of the screen.		
	Contrast	Adjusts the contrast of the screen.		
	Sharpness	Adjusts the sharpness of the screen.		
	SUPER RESOLUTION+	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.	
		 NOTE <ul style="list-style-type: none"> 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). <ul style="list-style-type: none"> 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.	
	HDMI ULTRA HD Deep Color	Provides sharper images when connected to a device supporting ULTRA HD Deep Color.		
		4K@60 Hz Support Format¹⁾		
		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		-	
1) Supported when HDMI ULTRA HD Deep Color is set to On.				
 NOTE <ul style="list-style-type: none"> If the connected device does not support UHD Resolution the feature may not work properly. If a problem occurs, set the HDMI ULTRA HD Deep Color option to Off. 				
DFC	On	Adjusts the brightness automatically according to the screen.		
	Off	Disables the DFC feature.		

Game Adjust	Response Time	Sets a response time for displayed pictures based on the speed of the screen. For a normal environment, it is recommended that you use Normal . For a fast-moving picture, it is recommended that you use Fast . Setting to Fast may cause image sticking.	
		Fast	Sets the response time to Fast.
		Normal	Sets the response time to Normal.
		Slow	Sets the response time to Slow.
		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 <ul style="list-style-type: none"> 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, refer to AMD website at http://www.amd.com/FreeSync 	
		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.		

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.
		Custom	The user can adjust it to red, green, or blue by customization.
	Color Temp	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. 32UD59 32MUS9 32UK50T
		Red	You can customize the picture color using Red , Green , and Blue colors.
	Green		
	Blue		
	Six Color	Meets the user requirements for colors by adjusting the hue and saturation of the six colors (Red, Green, Blue, Cyan, Magenta and Yellow) and then saving the settings.	
		Hue	Adjusts the tone of the screen colors.
		Saturation	Adjusts the saturation of the screen colors. The lower the value, the less saturated and brighter the colors become. The higher the value, the more saturated and darker the colors become.
Picture Reset	Do you want to Picture reset your settings?		
	No	Cancel the selection.	
	Yes	Returns to the default settings.	

Menu > General	Description	
Language	Sets the menu screen to the desired language.	
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.
Power LED	Turns the power LED on the bottom of the monitor on or off.	
	On	The power LED turns on automatically.
	Off	The power LED turns off.
Automatic Standby	Feature that automatically turns off the monitor when there is no movement on the screen for a period of time. You can set a timer for the auto-off function. (Off, 4 H, 6 H, and 8 H)	
DisplayPort 1.2	Enable	Enables DisplayPort 1.2.
	Disable	Disables DisplayPort 1.2.
	 NOTE <ul style="list-style-type: none"> Be sure to configure this option according to the DisplayPort version supported by your graphics card. Set this option to Disable if your graphics card does not support DisplayPort 1.2. 	
Buzzer	This feature lets you set the sound generated from Buzzer when your monitor powers on to On or Off.	
	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 <ul style="list-style-type: none"> All features are disabled except Brightness, Contrast, Volume, Input, OSD Lock in General, and the Exit button. 	
OSD Size	User can select OSD Size to Large or Small.	
Reset	Do you want to reset your settings?	
	No	Cancel the selection.
	Yes	Returns to the default settings.

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.

TROUBLESHOOTING

Nothing is displayed on the screen.	
Is the monitor's power cord plugged in?	Check if the power cord is correctly plugged into the power outlet.
Is the power LED on?	Check the power cable connection and press the power button.
Is the power on and the power LED displaying white?	Check that the connected input is enabled (Menu > Input > Input list).
Is the OUT OF RANGE message being displayed?	This occurs when signals transferred from the PC (graphics card) are out of the horizontal or vertical frequency range of the monitor. Please see the Product Specification section of this manual to set the appropriate frequency.
Is the No Signal message being displayed?	This is displayed when the signal cable between the PC and the monitor is missing or disconnected. Check the cable and reconnect it.

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

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

NOTE

- Vertical frequency In order to display an image, the screen must be refreshed dozens of times per second, like a fluorescent lamp. The number of times the screen is refreshed per second is called vertical frequency, or refresh rate, and is represented by Hz.

- Horizontal frequency The time it takes to display one horizontal line is called the horizontal cycle. If 1 is divided by the horizontal interval, the result is the number of horizontal lines displayed per second. This is called horizontal frequency and is represented by kHz.

NOTE

- Check if the graphics card's resolution or frequency is within the range allowed by the monitor and set it to the recommended (optimal) resolution in Control Panel > Display > settings.
- Not setting the graphics card to the recommended (optimal) resolution may result in blurred text, a dimmed screen, a truncated display area, or misalignment of the display.
- The setting methods may be different depending on the computer or operating system, and some resolutions may not be available depending on the performance of the graphics card. If this is the case, contact the manufacturer of the computer or graphics card for assistance.
- Some graphics cards may not support 3840 x 2160 resolution. If the resolution cannot be displayed, contact the manufacturer of your graphics card.

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

Do you see an "Unrecognized monitor, Plug&Play (VESA DDC) monitor found" message?	
Have you installed the display driver?	Be sure to install the display driver from our website. Make sure to check if the video card supports Plug&Play function.



No sound from the headphone port or speaker.

Are images displayed using DisplayPort or HDMI input without sound?

Try increasing the volume using the button on the monitor.

Set the audio output of the PC to the monitor you are using. On Microsoft Windows, go to Control Panel > Hardware and Sound > Sound > set the monitor as default device.

Monitor does not work with external device such as AV Receiver, Blu-ray Player, DVD Player, Set-Top box, HDMI Repeater, etc.

Does the connected device support UHD resolution (HDMI 2.0)?

Some devices may have compatibility issues, e.g. no display, no sound, and abnormal color.

Set the HDMI ULTRA HD Deep Color to Off, go to Menu > Picture > Picture Adjust > HDMI ULTRA HD Deep Color

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

