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OWNER'S MANUAL LED MONITOR (LED Monitor*)

* LG LED Monitor applies LCD screen with LED backlights. Please read this manual carefully before operating your set and retain it for future reference.

 27UP850
 27UP850N

 27BP85U
 27BP85UN

 27UP80B
 27BP85UN

www.lg.com

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ASSEMBLING AND PREPARING

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

NOTE

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

Supported Drivers and Software

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

Drivers and Software	Installation Priority
Monitor Driver	Recommended
OnScreen Control	Recommended
Dual Controller	Optional
True Color Pro	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.
G	Power off	Press and hold the joystick button once more than 3 seconds with your finger to turn off the monitor.
≻</th <th>Volume control</th> <th>You can control the volume by moving the joystick button left/right.</th>	Volume control	You can control the volume by moving the joystick button left/right.

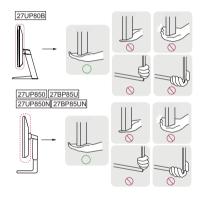
NOTE

• 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.





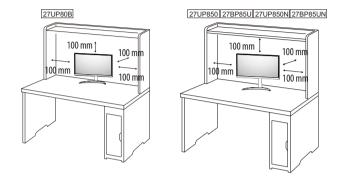
AUTION

- 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.

ENGLISH

Installing on a Table

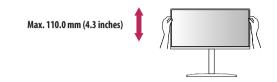
- Lift the monitor and place it on the table in an upright position. Place the monitor at least 100 mm (3.94 inches) away from the wall to ensure sufficient ventilation.



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

Adjusting the Stand Height (27UP850,27BP85U,27UP850N,27BP85UN)

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



WARNING

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

Adjusting the Angle

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

The angle of the screen can be adjusted forward or backward from -5° to 15° for a comfortable viewing experience. (27UP80B)

The angle of the screen can be adjusted forward or backward from -5° to 20° for a comfortable viewing experience. (27UP850 27BP85U 27UP850N 27BP85UN)

🛕 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.

27UP80B

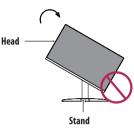


27UP850 27BP85U 27UP850N 27BP85UN



Pivot Feature 27UP850 27BP85U 27UP850N 27BP85UN

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



WARNING

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

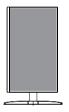


2 Adjust the angle of the monitor in the direction of the arrow as shown in the figure.



3 Rotate the monitor clockwise as shown in the figure.

4 Complete the installation by rotating the monitor 90° as shown below.



NOTE

- Auto Pivot feature of the display is not supported.
- The screen can be rotated easily using the screen pivot shortcut key provided with your Windows operating system. Note that some Windows versions and some graphics card drivers may use different settings for the screen pivot key or may not support the pivot key at all.

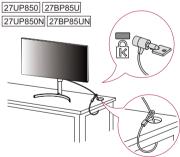
Using the Kensington Lock

The connector for the Kensington security system is located at the back of the monitor.

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

Connect the monitor to a table using the Kensington security system cable.





NOTE

• The Kensington security system is optional. You can obtain optional accessories from most electronics stores.

Installing the Wall Mount Plate

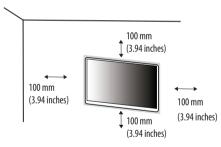
This monitor meets the specifications for the wall mount plate or other compatible devices.

NOTE

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

Installing on the Wall

Install the monitor at least 100 mm (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.

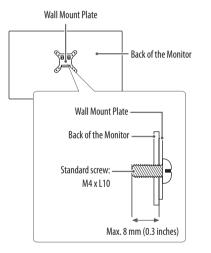
Wall Mount (mm)	100 x 100
Standard screw	M4 x L10
Number of screws	4
Wall Mount Plate (Optional)	LSW 149

NOTE

- A non-VESA standard screw may damage the product and cause the monitor to fall. LG Electronics is not liable for any accidents relating to the use of non-standard screws.
- The wall mount kit includes the installation guide and all necessary parts.
- The wall mounting bracket is optional. You can obtain optional accessories from your local dealer.
- The length of the screw may differ for each wall mounting bracket. If you use screws longer than the standard length, it may damage the inside of the product.
- · For more information, please refer to the user manual for the wall mounting bracket.

AUTION

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



USING THE MONITOR

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

Press the joystick button, go to $\textbf{Settings} \longrightarrow \textbf{Input},$ and then select the input option.

ENGLISH

- 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.

- 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 $\text{HDMI}^\circ/^{\text{TM}}$ cable with Ethernet

DisplayPort Connection

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

NOTE

- There may be no video or audio output depending on the DP (DisplayPort) version of the PC.
- If you are using a Mini DisplayPort output graphics card, use a Mini DP to DP (Mini DisplayPort to DisplayPort) cable or gender that supports DisplayPort1.2 or 1.4. (Sold separately)

USB-C connection

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

NOTE

- PD(Power Delivery) and DP Alternate Mode(DP over USB-C) are supported via USB-C Port.
- Features may not work properly depending on the connected device's specifications and the environment.
- USB-C port is not for the Monitor Power source but for a PC power source. Connect Adapter to supply power to the Monitor

Connecting AV Devices

HDMI Connection

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

- 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

USB Device connection

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

- It is recommended you install all Windows Updates to keep your Windows up-to-date before connecting to the product for use.
- Peripheral devices are sold separately.
- A keyboard, mouse, or USB device can be connected to the USB port.
- The charging speed may vary depending on the device.
- To use USB Downstream port of monitor, user must connect Upstream port of monitor to Host PC using USB C-C or USB C-A cable.
- When the USB C-C cable is connected between Upstream port of monitor and Host PC, the Downstream port of monitor support USB 2.0 device.
- When the USB C-A cable is connected between Upstream port of monitor and Host PC, the Downstream port of monitor support USB 3.0 device.

However, Host PC must support USB 3.0 function.

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

Headphones Connection

Connect peripherals to the monitor via the headphones port.

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



Analed



(Recommend)

USER SETTINGS

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.

Activating the Main Menu

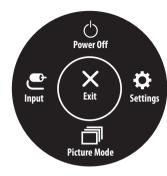


Press the joystick button on the bottom of the monitor.

- Move the joystick up/down and left/right to set the options.
- Press the joystick button once more to exit the main menu.

Button	Menu Status		Description
	Main menu disabled		Enables the main menu.
	Main menu enabled		Exits the main menu. (Holding down the button more than 3 seconds to turn off the monitor. You can turn off the monitor this way at any time, including when the OSD is on.)
		Main menu disabled	Adjusts the monitor volume level.
		Main menu enabled	Enters the Input features.
		Main menu disabled	Adjusts the monitor volume level.
	Main menu enabled		Enters the Settings feature.
		Main menu disabled	Enters the Accessibility menu.
	Main menu enabled		Turns off the monitor.
	▼ Main menu disabled Main menu enabled		Enters the Accessibility menu.
			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 (心) it.
- 4 If you want to exit the OSD menu, move the joystick to

Input







Picture





Quick Settings

Sound



neral

Quick Settings

Settings > Quick Settings	Description			
Brightness	Adjusts the contrast and hvightness of t	ha 22000		
Contrast	Adjusts the contrast and brightness of t	ie sueen.		
	Adjusts the volume.			
Volume	NOTE			
	 You can adjust Mute / Unmute by moving the joystick button to ▼ in the Volume menu. 			
Waves MaxxAudio®	On	MaxxAudio® by waves, recipient of a Technical GRAMMY Award® is a suite of studio-quality sound tools for a superior listening experience.		
waves maxxauuio	Off Disables the MaxxAudio function.			
	Custom The user can adjust it to red, green, or blue by customization. Warm Sets the screen color to a reddish tone.			
Color Temp	Medium	Sets the screen color between a red and blue tone.		
	Cool	Sets the screen color to a bluish tone.		
	Manual	anual The user can fine-tune the color temperature.		

Input

Settings > Input		Description		
Input List	Selects the input mode.	Selects the input mode.		
	Adjusts the aspect ratio of	djusts the aspect ratio of the screen.		
	Full Wide	Full Wide Displays the video in widescreen, regardless of the video signal input.		
Aspect Ratio	Original	Displays video according to the aspect ratio of the video signal input.		
	NOTE	() NOTE		
	The display may look t	he same for Full Wide, Original options at the recommended resolution (3840 x 2160).		

Picture

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

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

Settings > Picture	Description				
	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.			
	sRGB	A standard RGB color space for the monitor and printer.			
	DCI-P3	Suitable for watching digital videos.			
Picture Mode	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 be colors.				
	Calibration 1	Adjusts to the last calibrated screen.			
	Calibration 2 Adjusts to the previously calibrated screen.				
	O 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. Calibration 2 : Installation of TRUE COLOR PRO and proceeding Calibration will enable this menu. 				

[Picture Mode on HDR signal]

Settings > Picture	Description				
	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.				
Picture Mode	RTS This mode is optimized for RTS Game. Image: Description of the state of the s				

Settings > Picture		Description		
	Brightness	Adjusts the contrast and brightness of the screen.		
	Contrast			
	Sharpness	Adjusts the sharpness of the screen.		
		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.	
	SUPER RESOLUTION+	Low	Optimizes the screen for smooth and natural images. Best for still images or images with less movement.	
	SUPER RESOLUTION+	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. 		
Picture Adjust		Sets the offset level (for HDMI only). Offset: as a reference for a video signal, this is the darkest color the monitor can display. 		
	Black Level	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.	
		Provides global dimming effects depending on game or video content.		
		Faster	Preferably for PC gaming experiences.	
	Variable Backlight (Depending on the model, it may not be supported)	Fast	Preferably for console gaming experiences.	
		Normal	Preferably for playing video content and internet or word-processing.	
		Off	Disables the Variable Backlight feature.	
		The function ca	ature is enabled, a slight halo effect may be shown on dark backgrounds. This is normal and not a malfunction. In only be used on HDR content. ded to turn off when you are not using the gaming function.	

Settings > Picture	Description		
Distance & June	DFC	On	Adjusts the brightness automatically according to the screen.
Picture Adjust		Off	Disables the DFC feature.

	Description		
Pornanca Tima	For a normal er Setting to Fast	e time for displayed pictures based on the movement of the picture on the screen. nvironment, it is recommended that you use Fast . When there is a lot of motion, it is recommended that you use Faster . er may cause image sticking.	
Response fille		Sets the response time to faster. Sets the response time to fast.	
	Normal	Sets the response time to normal.	
	Off Does not use the response time improvement feature.		
FreeSync	CAUTION Supported Ir Supported G Supported V	 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, 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 ol Reducing the Black Stabilizer value darkens the low gray level area and increases the dynamic contrast on the scre		
		For a normal et Setting to Fast Faster Fast Normal Off Provides seam! • Supported It • For more infi Extended Basic Off You can control Increasing the	

Settings > Picture		-	Descrip	tion	
	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 in becomes.		
		Mode 4	If you do not need to adjust the gamma settings, select Mode 4.		
		Set your own color	r temperature.		
		Custom	The user can adjust it to red, gree	n, or blue by customization.	
	CalarTama	Warm	Sets the screen color to a reddish	tone.	
	Color Temp	Medium	Sets the screen color to between a red and blue tone.		
Color Adjust		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.			
		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.			
	Six Color	Hue	Adjusts the tone of the screen col	ors.	
	Satur	Saturation	Adjusts the saturation of the screen colors. The lower the value, the less saturated and brighter the colors become. The value, the more saturated and darker the colors become.		
Picture Reset	Do you want to recet your picture	ottings?	Yes	Returns to the default settings.	
	Do you want to reset your picture s	settings:	No	Cancel the select.	

ENGLISH

Sound

Settings > Sound	Description			
	Adjusts the volume level.			
Volume	() NOTE			
	• You can adjust Mute / Unmute by r	noving the joystick button to▼ in the Volume menu.		
W M #- @	On	MaxxAudio® by waves, recipient of a Technical GRAMMY Award® is a suite of studio-quality sound tools for a superior listening experience.		
Waves MaxxAudio®	Off	Disables the MaxxAudio function.		

General

Settings > General	Description		
Language	Sets the menu screen to the desired language.		
	Conserve energy by using luminance comp	ensation algorithm.	
	High	Saves energy using the high-efficiency SMART ENERGY SAVING feature.	
	Low	Saves energy using the low-efficiency SMART ENERGY SAVING feature.	
SMART ENERGY SAVING	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. 		
	When Deep sleep mode is enabled, powe	er consumption is minimized while the monitor is in standby mode.	
	On	Enables Deep sleep Mode.	
Deep Sleep Mode	Off	Disables Deep Sleep Mode.	
	 • USB HUB functions will not work in standby mode while Deep sleep Mode is enabled in standby mode. 		
	On	The power LED turns on automatically.	
	Off	The power LED turns off.	
Power LED	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 versior To use the HDR function, set to 1.4 .	n as the connected external device. (1.4, 1.2)	

Settings > General	Description					
	Provides sharper images when connected to a device supporting ULTRA HD Deep Color.					
		4K@ 60	Hz Support Format			
	Develoption	F	Color Depth / C	Chroma Sampling		
	Resolution	Frame rate(Hz)	8 bit	10 bit		
			YCb	Cr 4:2:0		
	3840 x 2160	59.94	YCb	Cr 4:2:2		
HDMI ULTRA HD Deep Color	5640 X 2 100	60.00	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". 					
	This feature lets you set the sound genera	This feature lets you set the sound generated from Buzzer when your monitor powers on.				
Buzzer	On	Enables your monitor's Buzzer .				
	Off Disables your monitor's Buzzer.					
	This feature disables the configuration and adjustment of menus.					
	On					
	Off Disables OSD Lock.					
OSD Lock	 NOTE The menus except the menus below are disabled. Brightness Contrast Volume Input List Aspect Ratio OSD Lock Information 					

Settings > General	Description		
OSD Size	User can select OSD Size to Large or Small.		
Information	The following display information will be shown; Total Power On Time, Resolution.		
Do you want to reset your settings? Yes Returns to the default settings.			
		Returns to the default settings.	
	No	Cancel the reset.	

TROUBLESHOOTING

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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 th	e 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 the manufacturer of the computer or graphics card for assistance. 			
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?• Be sure to install the display driver from our web site: http://www.lg.com.• Make sure to check if the graphics card supports Plug and Play function.				
No sound from the headphone port.	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

27UP850 27BP85U 27UP850N 27BP85UN

Color Depth	8-bit / 10-bit color is supported.			
	Max Resolution	3840 x 2160 @ 60 Hz		
Resolution	Recommended Resolution	3840 x 2160 @ 60 Hz		
	Power Rating	19.5V 10.0 A		
Power Sources	Power Consumption	On mode: 25 W Typ. (ENERGY STAR* standard) * Sleep Mode (Standby Mode) \leq 0.5 W (HDMI / DP input Condition) ** Off Mode \leq 0.3 W		
AC/DC adaptor	ACC-LATP1 type, SHENZHEN HONOR ELECTRONIC Output: 19.5 V 10.8 A	IOR ELECTRONIC		
	Operating Conditions	Temperature	0 °C to 40 °C (32 °F to 104 °F)	
Environmental Conditions		Humidity	Less than 80 %	
	Storing Conditions	Temperature	-20 °C to 60 °C (-4 °F to 140 °F)	
		Humidity	Less than 85 %	
	Monitor Size (Width x Height x Depth)			
Dimensions	With Stand	613.5 x 569.3 x 239.3 (mm)	24.1 x 22.4 x 9.4 (inches)	
	Without Stand	613.5 x 363.5 x 45.4 (mm)	24.1 x 14.3 x 1.7 (inches)	
Wainks (With and Darkaning)	With Stand	5.9 kg	13.0 lbs	
Weight (Without Packaging)	Without Stand	4.1 kg	9.0 lbs	

The specifications are subject to change without notice.

The \sim 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 ENERGY STAR® test standard.

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

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

PRODUCT SPECIFICATION

27UP80B

Color Depth	8-bit / 10-bit color is supported.			
Resolution	Max Resolution	3840 x 2160 @ 60 Hz		
Resolution	Recommended Resolution	3840 x 2160 @ 60 Hz		
	Power Rating	19.5 V 10.0 A		
Power Sources	Power Consumption	On mode: 25 W Typ. (ENERGY STAR [®] standard) * Sleep Mode (Standby Mode) ≤ 0.5 W (HDMI / DP input Condition) ** Off Mode ≤ 0.3 W		
AC/DC adaptor	ACC-LATP1 type, SHENZHEN HONOR ELECTRONIC Output: 19.5 V 10.8 A	c		
	Operating Conditions	Temperature	0 °C to 40 °C (32 °F to 104 °F)	
Environmental Conditions		Humidity	Less than 80 %	
Environmental Conditions	Storing Conditions	Temperature	-20 °C to 60 °C (-4 °F to 140 °F)	
		Humidity	Less than 85 %	
	Monitor Size (Width x Height x Depth)	x Height x Depth)		
Dimensions	With Stand	613.5 x 454.8 x 211.5 (mm)	24.1 x 17.9 x 8.3 (inches)	
	Without Stand	613.5 x 363.5 x 45.4 (mm)	24.1 x 14.3 x 1.7 (inches)	
Wainks (With aut Dadrasing)	With Stand	4.4 kg	9.6 lbs	
Weight (Without Packaging)	Without Stand	3.8 kg	8.3 lbs	

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 ENERGY STAR® test standard.

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

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

Factory Support Mode (Preset Mode, PC)

DisplayPort/ USB-C

ENGLISH

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	65.69	29.98	+/-	
3840 x 2160	134.4	60	+/-	DP/USB-C Preferred timing

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	65.69	29.98	+/-	HDMI Preferred timing, HDMI ULTRA HD Deep Color : Off
3840 x 2160	133.31	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	
720р	45.0	60	
1080p	67.5	60	
2160p	135	60	

Beep Guide

Menu	Location
Quick Settings	1
Quick Settings - Brightness	11
Quick Settings - Brightness	111Slider
Quick Settings - Contrast	12
Quick Settings - Contrast	1 2 1 Slider
Quick Settings - Volume	13
Quick Settings - Volume	1 3 1 Slider
Quick Settings - Waves MaxxAudio®	1 4 Toggle
Quick Settings - Color Temp	15
Quick Settings - Color Temp - Custom	151
Quick Settings - Color Temp - Warm	152
Quick Settings - Color Temp - Medium	153
Quick Settings - Color Temp - Cool	154
Quick Settings - Color Temp - Manual	155
Quick Settings - Color Temp - Manual	1 5 5 1 Slider
Input	2
Input - Input List	21
Input - Input List - HDMI1	211
Input - Input List - HDMI2	212
Input - Input List - Displayport	213
Input - Input List - USB-C	214
Input - Aspect Ratio	22

Menu	Location
Input - Aspect Ratio - Full Wide	221
Input - Aspect Ratio - Original	222
Picture	3
Picture - Picture Mode	31
Picture - Picture Mode - Custom	311
Picture - Picture Mode - Vivid	312
Picture - Picture Mode - HDR Effect	313
Picture - Picture Mode - Reader	314
Picture - Picture Mode - Cinema	315
Picture - Picture Mode - sRGB	316
Picture - Picture Mode - DCI-P3	317
Picture - Picture Mode - FPS	318
Picture - Picture Mode - RTS	319
Picture - Picture Mode - Color Weakness	3 1 10
Picture - Picture Mode - Calibration 1	3111
Picture - Picture Mode - Calibration 2	3 1 12
Picture - Picture Adjust	3 2
Picture - Picture Adjust - Brightness	321
Picture - Picture Adjust - Brightness	3 2 1 1 Slider
Picture - Picture Adjust - Contrast	322
Picture - Picture Adjust - Contrast	3 2 2 1 Slider
Picture - Picture Adjust - Sharpness	323

Menu	Location
Picture - Picture Adjust - Sharpness	3 2 3 1 Slider
Picture - Picture Adjust - SUPER RESOLUTION+	324
Picture - Picture Adjust - SUPER RESOLUTION+ - High	3241
Picture - Picture Adjust - SUPER RESOLUTION+ - Middle	3242
Picture - Picture Adjust - SUPER RESOLUTION+ - Low	3243
Picture - Picture Adjust - SUPER RESOLUTION+ - Off	3244
Picture - Picture Adjust - Black Level	325
Picture - Picture Adjust - Black Level - High	3251
Picture - Picture Adjust - Black Level - Low	3252
Picture - Picture Adjust - Variable Backlight	326
Picture - Picture Adjust - Variable Backlight - Faster	3261
Picture - Picture Adjust - Variable Backlight - Fast	3262
Picture - Picture Adjust - Variable Backlight - Normal	3263
Picture - Picture Adjust - Variable Backlight - Off	3264
Picture - Picture Adjust - DFC	3 2 7 Toggle
Picture - Game Adjust	33
Picture - Game Adjust - Response Time	331
Picture - Game Adjust - Response Time - Faster	3311
Picture - Game Adjust - Response Time - Fast	3312
Picture - Game Adjust - Response Time - Normal	3313
Picture - Game Adjust - Response Time - Off	3314
Picture - Game Adjust - FreeSync	332

ENGLISH

Menu	Location
Picture - Game Adjust - FreeSync - Extended	3321
Picture - Game Adjust - FreeSync - Basic	3322
Picture - Game Adjust - FreeSync - Off	3323
Picture - Game Adjust - Black Stabilizer	333
Picture - Game Adjust - Black Stabilizer	3 3 3 1 Slider
Picture - Color Adjust	34
Picture - Color Adjust - Gamma	341
Picture - Color Adjust - Gamma - Mode 1	3411
Picture - Color Adjust - Gamma - Mode 2	3412
Picture - Color Adjust - Gamma - Mode 3	3413
Picture - Color Adjust - Gamma - Mode 4	3414
Picture - Color Adjust - Color Temp	342
Picture - Color Adjust - Color Temp - Custom	3421
Picture - Color Adjust - Color Temp - Warm	3422
Picture - Color Adjust - Color Temp - Medium	3423
Picture - Color Adjust - Color Temp - Cool	3424
Picture - Color Adjust - Color Temp - Manual	3425
Picture - Color Adjust - Color Temp - Manual	3 4 2 5 1 Slider
Picture - Color Adjust - Red	343
Picture - Color Adjust - Red	3 4 3 1 Slider
Picture - Color Adjust - Green	344
Picture - Color Adjust - Green	3 4 4 1 Slider
Picture - Color Adjust - Blue	3 4 5

Menu	Location
Picture - Color Adjust - Blue	3 4 5 1 Slider
Picture - Color Adjust - Six Color	346
Picture - Color Adjust - Six Color - Red Hue	3461
Picture - Color Adjust - Six Color - Red Hue	34611Slider
Picture - Color Adjust - Six Color - Red Saturation	3462
Picture - Color Adjust - Six Color - Red Saturation	3 4 6 2 1 Slider
Picture - Color Adjust - Six Color - Green Hue	3463
Picture - Color Adjust - Six Color - Green Hue	3 4 6 3 1 Slider
Picture - Color Adjust - Six Color - Green Saturation	3464
Picture - Color Adjust - Six Color - Green Saturation	3 4 6 4 1 Slider
Picture - Color Adjust - Six Color - Blue Hue	3465
Picture - Color Adjust - Six Color - Blue Hue	3 4 6 5 1 Slider
Picture - Color Adjust - Six Color - Blue Saturation	3466
Picture - Color Adjust - Six Color - Blue Saturation	3 4 6 6 1 Slider
Picture - Color Adjust - Six Color - Cyan Hue	3467
Picture - Color Adjust - Six Color - Cyan Hue	3 4 6 7 1 Slider
Picture - Color Adjust - Six Color - Cyan Saturation	3468
Picture - Color Adjust - Six Color - Cyan Saturation	3 4 6 8 1 Slider
Picture - Color Adjust - Six Color - Magenta Hue	3469
Picture - Color Adjust - Six Color - Magenta Hue	34691Slider
Picture - Color Adjust - Six Color - Magenta Saturation	34610
Picture - Color Adjust - Six Color - Magenta Saturation	3 4 6 10 1 Slider
Picture - Color Adjust - Six Color - Yellow Hue	34611

Menu	Location
Picture - Color Adjust - Six Color - Yellow Hue	3 4 6 11 1 Slider
Picture - Color Adjust - Six Color - Yellow Saturation	3 4 6 12
Picture - Color Adjust - Six Color - Yellow Saturation	3 4 6 12 1 Slider
Picture - Picture Reset	3 5
Picture - Picture Reset - Yes	3 5 1
Picture - Picture Reset - No	3 5 2
Sound	4
Sound - Volume	41
Sound - Volume	4 1 1 Slider
Sound - Waves MaxxAudio®	4 2 Toggle
General	5
General - Language	5 1
General - Language - English	511
General - Language - German	512
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General - Language - Spanish	514
General - Language - Italian	515
General - Language - Swedish	516
General - Language - Finnish	517
General - Language - Portuguese	518
General - Language - Portuguese (Brazil)	519
General - Language - Polish	5 1 10

Menu	Location
General - Language - Russian	5111
General - Language - Greek	5 1 12
General - Language - Ukrainian	5 1 13
General - Language - Chinese	5114
General - Language - Traditional Chinese	5 1 15
General - Language - Japanese	5 1 16
General - Language - Korean	5117
General - SMART ENERGY SAVING	52
General - SMART ENERGY SAVING - High	521
General - SMART ENERGY SAVING - Low	522
General - SMART ENERGY SAVING - Off	523
General - Deep Sleep Mode	5 3 Toggle
General - Power LED	5 4 Toggle
General - Automatic Standby	55
General - Automatic Standby - 8H	551
General - Automatic Standby - 6H	552
General - Automatic Standby - 4H	553
General - Automatic Standby - Off	554
General - DisplayPort Version	56
General - DisplayPort Version - 1.4	561
General - DisplayPort Version - 1.2	562
General - HDMI ULTRA HD Deep Color	5 7 Toggle
General - Buzzer	5 8 Toggle

Menu	Location
General - OSD Lock	5 9 Toggle
General - OSD Size	5 10
General - OSD Size - Small	5 10 1
General - OSD Size - Large	5 10 2
General - Information	5 11
General - Information	5 11 1
General - Reset to Initial Setting	5 12
General - Reset to Initial Setting - Yes	5 12 1
General - Reset to Initial Setting - No	5 12 2



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	

The model and serial number of the product are located on the back and on one side of the product. Record them below in case you ever need service.

Model _____

Serial No.



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 ${\rm STAR}^{\odot}$ certification.

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