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> LG UltraFine UHD 27-Inch 4K UHD 2160p Computer Monitor 27UN850-W User Manual

LG 27UN850-W

LG UltraFine UHD 27-Inch 4K UHD 2160p Computer Monitor

Model: 27UN850-W

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your LG UltraFine UHD 27-Inch 4K UHD 2160p Computer Monitor, model 27UN850-W. Please read this manual thoroughly before operating the product and retain it for future reference. This monitor is designed to deliver stunning 4K UHD resolution with accurate colors and versatile connectivity options, including USB-C.



Front view of the LG UltraFine UHD 27-Inch 4K Monitor, showcasing its sleek design and vibrant display capabilities.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent damage to the product and ensure user safety:

- Do not place the monitor near heat sources or in direct sunlight.
- Ensure proper ventilation around the monitor.
- Use only the power cord and adapter supplied by the manufacturer.
- Do not insert any metal objects into the monitor's openings.
- Disconnect the power plug during lightning storms or when unused for long periods.
- Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the box before proceeding with setup:

- LG UltraFine UHD 27-Inch 4K Monitor (27UN850-W)
- Stand Base

- Stand Neck
- Power Adapter
- Power Cord
- HDMI Cable
- DisplayPort Cable
- USB Type-C Cable
- User Manual (this document)
- Installation CD (may be included)

4. SETUP

4.1 Assembling the Stand

1. Carefully place the monitor face down on a soft, clean surface to prevent scratches.
2. Attach the stand neck to the monitor's rear. Ensure it clicks securely into place.
3. Connect the stand base to the stand neck and tighten the screw at the bottom of the base.

4.2 Connecting Cables

Connect the necessary cables to the monitor's rear ports. The 27UN850-W offers versatile connectivity:

- **HDMI:** Connect an HDMI cable from your computer or device to one of the monitor's HDMI ports.
- **DisplayPort:** Connect a DisplayPort cable for high-resolution video and audio.
- **USB-C:** Use the USB Type-C cable for video, data, and power delivery (up to 60W) with compatible devices. This single cable can simplify your setup.
- **USB Downstream:** Connect USB devices like keyboards or mice to the USB downstream ports.



Rear view of the LG UltraFine monitor, highlighting the accessible input ports including HDMI, DisplayPort, and USB-C.



A diagram demonstrating the versatility of USB-C connectivity, allowing for video, data transfer, and power delivery through a single cable.

4.3 Power Connection

Connect the power adapter to the monitor's DC-IN port, then plug the power cord into a wall outlet.

5. OPERATING THE MONITOR

5.1 Power On/Off

Press the joystick button located at the bottom center of the monitor to turn it on or off.

5.2 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Use the joystick button to navigate:

- **Press Joystick:** Opens the main OSD menu.
- **Move Joystick Up/Down:** Navigates through menu options.
- **Move Joystick Left/Right:** Adjusts values or enters sub-menus.
- **Press Joystick (again):** Confirms selection.

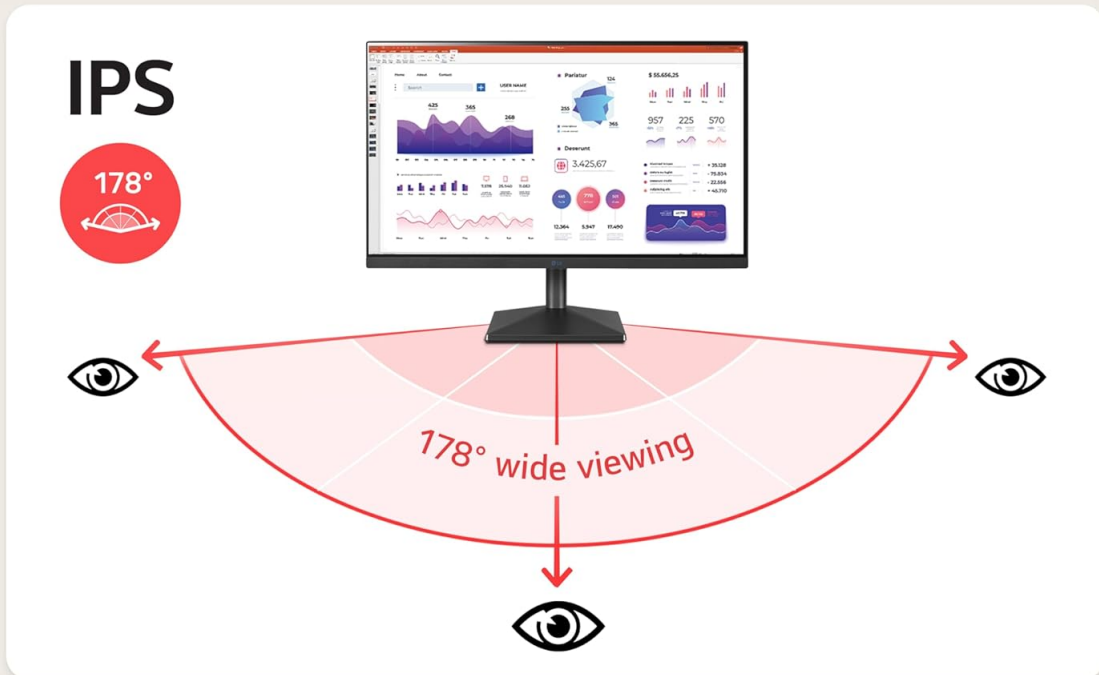
5.3 Key Features and Adjustments

Your LG UltraFine monitor comes with advanced features for an enhanced viewing experience:

- **4K UHD Resolution (3840x2160):** Experience incredibly sharp and detailed visuals.
- **IPS Display:** Enjoy consistent and accurate colors from wide viewing angles (178°).

IPS Display

Clear display at wide viewing angles.



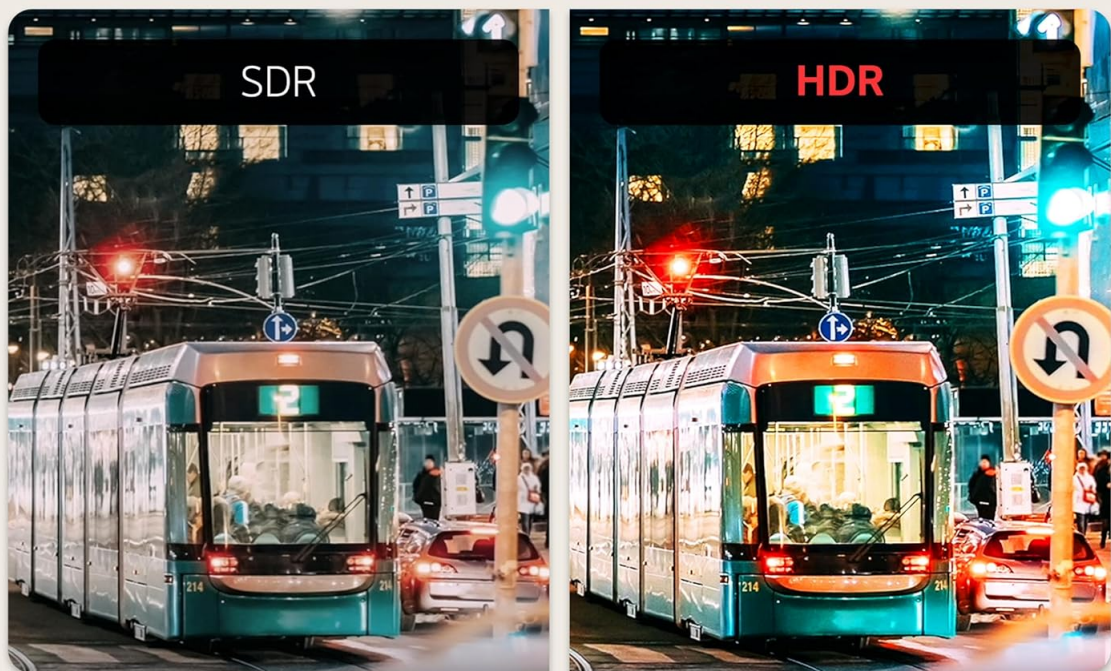
*Dramatized for illustrative purposes.

An illustration demonstrating the wide 178-degree viewing angles provided by the IPS panel, ensuring consistent color and clarity from various positions.

- **VESA DisplayHDR 400:** Delivers vibrant colors and improved contrast for a more immersive visual experience.

HDR (High Dynamic Range)

Bright, high contrast visuals.



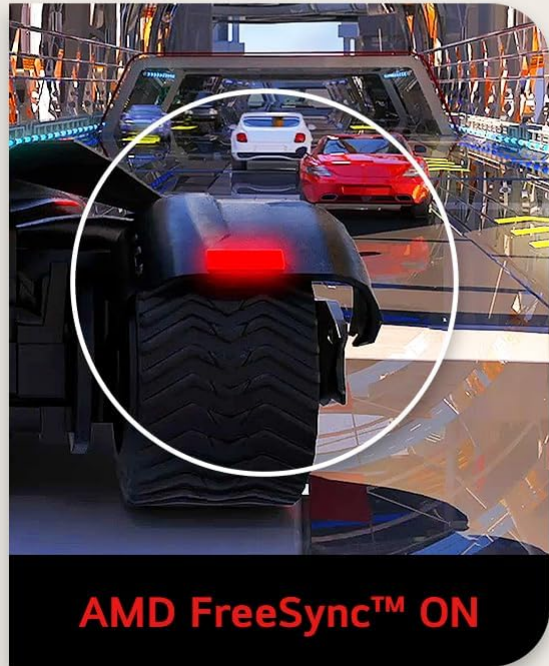
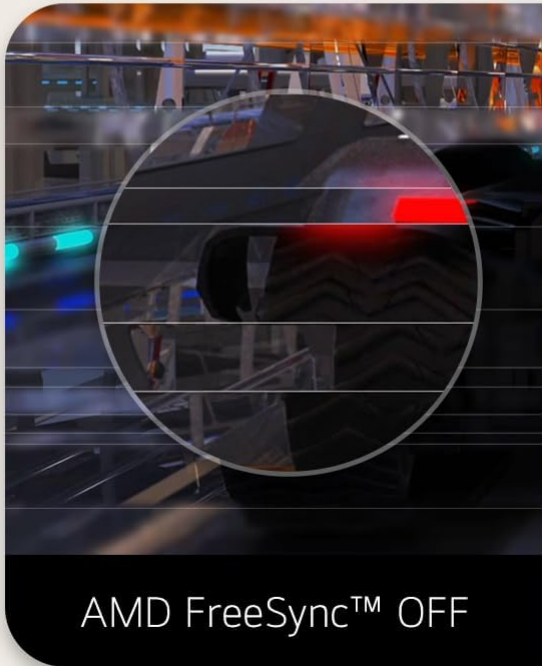
*Dramatized for illustrative purposes.

A visual comparison between Standard Dynamic Range (SDR) and High Dynamic Range (HDR) content, illustrating how HDR provides brighter highlights and deeper shadows for enhanced contrast.

- **AMD FreeSync™:** Reduces screen tearing and stuttering for smoother gaming and video playback with compatible AMD graphics cards.

AMD FreeSync™

Tear-free graphics. Smoother experience.



*Simulated image for illustrative purposes only. It may differ from the actual use and model.

A side-by-side comparison demonstrating the effect of AMD FreeSync, showing tear-free and smoother graphics when the feature is enabled, compared to noticeable tearing when it is off.

- **sRGB 99% Color Gamut:** Ensures highly accurate color reproduction, ideal for graphic design and photography.

sRGB 99%

Vivid colors. True brilliance.



*Simulated image for illustrative purposes only. It may differ from the actual use and model.

A visual comparison illustrating the difference between conventional color reproduction and sRGB 99% coverage, highlighting the more vivid and accurate colors achieved with the latter.

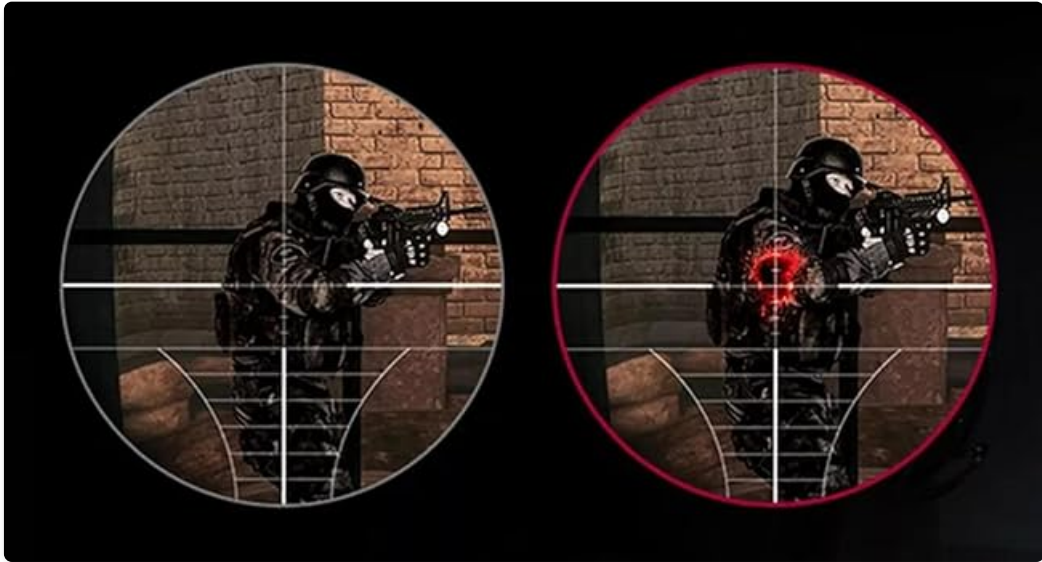
- **On-Screen Control:** Software that allows you to easily adjust monitor settings, including Screen Split for efficient multitasking, directly from your PC.



A screenshot of the LG On-Screen Control software interface, demonstrating its Screen Split feature for organizing multiple windows and the Monitor Setting options for easy adjustments.

- **Game Modes:** Optimize display settings for specific game genres, including First-Person Shooter (FPS)

and Real-Time Strategy (RTS) modes.



An image depicting a game scene with an on-screen display showing options for FPS (First-Person Shooter) and RTS (Real-Time Strategy) game modes, allowing users to optimize settings for different gaming experiences.

5.4 Adjusting the Stand

The monitor stand allows for ergonomic adjustments:

- **Height Adjustment:** Gently push or pull the monitor up or down to set the desired height.
- **Tilt Adjustment:** Tilt the monitor screen forward or backward to find the optimal viewing angle.



Side view of the LG monitor illustrating its adjustable height range, allowing users to customize the display position for ergonomic comfort.

6. MAINTENANCE

Proper maintenance ensures the longevity of your monitor:

- **Cleaning the Screen:** Use a soft, lint-free cloth slightly dampened with water or a specialized screen cleaner. Do not spray cleaner directly onto the screen.
- **Cleaning the Casing:** Wipe the monitor casing with a soft, dry cloth. Avoid abrasive cleaners.
- **Storage:** If storing the monitor for an extended period, disconnect all cables and store it in a cool, dry place.

7. TROUBLESHOOTING

If you encounter issues with your monitor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Power cord not connected; Power outlet faulty.	Ensure power cord is securely connected to monitor and outlet. Test outlet with another device.
No Signal	Video cable not connected; Incorrect input selected.	Check video cable (HDMI, DisplayPort, USB-C) connections. Use OSD to select correct input source.
Screen Flickering	Refresh rate mismatch; Cable issue; FreeSync setting.	Adjust refresh rate in PC display settings. Try a different cable. Check AMD FreeSync setting in OSD.
Image Too Dark/Bright	Brightness/Contrast settings.	Adjust Brightness and Contrast settings via the OSD menu.
No Sound	Audio cable not connected; Monitor volume too low; PC audio output settings.	Ensure audio is routed correctly (e.g., via HDMI/DP/USB-C). Increase monitor volume. Check PC sound settings.

If the problem persists after trying these solutions, please contact LG customer support.

8. SPECIFICATIONS

Detailed technical specifications for the LG UltraFine UHD 27UN850-W Monitor:

Feature	Specification
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Feature	Specification
Standing screen display size	27 Inches
Screen Resolution	3840x2160 (4K UHD)
Max Screen Resolution	3840 x 2160 Pixels
Number of USB 2.0 Ports	1 (USB-A downstream)
Brand	LG
Series	UltraFine
Item model number	27UN850-W
Item Weight	13.5 pounds
Product Dimensions	8.2 x 27.2 x 19.4 inches
Color	Silver
Voltage	240 Volts
Manufacturer	LG Electronics
Date First Available	July 1, 2020
Aspect Ratio	16:9
Screen Surface Description	Matte

9. WARRANTY AND SUPPORT

Your LG UltraFine monitor is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official LG website.

For technical support, troubleshooting assistance, or service requests, please contact LG Customer Service.

You can also find additional resources, including a downloadable PDF user guide, on the LG support website or via the link below:

Official User Guide (PDF):

<https://manuals.plus/m/d31255c49d3f2f7b86665cbb5397f178d8696cd9601068cfa2739d3ab6505696>

Note: No official seller videos were found for embedding based on the provided product data.

