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- › [LG](#) /
- › [LG 27-inch Ultragear OLED Gaming Monitor QHD 1440p 240Hz 0.03ms](#)

LG 27GS93QE-B.AUS

LG UltraGear OLED Gaming Monitor User Manual

Model: 27GS93QE-B.AUS

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your LG 27-inch Ultragear OLED Gaming Monitor. Please read this manual thoroughly before using the product to ensure proper and safe operation.



Figure 1: Front view of the LG 27-inch UltraGear OLED Gaming Monitor.

2. WHAT'S IN THE BOX

Verify that all components are present in the product packaging:

- Monitor
- Power Adapter
- DisplayPort Cable
- HDMI Cable
- USB Upstream Cable
- Quick Setup Guide
- Warranty Information



Figure 2: Contents included in the LG Ultragear monitor packaging.

3. PRODUCT OVERVIEW

Familiarize yourself with the monitor's physical features and connection ports.

3.1. Physical Features

- **27-inch OLED Display:** QHD (2560x1440) resolution with vibrant colors and true blacks.
- **Virtually Borderless Design:** Maximizes screen space for an immersive experience.
- **Adjustable Stand:** Supports height, tilt, and pivot adjustments for optimal viewing comfort.
- **Anti-Glare / Low Reflection:** Minimizes distractions from ambient light.





Figure 3: Side view illustrating the height adjustment range of the monitor.

3.2. Connection Ports

The monitor features multiple ports for versatile connectivity:

- 2 x HDMI 2.1 Ports
- 1 x DisplayPort 1.4

- 2 x USB 3.0 Downstream Ports
- 1 x USB 3.0 Upstream Port
- 1 x DC-IN Power Input
- 1 x Headphone Out (4-pole)



Figure 4: Rear view of the monitor highlighting the various input and output ports.

4. SETUP GUIDE

4.1. Assembling the Stand

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand base to the stand arm using the provided screws.
3. Align the stand arm with the mounting point on the back of the monitor and gently push until it clicks into place.
4. Ensure all connections are secure.

4.2. Connecting to a Device

1. Connect the DisplayPort or HDMI cable from your PC or console to the corresponding port on the monitor.
2. Connect the power adapter to the DC-IN port on the monitor, then plug the power cable into a wall outlet.
3. (Optional) Connect the USB upstream cable from your PC to the monitor to enable the USB 3.0 downstream ports.
4. (Optional) Connect headphones to the 4-pole headphone out jack.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off

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

5.2. Navigating the On-Screen Display (OSD) Menu

Use the joystick button to navigate the OSD menu:

- Press the joystick once to open the main OSD menu.
- Move the joystick up/down/left/right to select menu options.
- Press the joystick to confirm a selection.
- Move the joystick left to go back or exit the menu.

5.3. Game Modes and Features

The monitor offers various game-specific modes and features for an optimized experience:

- **Gamer Mode:** Pre-set modes (Gamer 1, Gamer 2) for different game genres.
- **FPS Mode:** Optimizes settings for First-Person Shooter games.
- **RTS Mode:** Optimizes settings for Real-Time Strategy games.
- **Black Stabilizer:** Enhances visibility in dark areas of games.
- **Crosshair:** Provides an on-screen crosshair for improved aiming.
- **FPS Counter:** Displays the current frames per second on screen.

6. DISPLAY TECHNOLOGIES

- **240Hz Refresh Rate:** Provides ultra-smooth motion for competitive gaming.
- **0.03ms (GtG) Response Time:** Virtually eliminates motion blur and ghosting.
- **VESA DisplayHDR True Black 400:** Delivers deep blacks and high contrast for stunning HDR visuals.
- **NVIDIA G-SYNC Compatible & AMD FreeSync Premium Pro:** Ensures tear-free and stutter-free gameplay by synchronizing the monitor's refresh rate with your GPU's frame rate.

LG UltraGear™ OLED

**NVIDIA® G-SYNC® Compatible &
AMD FreeSync™ Premium Pro
for fluid, virtually tear-free gaming**

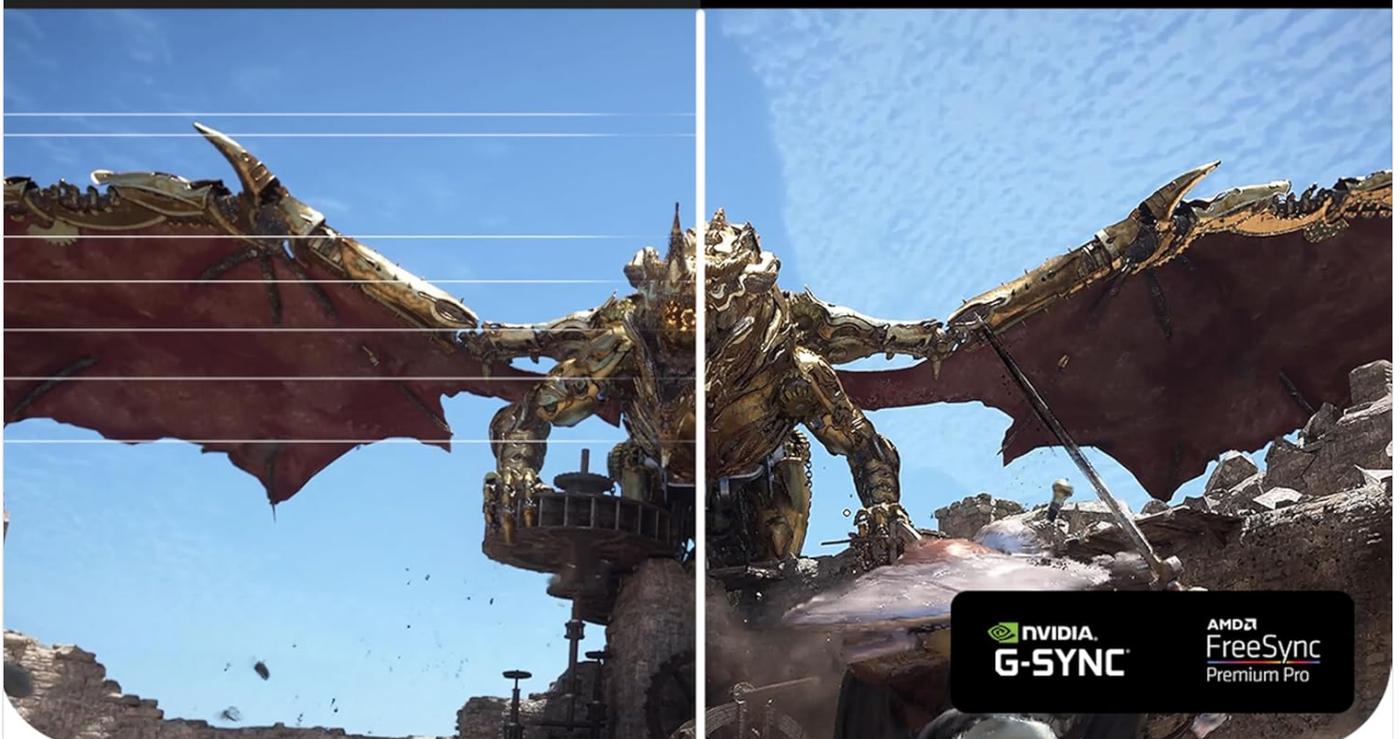


Figure 5: Visual comparison of screen tearing with and without G-Sync/FreeSync technologies.

7. MAINTENANCE AND CARE

7.1. Cleaning the Monitor

Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, use a screen-cleaning solution specifically designed for electronics. Do not spray liquid directly onto the screen.

7.2. OLED Care Features

To prevent image retention (burn-in) and ensure longevity of your OLED panel, utilize the following features:

- **OLED Screen Move:** Moves the screen slightly at regular intervals to prevent image sticking.
- **OLED Screen Saver:** Automatically turns off the screen when idle for a set period.
- **OLED Image Cleaning:** Performs a pixel refresh to correct screen problems that may occur over time. It is recommended to run this periodically.

8. TROUBLESHOOTING

Problem	Possible Cause / Solution
No power	Ensure the power cable is securely connected to the monitor and a working power outlet.
No signal	Check the DisplayPort/HDMI cable connection. Select the correct input source via the OSD menu.
Screen flickering / tearing	Ensure G-SYNC Compatible or FreeSync Premium Pro is enabled in your GPU settings and on the monitor. Update graphics drivers.
Image retention / Burn-in	Utilize OLED Care features (Screen Move, Screen Saver, Image Cleaning). Avoid displaying static images for extended periods.
Poor image quality	Adjust brightness, contrast, and color settings in the OSD menu. Ensure your graphics card drivers are up to date.

9. SPECIFICATIONS

- **Screen Size:** 27 Inches
- **Panel Type:** OLED
- **Resolution:** QHD (2560 x 1440)
- **Aspect Ratio:** 16:9
- **Refresh Rate:** 240Hz
- **Response Time (GtG):** 0.03ms
- **HDR Support:** VESA DisplayHDR True Black 400
- **Adaptive Sync:** NVIDIA G-SYNC Compatible, AMD FreeSync Premium Pro
- **Color Gamut:** DCI-P3 98.5%
- **Connectivity:** 2x HDMI 2.1, 1x DisplayPort 1.4, 2x USB 3.0 Downstream, 1x USB 3.0 Upstream, Headphone Out
- **Stand Adjustments:** Height, Tilt, Pivot
- **Dimensions (LxWxH):** 10.2 x 23.8 x 22.6 inches (with stand)
- **Weight:** 14.8 pounds (with stand)



Figure 6: Key dimensions of the LG 27-inch Ultragear OLED Gaming Monitor.

10. WARRANTY AND SUPPORT

The LG UltraGear OLED Gaming Monitor is protected by a **2-Year Limited Warranty** covering internal and functional parts and labor, including the OLED Display Panel. For detailed warranty information and support, please refer to the official LG website or contact LG customer service.

LG Customer Support: www.lg.com/us/support

LG UltraGear™ OLED



**GAME WITH PEACE OF MIND WITH
A 2-YEAR LIMITED WARRANTY**

**Internal and functional parts only
Includes OLED Display Panel**

Figure 7: LG Ultragear 2-Year Limited Warranty badge.