LG 27GQ5B

LG 27GQ5B Ultragear Gaming Monitor User Manual

Model: 27GQ5B

Introduction

This manual provides essential information for the safe and efficient use of your LG 27GQ5B Ultragear Gaming Monitor. Please read this manual thoroughly before operating the product and retain it for future reference. It covers setup, operation, maintenance, and troubleshooting procedures.



Image: Front view of the LG 27GQ5B Ultragear Gaming Monitor.

Safety Information

Always observe the following safety precautions to prevent electric shock, fire, or damage to the product.

- Do not expose the monitor to rain or moisture.
- Do not open the monitor casing. Refer all servicing to qualified service personnel.
- Ensure proper ventilation around the monitor.
- Use only the power adapter supplied with the monitor.
- Avoid placing heavy objects on the power cord.

Setup

1. Unpacking and Package Contents

Carefully remove all components from the packaging. Verify that all items are present:

- Monitor Display
- Stand Base
- Stand Neck

- Power Adapter and Power Cord
- HDMI Cable
- User Manual (this document)

2. Stand Assembly

1. Attach the stand neck to the stand base. Secure with the captive screw.
2. Carefully attach the assembled stand to the back of the monitor display until it clicks into place.



Image: Front view of the monitor with the stand assembled.

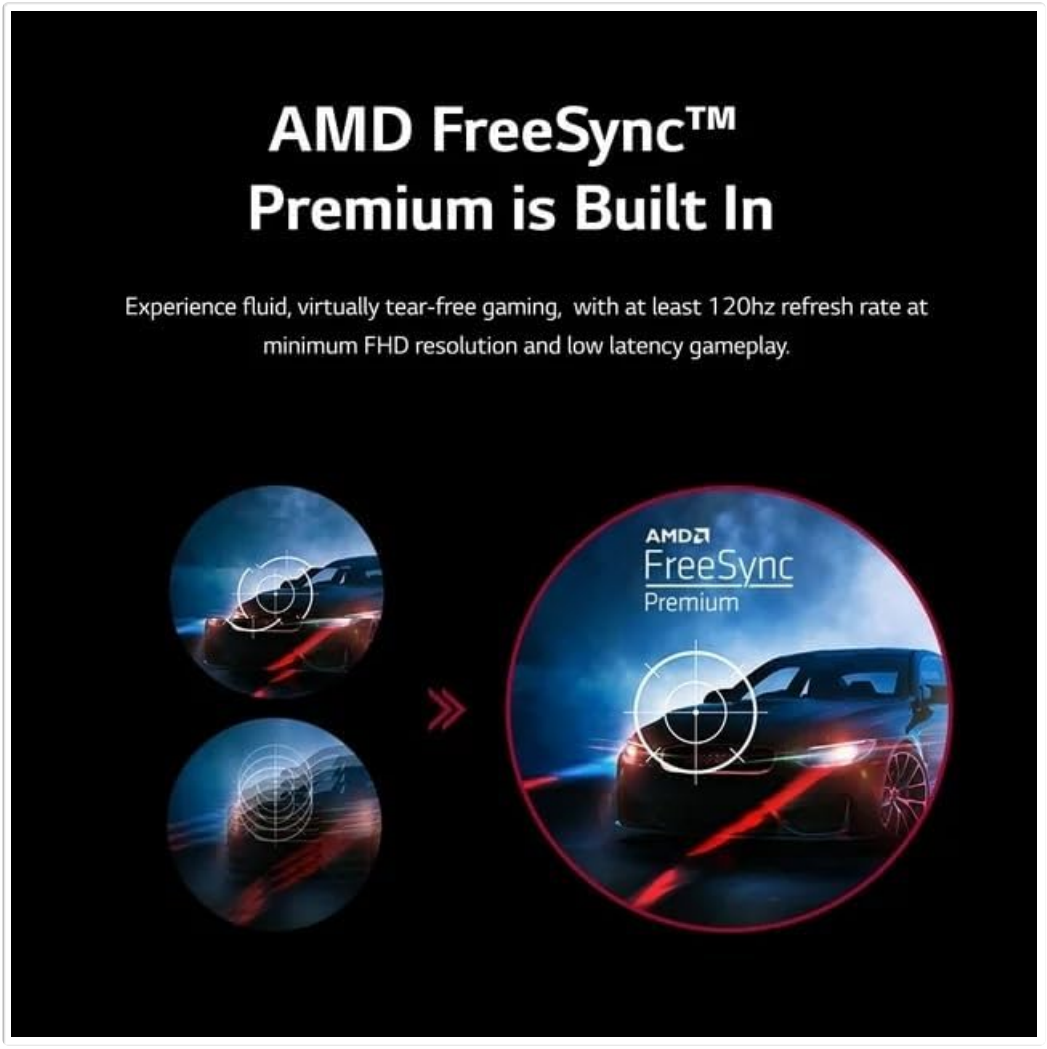


Image: Side view of the monitor, showing the stand profile.

3. Connecting the Monitor

Connect the monitor to your computer and power source.

1. **Power Connection:** Connect the power adapter to the monitor's power input, then plug the power cord into a wall outlet.
2. **Video Connection:** Connect one end of the HDMI cable to the HDMI port on your computer's graphics card and the other end to the HDMI port on the monitor. Alternatively, use a DisplayPort cable for DisplayPort connections.



Image: Rear view of the monitor, highlighting the power, HDMI, and DisplayPort inputs.

4. Initial Power On

Press the power button (usually a joystick on the bottom center) to turn on the monitor. The monitor will automatically detect the input signal.

Operating the Monitor

1. OSD Menu Navigation

The On-Screen Display (OSD) menu is controlled by a joystick button located on the bottom center of the monitor. Press the joystick to access the main menu, then move it up/down/left/right to navigate and select options.

2. Picture Settings

Adjust display settings to optimize your viewing experience:

- **Brightness:** Adjusts the overall luminance of the screen.
- **Contrast:** Controls the difference between light and dark areas.
- **Color:** Fine-tune color temperature and saturation.
- **Black Stabilizer:** Enhances visibility in dark areas of games by brightening them.

3. Gaming Features

The LG 27GQ5B monitor includes features designed to enhance gaming performance:

- **165Hz Refresh Rate:** Provides smoother motion and reduced input lag compared to standard monitors.
- **1ms Response Time:** Minimizes motion blur for clear, fast-paced action.



Image: Visual representation of high refresh rate and low response time in a gaming scenario.

- **AMD FreeSync Premium:** Synchronizes the monitor's refresh rate with your graphics card's frame rate to reduce screen tearing and stuttering during gameplay.



Image: Diagram illustrating the function of AMD FreeSync Premium technology.



Image: The monitor displaying a game, showcasing its virtually borderless design.

4. Input Source Selection

To switch between connected devices (e.g., PC via HDMI, console via DisplayPort), access the OSD menu and select the desired input source.

Maintenance

1. Cleaning the Screen and Casing

- Always power off the monitor and unplug the power cord before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a specialized screen cleaner.
- Do not spray cleaner directly onto the screen.
- Avoid using abrasive cleaners, waxes, or solvents.

2. Storage Guidelines

If storing the monitor for an extended period, ensure it is powered off, unplugged, and stored in a cool, dry place away from direct sunlight and extreme temperatures. Use original packaging if available.

Troubleshooting

Refer to the following table for common issues and their solutions:

Problem	Possible Cause	Solution
No power	Power cord not connected; Power outlet not working	Check power cord connection; Test power outlet with another device

Problem	Possible Cause	Solution
No signal	Video cable not connected; Incorrect input source selected	Ensure video cable is securely connected; Select correct input source via OSD menu
Screen flickering	Loose video cable; Graphics card driver issue; Refresh rate mismatch	Check video cable; Update graphics drivers; Adjust refresh rate in display settings
Dead pixels	Manufacturing defect	Refer to LG's pixel policy for warranty coverage.

Specifications

Key technical specifications for the LG 27GQ5B Ultragear Gaming Monitor:

Feature	Specification
Model Number	27GQ5B
Brand	LG
Screen Size	27 Inches
Resolution	FHD (1920 x 1080)
Aspect Ratio	16:9
Refresh Rate	165 Hz
Response Time	1 Millisecond
Contrast Ratio	1800:1
Brightness	250 cd/m²
Display Type	LED
Connectivity	1x HDMI, 1x DisplayPort
Adaptive Sync	AMD FreeSync Premium
Additional Features	Tilt Adjustment
Dimensions (with stand)	26"D x 20"W x 8"H



Image: Diagram showing the dimensions of the monitor with its stand.

Warranty Information

LG provides a limited warranty for this product. Specific warranty terms and conditions may vary by region. Please refer to the warranty card included in your product packaging or visit the official LG website for detailed information regarding your product's warranty coverage.

Customer Support

For technical assistance, service inquiries, or additional product information, please contact LG Customer Support:

- **Website:** Visit the official LG support website (www.lg.com/us/support) for FAQs, driver downloads, and service requests.
- **Phone:** Refer to your product documentation or the LG website for local support contact numbers.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question