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› LG 27GN800-B Ultragear 27-inch QHD IPS 144Hz 1ms Gaming Monitor Instruction Manual

## LG 27GN800-B

# LG 27GN800-B Ultragear 27-inch QHD IPS 144Hz 1ms Gaming Monitor Instruction Manual

Model: 27GN800-B

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## 1. PRODUCT OVERVIEW

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The LG 27GN800-B Ultragear is a 27-inch QHD (2560x1440) IPS gaming monitor designed for an immersive and responsive gaming experience. It features a 144Hz refresh rate and a 1ms (GtG) response time, ensuring smooth visuals and minimal motion blur. The monitor supports AMD FreeSync Premium and is NVIDIA G-SYNC Compatible, which helps eliminate screen tearing and stuttering for fluid gameplay. With HDR10 support, it delivers enhanced color accuracy and contrast.



Image: Front view of the LG 27GN800-B Ultragear monitor displaying a gaming scene.

## 2. WHAT'S IN THE BOX

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Upon opening the package, ensure all components are present:

- LG 27GN800-B Monitor Panel
- Monitor Stand (Base and Arm)
- Power Cord
- Power Adapter
- DisplayPort Cable
- HDMI Cable
- User Manual / Warranty Card
- Screws for Stand Assembly

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Video: An unboxing and review video demonstrating the contents of the LG 27GN800-B monitor package and initial setup steps.

## 3. SETUP GUIDE

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### 3.1 Assembling the Stand

1. Carefully remove the monitor panel from its packaging and place it face down on a soft, clean surface to prevent scratches.
2. Attach the stand arm to the monitor panel by aligning the mounting points and securing it with the provided screws.
3. Connect the stand base to the stand arm. Ensure it clicks securely into place or is fastened with the designated screw.



Image: Rear view of the LG 27GN800-B monitor, highlighting the port area and the stand attachment mechanism.

### 3.2 Connecting Cables

1. Connect the DisplayPort cable from your computer's graphics card to the DisplayPort input on the monitor for optimal performance, especially for 144Hz refresh rate and G-SYNC/FreeSync.
2. Alternatively, connect the HDMI cable from your computer or console to one of the HDMI inputs on the monitor.

3. Plug the power adapter into the monitor's DC-IN port, then connect the power cord to the adapter and a wall outlet.
4. If desired, connect headphones to the headphone output port.



Image: A detailed view of the monitor's rear panel, showing the various connectivity ports such as HDMI, DisplayPort, and the power input.

## 4. KEY FEATURES & PERFORMANCE

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The LG 27GN800-B is engineered to provide a competitive edge and immersive visuals for gaming and multimedia. Its advanced display technologies ensure a fluid and vibrant experience.

### 4.1 Display Technology

- **IPS 1ms (GtG) Response Time:** Experience responsive, crisp visuals with sharp clarity, minimizing ghosting and motion blur.
- **144Hz Refresh Rate:** Enjoy a high native refresh rate for smoother motion and clearer rendering of on-screen objects.
- **QHD (2560x1440) Resolution:** Delivers detailed and sharp images across the 27-inch screen.
- **HDR10 Support:** Enhances color accuracy and contrast, bringing scenes to life with greater fidelity.

- **sRGB 99% Color Gamut:** Reproduces colors with high accuracy and wide viewing angles (up to 178° horizontal / 178° vertical).



Image: Illustrates the 1ms IPS (In-Plane Switching) response time feature of the LG Ultragear monitor.

## 4.2 Adaptive Sync Technologies

- **AMD FreeSync Premium:** Virtually eliminates screen tearing and minimizes stutter in high-resolution and fast-paced games.
- **NVIDIA G-SYNC Compatible:** Works with compatible NVIDIA graphics cards to provide a fast and fluid gaming experience without screen tearing.



Image: Shows the LG Ultragear monitor with the NVIDIA G-SYNC Compatible logo, indicating support for adaptive synchronization.

## 4.3 Gaming-Specific Features

- **Dynamic Action Sync:** Reduces input lag, allowing for quicker responses to on-screen action.
- **Black Stabilizer:** Dynamically brightens dark scenes to help identify enemies hidden in shadows.
- **Crosshair:** Adds a virtual crosshair to the center of the screen for improved aiming in FPS games.

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Video: An official LG Ultragear product video showcasing the monitor's gaming features and smooth performance.

## 5. TECHNICAL SPECIFICATIONS

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Feature	Specification
Brand	LG
Model Number	27GN800-B
Screen Size	27 Inches
Resolution	QHD Wide 1440p (2560 x 1440 Pixels)
Aspect Ratio	16:9
Refresh Rate	144 Hz
Response Time	1 Millisecond (GtG)
Display Type	LED (IPS Panel)
Contrast Ratio	1000:1
Brightness	350 Candela
Color Gamut	sRGB 99%
Viewing Angle	178 Degrees
Picture Quality Enhancement	HDR10
Adaptive Sync	AMD FreeSync Premium, NVIDIA G-Sync Compatible
Connectivity Technology	HDMI, DisplayPort
HDMI Ports	2
DisplayPort	1
Headphone Out	Yes
Item Dimensions (D x W x H)	8.9"D x 24.2"W x 17.9"H
Item Weight	6 Kilograms
Power Consumption	48 Watts
Additional Features	Anti Glare Screen, Wall Mountable



Image: Diagram showing the physical dimensions of the LG 27GN800-B monitor.

## 6. WARRANTY & SUPPORT

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The LG 27GN800-B Ultragear monitor comes with a **Limited: 1 Year Parts & Labor** warranty. For technical support, troubleshooting, or warranty claims, please refer to the contact information provided in your included warranty card or visit the official LG support website.