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## LG 34GN850-B

# LG 34GN850-B UltraGear Curved QHD Gaming Monitor User Manual

Model: 34GN850-B

## 1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the proper setup, operation, and maintenance of your LG 34GN850-B UltraGear Curved QHD Gaming Monitor. This monitor features a 34-inch, 21:9 aspect ratio Nano IPS display with a QHD (3440 x 1440) resolution, offering a 1ms response time and a 144Hz refresh rate. It is G-SYNC Compatible and supports VESA DisplayHDR 400, designed for an immersive gaming experience.

## 2. SETUP AND ASSEMBLY

### 2.1 Unpacking the Monitor

Carefully remove the monitor and all components from the packaging. Ensure all parts are present before proceeding with assembly.

### 2.2 Stand Assembly

Attach the stand base to the stand neck, then secure the assembled stand to the back of the monitor. Refer to the included quick setup guide for detailed visual instructions. Ensure all screws are tightened securely.

### 2.3 Connecting Cables

Connect the power adapter to the monitor and a power outlet. For video input, use either a DisplayPort or HDMI cable to connect the monitor to your computer's graphics card. For optimal performance, especially for high refresh rates and G-SYNC, DisplayPort is recommended. Connect the USB upstream cable from the monitor to your computer to enable the monitor's USB 3.0 ports.



Image: Front view of the LG 34GN850-B UltraGear monitor, showcasing its curved display and slim bezels.



Image: Rear view of the LG 34GN850-B monitor, highlighting the various input ports including DisplayPort, HDMI, and USB ports.

### 3. OPERATING THE MONITOR

#### 3.1 Power On/Off

Press the joystick button located at the bottom center of the monitor to power it on or off. The LG logo will appear briefly upon startup.

#### 3.2 On-Screen Display (OSD) Navigation

The joystick button also serves as the primary control for navigating the On-Screen Display (OSD) menu. Push the joystick in any direction (up, down, left, right) to access and adjust monitor settings.

- **Up/Down:** Navigate through menu options.
- **Left/Right:** Adjust values or select sub-menus.
- **Press (center):** Confirm selection or enter a sub-menu.

#### 3.3 Key Settings and Features

- **Refresh Rate:** The monitor supports a native 144Hz refresh rate and can be overclocked to 160Hz. Adjust this setting in your computer's display settings.
- **G-SYNC Compatibility:** Enable NVIDIA G-SYNC in your NVIDIA Control Panel to synchronize the monitor's refresh rate with your GPU's frame rate, reducing screen tearing and stuttering.
- **HDR (High Dynamic Range):** The monitor is VESA DisplayHDR 400 certified. Enable HDR in your operating system's display settings for compatible content.
- **Color Settings:** Utilize the OSD to adjust brightness, contrast, color temperature, and gamma. The Nano IPS panel covers 98% of the DCI-P3 color gamut for accurate and vibrant colors.
- **Response Time:** The monitor features a 1ms (GtG) response time, which can be optimized through OSD settings for various gaming scenarios.

### 4. MAINTENANCE

## 4.1 Cleaning the Monitor

To clean the screen, gently wipe it with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a mild, non-abrasive screen cleaner. Avoid using alcohol, ammonia, or abrasive cleaners, as these can damage the screen surface. Ensure the monitor is powered off and unplugged before cleaning.

## 4.2 General Care

Avoid placing heavy objects on the monitor or its cables. Keep the monitor away from direct sunlight, excessive heat, and moisture. Ensure adequate ventilation around the monitor to prevent overheating.

## 5. TROUBLESHOOTING

If you encounter issues with your monitor, refer to the following common troubleshooting steps:

- **No Picture/Black Screen:**

- Ensure the power cable is securely connected to both the monitor and the power outlet.
- Verify that the video input cable (DisplayPort/HDMI) is firmly connected to both the monitor and your computer.
- Check if the correct input source is selected in the monitor's OSD menu.
- Test with a different video cable or port if available.

- **Flickering/Stuttering:**

- Ensure G-SYNC is properly enabled in your NVIDIA Control Panel if using an NVIDIA GPU.
- Update your graphics card drivers to the latest version.
- Check for interference from other electronic devices.

- **Image Quality Issues (Blurry, Distorted):**

- Ensure the monitor's resolution is set to its native 3440 x 1440 in your computer's display settings.
- Adjust OSD settings such as sharpness and response time overdrive.

- **No Sound:**

- Verify that the audio output from your computer is directed to the monitor or connected headphones/speakers.
- Adjust the volume settings on the monitor and your computer.

For further assistance, please contact LG customer support.

## 6. SPECIFICATIONS

Feature	Specification
Screen Size	34 Inches
Panel Type	Nano IPS
Resolution	3440 x 1440 (QHD Wide 1440p)
Aspect Ratio	21:9
Refresh Rate	144Hz (Native), 160Hz (Overclock)
Response Time	1ms (GtG)
G-SYNC Compatibility	Yes
HDR Support	VESA DisplayHDR 400

Feature	Specification
Color Gamut	DCI-P3 98%
Brightness (Typical)	400 cd/m <sup>2</sup>
Viewing Angle (H/V)	178°/178°
Connectivity	DisplayPort, HDMI, USB 3.0 (1 upstream, 2 downstream)
Dimensions (LxWxH)	32.3 x 12.3 x 18.3 inches
Weight	16.72 pounds



Image: Diagram showing the dimensions of the LG 34GN850-B monitor.

## 7. WARRANTY AND SUPPORT

Your LG 34GN850-B monitor is covered by a limited warranty. Please refer to the warranty card included with your product for specific terms and conditions. For technical support, service, or to register your product, visit the official LG website or contact LG customer service in your region.

**LG Customer Support:** [www.lg.com/us/support](http://www.lg.com/us/support)