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LG 27QN600-B

LG 27QN600-B 27-inch QHD IPS Monitor User Manual

Model: 27QN600-B

1. Introduction

This manual provides essential information for the safe and efficient use of your LG 27QN600-B 27-inch QHD (2560 x 1440) IPS Computer Monitor. Please read this manual thoroughly before operating your monitor and retain it for future reference.
The LG 27QN600-B monitor features a 27-inch QHD IPS display, offering a resolution of 2560 x 1440 for sharp and clear visuals. It supports sRGB 99% color gamut for accurate color reproduction and HDR10 for enhanced contrast and detail. Key features include AMD FreeSync technology for smooth gaming, Dynamic Action Sync to minimize input lag, and Black Stabilizer for improved visibility in dark scenes. Its 3-Side Virtually Borderless Design provides a sleek aesthetic and an immersive viewing experience.



Figure 1: Front view of the LG 27QN600-B monitor.

2. Setup

2.1 Unboxing and Assembly

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

1. Place the monitor face down on a soft, clean surface to prevent scratches.
2. Attach the stand base to the stand neck. Secure it with the provided screw.
3. Align the assembled stand with the mounting area on the back of the monitor. Gently push until it clicks into place.
4. To detach the stand, press the release button located at the top of the stand mounting area and pull the stand away from the monitor.



Figure 2: Rear view of the monitor with stand attachment area.

2.2 Connecting the Monitor

Connect the monitor to your computer and power source using the appropriate cables.

- **Power Connection:** Connect the power adapter to the DC-IN port on the monitor and then plug it into a power outlet.
- **Video Connection:**
  - **HDMI:** Connect an HDMI cable from your computer's HDMI output to one of the HDMI IN ports (HDMI IN 1 or HDMI IN 2) on the monitor.
  - **DisplayPort:** Connect a DisplayPort cable from your computer's DisplayPort output to the DP-IN port on the monitor.
- **Audio Connection:** If desired, connect headphones or external speakers to the Headphone Out port on the monitor.



Figure 3: Monitor input ports.

3. Operating the Monitor

3.1 Power On/Off and OSD Navigation

The monitor is controlled by a single joystick button located at the bottom center of the display.

- **Power On/Off:** Press the joystick button once to turn the monitor on. Press and hold the joystick button for a few seconds to turn the monitor off.
- **Accessing OSD Menu:** With the monitor on, press the joystick button once to bring up the main OSD menu.
- **Navigation:** Move the joystick up, down, left, or right to navigate through the menu options. Press the joystick button to select an option.

3.2 OSD Menu Options

The On-Screen Display (OSD) menu allows you to adjust various monitor settings.

- **Quick Settings:** Adjust Brightness, Contrast, and Volume.
- **Input:** Select the input source (DisplayPort, HDMI 1, HDMI 2).
- **Picture:** Configure picture-related settings.
  - **Picture Mode:** Choose from various preset modes like Custom, Vivid, HDR Effect, Reader, Cinema, FPS, RTS, and Color Weakness.
  - **Picture Adjust:** Fine-tune settings such as sharpness, gamma, and color temperature.
  - **Game Adjust:** Access gaming-specific features like FreeSync, Dynamic Action Sync, and Black Stabilizer.
- **General:** Access general monitor settings.
  - **Language:** Select the OSD menu language.
  - **SMART ENERGY SAVING:** Adjust power saving options.

- **Power LED:** Turn the power indicator LED on or off.
- **Automatic Standby:** Enable or disable automatic standby mode.
- **DisplayPort Version:** Select the DisplayPort version.
- **OSD Lock:** Lock the OSD menu to prevent accidental changes.
- **Information:** View monitor information.
- **Reset to Initial Settings:** Restore all settings to factory defaults.

3.3 Special Features

- **AMD FreeSync:** Synchronizes the refresh rate of the monitor with your graphics card's frame rate, eliminating screen tearing and stuttering for a smoother gaming experience.
- **Dynamic Action Sync (DAS):** Minimizes input lag, allowing for quicker responses in fast-paced games.
- **Black Stabilizer:** Enhances visibility in dark scenes, making it easier to spot enemies or objects hidden in shadows.
- **HDR10 Compatible:** Provides a wider dynamic range for more vibrant colors and deeper blacks when viewing HDR content.

4. Maintenance

4.1 Cleaning the Monitor

- Always unplug the power cord before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild, non-abrasive cleaner specifically designed for electronics.
- Do not spray cleaner directly onto the screen or allow liquid to drip into the monitor's openings.
- Avoid using benzene, thinner, or any volatile substances, as they may damage the monitor's surface.

4.2 Storage

When storing the monitor for an extended period, ensure it is powered off and disconnected from all cables. Store it in a cool, dry place, preferably in its original packaging to protect it from dust and physical damage.

5. Troubleshooting

If you encounter issues with your monitor, refer to the following troubleshooting guide before contacting customer support.

Problem	Possible Cause	Solution
No power	Power cable not connected or power outlet not working.	Ensure the power cable is securely connected to the monitor and a working power outlet. Check the power adapter.
No image on screen	Incorrect input source selected or video cable not connected.	Check that the video cable (HDMI or DisplayPort) is securely connected to both the monitor and the computer. Select the correct input source using the OSD menu.
Screen tearing or stuttering during gaming	FreeSync is not enabled or compatible graphics card is not used.	Ensure AMD FreeSync is enabled in the monitor's OSD menu (under Game Adjust) and your graphics card settings.
Colors appear dull or inaccurate	Incorrect picture mode or color settings.	Adjust Brightness, Contrast, and select an appropriate Picture Mode (e.g., Vivid or Custom) in the OSD menu. Consider calibrating the monitor if precise color accuracy is required.

Problem	Possible Cause	Solution
Monitor goes into standby automatically	Automatic Standby feature is enabled.	Disable 'Automatic Standby' in the OSD menu under 'General' settings if you do not wish for this behavior.

6. Specifications

Feature	Description
Model Name	LG 27QN600-B
Screen Size	27 Inches
Panel Type	IPS
Resolution	2560 x 1440 (QHD)
Aspect Ratio	16:9
Color Gamut	sRGB 99%
HDR Support	HDR10 Compatible
Response Time	5ms (GtG)
Viewing Angle	178° (H/V)
Brightness (Typical)	350 cd/m²
Connectivity	1 x DisplayPort, 2 x HDMI, 1 x Headphone Out
Special Features	AMD FreeSync, Dynamic Action Sync, Black Stabilizer, 3-Side Virtually Borderless Design
Dimensions (with Stand)	24.2 x 19.1 x 8.2 inches (W x H x D)
Weight (with Stand)	12.6 pounds



Figure 4: Monitor dimensions.

7. Warranty and Support

For detailed warranty information, please refer to the warranty card included with your product or visit the official LG website. For technical support, service inquiries, or to purchase replacement parts, please contact LG Customer Service.
You can find contact information and additional resources on the official LG website: www.lg.com

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