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> LG 24GN600-B UltraGear Gaming Monitor Instruction Manual

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Model: 24GN600-B

INTRODUCTION

This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your LG 24GN600-B UltraGear Gaming Monitor. This 24-inch Full HD (1920 x 1080) IPS display features a rapid 1ms (GtG) response time and a 144Hz refresh rate, enhanced with AMD FreeSync Premium and HDR10 support for a smooth and vibrant visual experience. Its 3-side virtually borderless design offers an immersive viewing area.

SETUP

Unpacking and Assembly

Carefully remove all components from the packaging. Ensure all items listed in the 'What's in the Box' section are present. Assemble the monitor stand by attaching the base to the stand neck, then securely fasten the stand to the monitor panel. Refer to the diagram below for visual guidance.





Image: Side view of the LG 24GN600-B UltraGear Gaming Monitor, illustrating the monitor panel attached to its stand.

Connecting the Monitor

Connect the DisplayPort cable from your computer or gaming console to the DisplayPort input on the monitor. Alternatively, use an HDMI cable to connect to one of the HDMI input ports. Plug the power cord into the monitor's power input and then into a wall outlet. Ensure all connections are secure.



Image: Rear view of the LG 24GN600-B UltraGear Gaming Monitor, highlighting the various input ports including DisplayPort and HDMI.

Initial Power On

Press the power button, typically located on the bottom center of the monitor, to turn it on. The monitor will automatically detect the active input source. If no signal is detected, verify your cable connections and ensure your connected device is powered on.

OPERATING

On-Screen Display (OSD) Navigation

The monitor's settings are controlled via a joystick button located on the bottom center. Press the joystick to open the OSD menu. Move the joystick up/down/left/right to navigate through menu options and press to select. This allows adjustment of various display and gaming features.



Image: Front view of the LG 24GN600-B UltraGear Gaming Monitor, showcasing a vibrant game display.

Key Settings

- **Refresh Rate:** Set to 144Hz for the smoothest gaming experience. This can usually be adjusted in your operating system's display settings or the monitor's OSD.
- **AMD FreeSync Premium:** Enable this feature in the OSD and your graphics card settings to synchronize the monitor's refresh rate with your GPU's frame rate, reducing screen tearing and stuttering.
- **HDR10:** Activate HDR in your device's display settings and the monitor's OSD for enhanced contrast and color depth in compatible content.
- **Response Time (GtG):** Adjust the 'Response Time' setting in the OSD (e.g., to 'Fast' or 'Faster') to minimize motion blur. Note that 'Faster' settings might introduce minor overshoot artifacts.
- **Game Mode:** Utilize preset game modes (e.g., FPS, RTS) available in the OSD to optimize visual settings for specific game genres.

MAINTENANCE

Cleaning

To clean the monitor 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 harsh chemicals, alcohol, or ammonia-based cleaners, as these can damage the screen surface. For the monitor casing, use a soft, dry cloth.

General Care

Keep the monitor in a well-ventilated area to prevent overheating. Avoid placing heavy objects on the monitor or its cables. Protect the screen from direct sunlight and extreme temperatures. When moving the monitor, handle it carefully by the edges of the panel or the stand to prevent damage.

TROUBLESHOOTING

Common Issues

- **No Display/Black Screen:** Check if the monitor is powered on and the power cable is securely connected. Verify that the video cable (DisplayPort/HDMI) is firmly connected to both the monitor and the source device. Ensure the correct input source is selected in the OSD menu.
- **Screen Flickering:** This can sometimes be resolved by changing the video settings on your connected device (e.g., turning off 4K output if the monitor does not support it). Ensure your graphics drivers are up to date. If using FreeSync, try disabling and re-enabling it.
- **Poor Image Quality/Washed Out Colors:** Adjust brightness, contrast, and color settings in the OSD menu. Ensure HDR is enabled only for compatible content and disabled otherwise, as incorrect HDR settings can lead to washed-out visuals.
- **No Sound:** If using the monitor's audio output, ensure external speakers or headphones are connected correctly to the H/P Out port. Check the volume settings on both the monitor and your source device.

For persistent issues not covered here, please refer to the LG support website or contact customer service.

SPECIFICATIONS

Feature	Specification
Screen Size	23.8 Inches
Display Type	IPS
Resolution	Full HD (1920 x 1080)
Response Time	1ms (GtG)
Refresh Rate	144Hz
Adaptive Sync Technology	AMD FreeSync Premium
HDR Support	HDR10
Color Gamut	sRGB 99%
Connectivity	DisplayPort 1.4, HDMI 2.0 (x2), H/P Out
Design	3-Side Virtually Borderless Display
Dimensions (LxWxH)	7.1 x 21.3 x 16.1 inches
Weight	8.6 pounds



Image: Diagram showing the dimensions of the LG 24GN600-B UltraGear Gaming Monitor.

WARRANTY AND SUPPORT

Your LG 24GN600-B UltraGear Gaming Monitor comes with a standard manufacturer's warranty. For detailed information regarding warranty terms, coverage, and duration, please refer to the warranty card included in your product packaging or visit the official LG website. For technical support, service requests, or further assistance, please contact LG Customer Service through their official channels.