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> LG 24GQ50F-B 24-Inch Ultragear Gaming Monitor User Manual

## LG 24GQ50F-B.AUSQ

# LG 24GQ50F-B 24-Inch Ultragear Gaming Monitor User Manual

Model: 24GQ50F-B.AUSQ

## 1. INTRODUCTION

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This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your LG 24GQ50F-B 24-Inch Class Full HD (1920 x 1080) Ultragear Gaming Monitor. Please read this manual thoroughly before using the product to ensure proper and safe operation.



Figure 1.1: Front view of the LG 24GQ50F-B Ultragear Gaming Monitor, showcasing its sleek design and narrow bezels.

## 2. SETUP

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### 2.1 Package Contents

Before proceeding with the setup, ensure all components are present in the package:

- LG 24GQ50F-B Monitor Display
- Monitor Stand Base
- Monitor Stand Neck
- Power Adapter and Power Cord
- HDMI Cable
- User Manual (this document)
- Other documentation (e.g., warranty card)

### 2.2 Assembling the Stand

Follow these steps to assemble the monitor stand:

1. Carefully place the monitor screen face down on a soft, clean cloth to prevent scratches.
2. Attach the stand neck to the back of the monitor until it clicks into place.
3. Connect the stand base to the stand neck and secure it with the provided screw.

4. Gently lift the assembled monitor and place it on a stable, flat surface.



Figure 2.1: Rear view of the monitor showing the stand attachment point and VESA mounting holes.

## 2.3 Connecting Cables

Connect the necessary cables to the monitor's ports. Refer to the image below for port locations.

- **Power Connection:** Connect the power adapter to the monitor's power input and then plug the power cord into a wall outlet.
- **Video Connection:**
  - For optimal performance, use the provided HDMI cable to connect your computer or gaming console to one of the monitor's HDMI ports.
  - Alternatively, use a DisplayPort cable to connect to the DisplayPort input for higher refresh rates and resolutions.
- **Audio Output:** If desired, connect external speakers or headphones to the 3.5mm audio output jack.



Figure 2.2: Detailed view of the monitor's input/output ports, including two HDMI ports, one DisplayPort, and an audio out jack.

## 3. OPERATING INSTRUCTIONS

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### 3.1 Powering On/Off

Press the power button located on the bottom center of the monitor to turn it on or off. The power indicator light will illuminate when the monitor is active.

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

The monitor features an intuitive On-Screen Display (OSD) menu for adjusting various settings. Use the joystick button located on the bottom center of the monitor to navigate the menu.

- **Move Joystick Up/Down:** Navigate through menu options.
- **Move Joystick Left/Right:** Adjust selected setting values.
- **Press Joystick (Click):** Select an option or confirm a setting.

## Enhanced Gaming GUI Customized Modes for Various Games

Choose Gamer, FPS or RTS mode to adjust and optimize settings for a customized experience

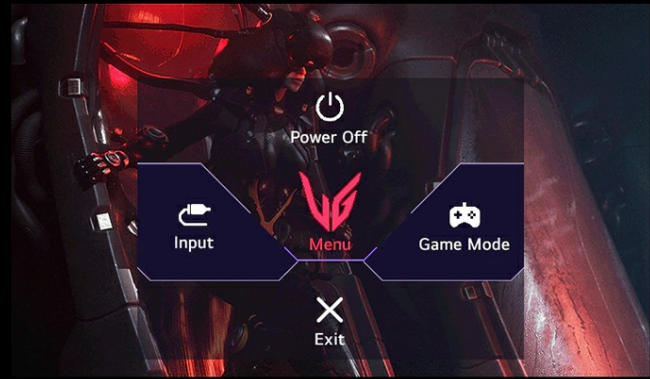
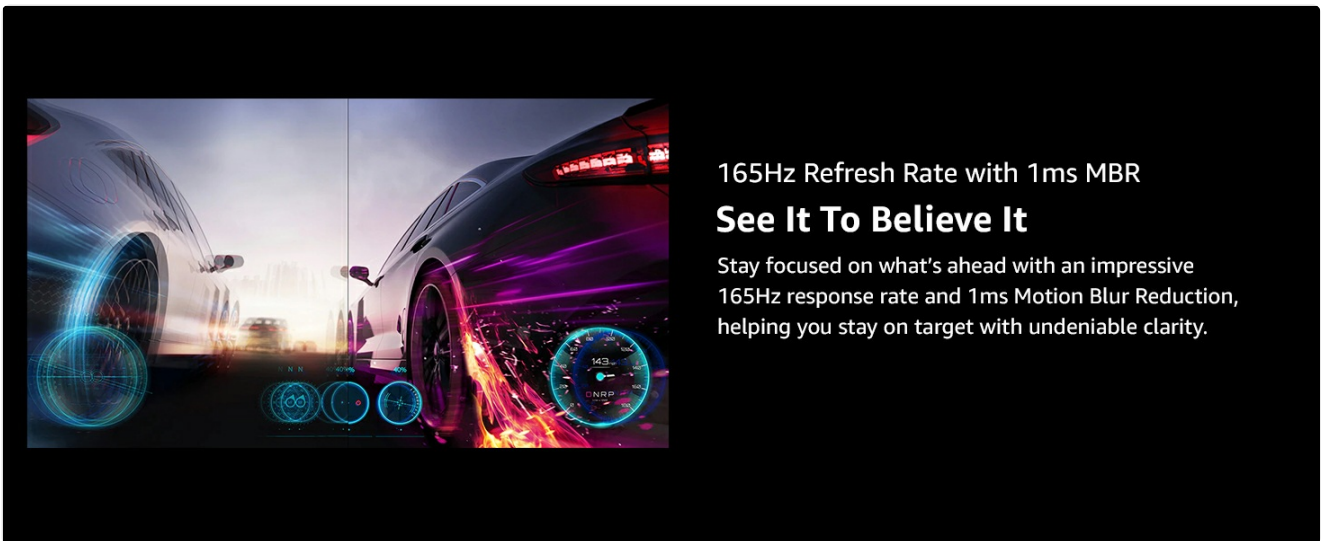


Figure 3.1: The Enhanced Gaming GUI allows customization of settings for various game types, accessible via the OSD menu.

### 3.3 Key Features and Settings

Your LG Ultragear monitor is equipped with several features designed to enhance your gaming experience:

- **165Hz Refresh Rate with 1ms MBR:** This high refresh rate combined with Motion Blur Reduction (MBR) minimizes motion blur and ghosting, providing smoother visuals in fast-paced games.



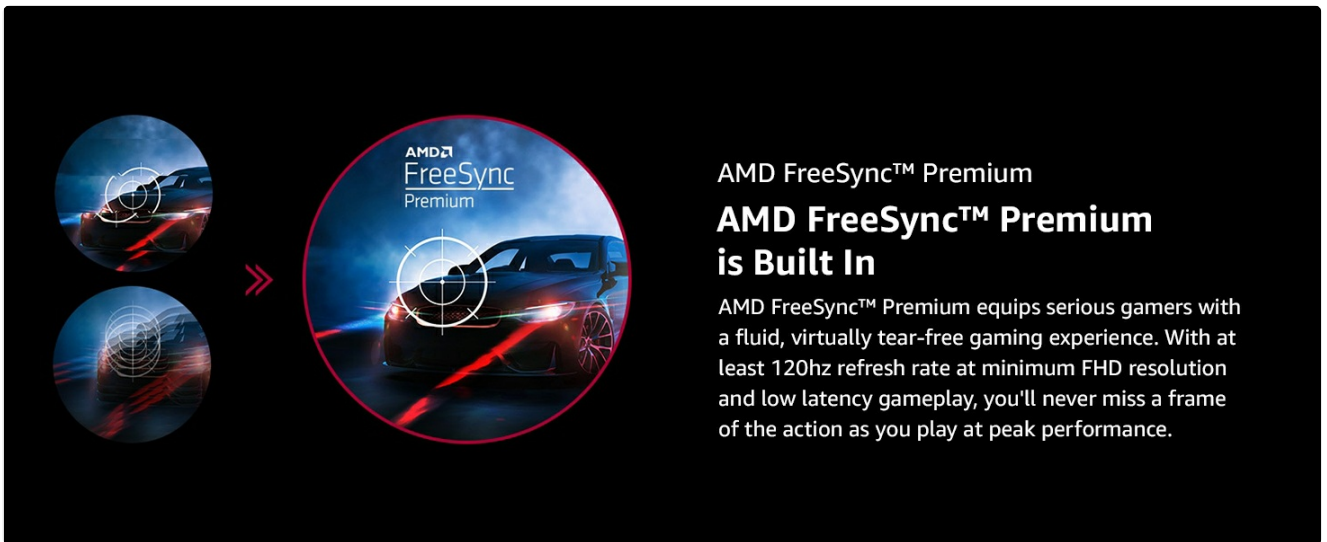
165Hz Refresh Rate with 1ms MBR

#### See It To Believe It

Stay focused on what's ahead with an impressive 165Hz response rate and 1ms Motion Blur Reduction, helping you stay on target with undeniable clarity.

Figure 3.2: Illustration of how 165Hz refresh rate and 1ms MBR contribute to clear, fluid motion.

- **AMD FreeSync™ Premium:** This technology synchronizes the monitor's refresh rate with your graphics card's frame rate, eliminating screen tearing and stuttering for a fluid gaming experience. Ensure your graphics card supports AMD FreeSync™ Premium.

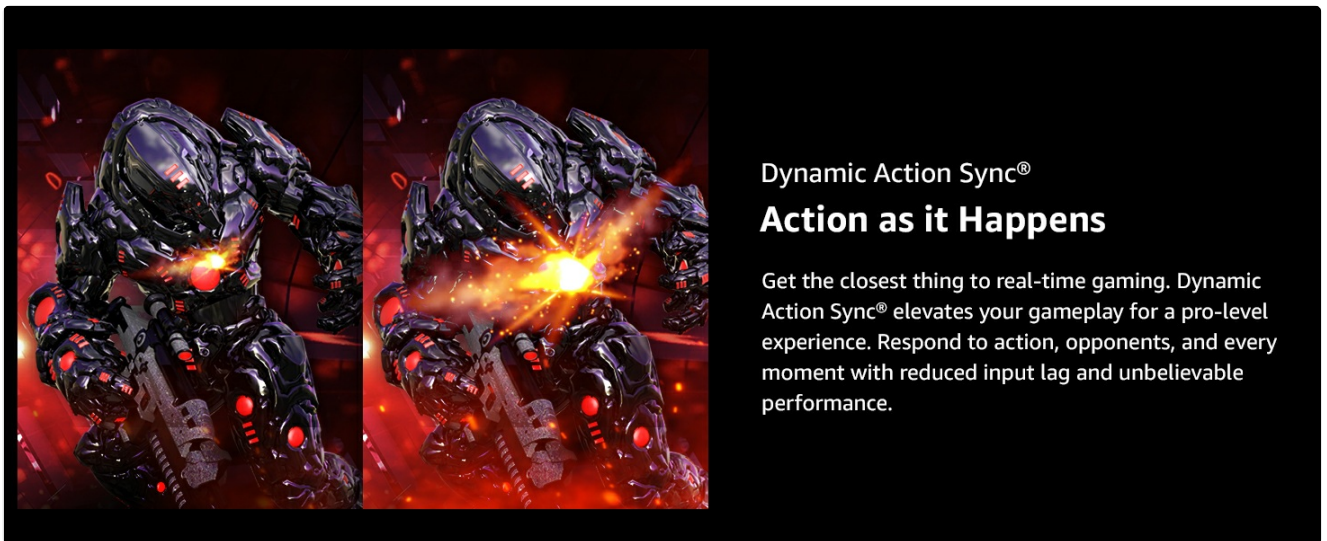


AMD FreeSync™ Premium  
**AMD FreeSync™ Premium is Built In**

AMD FreeSync™ Premium equips serious gamers with a fluid, virtually tear-free gaming experience. With at least 120hz refresh rate at minimum FHD resolution and low latency gameplay, you'll never miss a frame of the action as you play at peak performance.

Figure 3.3: Explanation of AMD FreeSync Premium, showing how it prevents screen tearing.

- **Dynamic Action Sync®:** Reduces input lag, allowing you to react to in-game actions in real-time. This feature is automatically enabled for optimal responsiveness.

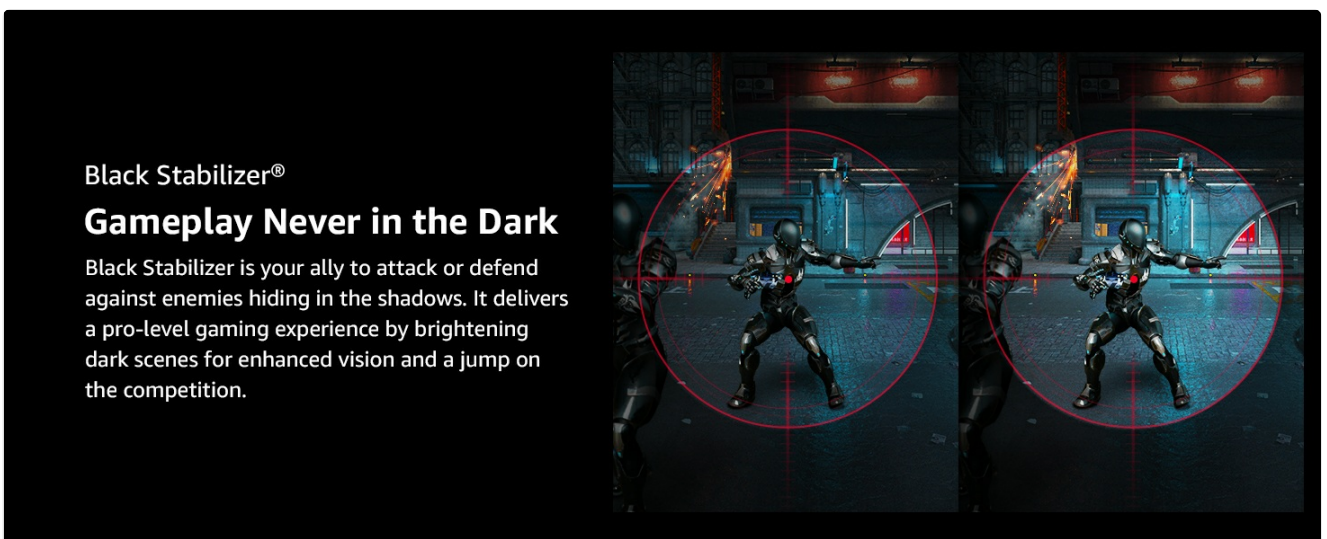


Dynamic Action Sync®  
**Action as it Happens**

Get the closest thing to real-time gaming. Dynamic Action Sync® elevates your gameplay for a pro-level experience. Respond to action, opponents, and every moment with reduced input lag and unbelievable performance.

Figure 3.4: Visual demonstration of Dynamic Action Sync reducing input lag for real-time action.

- **Black Stabilizer®:** Brightens dark areas of the screen, making it easier to spot enemies hiding in shadows. This setting can be adjusted in the OSD menu.



Black Stabilizer®  
**Gameplay Never in the Dark**

Black Stabilizer is your ally to attack or defend against enemies hiding in the shadows. It delivers a pro-level gaming experience by brightening dark scenes for enhanced vision and a jump on the competition.

Figure 3.5: Before and after comparison demonstrating the effect of Black Stabilizer on dark game scenes.

- **Crosshair®:** Places a fixed crosshair in the center of the screen, providing an accuracy advantage in first-person

shooter games. This feature can be toggled on/off via the OSD menu.

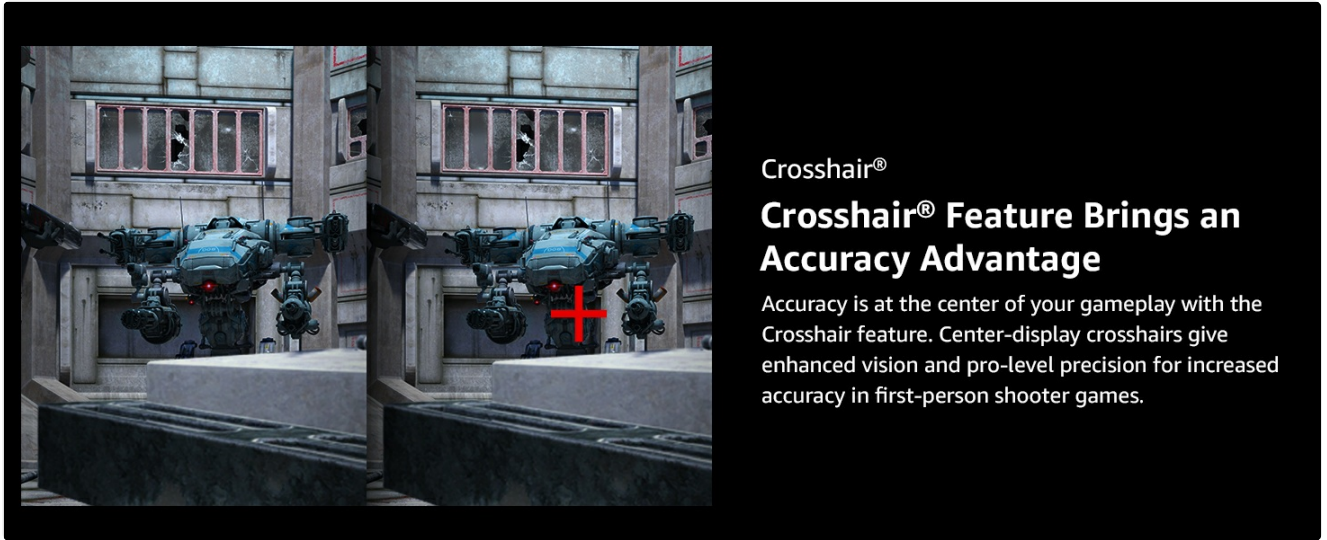


Figure 3.6: Illustration of the Crosshair feature providing a central aiming point.

- **FPS Counter:** Displays your current frames per second (FPS) in real-time on the screen, allowing you to monitor game performance. This can be enabled through the OSD menu.

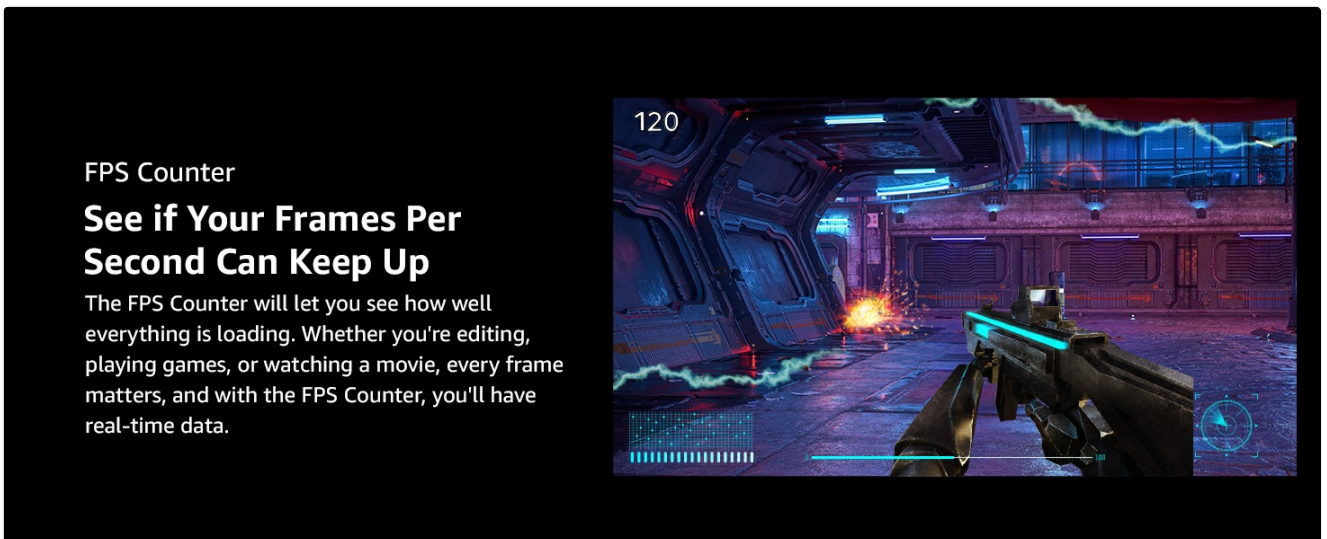


Figure 3.7: Example of the FPS Counter displaying real-time frame rate during gameplay.

## 4. MAINTENANCE

### 4.1 Cleaning the Monitor

To maintain the clarity and longevity of your monitor, follow these cleaning guidelines:

- Always unplug the monitor from the power outlet before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a specialized screen cleaning solution.
- Gently wipe the screen surface. Avoid applying excessive pressure.
- Do not use abrasive cleaners, alcohol, benzene, thinners, or any harsh chemicals, as these can damage the screen or casing.
- For the monitor casing, use a soft, dry cloth.

### 4.2 General Care

Observe the following for general care:

- Avoid exposing the monitor to direct sunlight or extreme temperatures.
- Do not block the ventilation openings on the monitor.
- Keep the monitor away from sources of moisture and dust.
- Do not place heavy objects on the monitor or its cables.

## 5. TROUBLESHOOTING

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If you encounter issues with your monitor, refer to the following common problems and their solutions:

Problem	Possible Cause	Solution
No Power / Power LED Off	Power cable not connected or power outlet issue.	Ensure the power cable is securely connected to the monitor and the wall outlet. Test the outlet with another device.
No Signal / Blank Screen	Incorrect input source selected or video cable not connected.	Check the video cable connection (HDMI/DisplayPort) to both the monitor and the computer/device. Use the OSD menu to select the correct input source.
Screen Tearing / Stuttering	AMD FreeSync Premium not enabled or incompatible graphics card.	Ensure AMD FreeSync Premium is enabled in the monitor's OSD menu and your graphics card settings. Update graphics drivers.
Flickering Screen	Incorrect refresh rate or faulty cable.	Adjust the refresh rate in your computer's display settings to 165Hz. Try a different video cable.
Image is too Dark/Bright	Brightness/Contrast settings are incorrect.	Adjust the Brightness and Contrast settings through the OSD menu.

If the problem persists after trying these solutions, please contact LG customer support for further assistance.

## 6. SPECIFICATIONS

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The following table lists the technical specifications for the LG 24GQ50F-B Ultragear Gaming Monitor:

Feature	Specification
Brand	LG
Model Number	24GQ50F-B.AUSQ
Screen Size	24 Inches
Screen Resolution	1920 x 1080 (Full HD)
Max Screen Resolution	1920 x 1080
Refresh Rate	165Hz
Response Time	1ms MBR

Feature	Specification
Adaptive Sync Technology	AMD FreeSync Premium
Aspect Ratio	16:9
Screen Surface Description	Matte
Color	Black
Item Weight	11.43 pounds
Product Dimensions (LxWxH)	7.7 x 21.2 x 16.3 inches
Voltage	240 Volts
Manufacturer	LG
Date First Available	April 13, 2022



Figure 6.1: Physical dimensions of the LG 24GQ50F-B monitor.

## 7. WARRANTY AND SUPPORT

## 7.1 Warranty Information

Your LG 24GQ50F-B monitor comes with a standard manufacturer's warranty. For detailed information regarding warranty terms, conditions, and duration, please refer to the warranty card included in your product package or visit the official LG website.

Extended protection plans may also be available for purchase. Please check with your retailer for options such as 3-Year or 4-Year Protection Plans.

## 7.2 Customer Support

For technical assistance, service, or any inquiries not covered in this manual, please contact LG Customer Support. You can find contact information on the official LG website or in the documentation provided with your monitor.

An official User Manual (PDF) is also available for download from the LG support website or via the following link: [LG 24GQ50F-B User Manual PDF](#)