AOC CQ27G4ZH

AOC CQ27G4ZH 27-inch Curved Gaming Monitor User Manual

Model: CQ27G4ZH

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your AOC CQ27G4ZH 27-inch Curved Gaming Monitor. Please read this manual thoroughly before operating the device and retain it for future reference. The AOC CQ27G4ZH monitor features a 27-inch QHD (2560x1440) curved VA panel with a 1500R curvature, a 300Hz refresh rate, and a 0.3ms response time, designed for an immersive visual experience.

2. SAFETY INFORMATION

- **Power Source:** Use only the power adapter supplied with the monitor. Ensure the power outlet is properly grounded.

- **Ventilation:** Do not block ventilation openings. Allow adequate space around the monitor for proper airflow.

- **Placement:** Place the monitor on a stable, level surface. Avoid direct sunlight, heat sources, and excessive moisture.

- **Cleaning:** Disconnect the power cord before cleaning. Use a soft, dry cloth. Do not use liquid or aerosol cleaners.

- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

3. WHAT'S IN THE BOX

Verify that all components are present in the packaging:

- AOC CQ27G4ZH Monitor

- HDMI Cable

- Power Cord

- User Manual (this document)

4. SETUP

4.1 Assembling the Stand

1. Carefully remove the monitor and stand components from the packaging.

2. Attach the stand base to the stand neck using the provided screws.

3. Secure the assembled stand to the back of the monitor until it clicks into place. Ensure it is firmly attached.

Figure 4.1: AOC CQ27G4ZH monitor with its ergonomic stand assembled.

4.2 Connecting Cables

Connect the necessary cables to the monitor and your computer or console.

- **Power Cable:** Connect the power cord to the monitor's power input and then to a grounded electrical outlet.
- **Video Cable:** Connect one end of the HDMI or DisplayPort cable to the corresponding port on your monitor and the other end to your computer's graphics card or console. For optimal performance (300Hz refresh rate), use the DisplayPort connection.
- **Audio Output:** If desired, connect headphones or external speakers to the 3.5mm audio output jack on the

monitor.

Figure 4.2: Rear view of the monitor displaying the HDMI, DisplayPort, and audio output ports.

4.3 Initial Power On

After connecting all cables, press the power button located on the monitor to turn it on. The monitor should automatically detect the input signal. If not, you may need to manually select the input source using the On-Screen Display (OSD) menu.

5. OPERATING THE MONITOR

5.1 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Navigate the OSD using the joystick or buttons typically located on the back or bottom edge of the monitor.

Figure 5.1: The OSD control joystick, used for navigating monitor settings.

5.2 Picture Settings

- **Brightness/Contrast:** Adjust these to suit your viewing environment.

- **Color Temperature:** Select from preset modes (e.g., Warm, Cool, Normal) or customize RGB values.

- **HDR Mode:** Enable High Dynamic Range for compatible content to enhance contrast and color depth. Note that HDR performance can vary based on content and system configuration.
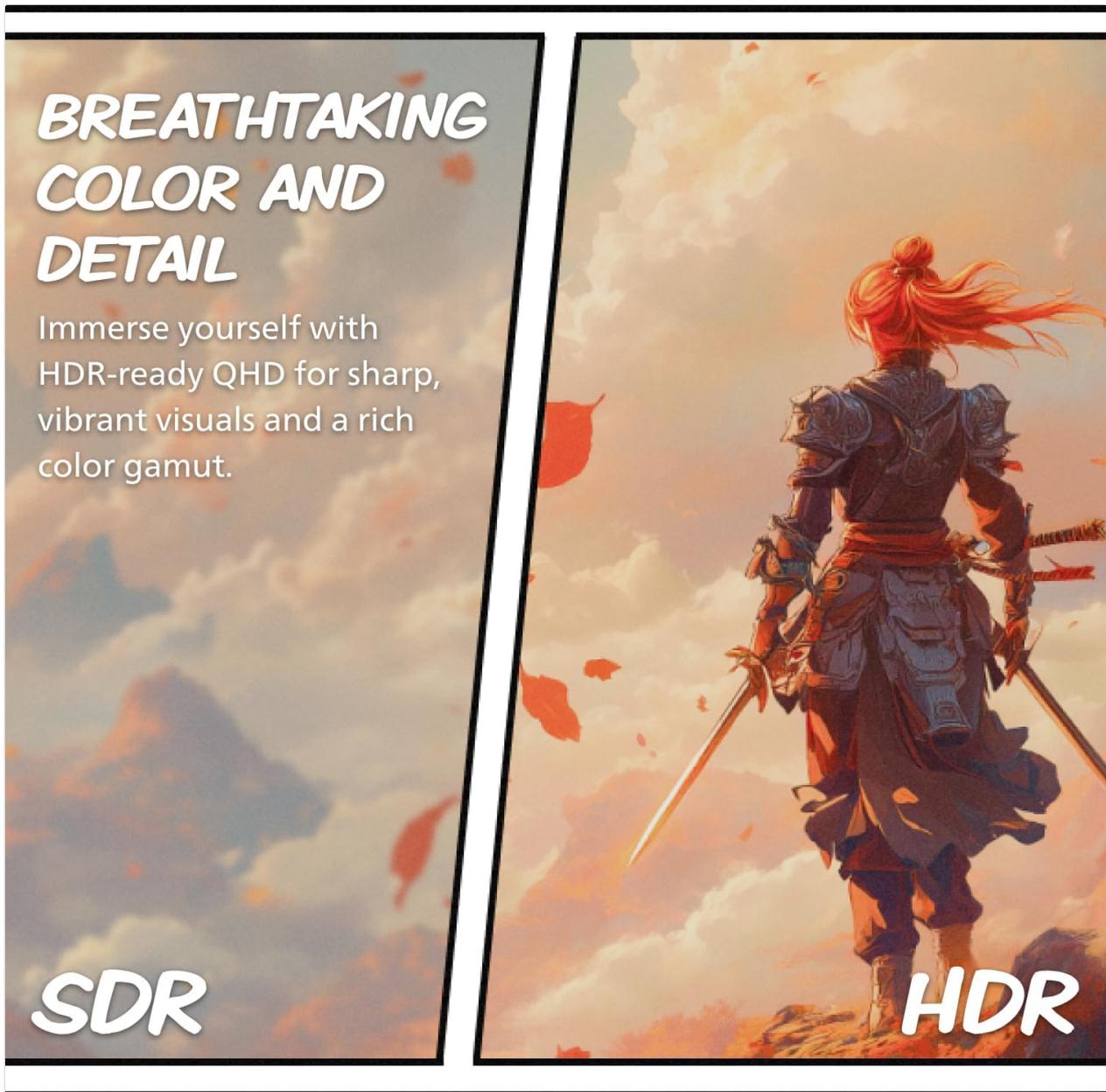
Figure 5.2: Visual comparison of Standard Dynamic Range (SDR) and High Dynamic Range (HDR) display modes.

5.3 Gaming Features

- **Refresh Rate:** The monitor supports up to 300Hz via DisplayPort. Ensure your graphics card settings are configured to utilize the maximum refresh rate.

- **Response Time:** The 0.3ms response time minimizes motion blur. This can often be adjusted in the OSD (e.g., Overdrive settings).

- **Adaptive Sync:** This technology synchronizes the monitor's refresh rate with your GPU's frame rate to eliminate screen tearing and stuttering. Enable it in the OSD and your graphics card control panel.

Figure 5.3: The monitor rendering a dynamic scene, showcasing smooth visual performance.

5.4 Eye Care Technologies

- **Flicker-Free:** This technology reduces screen flickering, which can cause eye strain during prolonged use.
- **Low Blue Light:** Adjusting this setting can reduce the emission of harmful blue light, promoting eye comfort.

Figure 5.4: An illustration of Flicker-Free technology in action, reducing visual discomfort.

6. MAINTENANCE

6.1 Cleaning the Monitor

To clean the monitor, ensure it is turned off and unplugged from the power outlet.

- **Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a specialized screen cleaner (ensure it is alcohol-free and ammonia-free). Do not spray liquid directly onto the screen.
- **Exterior:** Use a soft, dry cloth to wipe the monitor casing. Avoid abrasive materials or harsh chemicals.

6.2 Storage

If storing the monitor for an extended period, disconnect all cables and pack it in its original packaging to protect it from dust and physical damage. Store in a cool, dry place.

7. TROUBLESHOOTING

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

- **No Power:**

    - Ensure the power cord is securely connected to both the monitor and the power outlet.
    - Verify the power outlet is functioning by plugging in another device.

- **No Signal:**

    - Check that the video cable (HDMI or DisplayPort) is securely connected to both the monitor and your computer/console.
    - Ensure the correct input source is selected in the monitor's OSD menu.
    - Verify your computer/console is powered on and outputting a signal.

- **Display Problems (e.g., blurry image, incorrect colors):**

    - Adjust the resolution and refresh rate settings in your operating system to match the monitor's native resolution (2560x1440) and desired refresh rate.
    - Reset the monitor's picture settings to factory defaults via the OSD menu.
    - Update your graphics card drivers.

- **Flickering or Stuttering:**

    - Ensure Adaptive Sync is enabled in both the monitor's OSD and your graphics card control panel.
    - Check for external interference.

- **HDR Issues:**

    - Ensure HDR is enabled in both the monitor's OSD and your operating system's display settings.
    - Some users report that HDR performance can be inconsistent on PC. Adjusting settings or using SDR mode might provide a better experience depending on your preference and content.

8. SPECIFICATIONS

Feature	Specification
Model Number	CQ27G4ZH
Screen Size	27 Inches
Panel Type	VA
Curvature	1500R
Resolution	2560 x 1440 (QHD)
Aspect Ratio	16:9
Refresh Rate	300Hz (DisplayPort), 144Hz (HDMI)
Response Time	0.3ms (MPRT)
Connectivity	2x HDMI 2.0, 1x DisplayPort 1.4, 1x Audio Out

Feature	Specification
VESA Compatibility	Yes
Dimensions (LxWxH)	9.43 x 24.1 x 20.33 inches
Weight	19.76 pounds

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Your AOC CQ27G4ZH monitor is covered by the following warranty program:

- **3-Year Zero Dead Pixel:** Coverage for monitors with zero bright or dark pixels.

- **3-Year Advance Replacement:** If a defect occurs, a replacement unit will be shipped to you.

- **1-Year One-Time Accidental Damage:** Coverage for accidental damage during the first year of ownership.
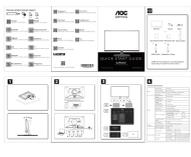

Figure 9.1: Overview of the AOC Re-Spawned Warranty Program.

Please retain your proof of purchase for warranty claims.

9.2 Technical Support

For further assistance, technical support, or warranty claims, please visit the official AOC support website or contact their customer service. Refer to the documentation included with your product for specific contact details or visit AOC Support.

Related Documents - CQ27G4ZH

	AOC AG275QXL Gaming Monitor Quick Start Guide Quick start guide for the AOC AG275QXL gaming monitor, featuring League of Legends Light Sync, setup instructions, general specifications, and support information.
	AOC CQ32G4E Gaming Monitor User Manual - Setup, Features, and Troubleshooting Comprehensive user manual for the AOC CQ32G4E gaming monitor. Covers setup, installation, features like Adaptive-Sync and HDR, troubleshooting, and technical specifications. Get the most out of your AOC gaming display.
	AOC C27G42E Gaming Monitor: Quick Start Guide & Specifications Get started with your AOC C27G42E 27-inch gaming monitor. This guide covers setup, connections, OSD controls, and detailed technical specifications for optimal performance.
	Instrukcja Obsługi Monitora AOC CU34E4CW Kompleksowa instrukcja obsługi monitora AOC CU34E4CW, zawierająca informacje o instalacji, konfiguracji, funkcjach, bezpieczeństwie i rozwiązywaniu problemów.
	AOC Q27B35S3 LCD Monitor User Manual User manual for the AOC Q27B35S3 LCD Monitor, covering setup, installation, operation, troubleshooting, and specifications.
	AOC AGON CS24A Gaming Monitor User Manual Comprehensive user manual for the AOC AGON CS24A gaming monitor, covering setup, configuration, features, troubleshooting, and specifications. Learn how to optimize your gaming experience with this high-performance display.