

AOC C27G4ZH

AOC C27G4ZH 27-inch Curved Gaming Monitor User Manual

Model: C27G4ZH

1. INTRODUCTION

This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your AOC C27G4ZH 27-inch Curved Frameless Ultra-Fast Gaming Monitor. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

The AOC C27G4ZH features a 27-inch Full HD curved display with a 1500R curvature, designed for an immersive visual experience. It boasts a 280Hz refresh rate and a rapid 0.3ms response time, making it suitable for high-speed gaming. The monitor also supports HDR and offers a robust color display. Its ergonomic design includes adjustability for tilt, swivel, and height, along with VESA compatibility.



Figure 1.1: Front view of the AOC C27G4ZH monitor.

2. SAFETY INFORMATION

To ensure safe operation and prolong the life of your monitor, please observe the following safety precautions:

- Do not expose the monitor to rain or moisture.
- Do not open the monitor casing. There are no user-serviceable parts inside.
- Ensure proper ventilation around the monitor. Do not block ventilation openings.
- Use only the power cord and adapter supplied with the monitor.
- Place the monitor on a stable, flat surface to prevent it from falling.
- Avoid placing heavy objects on the power cord or other cables.
- Unplug the monitor from the power outlet during lightning storms or when unused for long periods.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- AOC C27G4ZH Monitor
- Monitor Stand (Base and Neck)
- HDMI Cable

- DisplayPort (DP) Cable
- Power Cord
- User Manual (this document)

4. SETUP

4.1 Assembling the Stand

1. Carefully remove the monitor from its packaging, keeping it protected.
2. Attach the stand neck to the monitor panel. Ensure it clicks securely into place.
3. Attach the stand base to the stand neck and tighten the screws as instructed in the quick start guide.

4.2 Connecting the Monitor

Your AOC C27G4ZH monitor offers multiple connectivity options. For optimal performance, especially for high refresh rates, it is recommended to use the DisplayPort connection.



Figure 4.1: Rear view of the monitor showing DisplayPort, HDMI, and audio output ports.

- **Power Connection:** Connect the power cord to the monitor's power input and then to a power outlet.
- **DisplayPort Connection (Recommended for 280Hz):** Connect one end of the DisplayPort cable to the DisplayPort input on the monitor and the other end to the DisplayPort output on your computer's graphics card.
- **HDMI Connection (Supports up to 240Hz):** Connect one end of the HDMI cable to an HDMI input on the monitor and the other end to the HDMI output on your computer or gaming console.
- **Audio Output:** Connect headphones or external speakers to the earphone out port if desired.

4.3 Initial Power-On and Basic Settings

1. Press the power button on the monitor to turn it on.
2. Select the correct input source (DisplayPort or HDMI) using the monitor's On-Screen Display (OSD) menu.
3. On your computer, navigate to Display Settings (Windows) or System Settings > Displays (macOS) to ensure the correct resolution (1920x1080) and refresh rate (280Hz via DP, 240Hz via HDMI) are selected.

Video 4.1: Demonstration of adjusting display refresh rate settings in Windows. Note: The video shows a 144Hz model, but the process is similar for the 280Hz C27G4ZH.

5. OPERATING THE MONITOR

5.1 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Typically, buttons are located on the bottom or rear of the monitor. Refer to the quick start guide for specific button locations and functions.

Key OSD Settings:

- **Brightness/Contrast:** Adjust the overall luminance and contrast levels.
- **Color Settings:** Fine-tune color temperature, gamma, and individual RGB levels.
- **Picture Mode:** Select from preset modes optimized for different content (e.g., Standard, Game, Movie, Text).
- **Game Settings:** Access specific gaming features like Low Input Lag, Game Color, Shadow Control, and Crosshair.
- **Input Select:** Manually switch between DisplayPort and HDMI inputs.

5.2 Refresh Rate and Response Time

Your AOC C27G4ZH monitor supports a 280Hz refresh rate via DisplayPort and 240Hz via HDMI, combined with a 0.3ms response time. These features provide exceptionally smooth and responsive gameplay, minimizing motion blur and ghosting.

**LIGHTNING FAST!**

Unleash unprecedented fluidity.

AMD
FreeSync
Premium**0.3ms**

Figure 5.1: Monitor features emphasizing ultra-fast performance.

Video 5.1: Demonstrating the smooth motion and fast response time of the monitor.

5.3 Adaptive Sync (AMD FreeSync Premium)

The monitor supports AMD FreeSync Premium technology, which synchronizes the monitor's refresh rate with your GPU's frame rate. This eliminates screen tearing and stuttering, providing a fluid gaming experience. Ensure FreeSync is enabled in both the monitor's OSD settings and your graphics card's control panel.

5.4 High Dynamic Range (HDR)

HDR support enhances contrast and color accuracy, delivering a more vibrant and realistic image. Enable HDR in your operating system's display settings and ensure your content or game supports HDR.

5.5 Ergonomic Adjustments

The monitor stand allows for various adjustments to optimize your viewing comfort:

CONNECTIVITY AT ITS BEST

AOC
GAMING



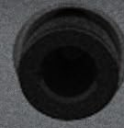
A. Display
Port 1.4



B. HDMI 2.0



C. HDMI 2.0



D. Earphone
out

HDMI 2

DESIGNED FOR COMFORT



VESA MOUNT



ADJUSTABLE
STAND



TILT



Figure 5.2: Ergonomic features of the monitor stand.

- **Height Adjustment:** Gently push or pull the monitor up or down to your desired height.
- **Tilt Adjustment:** Tilt the screen forward or backward to find the optimal viewing angle.
- **Swivel Adjustment:** Rotate the monitor left or right on its base.
- **VESA Mount:** The monitor is VESA compatible (100x100mm), allowing for alternative mounting solutions (e.g., wall mounts, monitor arms).

Video 5.2: Demonstrating the monitor's adjustable stand and VESA mounting capability.

6. MAINTENANCE

6.1 Cleaning the Monitor

- Always unplug the monitor before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a mild, non-abrasive screen cleaner.

- Do not use alcohol, ammonia, or abrasive cleaners, as these can damage the screen surface.
- Wipe the screen gently to avoid scratching.

6.2 Storage

If storing the monitor for an extended period, ensure it is powered off, unplugged, and stored in a cool, dry place away from direct sunlight and extreme temperatures. Use the original packaging for best protection.

7. TROUBLESHOOTING

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

Problem	Possible Solution
No image on screen	Check power connection, ensure monitor is on, verify input source selection, check video cable connection.
Image is blurry or distorted	Adjust display resolution in your computer's settings, check video cable for damage, reset monitor to factory settings.
Screen flickering	Ensure refresh rate is set correctly (280Hz/240Hz), update graphics drivers, check for external interference.
Dead pixels or stuck pixels	Refer to warranty information regarding pixel policies. Some pixel anomalies are normal for LCD technology.
No sound from audio out	Check audio cable connection, verify volume settings on monitor and computer, ensure correct audio output device is selected in OS.

8. SPECIFICATIONS

Key technical specifications for the AOC C27G4ZH monitor:

Feature	Detail
Model Number	C27G4ZH
Screen Size	27 Inches
Panel Type	Curved Frameless
Curvature	1500R
Resolution	FHD 1080p (1920x1080)
Max Refresh Rate	280Hz (DisplayPort), 240Hz (HDMI)
Response Time	0.3ms
Adaptive Sync	AMD FreeSync Premium
HDR Support	Yes
Connectivity	DisplayPort 1.4, HDMI 2.0 (x2), Earphone out
Ergonomics	Height Adjustable, Tilt, Swivel, VESA Compatible (100x100mm)

Feature	Detail
Color	Black
Dimensions (LxWxH)	9.43 x 24.07 x 20.33 inches
Weight	11.97 pounds

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Your AOC C27G4ZH monitor comes with a **3-Year Zero Dead Pixel Guarantee**. This warranty covers manufacturing defects and ensures replacement if your monitor develops any dead pixels within the warranty period. Please retain your proof of purchase for warranty claims.

9.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please visit the official AOC support website or contact their customer service. Contact details can typically be found on the AOC website or in the quick start guide included with your product.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

