

AOC C27G1

AOC C27G1 27-inch Curved Frameless Gaming Monitor

Instruction Manual

Model: C27G1 | Brand: AOC

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your AOC C27G1 27-inch Curved Frameless Gaming Monitor. This monitor features a Full HD (1920x1080) 1800R curved VA panel, a rapid 1ms (MPRT) response time, and a 144Hz refresh rate with AMD FreeSync technology for a smooth gaming experience. It also includes a height-adjustable stand and multiple connectivity options.

2. WHAT'S IN THE BOX

Please check the package contents to ensure all items are present:

- AOC C27G1 27-inch Monitor
- Power Cord
- HDMI Cable
- DisplayPort (DP) Cable
- Quick Start Guide

3. PHYSICAL OVERVIEW

The AOC C27G1 monitor is designed with a sleek, frameless aesthetic and a curved panel for an immersive viewing experience. The stand offers ergonomic adjustments, and the rear panel provides various input ports.

Front View



Figure 3.1: Front view of the AOC C27G1 monitor, highlighting the curved screen and narrow bezels.

Rear View and Connectivity



Figure 3.2: Rear view of the AOC C27G1 monitor, displaying the DisplayPort, HDMI, and VGA input ports, along with the power input and audio line-out. The stand is attached centrally.

The monitor includes the following ports:

- 1x DisplayPort
- 2x HDMI 1.4
- 1x VGA
- Audio Line-out

Adjustable Stand



Figure 3.3: The monitor stand allows for height adjustment to optimize viewing comfort. It is also VESA compatible for alternative mounting solutions.

4. SETUP

Follow these steps to set up your AOC C27G1 monitor:

1. **Assemble the Stand:** Attach the monitor panel to the stand base according to the Quick Start Guide. Ensure all connections are secure.
2. **Connect Cables:**
 - Connect the power cord to the monitor's power input and then to a power outlet.
 - Connect your computer or gaming console to the monitor using either the DisplayPort, HDMI, or VGA cable. For optimal performance, DisplayPort or HDMI is recommended.
 - If desired, connect external speakers or headphones to the Audio Line-out port.
3. **Power On:** Press the power button on the monitor to turn it on.

5. OPERATING INSTRUCTIONS

The monitor's On-Screen Display (OSD) menu allows you to adjust various settings for optimal performance and viewing comfort. The control buttons are typically located on the bottom or rear of the monitor.

OSD Menu Navigation

Use the physical buttons on the monitor to navigate the OSD menu. Common options include:

- **Input Select:** Choose between DisplayPort, HDMI, or VGA inputs.
- **Luminance:** Adjust brightness, contrast, and EcoMode.
- **Color Setup:** Fine-tune color temperature and gamma settings.
- **Game Setting:** Access gaming-specific features.
- **OSD Setup:** Configure OSD language, transparency, and timeout.

Key Features and Settings

- **144Hz Refresh Rate:** For the smoothest visual experience, ensure your graphics card and system settings are configured to output at 144Hz. Refer to your graphics card control panel for adjustments.
- **1ms Response Time (MPRT):** This feature minimizes motion blur and ghosting, crucial for fast-paced gaming. It can typically be enabled or adjusted within the 'Game Setting' section of the OSD menu (often labeled 'Overdrive' or similar).

Your browser does not support the video tag. This video demonstrates the 1ms response time feature of the AOC C27G1 monitor, highlighting its benefit for competitive gaming by reducing motion blur and ghosting.

Video 5.1: Explanation of the 1ms Response Time feature.

- **AMD FreeSync:** This technology synchronizes the monitor's refresh rate with your AMD GPU's frame rate to eliminate screen tearing and stuttering. Enable FreeSync in both the monitor's OSD menu (under 'Game Setting') and your AMD Radeon Software.
- **AOC Low Blue Mode & Flicker-Free:** These features are designed to reduce eye strain during extended use. Low Blue Mode reduces harmful blue light emissions, while Flicker-Free technology eliminates screen flickering. These can be toggled in the OSD menu.

6. MAINTENANCE

Proper care ensures the longevity and performance of your monitor:

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, use a monitor-specific cleaning solution applied to the cloth, not directly to the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor casing. Avoid abrasive cleaners.
- **Ventilation:** Ensure the monitor's ventilation openings are not blocked to prevent overheating.
- **Power Off:** Always turn off the monitor when not in use for extended periods.

7. TROUBLESHOOTING

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

- **No Image on Screen:**
 - Check if the power cord is securely connected to both the monitor and the power outlet.
 - Verify that the video cable (DisplayPort, HDMI, or VGA) is correctly connected to both the monitor

and your computer/console.

- Ensure the correct input source is selected in the monitor's OSD menu.
- Try connecting the monitor to a different power outlet or using a different video cable.

- **Image is Blurry or Distorted:**

- Adjust the resolution of your computer/console to match the monitor's native resolution (1920x1080).
- Check the video cable for damage or loose connections.
- Reset the monitor settings to factory defaults via the OSD menu.

- **Screen Flickering:**

- Ensure the 'Flicker-Free' option is enabled in the OSD menu.
- If using FreeSync, ensure it is properly configured and your graphics drivers are up to date.

- **No Sound from Audio Line-out:**

- Verify that your external speakers or headphones are properly connected and powered on.
- Check the volume settings in both the monitor's OSD menu and your computer/console.

8. SPECIFICATIONS

| Feature | Specification |
|--------------------------|---|
| Screen Size | 27 Inches |
| Panel Type | VA (Vertical Alignment) |
| Curvature | 1800R |
| Resolution | 1920 x 1080 (FHD 1080p) |
| Refresh Rate | 144Hz |
| Response Time | 1ms (MPRT) |
| Adaptive Sync Technology | AMD FreeSync |
| Brightness | 250 cd/m ² |
| Contrast Ratio (Dynamic) | 80,000,000:1 (Smart Contrast) |
| Connectivity | 1x DisplayPort, 2x HDMI 1.4, 1x VGA, Audio Line-out |
| Stand Adjustments | Height Adjustable |
| VESA Compatibility | Yes |
| Dimensions (LxWxH) | 21.06 x 24.09 x 9.64 inches |
| Weight | 13.66 pounds |

9. WARRANTY AND SUPPORT

The AOC C27G1 monitor comes with a comprehensive warranty package:

- **3-Year Zero-Bright-Dot Warranty:** Covers the monitor against bright pixel defects for three years.
- **3-Year Advance Replacement:** In case of a covered defect, a replacement unit will be shipped to you in advance.
- **1-Year (One-Time) Accidental Damage Coverage:** Provides coverage for accidental damage for one year from the date of purchase.

For further assistance or to claim warranty, please refer to the contact information provided in your Quick Start Guide or visit the official AOC support website.