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> Cooler Master GM34-CWQ2 34" Curved UWQHD Gaming Monitor User Manual

Cooler Master CMI-GM34-CWQ2-US

Cooler Master GM34-CWQ2 34" Curved UWQHD Gaming Monitor User Manual

Model: CMI-GM34-CWQ2-US

1. INTRODUCTION

The Cooler Master GM34-CWQ2 is a 34-inch curved UWQHD (3440 x 1440) VA Quantum Dot Gaming Monitor designed to deliver an exceptional visual experience for both work and gaming. It features a 1500R curvature, a high refresh rate of up to 180Hz, and a rapid response time of up to 0.5ms, ensuring fluid and immersive visuals.



Figure 1.1: Front view of the Cooler Master GM34-CWQ2 monitor with its stand.

Key Features:

- **Quantum Dots Ultimate Visuals:** Crafted with advanced quantum dot technology for vivid colors, precise light emission, accurate color reproduction, and an expansive 95% DCI-P3 color gamut.
- **Greater Immersion:** UWQHD resolution provides extra screen space for improved multitasking and a more immersive gaming experience. The 1500R curvature enhances content without distortion.
- **Fluid Gaming Experience:** Features a 165Hz (Typ.) / 180Hz (OC) UWQHD panel with a rapid 0.5ms pixel response time. Dynamic Overdrive adjusts settings for optimal performance and minimal overshoot.
- **Ultra-smooth Realism:** FreeSync Premium ensures smooth, tear-free gameplay by synchronizing GPU output with the monitor's refresh rate.
- **95% DCI-P3 And 6-Axis Color Adjustment:** Offers exceptional color detail and a broad color gamut, ideal for color-sensitive tasks.

2. SETUP AND ASSEMBLY

This section provides instructions for assembling your monitor and connecting it to your computer or other devices.

2.1 Package Contents

Before proceeding, please verify that all components are present in the package:

- Cooler Master GM34-CWQ2 Monitor
- Monitor Stand (Base and Neck)
- Power Adapter and Cable
- DisplayPort Cable
- HDMI Cable
- USB Type-B to Type-A Cable (for USB hub functionality)
- User Manual (this document)

2.2 Stand Assembly

1. Carefully remove the monitor from its packaging, placing it face down on a soft, clean surface to prevent scratches.
2. Attach the stand neck to the monitor panel by aligning the mounting points and securing with the provided screws.
3. Attach the stand base to the neck, ensuring it clicks into place or is secured with the designated screw.
4. Carefully lift the assembled monitor and place it on a stable, flat surface.

2.3 Connecting Your Monitor

The GM34-CWQ2 offers various connectivity options. Refer to the image below for port locations.

CONNECTIVITY OPTIONS

Connect your devices with
I/O ports consisting of:

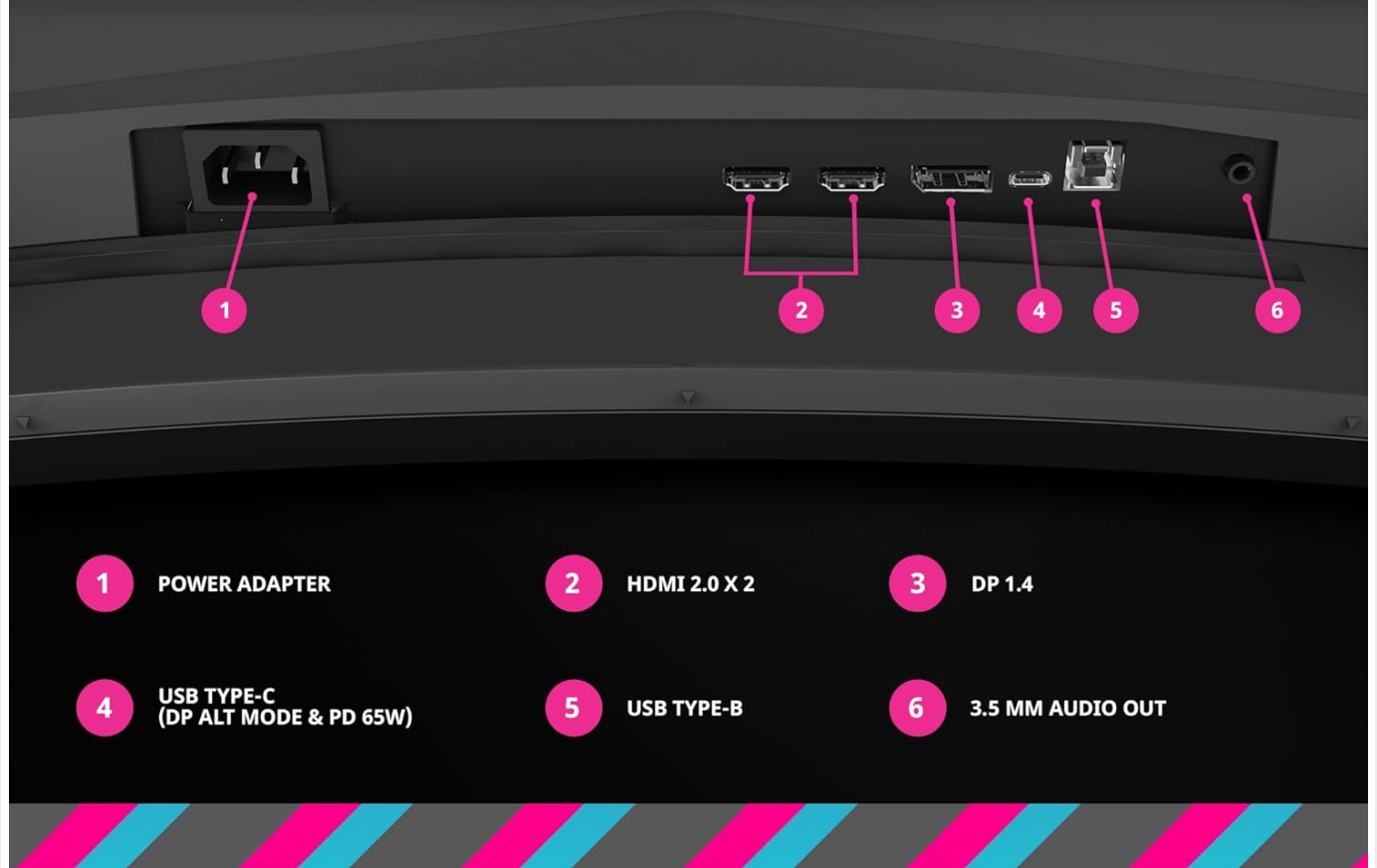


Figure 2.1: Rear view showing the connectivity ports of the GM34-CWQ2 monitor.

- **Power Adapter:** Connect the power cable to the monitor's power input and then to a wall outlet.
- **HDMI 2.0 (x2):** Connect an HDMI cable from your computer or gaming console to one of the HDMI ports on the monitor.
- **DisplayPort 1.4 (x1):** For optimal performance, connect a DisplayPort cable from your computer's graphics card to the DisplayPort on the monitor.
- **USB Type-C (DP Alt Mode & PD 65W):** Connect compatible devices for video input, data transfer, and power delivery.
- **USB Type-B:** Connect this port to your computer's USB port to enable the monitor's built-in USB hub (USB 2.0 x3, USB 3.0 x3).
- **3.5mm Audio Out:** Connect headphones or external speakers.

After connecting all necessary cables, power on the monitor and your connected device. The monitor should automatically detect the input signal. If not, you may need to manually select the input source using the OSD menu.

3. OPERATING YOUR MONITOR

This section details how to navigate the On-Screen Display (OSD) menu and utilize the monitor's advanced features.

3.1 OSD Menu Navigation

The monitor features a joystick control located on the rear or bottom of the panel for easy OSD menu navigation. Press the joystick to open the OSD menu, then move it up/down/left/right to select and adjust settings.

- **Picture Settings:** Adjust brightness, contrast, sharpness, color temperature, and gamma.
- **Color Settings:** Fine-tune color accuracy, including 6-axis color adjustment for precise calibration.
- **Display Settings:** Select input source, aspect ratio, and enable/disable features like FreeSync Premium.
- **Gaming Settings:** Configure refresh rate (165Hz/180Hz OC), response time (0.5ms), Dynamic Overdrive, and crosshair overlays.
- **PIP/PBP Settings:** Configure Picture-in-Picture or Picture-by-Picture modes.
- **OSD Settings:** Adjust OSD language, transparency, and timeout.
- **System Settings:** Reset to factory defaults, update firmware, and view system information.

3.2 Advanced Features

QUANTUM DOTS ULTIMATE VISUALS

Crafted with advanced quantum dot technology, our display offers vivid colors, precise light emission, accurate color reproduction, and a wide **95% DCI-P3** color gamut for an exceptional viewing experience.



Figure 3.1: Diagram illustrating Quantum Dot display technology layers.

Quantum Dot Technology: This monitor utilizes Quantum Dot technology to produce a wider color gamut and more vibrant, accurate colors. This results in a more lifelike and immersive visual experience, especially for content with rich color detail.

GREATER IMMERSION



UWQHD resolution boosts multitasking and gaming immersion with added screen space. Its **1500R curvature** strikes a balance, enhancing content without distortion. This enveloping curvature intensifies the gaming and entertainment experience.



Figure 3.2: Visual representation of the 34-inch UWQHD display and its 1500R curvature.

UWQHD Resolution and 1500R Curvature: The 3440x1440 UWQHD resolution provides a vast workspace and detailed visuals. The 1500R curvature wraps the image around your field of view, enhancing immersion in games and movies while reducing eye strain during extended use.

FLUID GAMING EXPERIENCE

Featuring a **165Hz (Typ.) / 180Hz (OC) UWQHD** panel with a rapid **0.5ms pixel response time** and **Dynamic Overdrive**, which adjusts overdrive settings based on game framerate for optimal performance and minimal overshoot.



Figure 3.3: Comparison showing the difference between conventional and fluid gaming experience with 165Hz/180Hz and 0.5ms response time.

High Refresh Rate and Fast Response Time: With a native 165Hz refresh rate and an overclockable 180Hz, combined with a 0.5ms (MPRT) response time, the monitor delivers incredibly smooth motion and minimal ghosting, crucial for fast-paced gaming.

PICTURE-IN-PICTURE PICTURE-BY-PICTURE

(PIP) Leverage PIP functionality to resize a secondary source, enabling efficient multitasking while keeping an eye on another task. **(PBP)** Seamlessly switch between dual sources at their native resolutions, empowering you to analyze two projects or operate two programs concurrently.



Figure 3.4: Examples of Picture-in-Picture (PIP) and Picture-by-Picture (PBP) modes in use.

Picture-in-Picture (PIP) and Picture-by-Picture (PBP): These features allow you to display content from multiple input sources simultaneously. PIP shows a secondary source in a smaller window, while PBP divides the screen to show two sources side-by-side at their native resolutions, ideal for multitasking.

EASY ON THE EYES



Safeguard your eyes from harmful blue light and ensure comfort with **Low Blue Light and Flicker-Free technologies**. These minimize eye strain during long work or gaming sessions, ensuring a more comfortable viewing experience.



Figure 3.5: Visual representation of the benefits of Low Blue Light and Flicker-Free technologies.

Eye Care Technologies: The monitor incorporates Low Blue Light and Flicker-Free technologies to reduce eye strain during prolonged use. Low Blue Light filters harmful blue light emissions, and Flicker-Free technology eliminates screen flickering, providing a more comfortable viewing experience.

4. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your monitor.

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, dampen the cloth slightly with water or a specialized screen cleaner. Never spray liquid directly onto the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor casing. Avoid using abrasive cleaners or solvents.
- **Ventilation:** Ensure the monitor's ventilation openings are not blocked to prevent overheating.
- **Power Off When Not in Use:** Turn off the monitor when not in use for extended periods to save energy and prolong its lifespan.

- **Avoid Direct Sunlight:** Do not expose the monitor to direct sunlight or excessive heat sources.

5. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No image on screen	Power cable disconnected; Video cable disconnected or loose; Incorrect input source selected.	Check power connections; Ensure video cable (DP/HDMI/USB-C) is securely connected; Select correct input source via OSD menu.
Image is blurry or distorted	Incorrect resolution setting; Video cable issue.	Set display resolution to 3440 x 1440; Try a different video cable.
No sound from speakers/headphones	Audio cable disconnected; Volume too low; Incorrect audio output selected on computer.	Ensure 3.5mm audio cable is connected; Adjust monitor volume; Select monitor as audio output device in OS settings.
Monitor flickering	Refresh rate mismatch; Cable issue; Graphics driver issue.	Ensure refresh rate is set correctly (e.g., 165Hz or 180Hz); Update graphics drivers; Try a different video cable.
USB ports not working	USB Type-B upstream cable not connected.	Connect the USB Type-B cable from the monitor to your computer.

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

6. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	GM34-CWQ2
Item Model Number	CMI-GM34-CWQ2-US
Screen Size	34 Inches
Panel Type	VA with Quantum Dot
Curvature	1500R
Native Resolution	UWQHD (3440 x 1440)
Max Refresh Rate	180Hz (Overclock) / 165Hz (Typical)
Response Time	0.5ms (MPRT)
Aspect Ratio	21:9
Color Gamut	95% DCI-P3
Contrast Ratio	4000:1 (Typical)
HDR Support	HDR400

Feature	Specification
Adaptive Sync	FreeSync Premium
Connectivity	2x HDMI 2.0, 1x DisplayPort 1.4, 1x USB Type-C (DP Alt Mode & PD 65W), 1x USB Type-B (Upstream), 3x USB 2.0 (Downstream), 3x USB 3.0 (Downstream), 1x 3.5mm Audio Out
Dimensions (LxWxH)	31.74 x 10.77 x 20.33 inches (with stand)
Item Weight	22.2 pounds
Color	Black

7. WARRANTY AND SUPPORT

Cooler Master products are designed and manufactured to the highest quality standards. For detailed warranty information, please refer to the warranty card included with your product or visit the official Cooler Master website.

Customer Support:

For technical assistance, troubleshooting, or warranty claims, please contact Cooler Master customer support through their official channels:

- **Official Website:** Visit www.coolermaster.com for support resources, FAQs, and contact information.
- **Amazon Brand Store:** You can also find product information and support links on the official Cooler Master Amazon store: [Cooler Master Amazon Store](#).

Please have your product model number (CMI-GM34-CWQ2-US) and serial number ready when contacting support.

