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## Cooler Master CMI-GM34-CWQA-US

# Cooler Master GM34-CWQA 34" ARGB Curved Gaming Monitor User Manual

Model: CMI-GM34-CWQA-US

Brand: Cooler Master

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Cooler Master GM34-CWQA 34" ARGB Curved Gaming Monitor. The GM34-CWQA is designed to enhance your work and gaming experience with its Ultra-WQHD 3440x1440 resolution, Quantum Dot technology, and 144Hz refresh rate.



Figure 1.1: Cooler Master GM34-CWQA Monitor Overview

This image displays the front view of the Cooler Master GM34-CWQA 34-inch curved gaming monitor, showcasing its sleek

## 2. PRODUCT FEATURES

The Cooler Master GM34-CWQA monitor incorporates several advanced features for an optimized visual experience:

- **All-Round Immersive Display:** Features an Ultra-WQHD QD Tech 3440x1440 screen, providing exceptional clarity, detail, and depth for both gaming and productivity.
- **High Refresh Rate & Response Time:** A 144Hz refresh rate combined with a 0.5ms (MPRT) response time ensures smooth visuals and precise tracking, reducing lag and ghosting.
- **Curved Panel Design:** The 1500R curved VA panel offers an immersive viewing experience, minimizing distortion and enhancing eye comfort by providing a larger perceived field of view.
- **FreeSync Premium + HDR400:** Delivers faultless visuals with AMD FreeSync Premium technology for tear-free gameplay and HDR400 support for enhanced contrast and color.
- **Quantum Dot Technology:** Achieves lifelike visuals with up to 98% DCI-P3 and 125% sRGB color gamut, resulting in brighter, crisper, and more natural colors.
- **Ergonomic Stand:** The cast-aluminum "Halo" stand allows for up to 100mm of height adjustment and 15 degrees of tilt, enabling comfortable viewing angles.
- **Smart Ambiance ARGB Lighting:** Customizable ARGB lighting integrated into the stand, controllable via the MasterPlus+ app, can synchronize with display colors for real-time ambiance.

## 3. PACKAGE CONTENTS

Before proceeding with the setup, please ensure all items listed below are present in the package:

- Cooler Master GM34-CWQA Monitor
- Monitor Stand (Base and Neck)
- 1 x DisplayPort (DP) Cable
- 2 x HDMI 2.0 Cables
- 1 x USB-C Cable
- 1 x USB-B Cable
- 2 x USB-A Ports (Integrated into monitor)
- Power Adapter and Cable
- VESA Mount Screws (for optional VESA mounting)
- User Manual (this document)

## 4. SETUP

### 4.1 Assembling the Monitor Stand

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand neck to the monitor panel. Ensure it clicks securely into place.
3. Connect the stand base to the stand neck. Tighten the captive screw at the bottom of the base to secure the assembly.
4. Place the assembled monitor on a stable, flat surface.



Figure 4.1: Assembled Monitor

This image shows the Cooler Master GM34-CWQA monitor fully assembled with its stand, ready for connection.

### 4.2 Connecting the Monitor

Refer to the rear view of the monitor for port locations:



Figure 4.2: Rear View with Ports

This image provides a clear view of the rear panel of the Cooler Master GM34-CWQA monitor, highlighting the various input and output ports available for connectivity.

1. **Power Connection:** Connect the power adapter to the monitor's power input and then plug it into a power outlet.
2. **Video Connection:** Choose one of the following options to connect your computer to the monitor:
  - **DisplayPort (DP):** For optimal performance, connect one end of the DisplayPort cable to your computer's graphics card and the other end to the monitor's DP input.
  - **HDMI:** Connect an HDMI cable from your computer's HDMI output to one of the monitor's HDMI 2.0 inputs.
  - **USB-C:** If your device supports video output over USB-C, connect a USB-C cable from your device to the monitor's USB-C input.
3. **USB Hub Connection (Optional):** To enable the monitor's integrated USB-A ports, connect the USB-B cable from your computer to the monitor's USB-B input.

## 5. OPERATING THE MONITOR

### 5.1 Powering On/Off

Press the power button, usually located on the back or bottom of the monitor, to turn the monitor on or off. The power indicator light will illuminate when the monitor is on.

### 5.2 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Access the OSD menu by pressing the OSD joystick/button. Navigate through the menu options using the joystick/buttons and confirm selections.

### 5.3 Display Settings

Adjust settings such as brightness, contrast, color temperature, and input source through the OSD menu.

### 5.4 HDR Modes

The monitor supports multiple HDR modes to optimize viewing for different content types. These modes include Standard, Game, and Movie HDR. You can select these through the OSD menu. Standard HDR mode allows for personal adjustments to R/G/B color values, brightness, and contrast.

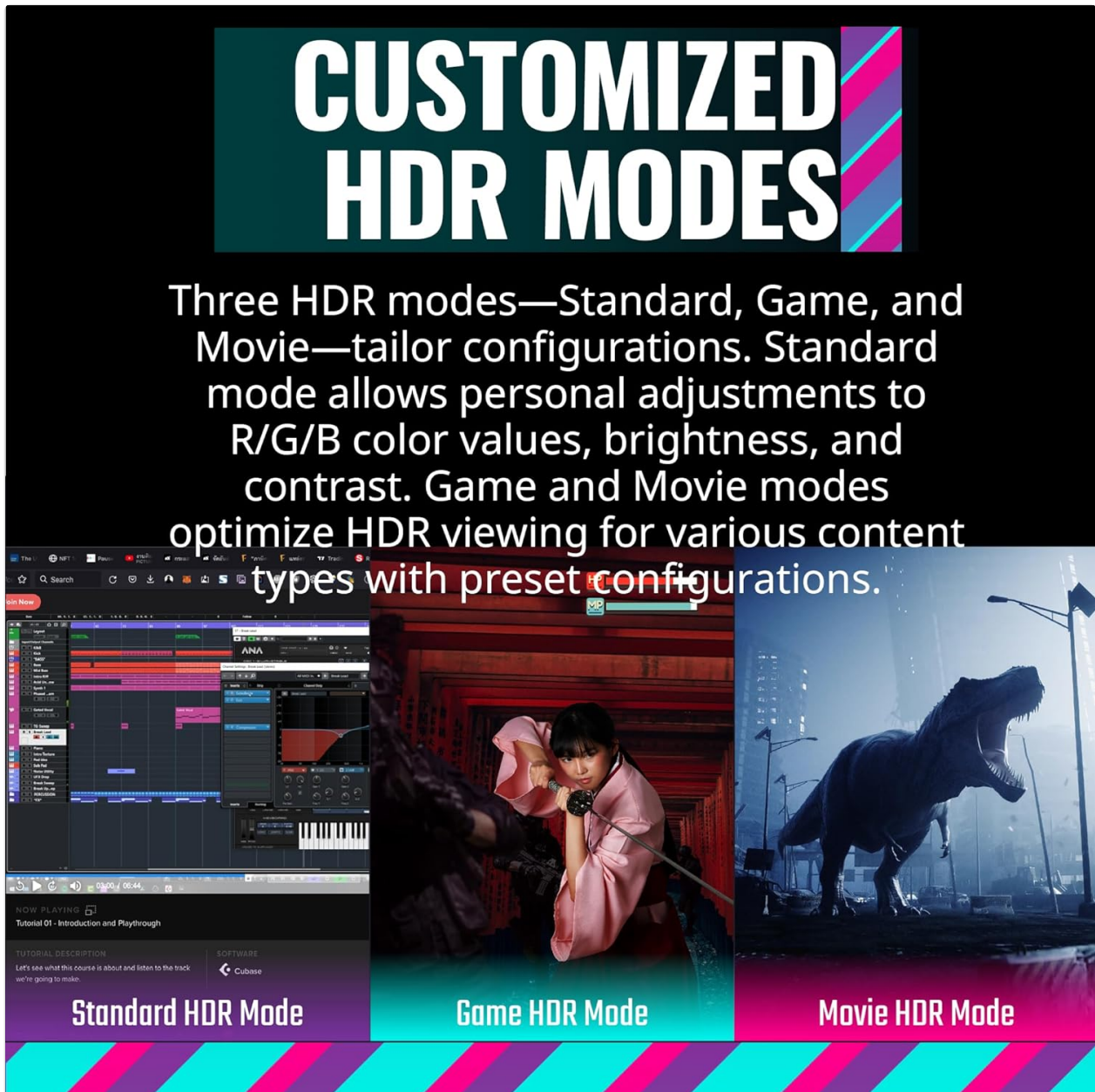


Figure 5.1: Customized HDR Modes

This image illustrates the three customized HDR modes available on the Cooler Master GM34-CWQA monitor: Standard HDR Mode, Game HDR Mode, and Movie HDR Mode, each tailored for specific content.

### 5.5 FreeSync Premium

For a seamless, tear-free gaming experience, enable FreeSync Premium through your graphics card settings and the monitor's OSD menu. This technology supports low framerate compensation (LFC) for impeccably smooth gameplay across a wide framerate range.

# Freesync Premium

Gamers are ensured a seamless, tear-free gameplay experience supported by low framerate compensation (LFC). Regardless of the game, you can relish impeccably smooth gameplay across a wider framerate range.



Figure 5.2: FreeSync Premium Comparison

This image visually compares gameplay with FreeSync Premium enabled versus disabled, demonstrating the smoother, tear-free experience when the feature is active.

## 5.6 ARGB Lighting Control

The integrated ARGB lighting in the monitor's Halo stand can be customized using the MasterPlus+ app. This allows you to set specific colors for different occasions or synchronize the lighting with the display colors in real-time.

# ARGB LIGHTING

You have full control to customize the ARGB lighting integrated into the Halo stand. Set specific colors for different occasions for a harmonized lighting experience.



Figure 5.3: ARGB Lighting Customization

This image shows the MasterPlus+ app interface on a screen, demonstrating the full control users have over customizing the ARGB lighting integrated into the monitor's stand.

## 5.7 Black Stabilization Mode

Utilize the Black Stabilization mode to gain a competitive edge in games. This feature enhances visibility in dark game areas, making it easier to spot enemies and preventing vulnerability.

# GET THE EDGE IN THE DARK

Secure a competitive edge against your adversaries using our Black Stabilization mode. In the darkest game areas, where visibility is limited, spotting enemies becomes easier, preventing vulnerability.

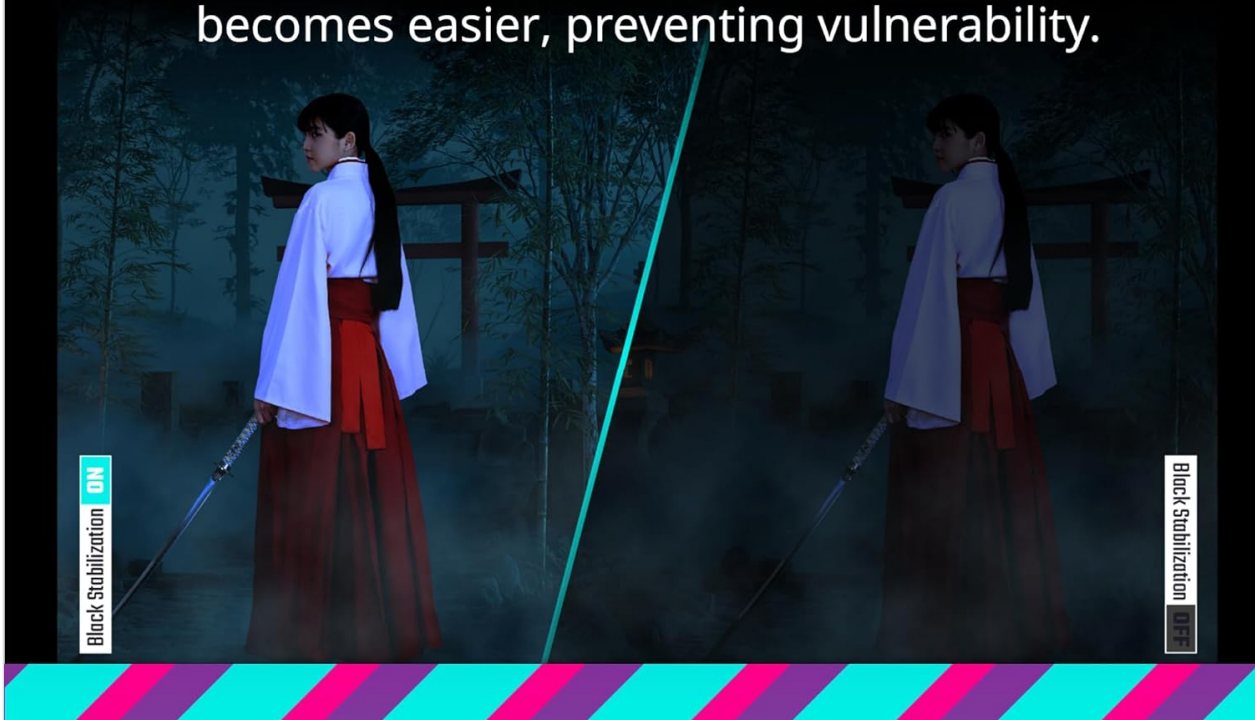


Figure 5.4: Black Stabilization Comparison

This image compares a dark game scene with Black Stabilization mode off (right) and on (left), illustrating how the feature improves visibility in dimly lit areas.

## 6. MAINTENANCE

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, 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 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 conserve energy and prolong its lifespan.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No image on screen	Power cable not connected; Video cable not connected; Incorrect input source selected.	Ensure power cable is securely connected and power outlet is active. Check video cable connections (DP, HDMI, USB-C). Select the correct input source via the OSD menu.
Image is blurry or distorted	Incorrect resolution; Graphics card driver issues; Cable quality.	Set display resolution to 3440x1440. Update graphics card drivers. Try a different video cable.
No sound (if applicable)	Volume too low; Incorrect audio output device.	Adjust monitor volume via OSD. Ensure monitor is selected as the audio output device in your computer's sound settings.
Flickering or screen tearing	FreeSync not enabled; Refresh rate mismatch.	Enable FreeSync Premium in both monitor OSD and graphics card settings. Ensure refresh rate is set to 144Hz in display settings.
ARGB lighting not working	MasterPlus+ app not installed or configured; Connection issue.	Install and configure the MasterPlus+ app. Ensure the USB-B cable is connected from the monitor to your PC.

## 8. TECHNICAL SPECIFICATIONS

Feature	Specification
Screen Size	34 Inches
Panel Type	VA with Quantum Dot Technology
Resolution	3440 x 1440 (Ultra-WQHD)
Aspect Ratio	2.35:1
Curvature	1500R
Refresh Rate	144Hz
Response Time	0.5ms (MPRT)
HDR Support	HDR400
Adaptive Sync	FreeSync Premium

Feature	Specification
Color Gamut	98% DCI-P3, 125% sRGB
Connectivity	1 x DisplayPort, 2 x HDMI 2.0, 1 x USB-C, 1 x USB-B, 2 x USB-A
VESA Mount Compatibility	Yes
Item Weight	21.8 pounds
Product Dimensions (LxWxH)	3.54 x 27.6 x 52.76 inches



Figure 8.1: Front Dimensions

This image provides the front view dimensions of the Cooler Master GM34-CWQA monitor, including overall width and height.



Figure 8.2: Side Dimensions

This image illustrates the side view dimensions of the Cooler Master GM34-CWQA monitor, showing its depth and height adjustment range.

## 9. WARRANTY AND SUPPORT

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

For technical support, troubleshooting assistance, or to download the latest drivers and software (such as

MasterPlus+), please visit the official Cooler Master support page:

[Visit the Cooler Master Store on Amazon](#)

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