

- Manuals.plus /
- > Cooler Master /
 - > Cooler Master Tempest GP2711 27" Mini LED Monitor User Manual

Cooler Master CMI-GP2711-US

Cooler Master Tempest GP2711 27" Mini LED Monitor User Manual

Model: CMI-GP2711-US

INTRODUCTION

The Cooler Master Tempest GP2711 is a high-performance 27-inch QHD (2560x1440) monitor designed for both gaming and professional use. It features Mini LED backlighting, Quantum Dot technology, a 165Hz refresh rate, and a fast response time, delivering exceptional visual fidelity and a smooth user experience. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your monitor.



Front view of the Cooler Master Tempest GP2711 monitor, showcasing its sleek design and display capabilities.

SETUP

1. Unpacking and Component Check

Carefully remove all components from the packaging. Ensure the following items are present:

- Cooler Master Tempest GP2711 Monitor
- Monitor Stand (Base and Neck)
- Power Adapter and Cable
- DisplayPort Cable
- HDMI Cable
- USB Type-B to Type-A Cable
- User Manual (this document)

2. Stand Assembly

1. Attach the stand neck to the monitor panel. Ensure it clicks securely into place.
2. Attach the stand base to the stand neck. Tighten the captive screw at the bottom of the base to secure it.



Rear view of the monitor, showing the stand attachment point.

3. Connecting Cables

Connect the necessary cables to the monitor's input ports. Refer to the diagram below for port locations:

CONNECTIVITY OPTIONS

Connect your devices with
I/O ports consisting of:



Diagram illustrating the various connectivity options on the monitor's rear panel.

- **Power:** Connect the power adapter to the DC IN port (1) and then to a power outlet.
- **Video Input:** Connect your PC or device using either the DisplayPort 1.4 (5) or one of the HDMI 2.0 ports (4). For optimal performance (165Hz, HDR), DisplayPort is recommended.
- **USB Hub:** Connect the USB Type-B 3.0 upstream cable (3) from the monitor to your PC to enable the USB Type-A 3.0 downstream ports (2) on the monitor.
- **USB Type-C:** Connect compatible devices to the USB Type-C port (6) for video input (DP Alt Mode) and power delivery (PD15W).
- **Audio Output:** Connect external speakers or headphones to the 3.5mm Audio Out port (7).

4. Initial Power On

Press the power button, typically located on the rear or bottom of the monitor, to turn it on. The monitor will automatically detect the active input. If no signal is detected, ensure your source device is powered on and the video cable is securely connected.

1. On-Screen Display (OSD) Navigation

The monitor's settings are controlled via an OSD joystick or buttons, usually located on the rear or bottom right of the monitor. Press the joystick/button to access the OSD menu. Navigate through options by moving the joystick up/down/left/right or using the corresponding buttons, and confirm selections by pressing the joystick/button.

2. Input Selection

To manually switch between video inputs (DisplayPort, HDMI 1, HDMI 2, USB-C), access the OSD menu and navigate to the 'Input' section. Select your desired input source.

3. Picture Settings

Adjust display parameters for optimal viewing:

- **Brightness/Contrast:** Adjust the overall luminance and distinction between light and dark areas.
- **Color Modes:** Select from various preset color modes (e.g., Standard, Gaming, Movie, sRGB) or customize settings for color temperature, hue, and saturation. The monitor supports 93.5% Adobe RGB and 95% DCI-P3 color gamuts for accurate color reproduction.
- **HDR (High Dynamic Range):** Enable HDR for compatible content to experience enhanced contrast and color depth. The GP2711 supports HDR1000 with over 3,000,000:1 contrast ratio via local dimming.

SUPERIOR CONTRAST & HDR 1000

The Mini-LED technology offers a lifelike viewing experience, boasting a **3000:1 contrast ratio** and **HDR with 3,000,000:1 via local dimming**. With up to **1000 nits of brightness**, it delivers sharp clarity in bright scenes and rich details in dark scenes.



Visual comparison demonstrating the superior contrast and HDR capabilities of the GP2711.

4. Refresh Rate and FreeSync Premium

The monitor supports a 165Hz refresh rate. Ensure your graphics card settings are configured to utilize this refresh rate. The GP2711 is compatible with AMD FreeSync Premium, which synchronizes the monitor's refresh rate with your GPU's frame rate to eliminate screen tearing and stuttering during gaming. Enable FreeSync in the OSD menu and your graphics card control panel.

ULTRA-SMOOTH REALISM

FreeSync ensures smooth, lifelike gameplay by synchronizing GPU frames with the monitor's refresh rate, delivering **tear-free** and **incredibly smooth gaming experiences**.



Illustration of smooth gameplay enabled by FreeSync Premium technology.

5. Low Blue Light & Flicker-Free

To reduce eye strain during extended use, the monitor incorporates Low Blue Light and Flicker-Free technologies. These features can be enabled or adjusted through the OSD menu.

LOW BLUE LIGHT & FLICKER-FREE

Shield your eyes from harmful blue light with our **Low Blue Light and Flicker-Free technology**, reducing eye strain for productive work or extended gaming sessions.



Visual representation of the monitor's eye-care features.

MAINTENANCE

1. Cleaning the Monitor

- Always power off the monitor and unplug the power cable before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a non-abrasive screen cleaner.
- Do not spray liquid directly onto the screen or monitor casing.
- Avoid using benzene, thinner, ammonia-based cleaners, or abrasive cleaners, as these can damage the surface.

2. Ventilation

Ensure adequate ventilation around the monitor to prevent overheating. Do not block the ventilation openings on the rear

of the monitor. Cooler Master's innovative cooling design helps maintain optimal operating temperatures, extending product durability.

OPTIMIZED COOLING DESIGN

Cooler Master's innovative design ensures superior cooling, **reduces** the main chip's temperature by **5 degrees**, and extends product durability by up to **30%**.

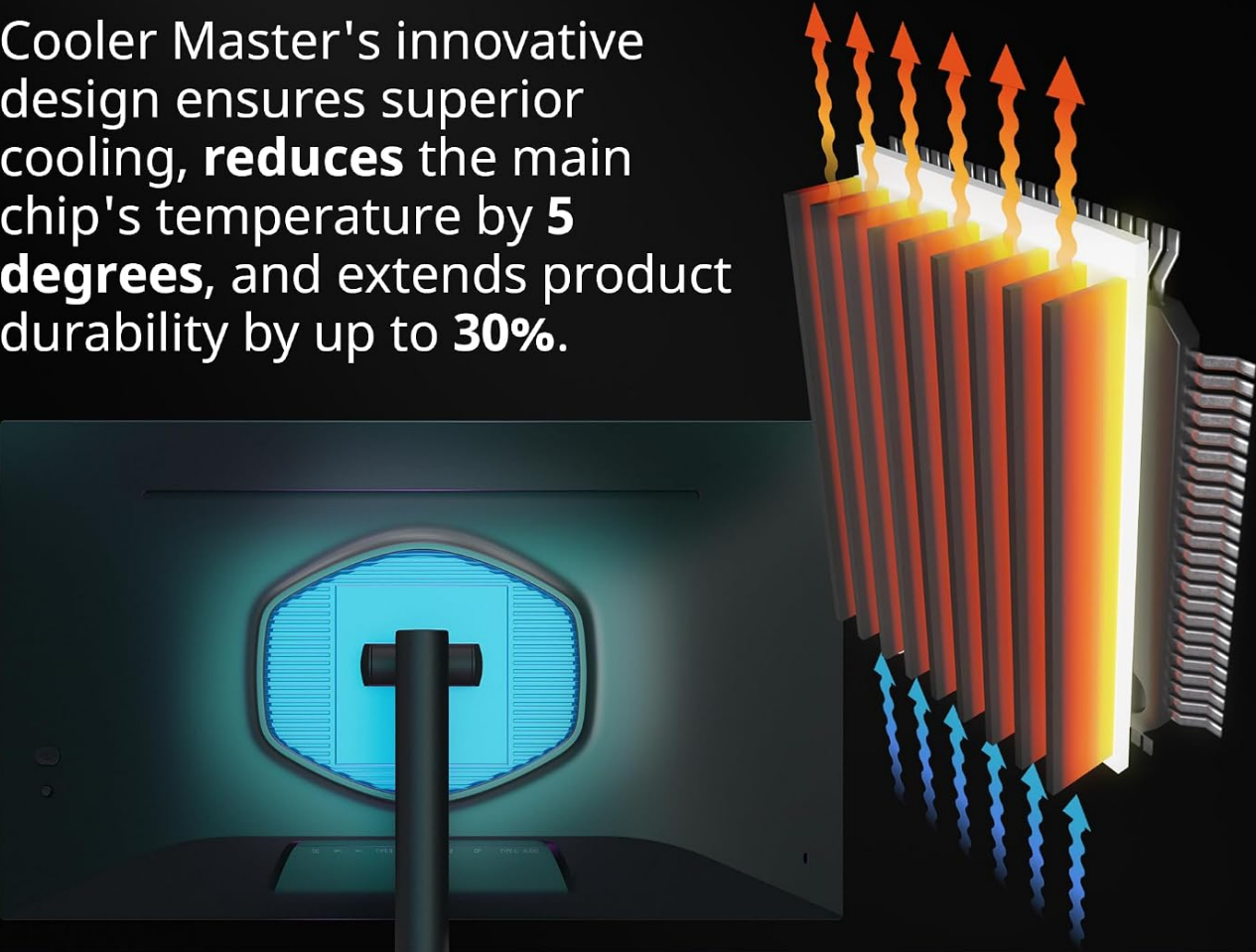


Diagram illustrating the optimized cooling design of the monitor.

3. Storage

When storing the monitor for an extended period, place it in a cool, dry environment, preferably in its original packaging to protect it from dust and physical damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power	Power cable not connected; Power outlet faulty; Monitor off	Ensure power cable is securely connected to monitor and outlet. Test outlet with another device. Press monitor power button.
No signal	Video cable not connected; Incorrect input selected; Source device off	Check video cable connections (DisplayPort, HDMI, USB-C). Select correct input via OSD. Ensure PC/device is powered on.
Image flickering or distorted	Loose video cable; Incorrect resolution/refresh rate; Graphics driver issue	Reseat video cable. Adjust display resolution and refresh rate in PC settings. Update graphics drivers.
Colors appear incorrect	Incorrect color settings; Faulty cable	Reset OSD color settings to default. Try a different video cable.
OSD not responding	Monitor frozen; Buttons/joystick stuck	Power cycle the monitor (unplug and replug). Check for physical obstructions around OSD controls.

SPECIFICATIONS

Feature	Specification
Model Name	Tempest GP2711
Panel Size	27 Inches
Panel Type	VA with Mini LED Backlight
Resolution	2560 x 1440 (QHD)
Refresh Rate	165Hz
Response Time	4ms (GtG) / 1ms (MPRT)
HDR Support	HDR1000
Contrast Ratio	3000:1 (Typical), >3,000,000:1 (HDR+ Local Dimming)
Color Gamut	93.5% Adobe RGB, 95% DCI-P3
Connectivity	1x DisplayPort 1.4, 2x HDMI 2.0, 1x USB Type-C (DP Alt Mode & PD15W), 2x USB Type-A 3.0, 1x USB Type-B 3.0 (Upstream), 1x 3.5mm Audio Out
Dimensions (LxWxH)	10.8 x 24.2 x 21 inches (with stand)
Weight	18.36 pounds
Color	Black



Dimensional overview of the Cooler Master Tempest GP2711 monitor.

WARRANTY AND SUPPORT

The Cooler Master Tempest GP2711 monitor comes with a **4-year warranty**, ensuring peace of mind regarding product durability and performance. For technical support, warranty claims, or further assistance, please visit the official Cooler Master website or contact their customer service department. Keep your purchase receipt as proof of purchase for

warranty purposes.

For the most up-to-date drivers, firmware, and support resources, please visit the Cooler Master official support page:

www.coolermaster.com

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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