GIGABYTE GP-AORUS WATERFORCE II 240 G2

AORUS WATERFORCE II 240 Liquid CPU Cooler User Manual

Model: GP-AORUS WATERFORCE II 240 G2 | Brand: GIGABYTE

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your AORUS WATERFORCE II 240 Liquid CPU Cooler. Designed for high-performance computing, this all-in-one liquid cooler efficiently dissipates heat from your CPU, ensuring stable and quiet operation. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of your product.



Figure 1: AORUS WATERFORCE II 240 Liquid CPU Cooler overview.

Package Contents

Before beginning installation, please verify that all components listed below are present in your package:

- AORUS WATERFORCE II 240 Radiator with Integrated Pump and Water Block
- 2 x 120mm ARGB Fans
- Intel Mounting Bracket Kit (LGA115x, 1200, 1700, 1851)
- AMD Mounting Bracket Kit (AM5, AM4)
- Fan Screws and Radiator Screws
- Thermal Paste (pre-applied or in a tube)
- Cables (Fan power, ARGB, Pump power)
- User Manual (this document)



Figure 2: Unboxed components of the AORUS WATERFORCE II 240.

Setup and Installation

Follow these steps carefully to install your AORUS WATERFORCE II 240 Liquid CPU Cooler. Ensure your system is powered off and unplugged before proceeding.

1. Prepare the Radiator and Fans

1. Attach the 120mm ARGB fans to the radiator using the provided fan screws. Ensure the fan airflow direction is appropriate for your case's cooling strategy (typically blowing air through the radiator).

2. Utilize the EZ-Chain slide-in interlocking mechanism to connect the fans, simplifying cable management and power/signal transmission.

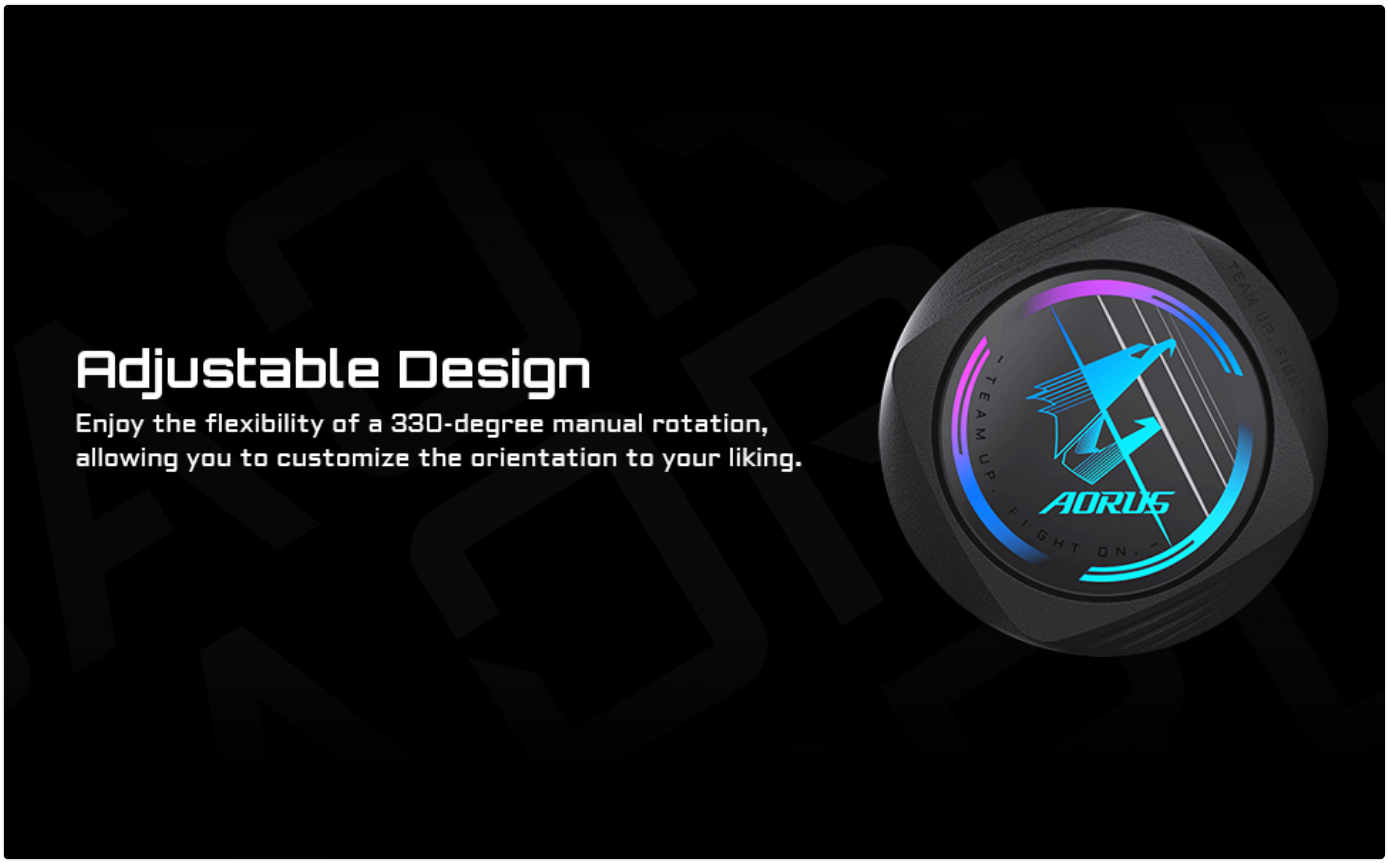


Figure 3: EZ-Chain mechanism for simplified fan connection.

2. Install the CPU Mounting Bracket

Select the appropriate mounting bracket for your CPU socket type (Intel LGA115x/1200/1700/1851 or AMD AM5/AM4). Refer to the diagrams below for correct backplate and stand-off installation.

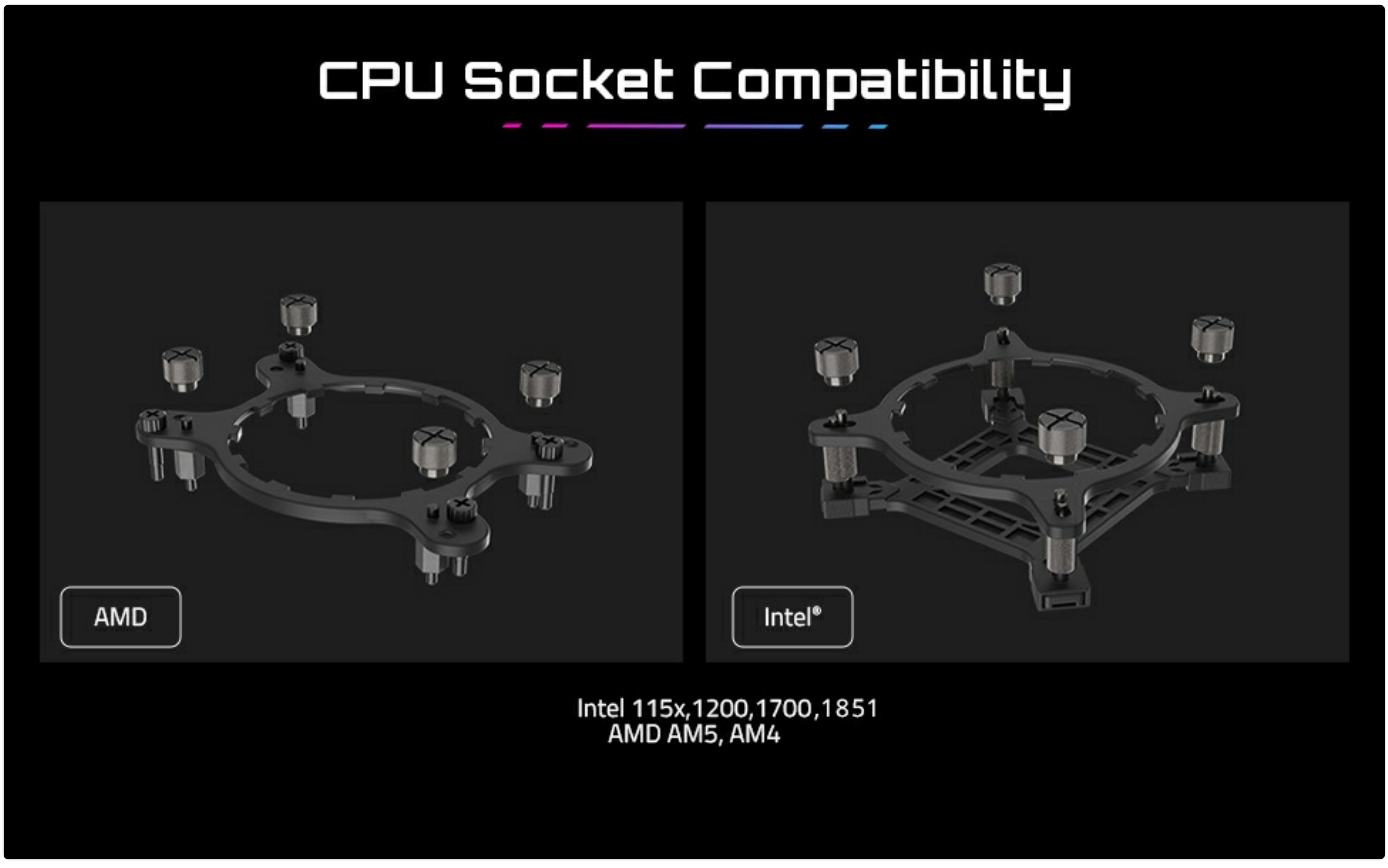


Figure 4: CPU Socket Compatibility and Mounting Brackets.

3. Mount the Water Block

1. Ensure the CPU surface is clean. If thermal paste is not pre-applied, apply a small pea-sized amount to the center of your CPU.
2. Carefully place the water block onto the CPU, aligning the mounting holes with the stand-offs.
3. Secure the water block with the provided thumb screws, tightening them in a diagonal pattern until snug. Do not overtighten.

4. Install the Radiator

Mount the radiator assembly to an available fan mounting location in your PC case (e.g., front, top, or rear). Use the longer radiator screws to secure it.

5. Connect Cables

- Connect the pump power cable to the CPU_FAN or AIO_PUMP header on your motherboard.
- Connect the ARGB cables from the fans and pump to your motherboard's 5V ARGB header or a compatible ARGB controller.
- Connect the fan power cables (if not daisy-chained via EZ-Chain) to available fan headers on your motherboard.

Operating Instructions

Once installed, the AORUS WATERFORCE II 240 operates automatically to cool your CPU. Here are some key operational aspects:

Fan and Pump Control

The cooler features universal design for fan and pump RPM control, compatible with all motherboard brands. You can adjust fan curves and pump speeds through your motherboard's BIOS/UEFI settings or dedicated software provided by your motherboard manufacturer. Optimizing these settings can balance cooling performance and noise levels.

ARGB Lighting Customization

The ARGB lighting on the fans and pump can be synchronized with other devices. Use your motherboard's RGB software (e.g., GIGABYTE RGB Fusion, ASUS Aura Sync, MSI Mystic Light, ASRock Polychrome Sync) to customize lighting effects, colors, and patterns.



Figure 5: Customizable ARGB lighting on the cooler.

Adjustable Water Block Screen

The water block features an adjustable screen that can be rotated 330 degrees. This allows you to orient the AORUS logo and display to your preferred viewing angle after installation, regardless of the pump's mounting orientation.

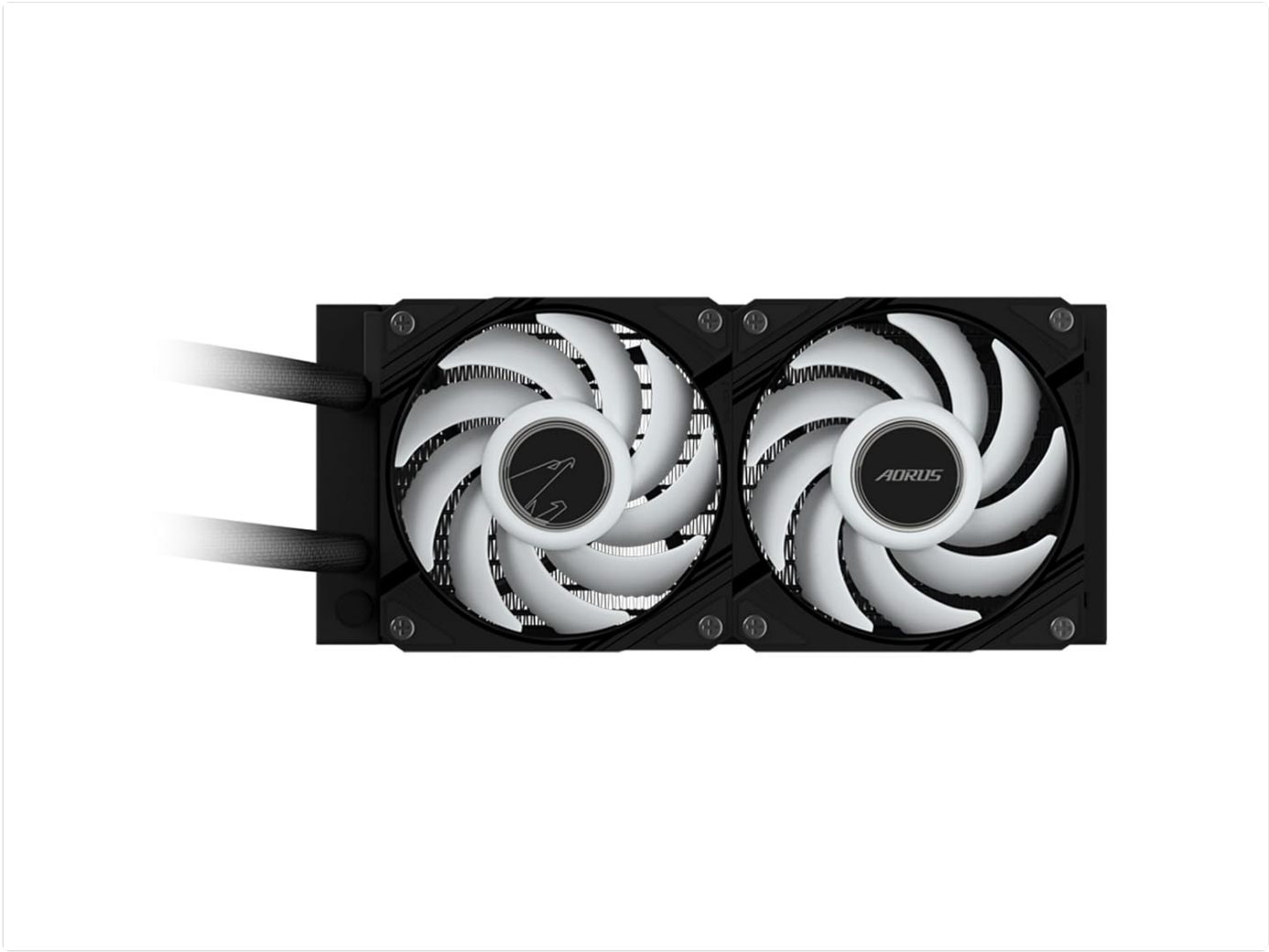


Figure 6: The water block's rotatable screen for optimal logo orientation.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your liquid CPU cooler.

- **Dust Removal:** Periodically clean dust from the radiator fins and fan blades using compressed air. Accumulation of dust can impede airflow and reduce cooling efficiency.
- **Cable Management:** Ensure all cables are neatly routed and not interfering with fan blades or other components.
- **Visual Inspection:** Regularly inspect the tubing for any signs of kinks, leaks, or damage. While rare, addressing issues early can prevent system damage.
- **Thermal Paste:** For optimal performance, consider reapplying thermal paste to the CPU and water block contact surface every few years, especially if you notice a significant increase in CPU temperatures.

Troubleshooting

If you encounter issues with your AORUS WATERFORCE II 240, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
High CPU Temperatures	• Insufficient thermal paste or poor contact. • Fans not spinning or spinning too slowly. • Radiator clogged with dust. • Pump not functioning.	• Reapply thermal paste and ensure proper water block mounting pressure. • Check fan connections and BIOS settings for fan speed control. • Clean radiator fins with compressed air. • Verify pump power connection and check for pump noise/vibration.
Fans Not Spinning / No RGB Lighting	• Incorrect cable connections. • ARGB header not enabled or configured in software. • Faulty fan or ARGB controller.	• Double-check all power and ARGB connections to motherboard/controller. • Ensure ARGB software is installed and configured correctly. • Test fans/RGB with another known working header or device if possible.
Unusual Noise from Cooler	• Air bubbles in the pump. • Fan bearing noise. • Loose screws or components vibrating.	• Orient the radiator higher than the pump to allow air bubbles to settle. Gently tilt the PC case. • Identify the noisy fan and consider replacement if persistent. • Check all mounting screws for tightness.

Specifications

Feature	Detail
Model Number	GP-AORUS WATERFORCE II 240 G2
Radiator Size	240mm
Fan Size	2 x 120mm ARGB Fans
Noise Level	37.5 dB (Maximum)
Pump Speed	Up to 5200 RPM
Cooling Method	Liquid (Water)
Compatible Intel Sockets	LGA115x, LGA1200, LGA1700, LGA1851
Compatible AMD Sockets	AM5, AM4
Power Connector Type	4-Pin
Voltage	12 Volts
Dimensions (Package)	17.8 x 8.39 x 5.43 inches
Weight (Package)	1.32 Pounds
Country of Origin	China

Warranty and Support

GIGABYTE provides a limited warranty for the AORUS WATERFORCE II 240 Liquid CPU Cooler. For detailed warranty terms,

conditions, and duration, please refer to the warranty card included with your product or visit the official GIGABYTE website. For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact GIGABYTE customer service through their official support channels:

- **GIGABYTE Official Website:** www.gigabyte.com
- **Support Page:** Locate the support section for your specific product model.

Please have your product model number (GP-AORUS WATERFORCE II 240 G2) and serial number ready when contacting support.

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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.

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