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Cougar 3MPSD240.0002

COUGAR POSEIDON ELITE 240mm ARGB Liquid Cooler User Manual

Model: 3MPSD240.0002

1. Introduction

The COUGAR POSEIDON ELITE 240mm ARGB Liquid Cooler is an advanced all-in-one (AIO) liquid cooling solution designed to provide high cooling performance for your computer's central processing unit (CPU). Featuring unique 90-degree UTTERIGHT fins, high-efficiency fans, and vibrant ARGB illumination with an infinity mirror design, this cooler ensures optimal thermal management and enhances the aesthetic appeal of your system. It is compatible with modern CPU sockets including AM5 and LGA1700.

2. Safety Information

Please read and understand all safety instructions before installing or operating this product. Failure to do so may result in damage to the product, other components, or personal injury.

- Ensure your computer is powered off and unplugged from the wall outlet before installation.
- Handle components with care to avoid damage. Avoid touching the cold plate surface directly.
- Do not open the liquid cooling loop. The coolant is pre-filled and sealed.
- Keep the product away from liquids and excessive humidity.
- Do not attempt to repair or modify the product. Refer to qualified personnel for service.
- Ensure proper grounding to prevent electrostatic discharge (ESD) damage.

3. Package Contents

Verify that all components listed below are present in your package:

- COUGAR POSEIDON ELITE 240mm ARGB Liquid Cooler (Radiator, Pump/Cold Plate, Tubing)

- 2 x 120mm ARGB Fans
- Mounting Hardware Kit (for Intel LGA1700 and AMD AM5 sockets)
- Fan Screws
- Thermal Paste (pre-applied or in a tube)
- User Manual (this document)

Note: The product package states "Does not include accessories". This refers to additional PC accessories not directly part of the cooler kit. The necessary mounting hardware and fans are included with the cooler itself.

4. Setup and Installation

This section provides general guidelines for installing the COUGAR POSEIDON ELITE 240mm ARGB Liquid Cooler. Specific steps may vary slightly depending on your motherboard and PC case.

4.1. Preparation

1. Power off your computer and unplug it from the power outlet.
2. Open your PC case to access the motherboard and CPU area.
3. If replacing an existing cooler, carefully remove it and clean any old thermal paste from the CPU IHS (Integrated Heat Spreader) using isopropyl alcohol.
4. Identify the correct mounting brackets for your CPU socket (AM5 or LGA1700).

4.2. Radiator and Fan Installation

Attach the two 120mm ARGB fans to the radiator using the provided fan screws. Ensure the fan airflow direction is appropriate for your case's cooling setup (intake or exhaust).



Figure 4.2.1: Overview of the COUGAR POSEIDON ELITE 240mm ARGB Liquid Cooler assembly, showing the radiator, two 120mm ARGB fans, and the pump/cold plate unit.

Mount the radiator assembly to an available 240mm fan mount location in your PC case (e.g., top, front, or rear). Secure it with the appropriate screws.

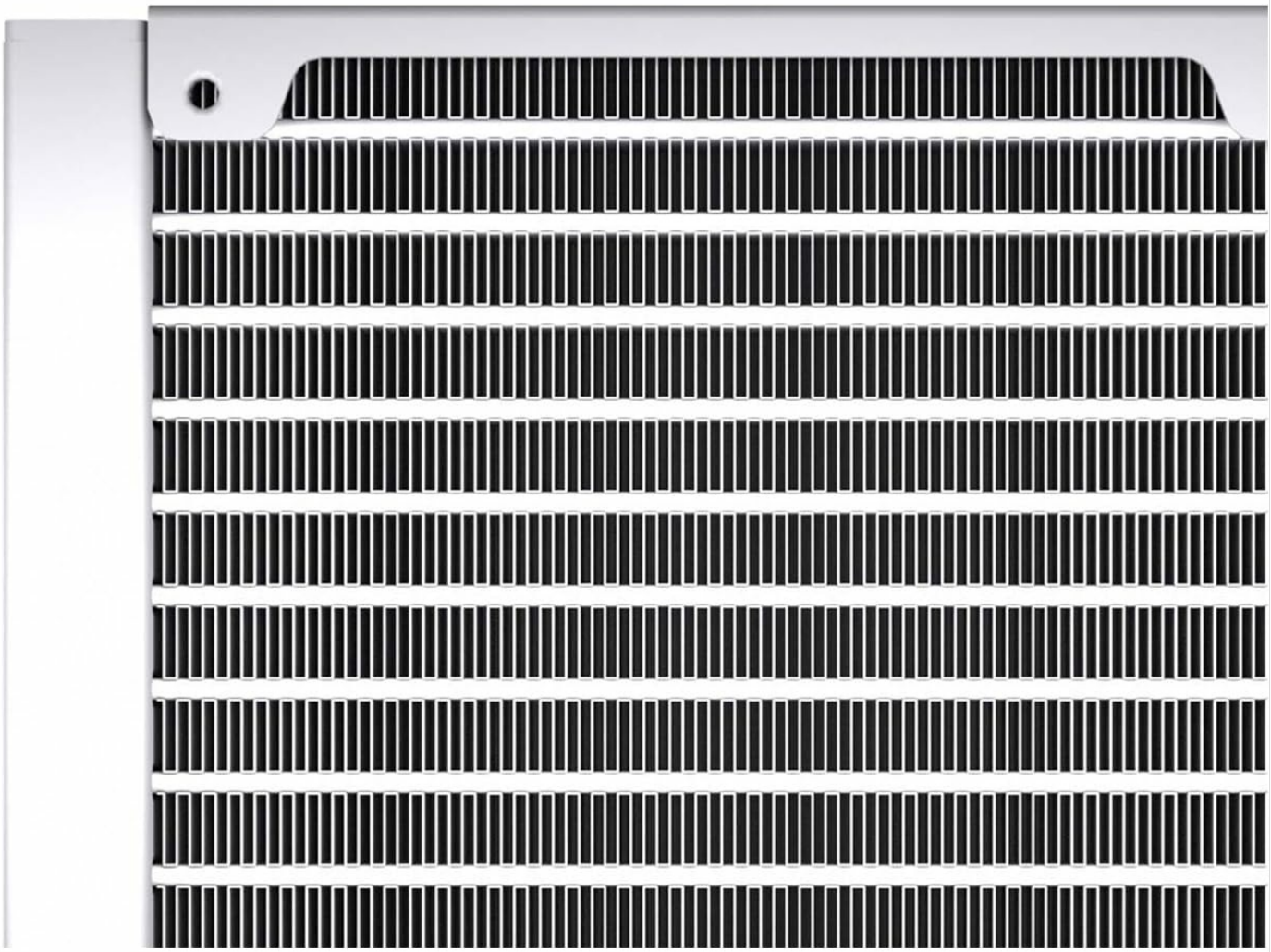


Figure 4.2.2: Detailed view of the aluminum alloy radiator fins, designed for efficient heat dissipation.

4.3. Pump/Cold Plate Installation

Install the correct backplate (if required for your socket) and standoffs onto your motherboard. Apply thermal paste to the CPU IHS if it's not pre-applied on the cold plate. Carefully place the pump/cold plate assembly onto the CPU, aligning it with the mounting holes.



Figure 4.3.1: The pump unit features an infinity mirror design with vibrant ARGB lighting, housing the copper cold plate for efficient heat transfer from the CPU.

Secure the pump/cold plate with the provided thumb screws or nuts, tightening them in a diagonal pattern until snug. Do not overtighten.

4.4. Cable Connections

- Connect the pump's 3-pin power connector to your motherboard's CPU_FAN or AIO_PUMP header.
- Connect the fans' 4-pin PWM connectors to available fan headers on your motherboard or a fan controller.
- Connect the 5V-ARGB 3-pin ARGB connectors from both the pump and fans to a compatible 5V ARGB header on your motherboard or an ARGB controller. Ensure correct polarity to avoid damage.



Figure 4.4.1: One of the 120mm ARGB fans, showcasing its vibrant illumination and design.

5. Operating Instructions

Once installed and connected, the COUGAR POSEIDON ELITE 240mm ARGB Liquid Cooler operates automatically to maintain optimal CPU temperatures.

- **Cooling Operation:** The pump circulates coolant through the cold plate, absorbing heat from the CPU. The heated coolant then flows to the radiator, where the fans dissipate the heat into the surrounding air. The pump speed is approximately 2700 RPM.
- **ARGB Lighting Control:** The ARGB lighting on the pump and fans can be controlled via your motherboard's ARGB software (if connected to a compatible header) or a dedicated ARGB controller. Refer to your motherboard's manual for software instructions.

- **Noise Level:** The cooler operates with a noise level of approximately 33.5 dB, providing efficient cooling with reasonable acoustics.

6. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your liquid cooler.

- **Dust Removal:** Periodically (e.g., every 3-6 months), use compressed air to clean dust from the radiator fins and fan blades. Ensure fans are not spinning rapidly during cleaning.
- **Visual Inspection:** Occasionally inspect the tubing and connections for any signs of leaks or damage. While the system is sealed, a quick visual check can provide peace of mind.
- **Cold Plate:** The cold plate does not require user maintenance. Avoid touching its surface.

7. Troubleshooting

If you encounter issues with your COUGAR POSEIDON ELITE 240mm ARGB Liquid Cooler, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
High CPU Temperatures	Improper cold plate contact; insufficient thermal paste; fans not spinning; radiator clogged with dust.	Re-seat the pump/cold plate; re-apply thermal paste; check fan connections and rotation; clean radiator fins.
Fans Not Spinning / No ARGB Lighting	Loose or incorrect cable connections; faulty fan/pump; motherboard header issue.	Verify all power and ARGB cables are securely connected to the correct headers. Check motherboard BIOS settings for fan control. Test fans/pump on another header if possible.
Unusual Noise from Pump/Fans	Air bubbles in loop (pump); fan bearing noise; fan hitting cables.	Orient the radiator higher than the pump to allow air bubbles to collect in the radiator. Check for cable interference with fans. If noise persists, contact support.

8. Specifications

Feature	Detail
Model Number	3MPSD240.0002

Feature	Detail
Radiator Material	Aluminum Alloy
Radiator Dimensions	Approx. 10.71" L x 4.76" W x 1.06" H (272mm x 121mm x 27mm)
Cold Plate Material	Copper
Pump Speed	2700±10% RPM
Pump Connector	2510-3Pin
ARGB Lighting Connector	5V-ARGB 3Pin
Number of Fans	2
Fan Dimensions	120 x 120 x 25 mm
Noise Level	33.5 dB
Cooling Method	Water
Compatible Sockets	AM5, LGA1700 (and others supported by mounting kit)
UPC	192554006741

9. Warranty and Support

COUGAR products are designed for reliability and performance. For warranty information and technical support, please refer to the official COUGAR website or contact your local distributor. Keep your proof of purchase for warranty claims. For the most up-to-date support resources, visit: cougargaming.com

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