msi 306-7ZW4R24-813

MSI MAG CORELIQUID M360 AIO CPU Liquid Cooler User Manual

Model: M360 (306-7ZW4R24-813)

Brand: MSI

1. Introduction

The MSI MAG CORELIQUID M360 AIO CPU Liquid Cooler is engineered to deliver superior thermal performance and silent operation for your high-performance computing needs. Featuring a 360mm radiator, triple ARGB fans, and an innovative split-flow design, this cooler ensures efficient heat dissipation and stable system performance. This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of your MAG CORELIQUID M360.

2. Product Overview

The MAG CORELIQUID M360 combines robust cooling capabilities with aesthetic appeal. Its key components include a high-efficiency radiator, a durable pump with a 3-phase motor design for extended lifespan, and three 120mm ARGB PWM fans. The evaporation-proof tubing ensures the integrity of the closed-loop system, preventing coolant loss over time.



Figure 2.1: Front view of the MSI MAG CORELIQUID M360 AIO CPU Liquid Cooler, showcasing the radiator, three ARGB fans, and the pump block.



Figure 2.2: Angled perspective of the cooler, highlighting the fan and pump block design.



Figure 2.3: Vertical orientation of the cooler, showing the radiator and fans from a top-down view.



Figure 2.4: Close-up view of the pump block with ARGB lighting, fan blade design, pump internals, and the copper cold plate.



Figure 2.5: Illustration of the cooler's compatibility with various Intel and AMD CPU sockets, including LGA 1700 and AM5.

3. What's in the Box

Verify that all components are present and in good condition before beginning installation. The package should contain the following items:

- MAG CoreLiquid M360 Liquid CPU Cooler (Pre-assembled radiator, pump, and tubing)
- 3x 120mm ARGB PWM Fans
- Mounting Brackets for Intel and AMD Sockets
- Thermal Paste
- Fan Screws and Radiator Screws
- Noise Reducer Cable
- 1-to-3 Fan PWM Cable
- Other necessary installation accessories



Figure 3.1: All components included in the MAG CORELIQUID M360 retail package, laid out for inspection.

4. Setup and Installation

Proper installation is crucial for optimal cooling performance. Please follow these general steps. Refer to the detailed installation guide provided with your product for specific instructions for your CPU socket type.

4.1 Safety Precautions

- Ensure your computer is powered off and unplugged from the wall outlet before installation.
- Discharge any static electricity by touching a grounded metal object.
- Handle components carefully to avoid damage.

4.2 Compatibility

The MAG CORELIQUID M360 is compatible with a wide range of CPU sockets:

- **Intel Sockets:** LGA 1700, 1150, 1151, 1155, 1156, 1200, 2011, 2011-3, 2066
- **AMD Sockets:** AM5, AM4, TR4

4.3 Installation Steps (General)

1. **Prepare Motherboard:** Install the appropriate backplate and standoffs for your CPU socket type.
2. **Apply Thermal Paste:** Apply a small amount of the included thermal paste to the center of your CPU's integrated heat spreader (IHS).
3. **Mount Pump Block:** Carefully place the pump block onto the CPU, aligning it with the standoffs. Secure it with the provided thumb screws.
4. **Install Radiator:** Mount the radiator to an available fan mount location in your PC case (typically top or front). Ensure adequate airflow.
5. **Attach Fans:** Secure the three 120mm ARGB fans to the radiator using the long screws. Ensure fan orientation is correct for desired airflow (intake or exhaust).
6. **Connect Cables:**
    - Connect the pump's 3-pin power connector to a dedicated AIO_PUMP or CPU_FAN header on your motherboard.
    - Connect the fan PWM cables to the 1-to-3 fan PWM cable, then connect this to a CPU_FAN or SYS_FAN header.
    - Connect the ARGB cables from the fans and pump block to an ARGB header on your motherboard (5V, 3-pin).
7. **Cable Management:** Route cables neatly to ensure proper airflow and a clean build.

5. Operating Instructions

Once properly installed, the MSI MAG CORELIQUID M360 operates automatically, regulating fan and pump speeds based on CPU temperature to maintain optimal cooling performance.

5.1 ARGB Lighting Control

The ARGB lighting on the fans and pump block can be customized using MSI Mystic Light software or compatible motherboard RGB software. Refer to your motherboard's manual or MSI's website for software download and usage instructions.

5.2 Noise Level

The cooler is designed for quiet operation, with a typical noise level of 20 dB, ensuring a peaceful computing environment.

6. Maintenance

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

- **Dust Removal:** Periodically clean dust from the radiator fins and fan blades using compressed air or a soft brush. Dust buildup can impede airflow and reduce cooling efficiency.
- **Tubing Inspection:** While the tubing is evaporation-proof, it is good practice to visually inspect the tubes and connections for any signs of kinks, damage, or leaks.
- **Fan Cleaning:** If fans become excessively dusty, they can be carefully removed from the radiator for a more thorough

cleaning.

7. Troubleshooting

If you encounter issues with your MAG CORELIQUID M360, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
High CPU Temperatures	Improper thermal paste application; Loose pump block; Insufficient airflow; Dust buildup on radiator.	Reapply thermal paste; Ensure pump block is securely mounted; Check fan orientation and case airflow; Clean radiator and fans.
Pump Noise / Malfunction	Air bubbles in loop; Pump not receiving power; Pump failure.	Gently tilt case to dislodge air bubbles; Check pump power connection to motherboard; Contact MSI support if pump is faulty.
Fans Not Spinning / No ARGB	Loose fan power/ARGB connections; Incorrect motherboard header connection; Software issue.	Verify all fan and ARGB cables are securely connected to correct headers; Check motherboard manual for header locations; Reinstall or update ARGB control software.
Liquid Leakage	Damaged tubing or fittings.	Immediately power off system and disconnect power. Do not attempt to repair. Contact MSI support for assistance.

8. Specifications

Detailed technical specifications for the MSI MAG CORELIQUID M360 AIO CPU Liquid Cooler:

Feature	Specification
Model Number	306-7ZW4R24-813
Product Dimensions	17.2"L x 9.84"W x 7.87"H (43.69 x 24.99 x 19.99 cm)
Weight	4.01 Pounds (1.82 kg)
Cooling Method	Water
Noise Level	20 dB
Material	Copper plastic
Maximum Rotational Speed	2000 RPM (Fans)
Compatible Devices	Desktop PCs
Power Connector Type	3-Pin (Pump)

Feature	Specification
Voltage	12 Volts
Wattage	4.56 watts
Tubing Length	400mm

9. Warranty Information

MSI products are covered by a limited warranty. The specific terms and duration of the warranty may vary by region and product type. Please retain your proof of purchase for warranty claims.
For detailed warranty information, including coverage, duration, and the claims process, please visit the official MSI website or contact MSI customer support in your region.

10. Support

For further assistance, technical support, or to download the latest drivers and software for your MSI MAG CORELIQUID M360, please visit the official MSI support website:
MSI Official Website: www.msi.com
You can also visit the MSI store on Amazon for product information and related accessories: MSI Store on Amazon

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