

## Cooler Master MLX-D36M-A25SZ-LW

# Cooler Master Atmos II 360 LCD Liquid Cooler User Manual

Model: MLX-D36M-A25SZ-LW | Brand: Cooler Master

## 1. INTRODUCTION

The Cooler Master Atmos II 360 LCD Liquid Cooler is an all-in-one (AIO) liquid CPU cooler designed for high-performance computing systems. It features a 360mm radiator, three high-efficiency fans, and a customizable LCD panel for displaying system statistics, images, or animations. The cooler incorporates a patented dual-chamber pump design for efficient heat dissipation and quiet operation. It supports a wide range of modern CPU sockets, including AMD Ryzen 9 AM5/AM4 and Intel Ultra i9 LGA 1851/1700.

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your Cooler Master Atmos II 360 LCD Liquid Cooler.

## 2. WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- Atmos II 360 LCD Panel (Pump and Radiator Assembly)
- SickleFlow 360 Fans (3 units)
- Dual Pump Cover (2 decorative top covers)
- Installation Kit (Mounting hardware for various CPU sockets)
- User Manual

# LCD Panel for Enhanced Personalization

The built-in LCD panel displays system stats, images, animations, scrolling text, or video and music sources using our MasterCTRL software.

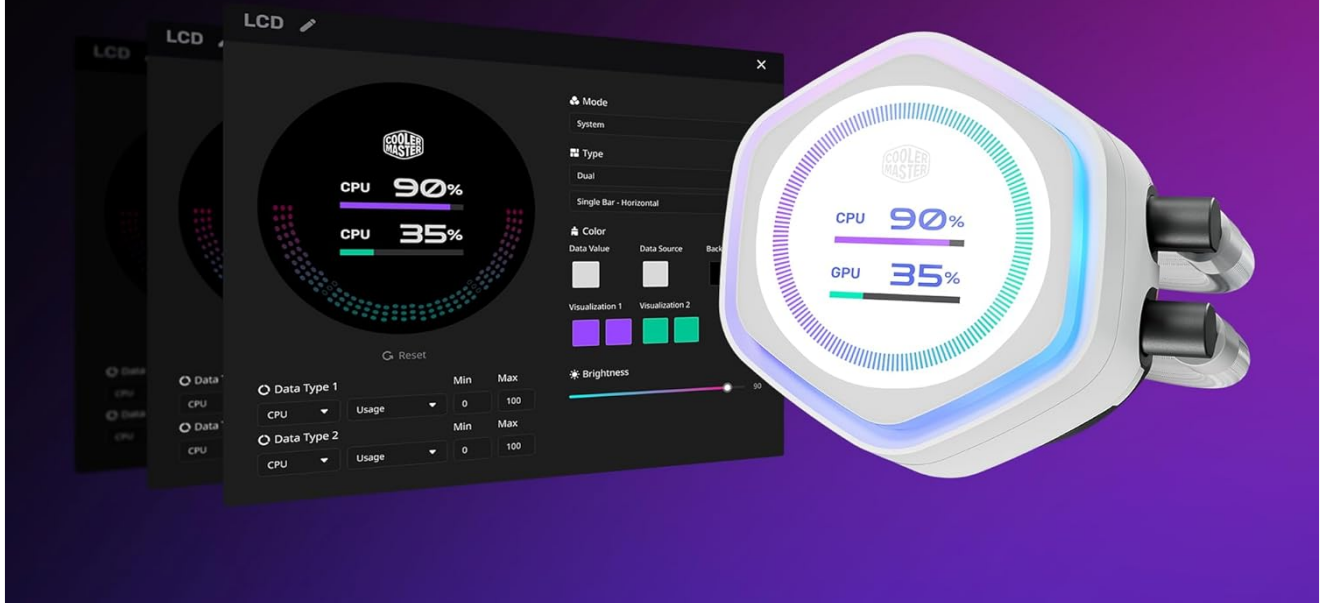


Image: All components of the Cooler Master Atmos II 360 LCD Liquid Cooler, including the radiator, fans, pump, and accessories.

## 3. SETUP AND INSTALLATION

The Cooler Master Atmos II 360 LCD Liquid Cooler is designed for straightforward installation across various CPU platforms. Follow these general steps for installation:

1. **Prepare the Motherboard:** Install the appropriate backplate and standoffs for your CPU socket (AMD AM5/AM4 or Intel LGA 1851/1700). Refer to the included installation guide for specific socket instructions.
2. **Mount the Radiator:** Secure the 360mm radiator to an available mounting location in your PC case (typically top or front). Ensure adequate airflow.
3. **Install the Fans:** Attach the three SickleFlow 360 fans to the radiator. The fans are pre-installed for convenience.
4. **Apply Thermal Paste:** Apply a thin, even layer of thermal paste to the CPU's integrated heat spreader (IHS).
5. **Mount the Pump/Cold Plate:** Carefully place the pump/cold plate assembly onto the CPU, aligning it with the standoffs. Secure it using the provided screws.
6. **Connect Cables:** Connect the pump power cable, fan cables, and ARGB cables to the appropriate headers on your motherboard or a dedicated controller. The wiring is routed internally through the tubes for a cleaner build.

7. **Offset Brackets for LGA 1851:** For LGA 1851 CPUs, use the included offset brackets to optimize contact with CPU hotspots, potentially lowering core temperatures by up to 4°C. Ensure your motherboard is compatible with these offset brackets.

# Built to Endure

Engineered with **PPS** and **fiberglass** for superior strength and heat resistance, the Atmos II pump endures **70°C for 3,000 hours** and **120°C for 12 hours** for lasting performance.\*\*



\*\*Cooling results may vary depending on system configuration.  
Testing completed at Cooler Master Labs.

Image: Quick and easy installation showing Intel and AMD mounting brackets.

# Offset Mounting Brackets for LGA 1851

Different CPUs have different hotspots. For LGA 1851\*\*\*, use the included offset brackets to **reduce temps** by up to 4°C at the core.\*\*



\*\*\*Please check whether your motherboard is compatible with this offset bracket.

Image: Offset mounting brackets for LGA 1851, illustrating improved thermal contact compared to standard mounting.



intel®



AMD

# Quick and Easy Installation

Pre-installed fans and a streamlined mounting kit make setup fast and compatible with most modern processors.

Image: Engineered for simplicity, showing how cables are routed internally through the tubes for a clean build.

## 4. OPERATING THE COOLER

Once installed, the Cooler Master Atmos II 360 LCD Liquid Cooler operates automatically to maintain optimal CPU temperatures. The integrated LCD panel and ARGB lighting offer extensive customization options.

### 4.1 LCD Panel Personalization

The programmable LCD panel on the pump head can display various information and visual effects:

- **System Statistics:** Monitor CPU temperature, usage, and other vital system metrics in real-time.
- **Custom Images/Animations:** Upload and display personalized images or animated GIFs.
- **Patterns and Effects:** Choose from a variety of pre-set visual patterns and lighting effects.

Customization is managed through the Cooler Master MasterCTRL software. Download the latest version from the official Cooler Master website to access all features.



# LCD Panel for Enhanced Personalization

The built-in LCD panel displays system stats, images, animations, scrolling text, or video and music sources using our MasterCTRL software.



Image: The LCD panel on the pump head displaying system statistics, customizable via MasterCTRL software.

## 4.2 Customizable ARGB Lighting

The pump head and fans feature customizable Addressable RGB (ARGB) lighting. This lighting can be controlled via the MasterCTRL software or synchronized with your motherboard's ARGB ecosystem, allowing for cohesive lighting themes across your entire PC build.



# Dual Cover Styles

Two decorative top covers are included and attach magnetically, so you can switch styles in seconds. Availability may vary by model.

Image: Dual cover styles for the pump head, which attach magnetically for easy swapping.

## 4.3 Community Customization

The Atmos II LCD supports community customization through open-source design files. Users can download and print their own pump covers, faceplates, or custom labels to further personalize their cooler. Visit the Cooler Master website for more details and access to design files.

# Community Customization

Download and print your own pump covers, faceplates, or custom labels. Make it functional, make it fun—make it yours.



Image: Community customization options, including 3D printable pump covers and faceplates.

## 5. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your liquid cooler.

- **Dust Cleaning:** Periodically clean dust from the radiator fins and fan blades using compressed air. Ensure the fans are not spinning during cleaning to prevent damage.
- **Check Tubing and Connections:** Inspect the tubing and connections for any signs of leaks or damage. Ensure all connections are secure.
- **Software Updates:** Keep the MasterCTRL software updated to the latest version for improved features and stability.

## 6. TROUBLESHOOTING

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If you encounter issues with your Cooler Master Atmos II 360 LCD Liquid Cooler, refer to the following common troubleshooting steps:



- **High CPU Temperatures:**

- Ensure the pump is properly seated and making good contact with the CPU.
- Verify that thermal paste was applied correctly.
- Check fan connections and ensure they are spinning.
- Clean any dust buildup on the radiator fins.

- **Pump Noise/Vibration:**

- Ensure the pump is securely mounted and not vibrating against other components.
- Check for air bubbles in the loop (these usually dissipate over time).

- **ARGB Lighting Not Working:**

- Verify all ARGB cables are correctly connected to the motherboard or controller.
- Check settings in MasterCTRL software or your motherboard's ARGB software.

- **LCD Panel Not Displaying:**

- Ensure the USB connection for the LCD panel is secure.
- Verify MasterCTRL software is running and updated.
- Restart the MasterCTRL software or your system.

For further assistance, contact Cooler Master support.

## 7. SPECIFICATIONS

Feature	Specification
Product Dimensions	14.2"L x 4.8"W x 1"H
Brand	Cooler Master
Power Connector Type	4-Pin
Cooling Method	Fan, Water
Compatible Devices	CPU, Desktop
Noise Level	38.5 Decibels
Material	Aluminum, Copper, Plastic
Maximum Rotational Speed	2500 RPM
Air Flow Capacity	190 Cubic Feet Per Minute
UPC	884102131974
Item Weight	3.1 pounds
Item Model Number	MLX-D36M-A25SZ-LW

## 8. WARRANTY AND SUPPORT

## 8.1 Warranty Information

Cooler Master products are backed by a manufacturer's warranty. For specific warranty terms and conditions, including duration and coverage, please refer to the warranty card included with your product or visit the official Cooler Master website. Keep your proof of purchase for warranty claims.

## 8.2 Technical Support

For technical assistance, product inquiries, or troubleshooting beyond the scope of this manual, please contact Cooler Master customer support. You can find contact information, FAQs, and additional resources on the official Cooler Master website: [www.coolermaster.com](http://www.coolermaster.com).