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› Cooler Master MasterLiquid Atmos II 360 LCD CPU Liquid Cooler Manual

Cooler Master MLX-D36M-A25SZ-L1

Cooler Master MasterLiquid Atmos II 360 LCD CPU Liquid Cooler

Model: MLX-D36M-A25SZ-L1

Brand: Cooler Master

INTRODUCTION

The Cooler Master MasterLiquid Atmos II 360 LCD is an all-in-one (AIO) liquid CPU cooler designed for high-performance computing systems. It features a 360mm radiator, three ARGB PWM fans, and a customizable LCD display on the pump. This cooler is engineered to provide efficient thermal management and aesthetic customization for a wide range of CPU platforms, including AMD AM5/AM4 and Intel LGA 1851/1700.

Key features include a patented dual-chamber pump design for enhanced water pressure and flow, and robust construction using PPS and fiberglass for durability under extreme temperatures. The customizable LCD panel allows users to display system statistics, images, or animations, while the open-source design files enable printable modifications for personalized aesthetics.

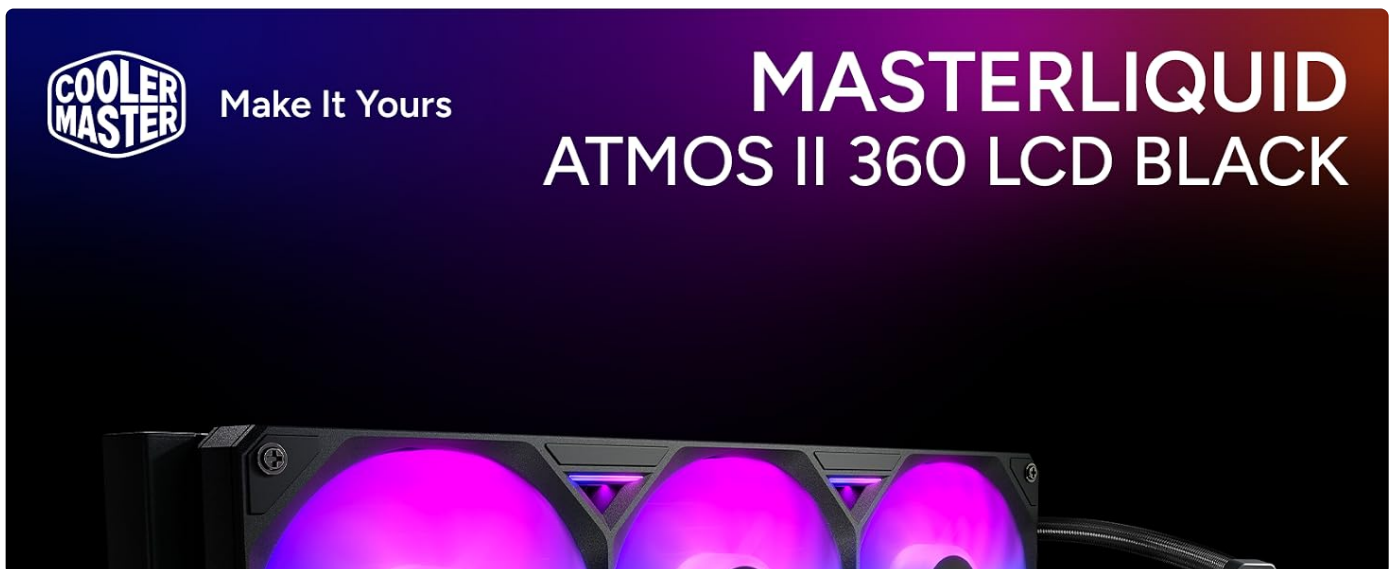


Image: The MasterLiquid Atmos II 360 LCD AIO CPU Liquid Cooler in black, showcasing its radiator, fans, and pump unit.

PACKAGE CONTENTS

Verify that all components are present in the package before proceeding with installation:

- Atmos II 360 LCD Panel
- SickleFlow 360 Fan (3 units)
- Dual Pump Cover
- Installation Manual
- Mounting Kit (for AMD AM5/AM4 & Intel LGA 1851/1700)
- Thermal Paste
- Cables for connectivity and ARGB control

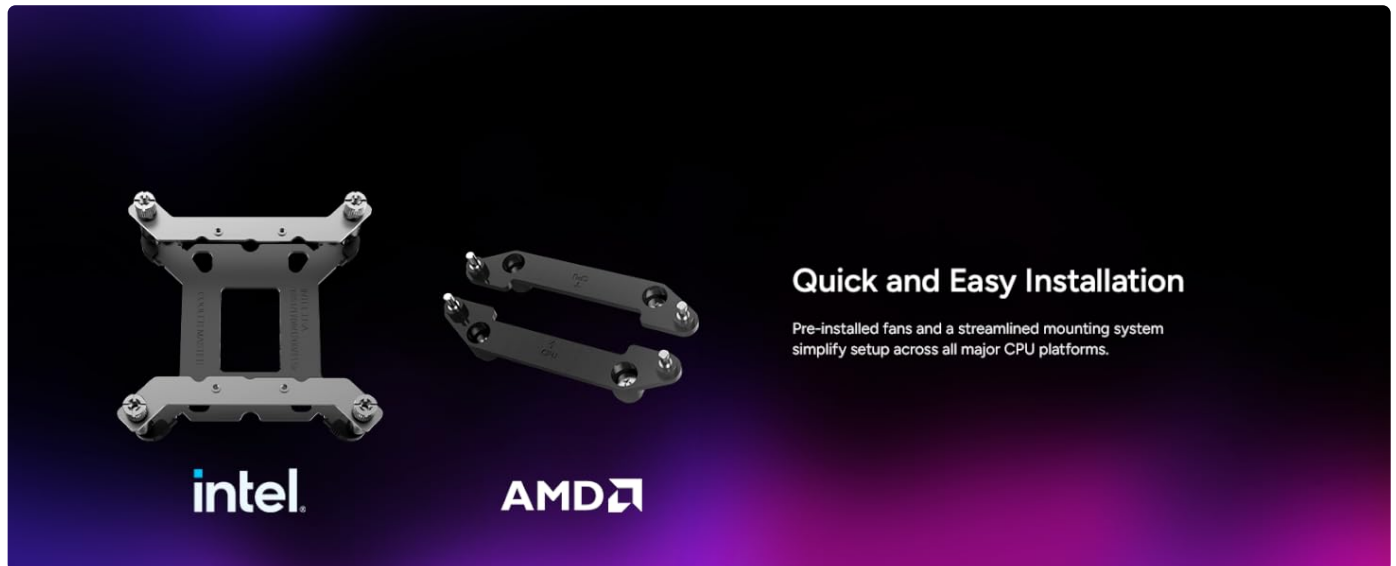


Image: Components for quick and easy installation, including mounting brackets for Intel and AMD platforms.

SETUP AND INSTALLATION

The MasterLiquid Atmos II 360 LCD is designed for straightforward installation across various CPU platforms. Follow these general steps for proper setup:

1. **Prepare Motherboard:** Install the appropriate backplate and standoffs for your CPU socket (AMD AM5/AM4 or Intel LGA 1851/1700). Refer to your motherboard manual for specific instructions.
2. **Mount Radiator:** Secure the 360mm radiator with the pre-installed fans to an available mounting location in your PC case (e.g., top, front). Ensure proper airflow direction.
3. **Apply Thermal Paste:** Apply a thin, even layer of thermal paste to the CPU's integrated heat spreader (IHS). The cooler comes with pre-applied thermal paste, but you may use your own if preferred.
4. **Install Pump/Cold Plate:** Carefully place the pump/cold plate assembly onto the CPU, aligning it with the standoffs. Secure it with the provided thumb screws or mounting hardware. For LGA 1851, use the included offset brackets to optimize contact and lower core temperatures.
5. **Connect Cables:**
 - Connect the pump's power cable to an available CPU_FAN or AIO_PUMP header on your motherboard.
 - Connect the fan cables to available fan headers on your motherboard or a fan controller. The system is engineered for simplicity with internal cable routing through the tubes, allowing all fans to connect with a single cable for a cleaner build.
 - Connect the ARGB lighting cables to a compatible 3-pin 5V ARGB header on your motherboard or an ARGB controller.
 - Connect the LCD panel's USB cable to an internal USB 2.0 header on your motherboard.

6. **Cable Management:** Route all cables neatly to ensure optimal airflow and a clean build appearance.

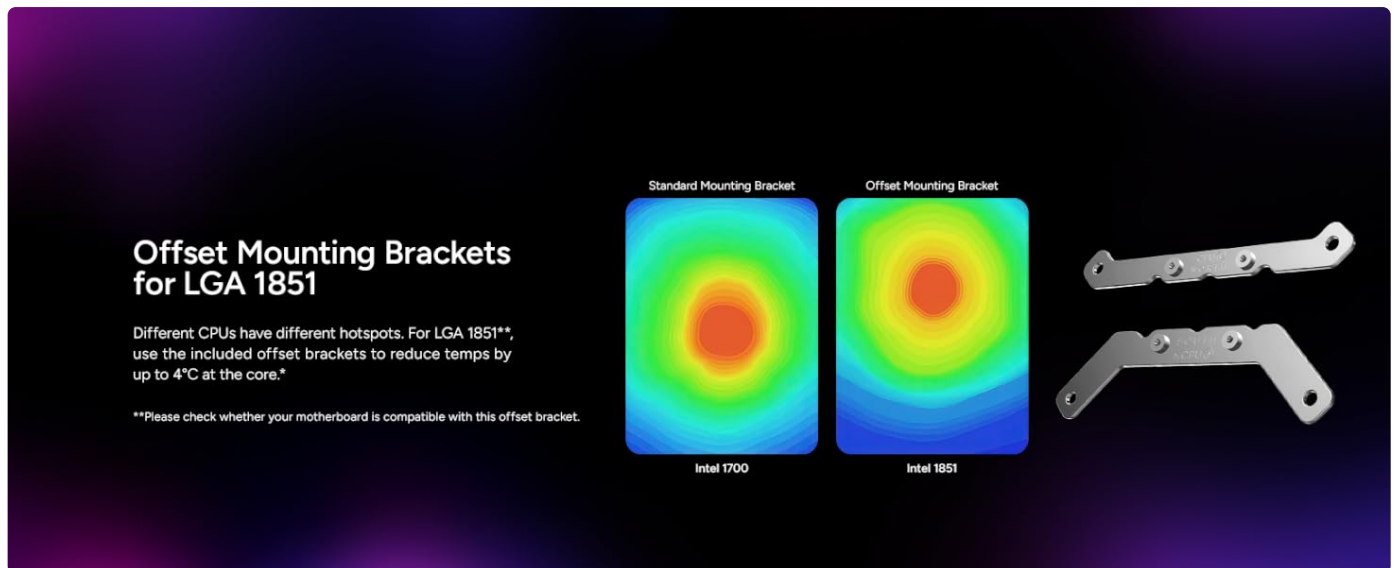


Image: Illustration of offset mounting brackets specifically designed for Intel LGA 1851 sockets to improve thermal contact.

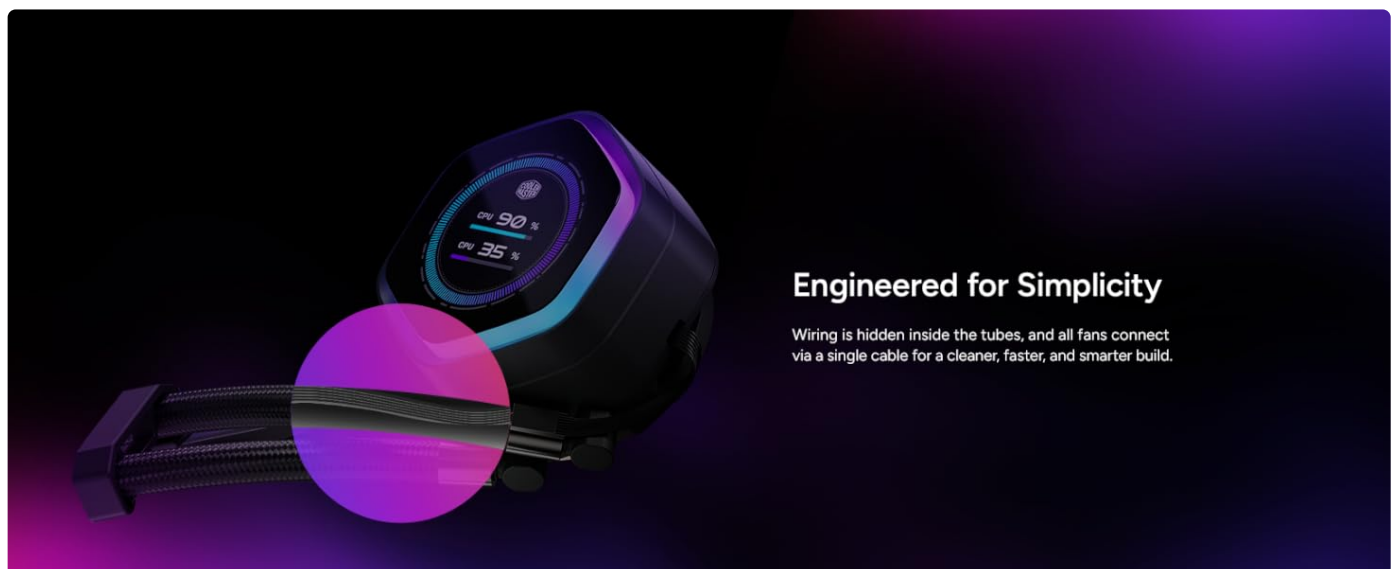


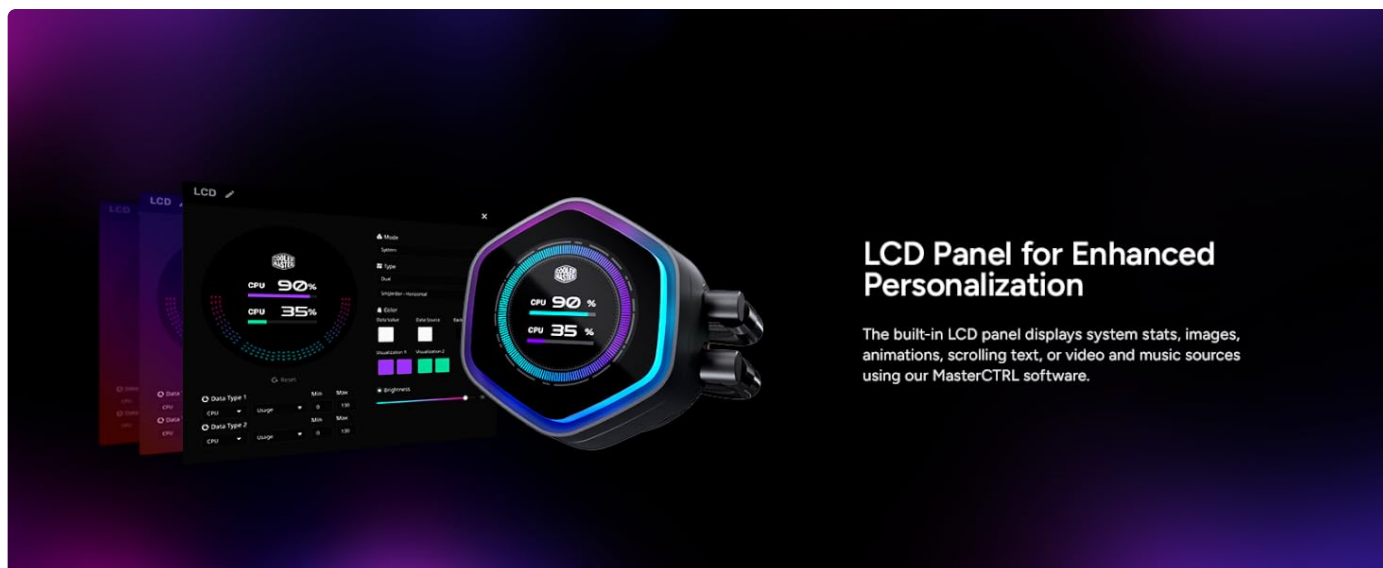
Image: Diagram showing internal cable routing within the cooler's tubes for a streamlined and clean installation.

OPERATING INSTRUCTIONS

LCD Panel Customization

The integrated LCD panel on the pump head allows for extensive personalization. To customize the display, download and install the Cooler Master MasterCTRL software from the official Cooler Master website. Through this software, you can:

- Display real-time system statistics (e.g., CPU/GPU temperature, usage).
- Upload custom images or animated GIFs.
- Show scrolling text messages.
- Integrate with video or music sources for dynamic effects.



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.

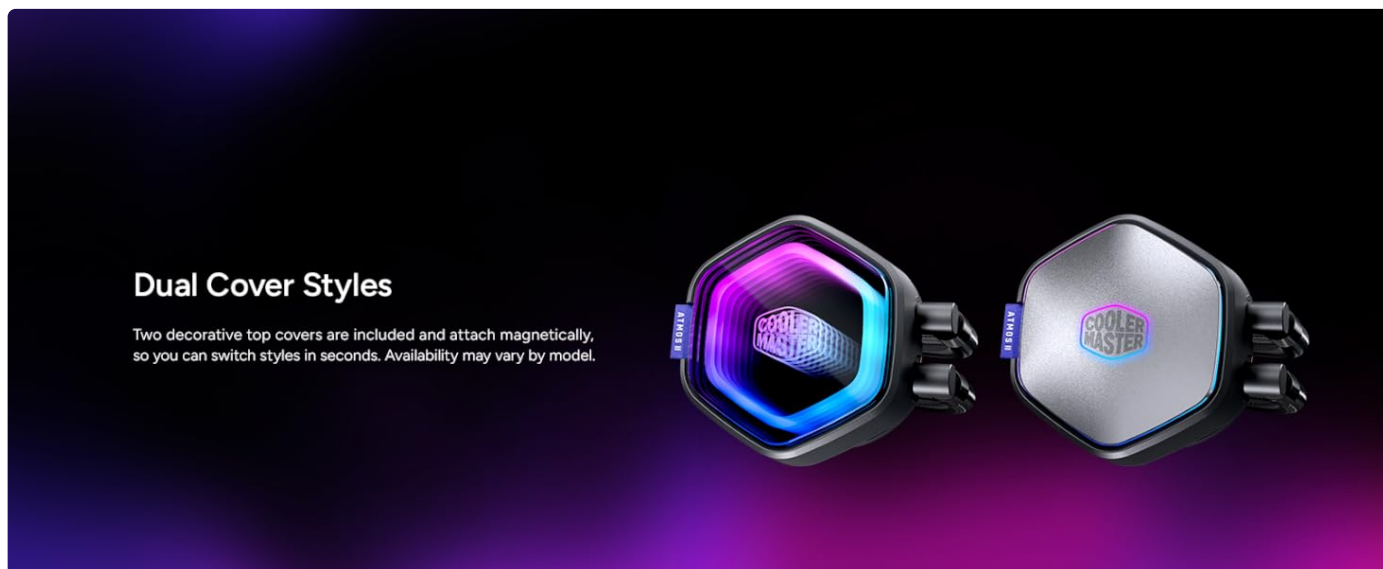
Image: The LCD panel displaying system statistics and customization options within the MasterCTRL software interface.

ARGB Lighting Control

The ARGB lighting on the fans and pump can be controlled via your motherboard's RGB software (if compatible) or through the MasterCTRL software. This allows for synchronization with other ARGB components in your system, creating a unified lighting theme.

Swappable Pump Covers

The MasterLiquid Atmos II 360 LCD includes dual decorative top covers that attach magnetically, allowing you to quickly change the aesthetic of your pump head. Additionally, Cooler Master provides open-source design files for community customization, enabling users to 3D print their own pump covers, faceplates, or custom labels.



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: Two different magnetic pump cover styles for the Cooler Master Atmos II 360 LCD, demonstrating quick customization.

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Video: Official Cooler Master video demonstrating the Flex-Kit Modularity of the Atmos II, showcasing how to swap pump covers and customize the cooler's appearance.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your liquid cooler. The MasterLiquid Atmos II is built

with PPS and fiberglass, engineered to withstand extreme heat, ensuring long-lasting performance.

- **Dust Cleaning:** Periodically clean the radiator fins and fan blades using compressed air to remove dust buildup. Dust can impede airflow and reduce cooling efficiency.
- **Check Tubing and Connections:** Inspect the tubing and connections for any signs of leaks or damage. Ensure all connections are secure.
- **Monitor Coolant Levels:** While AIO coolers are sealed systems, it's good practice to monitor CPU temperatures. Significant increases in temperature might indicate an issue with coolant flow or level.
- **Software Updates:** Keep the MasterCTRL software and any relevant motherboard drivers updated to ensure compatibility and access to the latest features and performance optimizations.

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: Internal view of the pump unit, highlighting its robust construction materials designed for durability.

TROUBLESHOOTING

If you encounter issues with your MasterLiquid Atmos II 360 LCD, consider the following troubleshooting steps:

- **High CPU Temperatures:**
 - Ensure the pump is securely mounted and making full contact with the CPU.
 - Verify that thermal paste is correctly applied.
 - Check if fans are spinning and properly connected to their headers.
 - Confirm radiator is free of dust and has adequate airflow.
 - Ensure pump speed is set correctly in BIOS/UEFI or MasterCTRL software.
- **Fans Not Spinning or ARGB Not Working:**
 - Check all power and ARGB connections to the motherboard or controller.
 - Verify that the ARGB header is 3-pin 5V, not 4-pin 12V, to prevent damage.
 - Ensure MasterCTRL software or motherboard RGB software is installed and configured correctly.
- **LCD Panel Not Displaying:**
 - Confirm the USB 2.0 internal header connection is secure.
 - Ensure MasterCTRL software is running and updated.
 - Restart the MasterCTRL software or your system.

- **Unusual Noises:**
 - If you hear gurgling noises, gently tilt your PC case to help dislodge any air bubbles trapped in the pump or radiator.
 - Check for any cables interfering with fan blades.

SPECIFICATIONS

Feature	Detail
Model Number	MLX-D36M-A25SZ-L1
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	884102131981
Item Weight	3.1 Pounds

WARRANTY AND SUPPORT

The Cooler Master MasterLiquid Atmos II 360 LCD comes with a**6-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or further assistance, please visit the official Cooler Master support website or contact their customer service. Ensure you have your product model number (MLX-D36M-A25SZ-L1) and proof of purchase available when seeking support.

Online Resources:

- Official Cooler Master Website: www.coolermaster.com
- Product Support Page: Refer to the QR code in the physical manual or search for your model on the Cooler Master website.

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