

Montech LightFlow ARGB 360

MONTECH LightFlow ARGB 360mm AIO CPU Liquid Cooler Instruction Manual

Model: LightFlow ARGB 360

1. INTRODUCTION

Thank you for choosing the MONTECH LightFlow ARGB 360mm AIO CPU Liquid Cooler. This all-in-one liquid cooling solution is designed to provide superior thermal performance for your high-end CPU, featuring an infinity mirror ARGB pump head and efficient radiator design. Please read this manual carefully before installation to ensure proper setup and optimal performance.

Safety Precautions

- Always disconnect power from your PC before installation or maintenance.
- Handle components with care to avoid damage.
- Refer to your motherboard and PC case manuals for specific installation guidelines.
- Keep out of reach of children.

2. PACKAGE CONTENTS

Verify that all components are present in your package:

- MONTECH LightFlow ARGB 360mm Radiator with Integrated Pump
- 3 x 120mm ARGB Fans (pre-installed on radiator)
- Intel Mounting Bracket Kit (LGA 1700/1851, 1200, 115X, 2011/2066)
- AMD Mounting Bracket Kit (AM5, AM4)
- Backplates for Intel/AMD Sockets
- Mounting Screws and Standoffs
- Thermal Paste
- ARGB Controller (if included with your model)

Infinity Mirror Design

A minimalist show of depth and light—quietly powerful,
unmistakably premium.



Image: Overview of the MONTECH LightFlow ARGB 360mm AIO CPU Liquid Cooler and its main components.

3. SPECIFICATIONS

Feature	Value
Product Dimensions	15.63"L x 4.72"W x 1.06"H
Cooling Method	Water
Compatible Devices	Desktop
Noise Level	28 db
Material	Acrylonitrile Butadiene Styrene, Aluminum, Copper, Plastic
Maximum Rotational Speed (Pump)	3100 rpm

Feature	Value
Air Flow Capacity (Fans)	78.73 CFM
Radiator Fin Stack	27mm with 20 FPI
Power Connector Type	4-Pin
Item Weight	4.1 pounds

4. COMPATIBILITY

The MONTECH LightFlow ARGB 360mm AIO CPU Liquid Cooler supports a wide range of modern CPU sockets:

- **Intel Sockets:** LGA 1700, LGA 1851, LGA 1200, LGA 115X, LGA 2011, LGA 2066
- **AMD Sockets:** AM5, AM4



Image: Included mounting hardware for Intel and AMD CPU sockets.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of your AIO liquid cooler. Ensure your PC is powered off and unplugged before beginning.

Step 5.1: Prepare the Radiator and Fans

The 120mm ARGB fans are typically pre-installed on the radiator. If not, attach them using the provided screws, ensuring airflow direction is appropriate for your case (usually exhausting air out of the case).

Optimized for High Thermal Performance

Precision-crafted with a dense 20 FPI fin structure, the radiator is engineered to maximize heat dissipation and sustain consistent cooling under heavy loads.



Fin Stack
with 20FPI

27mm

Image: The 360mm radiator with pre-installed fans, ready for mounting.

Step 5.2: Install the Radiator

Mount the radiator to an available 360mm fan mount in your PC case. Common locations include the top or front of the case. Secure it with the long screws provided.



Instant Setup, Instant Performance

Skip the prep and dive straight into your build.
Pre-installed essentials get you running in no time.

Image: Radiator and fan dimensions within a PC case, illustrating clearance.

Step 5.3: Prepare the CPU Socket

Install the appropriate backplate for your CPU socket (Intel or AMD) behind the motherboard. Then, attach the correct standoffs to the front of the motherboard around the CPU socket.

Step 5.4: Apply Thermal Paste

Clean the CPU surface with isopropyl alcohol. Apply a small, pea-sized amount of the included thermal paste to the center of your CPU's integrated heat spreader (IHS).

Step 5.5: Install the Pump Head

Carefully place the pump head onto the CPU, aligning the mounting holes with the standoffs. Secure the pump head with the provided thumb screws or nuts, tightening them in a diagonal pattern until snug. Do not overtighten.



Image: The infinity mirror design of the pump head, featuring ARGB lighting.

Step 5.6: Connect Cables

- **Pump Power:** Connect the pump's 3-pin or 4-pin connector to the motherboard's AIO_PUMP or CPU_FAN header.
- **Fan Power:** Connect the fan cables to the motherboard's fan headers or a fan controller.
- **ARGB Lighting:** Connect the ARGB cables from the pump and fans to your motherboard's 5V 3-pin ARGB header or the included ARGB controller. Ensure correct pin alignment to avoid damage.

6. OPERATING INSTRUCTIONS

Once installed, power on your PC. The cooler will begin operating automatically.

Fan and Pump Speed Control

The fan and pump speeds are typically controlled via your motherboard's BIOS/UEFI settings or dedicated software

provided by your motherboard manufacturer. Adjust fan curves to balance cooling performance and noise levels. The pump operates at a maximum rotational speed of 3100 RPM for optimal liquid circulation.

ARGB Lighting Control

The LightFlow ARGB cooler supports various motherboard ARGB synchronization technologies, including ASUS Aura Sync, GIGABYTE RGB Fusion, MSI Mystic Light Sync, and ASRock Polychrome Sync. Connect the ARGB cable to your motherboard's 5V 3-pin header and use the motherboard's software to customize lighting effects. If an external ARGB controller is included, use its buttons to cycle through lighting modes.

7. MAINTENANCE

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

- **Dust Cleaning:** Periodically clean dust from the radiator fins and fan blades using compressed air. Ensure fans are held stationary during cleaning to prevent damage.
- **Inspect Tubing:** Check the tubing for any signs of kinks, leaks, or damage.
- **Pump Check:** Listen for any unusual noises from the pump, which could indicate an issue.
- **Thermal Paste:** While not frequently required for AIOs, if you remove the pump head, reapply thermal paste before reinstallation.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Solution
High CPU Temperatures	• Ensure pump and fans are connected and spinning. • Verify thermal paste application and pump head contact with CPU. • Check for dust buildup on the radiator. • Adjust fan curves in BIOS for higher speeds.
Pump Noise	• Ensure the pump is running at a consistent speed. • Check for air bubbles in the loop (orient radiator higher than pump if possible). • Verify secure mounting to prevent vibration.
ARGB Lighting Not Working	• Check ARGB cable connections to motherboard or controller. • Ensure 5V 3-pin ARGB header is used (not 12V 4-pin RGB). • Verify ARGB software settings on your motherboard.
Fans Not Spinning	• Check fan power connections to motherboard or controller. • Verify fan speed settings in BIOS/software.

9. WARRANTY AND SUPPORT

The MONTECH LightFlow ARGB 360mm AIO CPU Liquid Cooler is backed by a**6-year warranty**, ensuring long-term performance and peace of mind. This warranty covers defects in materials and workmanship under normal use. For technical support, warranty claims, or further assistance, please visit the official Montech website or contact their customer service department. Keep your proof of purchase for warranty validation.

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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

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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