

[Manuals.plus](#) /

› [Cooler Master](#) /

› Cooler Master MasterLiquid ML360 RGB TR4 Edition CPU Liquid Cooler Instruction Manual

Cooler Master MLX-D36M-A18PK-T1

Cooler Master MasterLiquid ML360 RGB TR4 Edition

MODEL: MLX-D36M-A18PK-T1

Instruction Manual

1. INTRODUCTION

Thank you for choosing the Cooler Master MasterLiquid ML360 RGB TR4 Edition All-in-One (AIO) Liquid CPU Cooler. This product is designed to provide efficient and quiet cooling for your high-performance CPU, especially those utilizing the TR4 socket. This manual provides essential information for the proper installation, operation, and maintenance of your new liquid cooler to ensure optimal performance and longevity.

Please read this manual thoroughly before installation and keep it for future reference.

2. SAFETY INFORMATION

- Always disconnect power from your computer before installing or servicing any components.
- Handle components with care to avoid damage. Avoid touching the cold plate surface directly.
- Ensure proper grounding to prevent electrostatic discharge (ESD) damage.
- Do not open the liquid cooler unit. It contains non-serviceable parts and liquid coolant. Opening it will void the warranty.
- Keep out of reach of children and pets.
- If any liquid leakage is observed, immediately power off your system and contact Cooler Master support.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- MasterLiquid ML360 RGB TR4 AIO Cooler (Radiator with integrated pump and tubing)
- 3 x 120mm RGB Fans
- TR4 Mounting Hardware Kit
- RGB Controller (if included with your specific model)
- Fan and RGB Splitter Cables
- Thermal Paste (pre-applied or in a tube)
- User Manual (this document)

4. SETUP AND INSTALLATION

This section outlines the general steps for installing the MasterLiquid ML360 RGB TR4 Edition. Specific steps may vary slightly depending on your PC case and motherboard.

4.1 Prepare Your System

1. Power off your computer and disconnect all cables.
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).

4.2 Radiator and Fan Installation

Identify a suitable mounting location for the 360mm radiator in your PC case. Common locations include the top or front panel.



Figure 4.2.1: The Cooler Master MasterLiquid ML360 RGB TR4 Edition AIO Liquid Cooler, showing the 360mm radiator with three fans and the RGB pump block.

1. Attach the three 120mm RGB fans to the radiator using the provided screws. Ensure the fan airflow direction is appropriate for your case's cooling strategy (intake or exhaust).
2. Mount the radiator assembly into your chosen location in the PC case using the appropriate screws.

4.3 Pump Block Installation (TR4 Socket)

The ML360 TR4 Edition is specifically designed for AMD TR4 sockets. Ensure your CPU is properly seated in the socket.



Figure 4.3.1: The MasterLiquid ML360 RGB TR4 Edition pump block installed on a CPU within a PC case, showcasing its RGB lighting.

1. If thermal paste is not pre-applied, apply a small pea-sized amount to the center of the CPU IHS.
2. Carefully align the pump block with the TR4 mounting holes on your motherboard.
3. Secure the pump block to the motherboard using the TR4 mounting hardware. Tighten screws in a diagonal pattern until snug, but do not overtighten.

4.4 Cable Management and Connections



Figure 4.4.1: Another perspective of the Cooler Master MasterLiquid ML360 RGB TR4 Edition, highlighting the radiator, fans, and pump block connections.

1. Connect the pump's 3-pin or 4-pin power cable to the CPU_FAN or AIO_PUMP header on your motherboard. Ensure it receives full power (often set to 100% in BIOS).
2. Connect the RGB cables from the fans and pump to the included RGB controller or directly to your motherboard's RGB header, following your motherboard's manual.
3. Connect the fan power cables to the fan headers on your motherboard or to the included fan splitter cable, then to a motherboard fan header.
4. Organize cables neatly to improve airflow and aesthetics.

5. OPERATING INSTRUCTIONS

Once installed, the MasterLiquid ML360 RGB TR4 Edition operates automatically based on your system's cooling needs

and BIOS settings.

- **Initial Boot:** After installation, power on your system. Monitor CPU temperatures using monitoring software to ensure proper function.
- **BIOS/UEFI Settings:** Access your motherboard's BIOS/UEFI to ensure the CPU_FAN or AIO_PUMP header is set to deliver full power to the pump. Fan curves for the radiator fans can be adjusted here for optimal balance between cooling performance and noise levels.
- **RGB Control:** If connected to a motherboard RGB header, use your motherboard's RGB software (e.g., ASUS Aura Sync, MSI Mystic Light, Gigabyte RGB Fusion) to customize the lighting effects. If using the included RGB controller, refer to its specific instructions for mode and color selection.

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 to prevent damage.
- **Visual Inspection:** Check tubing for any signs of kinks, leaks, or damage. Ensure all cable connections are secure.
- **Pump Noise:** A slight hum from the pump is normal. Excessive noise or gurgling might indicate air bubbles. Gently tilt your PC case while running to help dislodge air bubbles. If noise persists, consult troubleshooting.
- **Thermal Paste:** The thermal paste typically lasts for several years. Reapplication is generally not needed unless the cooler is removed from the CPU.

7. TROUBLESHOOTING

If you encounter issues with your MasterLiquid ML360 RGB TR4 Edition, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
High CPU Temperatures	◦ Improper pump connection/power ◦ Insufficient thermal paste contact ◦ Fans not spinning or incorrect orientation ◦ Air bubbles in the loop	◦ Ensure pump is connected to CPU_FAN/AIO_PUMP and set to full speed in BIOS. ◦ Re-seat pump block, reapply thermal paste if necessary. ◦ Check fan connections and orientation. ◦ Gently tilt case to dislodge air bubbles.
Fans/RGB Not Working	◦ Loose cable connections ◦ Incorrect RGB header connection ◦ Software issues	◦ Verify all fan and RGB cables are securely connected. ◦ Ensure RGB is connected to the correct 12VGRB or 5VDBG header. ◦ Update or reinstall motherboard RGB software.
Unusual Pump Noise	◦ Air trapped in pump ◦ Pump running at incorrect speed	◦ Gently tilt case to move air bubbles to radiator. ◦ Ensure pump is receiving full power from motherboard header.

If problems persist, contact Cooler Master customer support for further assistance.

8. SPECIFICATIONS

Model Number	MLX-D36M-A18PK-T1
Brand	Cooler Master
Color	Multicolor (RGB)
Material	Liquid (Coolant)
Cooling Method	Liquid Cooling (AIO)
Compatible Devices	Desktop Computers (specifically TR4 socket)
Power (Pump)	2.36 watts
Power Connector	4-pin (for pump)
Radiator Size	360mm (3 x 120mm fans)

9. WARRANTY AND SUPPORT

Cooler Master products are backed by a limited warranty. For detailed warranty terms and conditions, please refer to the official Cooler Master website or the warranty card included with your product.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please visit the official Cooler Master support website or contact their customer service department. Have your product model number (MLX-D36M-A18PK-T1) and proof of purchase ready when contacting support.

Official Website: www.coolermaster.com

© 2024 Cooler Master. All rights reserved. Information subject to change without notice.

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

Open the live page

<https://manuals.plus/asin/B092TH62CZ>

More documents and user manuals: <https://manuals.plus/>