MSI CLA13240WT

MSI MAG Coreliquid A13 240 White AIO CPU Liquid Cooler Instruction Manual

1. Introduction and Overview

The MSI MAG Coreliquid A13 240 White is an All-in-One (AIO) ARGB CPU liquid cooler designed for efficient thermal management of your processor. This manual provides essential information for installation, operation, and maintenance to ensure optimal performance and longevity of your cooling system.

2. Product Components and Features

The MSI MAG Coreliquid A13 240 White includes the following key components and features:

- **LGA 1851 Ready:** Out-of-box support for LGA 1851 sockets.
- **Split-Flow Radiator with Integrated Pump:** Aluminum radiator with a unique split-flow water cooling system and an integrated three-phase pump for durability and reduced motor resonance.
- **High-Performance Pump:** Operates at speeds up to 3800 RPM with high-quality ceramic bearings for balanced performance and quiet operation.
- **Evaporation-Proof Tubing:** 390mm water cooling tubes with triple-layered netted plastic concealed beneath reinforced mesh sheathing to prevent water evaporation.
- **AMD and Intel Socket Compatible:** Mounting bracket fits AMD (AM5, AM4, FM2+, FM2, FM1, AM3+, AM3, AM2+, AM2) and Intel (LGA 1150, 1151, 1155, 1156, 1700, 1200, 1366, 2011, 2011-3, 2066) CPU sockets.
- **Thermal Paste Included:** Essential for initial installation.



Figure 1: MSI MAG Coreliquid A13 240 White AIO CPU Liquid Cooler with fans and pump block.

3. Setup and Installation

Follow these steps for proper installation of your MSI MAG Coreliquid A13 240 White AIO CPU Liquid Cooler.

3.1 Unboxing and Component Check

Before beginning installation, ensure all components are present and undamaged. Refer to the packing list for details.

Your browser does not support the video tag.

Video 1: MSI MAG Coreliquid A13 240 White Product Overview. This video provides a brief overview of the liquid cooler's features and design.

3.2 CPU Socket Preparation

Identify your CPU socket type (Intel LGA or AMD AM series) and prepare the motherboard accordingly. For AMD, remove existing plastic brackets while keeping the backplate. For Intel, use the provided backplate and standoffs.



Figure 2: The cooler's full copper base ensures efficient heat transfer from the CPU.

3.3 Radiator and Fan Installation

Mount the radiator and fans to your PC case. The dual 120mm ARGB PWM fans are pre-installed on the 240mm radiator. Ensure proper airflow direction (intake or exhaust) based on your case's thermal design.

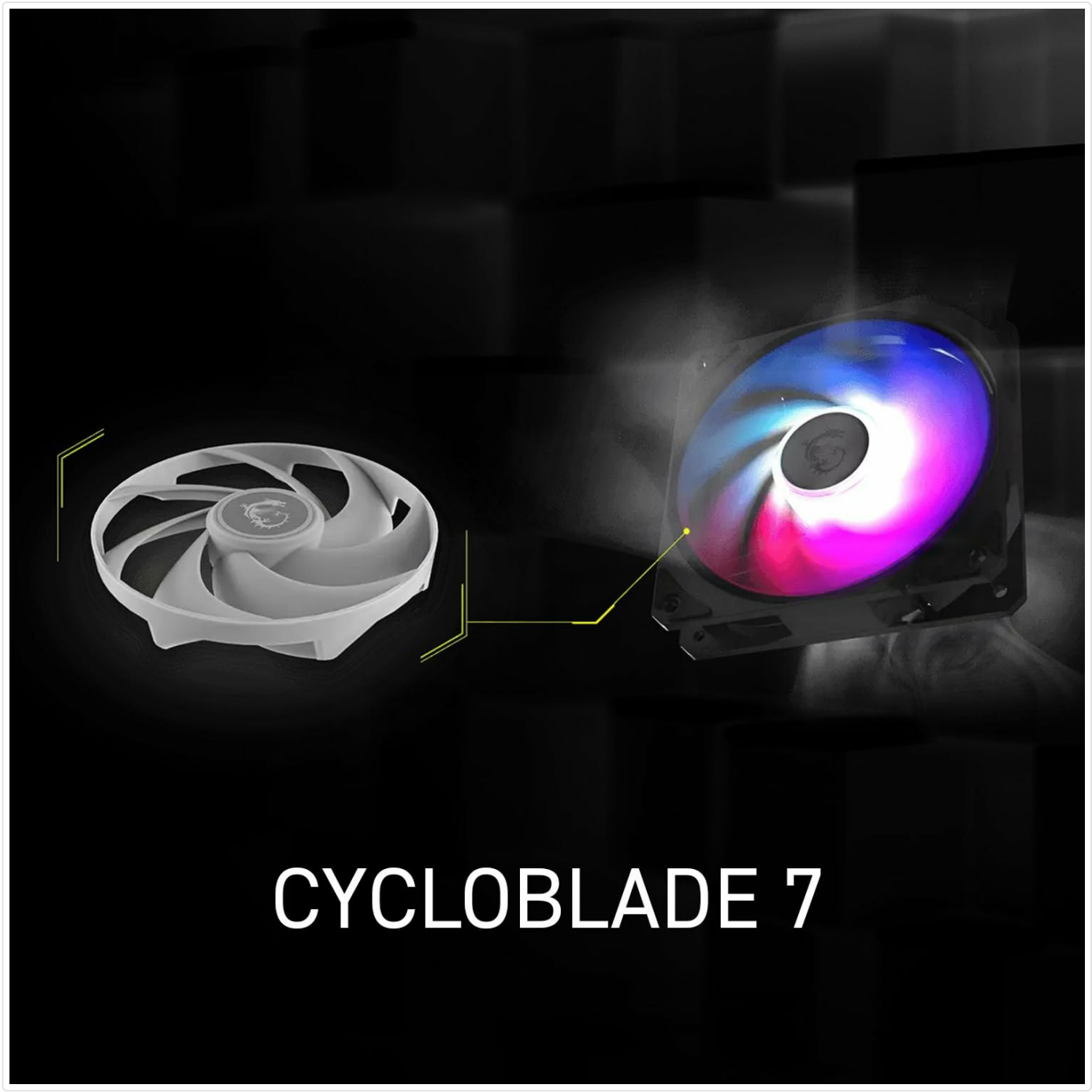


Figure 3: Cycloblade 7 fan design for optimized airflow and pressure.

3.4 Pump Block Mounting

Apply a small amount of thermal paste (included) to the center of your CPU's Integrated Heat Spreader (IHS). Carefully place the pump block onto the CPU, aligning it with the mounting holes. Secure the pump block with the appropriate screws and brackets for your CPU socket type. Ensure even pressure for optimal thermal contact.

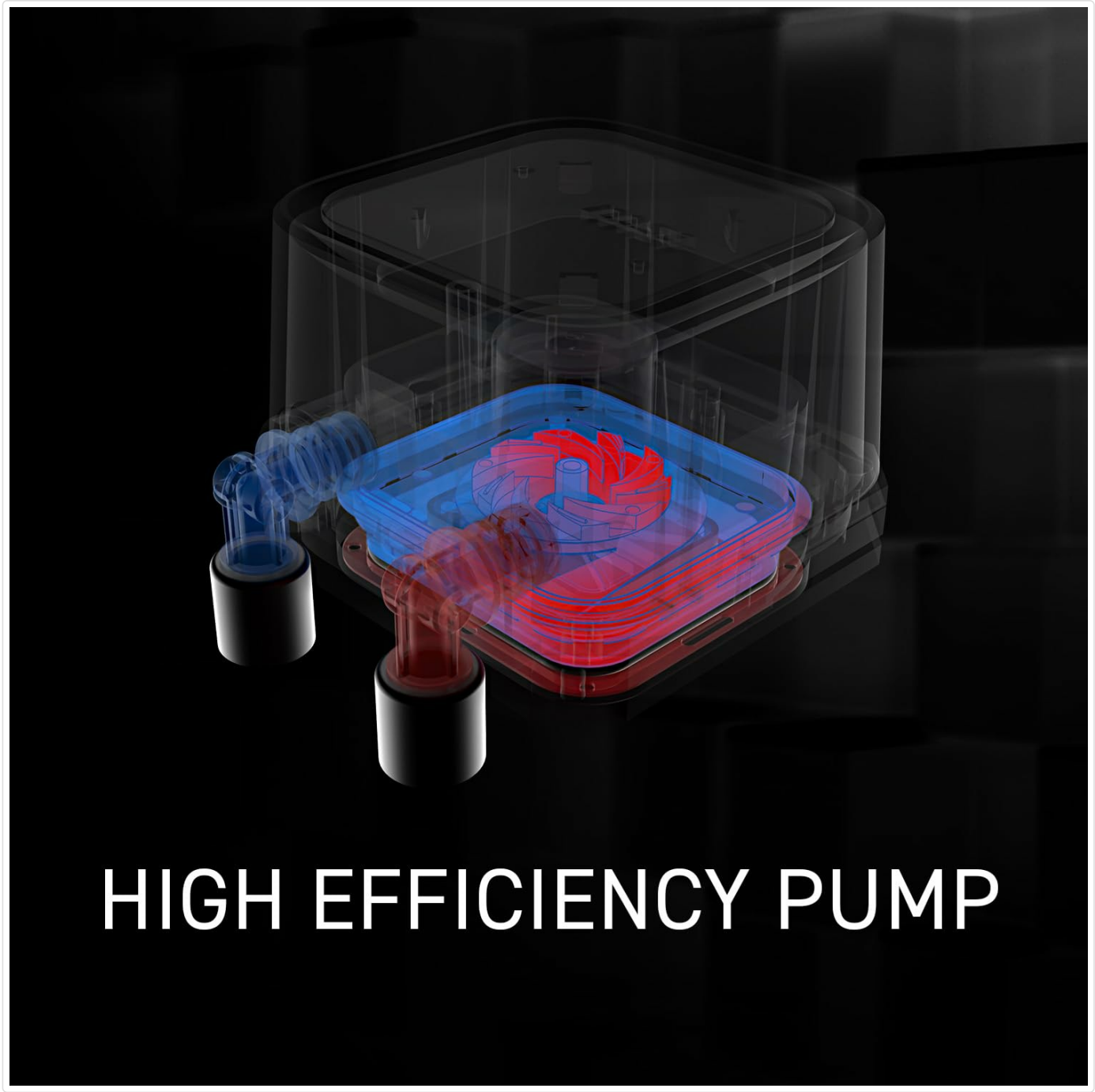


Figure 4: The high-efficiency pump operates at up to 3800 RPM for effective cooling.

3.5 Cable Management and Connections

Connect the pump power cable to the CPU_OPT or AIO_PUMP header on your motherboard. Connect the fan PWM connectors to a fan splitter cable (if needed) and then to a CPU_FAN header for fan speed synchronization. Utilize the EZ Connect feature for simplified wiring of the ARGB fans.



Figure 5: EZ Connect design simplifies cable management for fans and RGB lighting.

The tubing is designed to be evaporation-proof, ensuring long-term reliability.

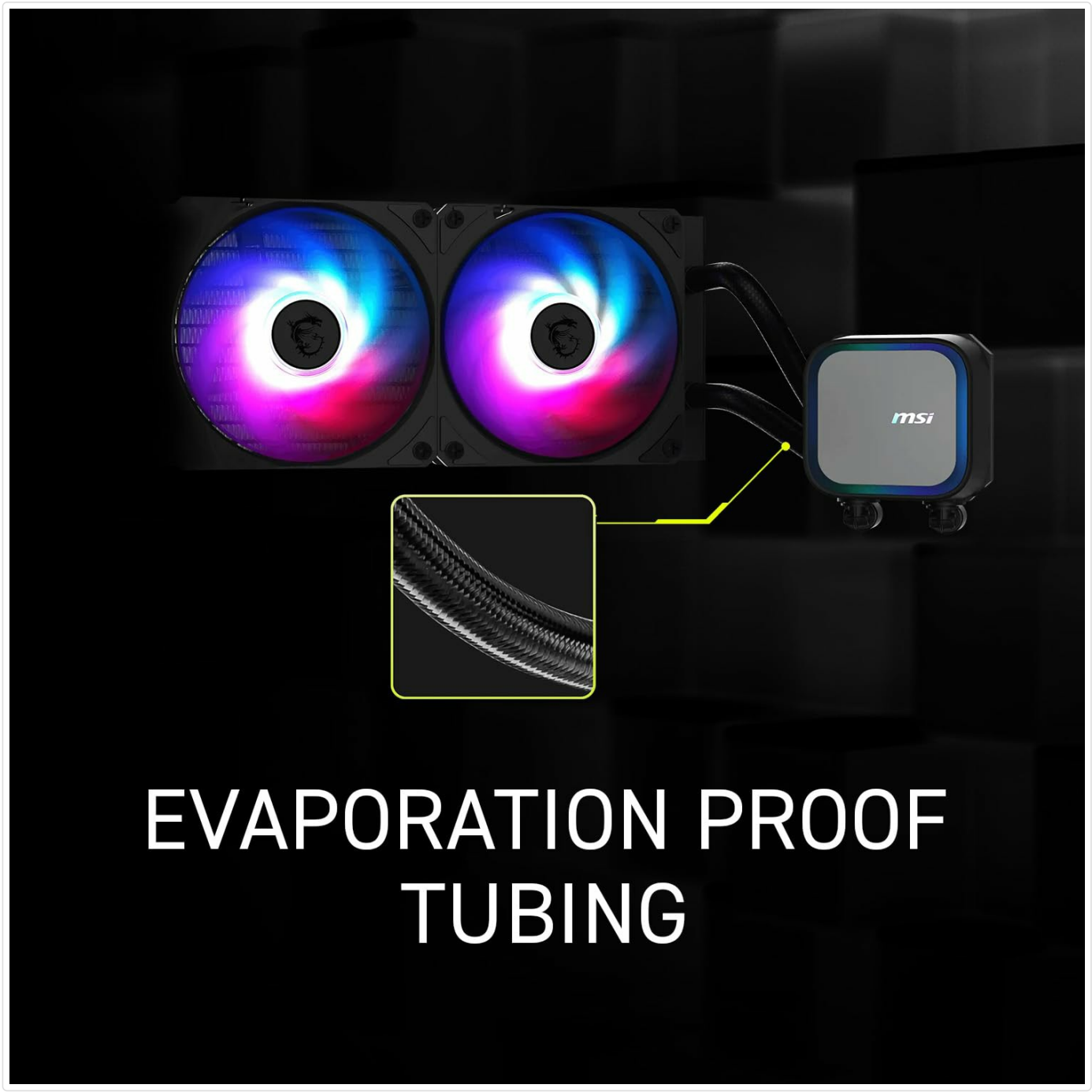


Figure 6: Durable, triple-layered tubing prevents coolant evaporation.

4. Operating Instructions

Once installed, your AIO cooler will automatically regulate fan and pump speeds based on CPU temperature, controlled by your motherboard's BIOS settings. For ARGB lighting customization, use your motherboard's compatible RGB software.

- **Fan Speed Control:** Managed via motherboard BIOS or dedicated software.
- **Pump Speed Control:** Managed via motherboard BIOS or dedicated software.
- **ARGB Lighting:** Customizable through motherboard RGB software (e.g., MSI Mystic Light) to synchronize lighting effects across your system.

5. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your liquid cooler:

- **Dust Cleaning:** Periodically clean dust from the radiator fins and fan blades using compressed air.
- **Tubing Inspection:** Check tubing for any signs of wear, kinks, or leaks.
- **Coolant Check:** While the system is closed-loop and evaporation-proof, monitor CPU temperatures to ensure the cooler is functioning effectively.

6. Troubleshooting

If you encounter issues, consider the following common troubleshooting steps:

- **High CPU Temperatures:**
  - Ensure pump and fans are properly connected and spinning.
  - Verify thermal paste application and pump block contact with the CPU.
  - Check for dust buildup on the radiator.
- **Pump Noise:**
  - Ensure the pump is running at an appropriate speed (check BIOS settings).
  - Check for air bubbles in the loop by gently tilting the PC case.
- **ARGB Lighting Not Working:**
  - Verify ARGB connections to the motherboard header.
  - Ensure motherboard RGB software is installed and configured correctly.

7. Specifications

Feature	Detail
Brand	MSI
Model Number	CLA13240WT
Cooling Method	Water
Radiator Size	240mm
Fan Size	120mm (Dual ARGB PWM Fans)
Pump Speed	Up to 3800 RPM
Noise Level	14.4 Decibels
Compatible Sockets	AMD (AM5, AM4, FM2+, FM2, FM1, AM3+, AM3, AM2+, AM2), Intel (LGA 1150, 1151, 1155, 1156, 1700, 1200, 1366, 2011, 2011-3, 2066, 1851)
Material	Aluminum, Plastic
Item Weight	4.12 pounds

8. Warranty and Support

For warranty information and technical support, please refer to the official MSI website or contact their customer service. Keep your proof of purchase for warranty claims.

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.

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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