Thermalright AQUA ELITE 360 V3

Thermalright Aqua Elite 360 V3 Water Cooling CPU Cooler Instruction Manual

Model: AQUA ELITE 360 V3 | Brand: Thermalright

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Thermalright Aqua Elite 360 V3 Water Cooling CPU Cooler. Please read this guide thoroughly before installation to ensure proper setup and optimal performance.

2. PRODUCT FEATURES

- **Better Cooling:** Features a fourth-generation pump head, 360mm black aluminum fin heat sink plate, protective mesh water pipes, and three 120mm ARGB fans with S-FDB bearings for low vibration, high heat dissipation, low evaporation, and extended lifespan.

- **Unique Pump Head:** Octagonal-shaped cold pump head with a swirling rectangle design and ARGB halo lighting. Offers a lifespan of up to 40,000 hours and a rotation speed of up to 3,300 RPM ± 10% for excellent CPU heat dissipation.

- **Excellent LED Lighting Effect:** Fans and water-cooling header ARGB sync with 5V 3-pin motherboard headers for 16 million color soft light effects. Supports light effect series and motherboard sync to prevent insufficient light interfaces.

- **Fan Parameters:** Equipped with three TL-C12B-S V2 fans (120x120x25mm). Speed: 1500RPM ± 10%, Noise: ≤23dBA, Airflow: 66.17CFM (MAX). Features 4PIN PWM and 5V/3PIN ARGB interfaces, allowing automatic speed adjustment based on CPU temperature and manual ARGB color adjustment.

- **Convenient Installation:** AIO cooler compatibility for AMD (AM4/AM5) and Intel (LGA1150/1151/1155/1156/1200/2011/2066/1700) sockets. Includes all necessary accessories and clear instructions for simple installation.

3. PACKAGE CONTENTS

The Thermalright Aqua Elite 360 V3 Water Cooling CPU Cooler package includes:

- Liquid CPU Cooler (Radiator with 3 fans, pump/waterblock assembly)
- Mounting hardware for AMD AM4/AM5 sockets
- Mounting hardware for Intel LGA1150/1151/1155/1156/1200/2011/2066/1700 sockets
- Thermal compound syringe
- Fan PWM splitter cable
- ARGB lighting sync cable
- User Manual

SHINE YOUR SETUP

Both water block and fans are equipped with addressable RGB lighting, which can be controlled and synchronized by supported motherboard software.

Image: Overview of the Thermalright Aqua Elite 360 V3 components, showing the radiator with pre-installed fans and the waterblock.

4. INSTALLATION GUIDE

The following video provides a comprehensive guide for installing the Thermalright Aqua Elite 360 V3 on both AMD AM4/AM5 and Intel LGA1700 platforms. Please follow the steps carefully.

Your browser does not support the video tag.

Video: Detailed installation steps for Thermalright Aqua Elite 360 V3 CPU Cooler on both AMD AM5/AM4 and Intel LGA1700 motherboards. This includes preparing the motherboard, mounting the waterblock, and connecting cables.

4.1. General Preparation

- Ensure your system is powered off and unplugged from the wall outlet.
- Refer to your motherboard manual for specific CPU fan header locations and clearances.
- Gather necessary tools: Phillips head screwdriver.

4.2. Radiator Installation

1. **Mount Radiator:** Install the radiator onto your PC case using the short radiator screws. Ensure the fan exhaust side is adjusted according to your case's airflow strategy.

Image: The Thermalright Aqua Elite 360 V3 cooler installed within a PC case, showcasing its placement and aesthetic.

4.3. Wiring Connections

1. **Connect Fan PWM Cable:** Connect the fan PWM cable to the fan splitter cable for fan speed synchronization. Then, connect the fan PWM splitter cable to the CPU_FAN socket on your motherboard to power the fans.

2. **Connect ARGB Lighting Cable:** Connect the ARGB lighting cable to the motherboard's 3-pin 5V ARGB socket for lighting control.

3. **Connect Pump Power Cable:** Connect the pump power cable to the CPU_OPT or AIO_PUMP socket on your motherboard.

SIMPLE INSTALL

New cooler mounting kits offers easy experience and secure mounting pressure. Fans are factory pre-mounted to simplify installation process. Paired Premium accessories,it ensures best out-of-box performance on any system.

Image: Illustration of fan parameters and the PWM intelligent control system, highlighting the S-FDB bearings and shock-absorbing silicone pads.

5. OPERATION

Once installed and powered on, the Thermalright Aqua Elite 360 V3 will automatically begin cooling your CPU. The PWM function allows the fan speed to adjust automatically based on CPU temperature, optimizing for both cooling performance and noise levels. The ARGB lighting can be controlled via your motherboard's compatible software, allowing for customization of lighting effects and colors.

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low Temperature high Performance

AQUA ELITE 360 V3 ARGB

ALL-in-one CPU Liquid Cooler

Image: Close-up view of the waterblock, highlighting its aluminum casing, mirror finish panel, and addressable RGB lighting, along with pump speed specifications.

Your browser does not support the video tag.

Video: A demonstration of the Thermalright Aqua Elite 360 V3 in operation, highlighting its cool, quiet performance and customizable RGB lighting effects.

6. MAINTENANCE

- **Dust Cleaning:** Periodically clean dust from the radiator fins and fan blades using compressed air. Ensure fans are not spinning during cleaning.
- **Inspect Tubing:** Regularly check the water tubes for any signs of leaks, kinks, or damage.
- **Monitor Performance:** Use monitoring software to keep track of CPU temperatures and pump/fan speeds to ensure optimal performance.
- **Thermal Paste:** Reapply thermal paste if you ever need to remove and reinstall the waterblock.

7. TROUBLESHOOTING

- **High CPU Temperatures:**
  - Check if the waterblock is securely mounted to the CPU.
  - Ensure thermal paste is correctly applied.
  - Verify that the pump is running (check connections to CPU_OPT/AIO_PUMP header).
  - Confirm fans are spinning and connected to the CPU_FAN header.
  - Clean any dust buildup on the radiator fins.

- **Fans Not Spinning/ARGB Not Lighting Up:**
  - Check all fan and ARGB cable connections to the motherboard.
  - Ensure the motherboard's ARGB header is enabled in BIOS/UEFI or controlled by appropriate software.
  - Verify power supply connections.

- **Unusual Noise:**
  - Check for loose fan screws or vibrations.
  - Ensure no cables are interfering with fan blades.
  - If pump noise is excessive, ensure it's properly mounted and not running dry (though this is rare for AIOs).

8. SPECIFICATIONS

Feature	Specification
Product Dimensions	4.72"L x 0.98"W x 4.72"H
Brand	Thermalright
Power Connector Type	4-Pin
Voltage	5 Volts

Wattage	2.64 watts
Cooling Method	Water
Compatible Devices	Desktop
Noise Level	23 Decibels
Maximum Rotational Speed	1800 RPM
Air Flow Capacity	66.17 Cubic Feet Per Minute
Item Weight	4.89 pounds
Item Model Number	AQUA ELITE 360 V3

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Thermalright website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.
Official Thermalright Website: www.thermalright.com