Thermalright AQUA ELITE 360 ARGB V4

Thermalright Aqua Elite 360 ARGB Liquid CPU Cooler Instruction Manual

Model: AQUA ELITE 360 ARGB V4

INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your Thermalright Aqua Elite 360 ARGB Liquid CPU Cooler. Please read this manual thoroughly before installation and retain it for future reference.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. Follow these steps carefully. Ensure your system is powered off and unplugged before beginning installation.

Components Overview

The Thermalright Aqua Elite 360 ARGB Liquid CPU Cooler includes a water block with an integrated pump, a 360mm radiator, three 120mm ARGB PWM fans, and mounting hardware for various Intel and AMD sockets.

Image: Thermalright Aqua Elite 360 ARGB Liquid CPU Cooler, showcasing the radiator, fans, and water block.
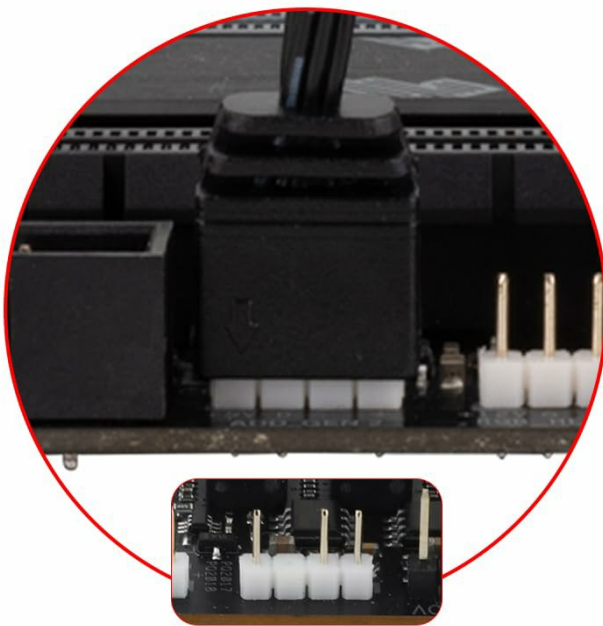
Installation Video Guide

For a visual step-by-step guide, please refer to the official installation tutorial video:

Video: Official installation tutorial for the Thermalright Aqua Elite 360 ARGB Liquid CPU Cooler, demonstrating steps for various CPU sockets.
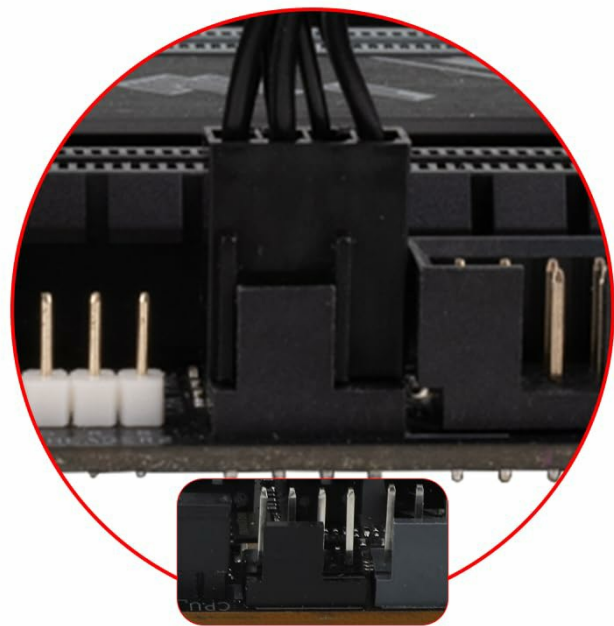
General Installation Steps

1. **Prepare Motherboard:** Install the appropriate backplate and standoffs for your CPU socket (Intel LGA1851/1700/115x/1200/2011 or AMD AM4/AM5).

2. **Apply Thermal Compound:** Apply a small amount of thermal compound to the center of your CPU's Integrated Heat Spreader (IHS).

3. **Mount Water Block:** Secure the water block onto the CPU, ensuring even pressure.

4. **Install Radiator and Fans:** Mount the radiator and pre-installed fans to an available fan mount in your PC case. Ensure proper airflow direction.

5. **Connect Cables:**

- Connect the pump power cable to the CPU_OPT or AIO_PUMP header on your motherboard.
- Connect the fan PWM cables to the fan splitter cable, then connect the splitter to a CPU_FAN header on your motherboard.
- Connect the ARGB lighting cables from the fans and water block to the motherboard's 3-pin +5V ARGB header for lighting synchronization.

FAN_+5V 3PIN ARGB   FAN_4PIN PWM

Image: Close-up view of the fan PWM and ARGB connectors, illustrating how to connect them for power and lighting synchronization.

OPERATION

The Thermalright Aqua Elite 360 ARGB Liquid CPU Cooler is designed for efficient and quiet operation.

PWM Fan Control

The included TL-C12C-S ARGB fans feature Pulse Width Modulation (PWM) control. This allows your motherboard to automatically adjust fan speed based on CPU temperature, providing optimal cooling performance while minimizing noise levels. You can configure fan curves in your motherboard's BIOS/UEFI settings or through compatible software.

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: Diagram illustrating the features of the 120mm ARGB PWM fans, including high air volume, S-FDB bearing, quiet operation, and 4-pin PWM connector.

ARGB Lighting Synchronization

The Addressable RGB (ARGB) lighting on both the CPU fans and the water block can be synchronized with your motherboard's 5V 3-pin ARGB header. This enables control over 16 million colors and various lighting effects through your motherboard's ARGB software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, Gigabyte RGB Fusion, ASRock Polychrome Sync). Ensure your motherboard supports 5V 3-pin ARGB for full functionality.

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: Close-up of the water block with illuminated ARGB logo and swirl design, highlighting the 2600 RPM pump speed and 12V DC power input.

Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your liquid CPU cooler.

- **Dust Removal:** Periodically clean the radiator fins and fan blades to prevent dust buildup, which can impede airflow and cooling efficiency. Use compressed air or a soft brush.
- **Inspect Tubing:** Occasionally check the water tubes for any signs of wear, kinks, or leaks.
- **Thermal Compound:** While not frequently required, if you ever remove the water block, it is recommended to clean off old thermal compound and apply new compound before reinstallation.

Troubleshooting

If you encounter issues with your Thermalright Aqua Elite 360 ARGB Liquid CPU Cooler, consider the following common solutions:

- **No Power/Fans Not Spinning:**
  - Check all power connections to the pump and fans. Ensure they are securely plugged into the correct motherboard headers (CPU_OPT/AIO_PUMP for pump, CPU_FAN for fans).
  - Verify that the fan splitter cable is correctly connected.

- **Poor Cooling Performance:**
  - Ensure the water block is securely mounted to the CPU with adequate pressure.
  - Confirm that thermal compound was applied correctly and evenly.
  - Check for dust buildup on the radiator fins and clean if necessary.
  - Verify that fans are spinning and oriented correctly for optimal airflow (pushing air through the radiator).

- **ARGB Lighting Not Working/Incorrect Colors:**
  - Ensure all ARGB cables are securely connected to the motherboard's 3-pin +5V ARGB header.
  - Check your motherboard's ARGB software settings to ensure lighting is enabled and configured as desired.
  - Confirm your motherboard has a 3-pin +5V ARGB header, not a 4-pin +12V RGB header, as these are incompatible.

- **Unusual Noise:**
  - Check for loose fan screws or cables interfering with fan blades.
  - Ensure the pump is not running dry (though unlikely with AIOs, check for unusual gurgling sounds).

Specifications

Feature	Detail
Product Dimensions	14.76"L x 14.76"W x 14.76"H (Radiator)
Item Model Number	AQUA ELITE 360 ARGB V4
Brand	Thermalright
Power Connector Type	4-Pin (PWM)
Voltage	12 Volts (DC)
Cooling Method	Water

Feature	Detail
Compatible Devices	Desktop (Intel LGA 1851/1700/1150/1151/1155/1156/1200/2011/2066; AMD AM4/AM5)
Noise Level	≤25.6 Decibels (Fans)
Material	Aluminum (Radiator), Copper (Cold Plate)
Maximum Rotational Speed	1550 RPM (Fans), 2600 RPM (Pump)
Air Flow Capacity	66.17 Cubic Feet Per Minute (Fans)

WARRANTY INFORMATION

Thermalright products are designed for reliability and performance. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official Thermalright website. Extended protection plans may be available for purchase separately.

- 3-Year Protection Plan: Available for purchase.
- 4-Year Protection Plan: Available for purchase.
- Complete Protect: Monthly plan covering eligible purchases.
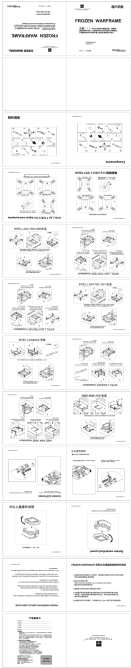
CUSTOMER SUPPORT

If you require further assistance or have questions not covered in this manual, please contact Thermalright customer support. You can typically find contact information on the official Thermalright website or through your product's purchase platform.

For the latest drivers, software, and FAQs, please visit the Thermalright Official Website.

Related Documents - AQUA ELITE 360 ARGB V4

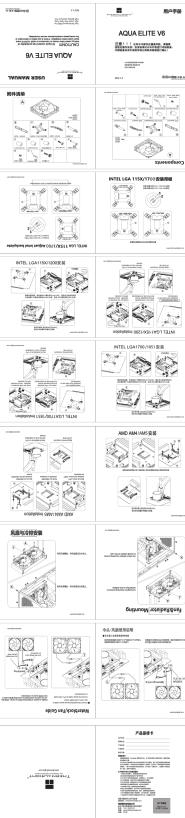|	[Thermalright Grand Vision ARGB Series AIO Liquid Coolers Installation Guide](#)
	Installation and user guide for the Thermalright Grand Vision ARGB series All-In-One liquid CPU coolers, detailing features, installation steps, specifications, and compatibility for PC builders.
	[Thermalright Peerless Assassin 140 CPU Cooler Installation Guide](#) Comprehensive installation guide for the Thermalright Peerless Assassin 140 CPU cooler, detailing steps for AMD AM4/AM5 and Intel LGA 115X, 1200, 1700, 1851, 2011, and 2066 sockets, along with fan wiring instructions.
	[Thermalright Peerless Assassin 120 Digital Installation Guide](#) Comprehensive installation guide for the Thermalright Peerless Assassin 120 Digital CPU cooler, detailing parts, assembly steps for AMD and Intel platforms, fan and digital display connections, and software setup.

[Thermalright FROZEN WARFRAME Liquid Cooler Installation and User Guide](#)
Comprehensive guide for installing and using the Thermalright FROZEN WARFRAME series liquid cooler, including software setup and hardware mounting instructions for various CPU sockets.

[Thermalright Royal Knight 120 CPU Cooler Installation Guide](#)
Comprehensive installation guide for the Thermalright Royal Knight 120 CPU cooler, detailing compatibility and assembly steps for AMD AM4/AM5 and various Intel LGA sockets.

[Thermalright Aqua Elite V6 CPU Cooler User Manual](#)
User manual for the Thermalright Aqua Elite V6 CPU cooler, detailing installation instructions for Intel LGA 1700/1851 and LGA 115X/1200, and AMD AM4/AM5 sockets, along with fan and radiator mounting and RGB connection. Includes warranty information.