**aigo AT360**

# aigo AT360 360mm CPU Liquid Cooler Instruction Manual

Comprehensive guide for installation, operation, and maintenance of your aigo AT360 Liquid Cooler.

## 1. Product Overview

The aigo AT360 CPU Liquid Cooler is an All-In-One (AIO) liquid cooling system designed to efficiently dissipate heat from your CPU. It features a 360mm radiator, three 120mm PWM fans, and an ARGB pump head, providing both effective cooling and customizable lighting effects. The system is compatible with various Intel and AMD CPU sockets.
Key features include a micro-channel design for enhanced heat exchange and FDB bearing fans for quiet operation and extended lifespan.


Image 1.1: The aigo AT360 360mm CPU Liquid Cooler, showcasing the radiator, three 120mm ARGB fans, and the illuminated pump head.

## 2. Package Contents

Before beginning installation, please verify that all components listed below are present in your package. If any parts are missing or damaged, contact customer support.

- aigo AT360 Radiator with Integrated Pump and Tubing
- 3 x 120mm PWM ARGB Fans
- Intel Mounting Brackets (LGA 115x/1200/20xx)
- AMD Mounting Brackets (AM4/AM3+/AM3)
- Universal Backplate
- Mounting Screws and Hardware
- Thermal Paste
- ARGB Controller (optional, depending on package)
- User Manual


Image 2.1: All components included in the aigo AT360 liquid cooler package, laid out for inspection.

## 3. Setup and Installation

This section provides step-by-step instructions for installing your aigo AT360 liquid cooler. Ensure your system is powered off and unplugged before proceeding. It is recommended to wear anti-static gloves.

### 3.1. Prepare the CPU and Motherboard

1. Remove any existing CPU cooler and clean off old thermal paste from the CPU surface using isopropyl alcohol and a lint-free cloth.
2. Identify your CPU socket type (Intel LGA or AMD AM series) to select the correct mounting hardware.

### 3.2. Install the Backplate

For Intel LGA 115x/1200/20xx and AMD AM4/AM3+/AM3 sockets, install the universal backplate behind the motherboard. Align the backplate holes with the motherboard mounting holes and secure it from the front with the appropriate standoffs.

### 3.3. Attach Mounting Brackets to Pump

Select the correct mounting brackets for your CPU socket. Attach these brackets to the pump head by sliding them into place until they click securely. Ensure they are firmly seated.

### 3.4. Install Fans to Radiator

Mount the three 120mm PWM ARGB fans to the radiator using the provided long screws. Ensure the fan airflow direction is correct for your case's cooling configuration (typically blowing air through the radiator and out of the case, or into the case for intake).

### 3.5. Mount Radiator to PC Case

Secure the radiator assembly to an available fan mounting location in your PC case (e.g., top, front, or rear). Use the shorter screws provided for this step. Ensure there is adequate clearance for the radiator and fans.

### 3.6. Install Pump/Cold Plate onto CPU

1. Apply a small, pea-sized amount of thermal paste to the center of your CPU's Integrated Heat Spreader (IHS).
2. Carefully place the pump head onto the CPU, aligning the mounting brackets with the standoffs installed in step 3.2.
3. Secure the pump head by tightening the four thumb screws in a diagonal pattern until snug. Do not overtighten.

### 3.7. Wiring Connections

1. Connect the 3-pin pump power cable to a dedicated AIO_PUMP or CPU_FAN header on your motherboard. Consult your motherboard manual for the correct header.
2. Connect each 4-pin PWM fan cable to an available fan header on your motherboard (e.g., CPU_FAN, SYS_FAN). You may use a fan splitter if necessary.
3. Connect the 3-pin ARGB cables from the fans and pump head to a 5V ARGB header on your motherboard (typically labeled ADD_HEADER or JRAINBOW). If your motherboard lacks an ARGB header, use the included ARGB controller (if applicable) and connect it to a SATA power connector from your PSU.
4. Ensure all cables are routed neatly and do not obstruct airflow or other components.


Image 3.1: The aigo AT360 liquid cooler fully installed within a computer case, demonstrating proper placement and cable management.

## 4. Operating Instructions

### 4.1. ARGB Lighting Control

The aigo AT360 supports Addressable RGB (ARGB) synchronization. If connected to a compatible 5V ARGB header on your motherboard, you can control the lighting effects using your motherboard's RGB software (e.g., GIGABYTE RGB Fusion, MSI Mystic Light Sync, ASUS Aura Sync, AsRock Polychrome Sync). If using the included ARGB controller, refer to its specific instructions for cycling through lighting modes.

### 4.2. Fan Speed Control (PWM)

The 120mm fans are Pulse Width Modulation (PWM) controlled, allowing their speed to be adjusted based on CPU temperature. This can be configured through your motherboard's BIOS/UEFI settings or dedicated fan control software. It is recommended to set a fan curve that balances cooling performance with noise levels.

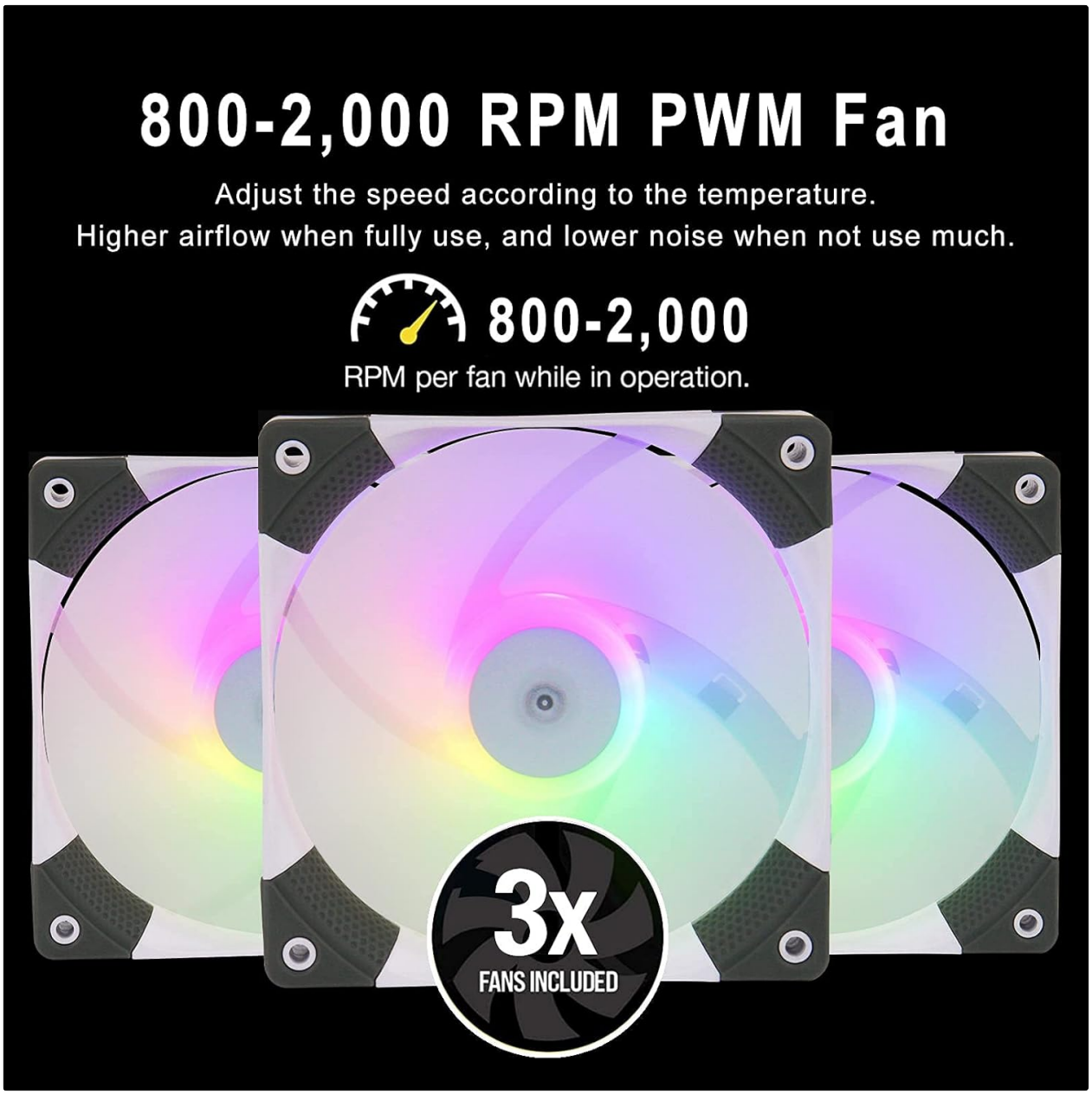


Image 4.1: Illustration detailing the operational speed range of the PWM fans (800-2,000 RPM) and confirming the inclusion of three fans.

## 5. Maintenance

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

- **Dust Removal:** Periodically inspect the radiator fins and fan blades for dust accumulation. Use compressed air or a soft brush to gently remove dust. Excessive dust can impede airflow and reduce cooling efficiency.
- **Cable Inspection:** Ensure all power and ARGB cables remain securely connected and are not pinched or damaged.
- **Coolant:** The aigo AT360 is a closed-loop AIO system and does not require coolant refills or maintenance. Do not attempt to open the cooler or modify the tubing.

## 6. Troubleshooting

If you encounter issues with your aigo AT360 liquid cooler, refer to the following common problems and solutions:

- **No Power/Fans Not Spinning:**
  - Check all power connections, including the pump's 3-pin connector and fan PWM connectors to the motherboard.
  - Ensure the power supply unit (PSU) is functioning correctly.
  - Verify fan headers are enabled in BIOS/UEFI.
- **Poor Cooling Performance/High CPU Temperatures:**
  - Confirm the pump is running (you may feel a slight vibration or hear a faint hum).
  - Check that the pump cold plate is making full contact with the CPU IHS. Re-seat the pump if necessary, ensuring even pressure.
  - Verify thermal paste application. Reapply if it appears insufficient or uneven.
  - Ensure fans are spinning and oriented correctly for optimal airflow through the radiator.
  - Clean any dust buildup from the radiator fins.
- **ARGB Lighting Not Working/Incorrect Colors:**
  - Ensure the ARGB cables are securely connected to a 5V ARGB header on the motherboard or the included controller.
  - Verify that you are using a 5V ARGB header, not a 12V RGB header, as this can damage the LEDs.
  - Check your motherboard's RGB software settings or the ARGB controller for proper configuration.
  - Confirm the ARGB controller (if used) is receiving power (e.g., via SATA power).

## 7. Specifications

Detailed technical specifications for the aigo AT360 CPU Liquid Cooler:

| Feature | Specification |
|---|---|
| Model Number | AT360 |
| Radiator Dimensions | 397 x 120 x 27 mm |
| Fan Dimensions | 120 x 120 x 25 mm |
| Fan Noise Level | ≤31 dBA (max.) |
| Pump Noise Level | ≤30 dBA |
| Fan Air Volume | 61.5 CFM (max.) |
| Fan Bearing Type | FDB Bearing |
| Pump Bearing Type | Ceramic Bearing |
| Material | Aluminum (Radiator) |
| Voltage | 12 Volts (DC) |
| Wattage | 3 Watts |

| Feature | Specification |
| --- | --- |
| Power Connector Type | 3-Pin (Pump), 4-Pin (Fans) |
| Cooling Method | Water |
| Compatible Devices | Desktop |
| Intel Socket Compatibility | LGA 115x/1200/20xx |
| AMD Socket Compatibility | AM4/AM3+/AM3 |


Image 7.1: Detailed view of the radiator's 27mm thickness and the cold plate's 99.7% copper content, highlighting design elements for efficient heat transfer.

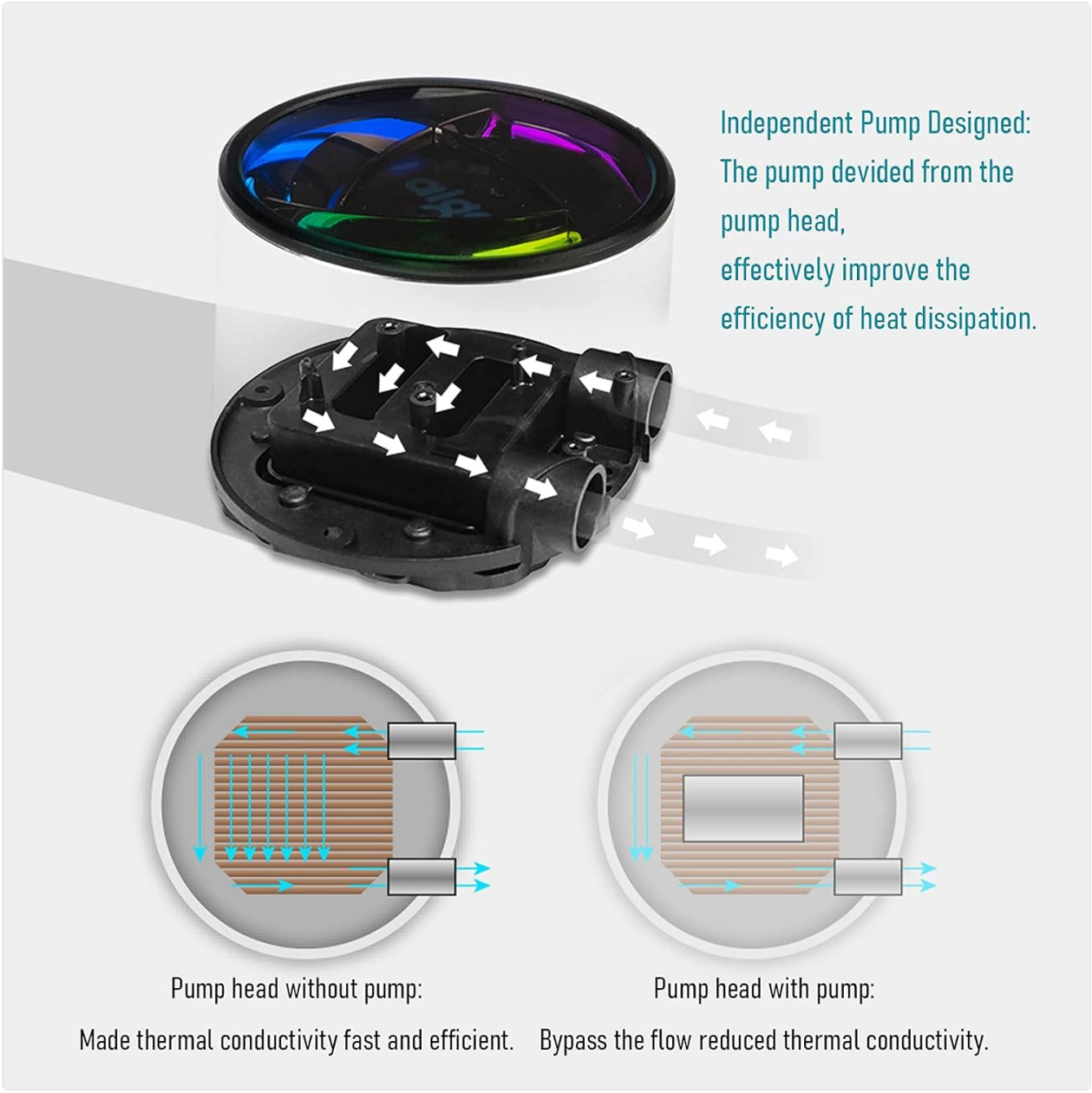


Image 7.2: An internal view of the pump head, demonstrating the micro-channel design that enhances the efficiency of heat dissipation.

## 8. Warranty and Support

The aigo AT360 CPU Liquid Cooler comes with a manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official aigo website for detailed warranty terms and conditions. For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact aigo customer support through their official channels. Provide your product model number (AT360) and proof of purchase when seeking support.