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› [aigo P6 CPU Air Cooler with 6 Heat Pipes 120mm PWM Fans 180W TDP for Intel LGA 775/115X/1200/1366/ and AMD AM4/AM3+/AM3/AM2+/AM2 User Manual](#)

## aigo aigo P6 CPU Air Cooler

### aigo P6 CPU Air Cooler User Manual

Model: aigo P6 CPU Air Cooler | Brand: aigo

## INTRODUCTION

The aigo P6 CPU Air Cooler is engineered to provide superior thermal performance for a wide range of Intel and AMD processors. Featuring 6 heat pipes and a 120mm PWM fan with Addressable RGB lighting, this cooler ensures efficient heat dissipation and quiet operation, enhancing your system's stability and aesthetics. This manual provides comprehensive instructions for proper installation, operation, and maintenance to ensure optimal performance and longevity of your aigo P6 CPU Air Cooler.

## SAFETY INFORMATION

- Ensure your system is powered off and unplugged from the wall outlet before beginning installation or maintenance.
- Handle components with care to avoid damage to the cooler or motherboard.
- Thermal paste is conductive; avoid excessive application or contact with electrical components.
- Keep small parts and packaging materials away from children.
- Refer to your motherboard manual for specific CPU socket and fan header locations.

## PACKAGE CONTENTS

Verify that all components are present before proceeding with installation:

- aigo P6 CPU Air Cooler Heatsink
- 120mm PWM Fan with ARGB
- Universal Backplate (for Intel/AMD)
- Intel Mounting Brackets and Screws
- AMD Mounting Brackets and Screws
- Thermal Paste Tube
- Fan Clips
- ARGB Controller (if not using motherboard ARGB)

- User Manual (this document)



**Figure 1:** All components included with the aigo P6 CPU Air Cooler. This image displays the heatsink, fan, universal backplate, various mounting brackets for Intel and AMD, screws, thermal paste, and fan clips.

## SETUP AND INSTALLATION

Follow these steps carefully for proper installation of your aigo P6 CPU Air Cooler. Ensure your system is powered off and unplugged before starting.

### 1. Prepare the Motherboard

Depending on your CPU socket type (Intel or AMD), you will use different mounting hardware. The installation video below demonstrates both processes.

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**Video 1:** Official installation guide for the aigo P6 CPU Air Cooler, covering both Intel and AMD platforms. This video provides a visual

walkthrough of each step, from preparing the motherboard to mounting the heatsink and connecting the fan.

## For Intel Sockets (LGA 775/115X/1200/1366)

1. Attach the Intel mounting brackets to the heatsink base using the provided screws. Ensure they are securely fastened.
2. Adjust the universal backplate to match your Intel socket's mounting holes. Insert the four standoffs through the backplate and the motherboard's CPU cooler mounting holes.
3. Apply a small amount of thermal paste to the center of your CPU's integrated heat spreader (IHS). A pea-sized or X-pattern application is generally sufficient.
4. Carefully place the heatsink onto the CPU, aligning the screws on the heatsink brackets with the standoffs on the motherboard. Tighten the screws in a diagonal pattern until snug, ensuring even pressure.

## COPPER BOTTOM

6 copper pipes,  
greatly enhance the heat  
conduction effect



**Figure 2:** The copper base of the aigo P6 CPU Air Cooler, showing the direct contact heat pipes. This surface makes direct contact with the CPU for efficient heat transfer.

## For AMD Sockets (AM4/AM3+/AM3/AM2+/AM2)

1. Remove the existing plastic retention clips from the motherboard's CPU socket. Keep the original backplate if your motherboard has one.
2. Attach the AMD mounting brackets to the heatsink base using the provided screws. Ensure they are securely fastened.
3. Apply a small amount of thermal paste to the center of your CPU's integrated heat spreader (IHS). A pea-sized or X-pattern application is generally sufficient.
4. Carefully place the heatsink onto the CPU, aligning the screws on the heatsink brackets with the motherboard's original backplate screw holes. Tighten the screws in a diagonal pattern until snug, ensuring even pressure.

## 2. Install the Fan

Once the heatsink is securely mounted, attach the 120mm PWM fan to the heatsink using the provided fan clips. Ensure the fan is oriented to blow air through the heatsink fins towards the rear of your PC case for optimal airflow.



**Figure 3:** The aigo P6 CPU Air Cooler with its 120mm PWM fan attached, showcasing the vibrant RGB lighting capabilities.

## 3. Connect Cables

1. Connect the 4-pin PWM fan cable to the "CPU\_FAN" header on your motherboard.
2. Connect the 3-pin Addressable RGB (ARGB) cable to a 5V 3-pin ARGB header on your motherboard. If your motherboard does not have a 5V 3-pin ARGB header, use the included ARGB controller and connect it to a SATA power connector from your power supply.



Figure 4: Close-up view of the 3-pin ARGB connector and 4-pin PWM connector for the aigo P6 CPU Air Cooler. These are essential for fan speed control and lighting synchronization.

## OPERATING INSTRUCTIONS

### Fan Control (PWM)

The 120mm fan supports Pulse Width Modulation (PWM), allowing your motherboard to automatically control the fan speed based on CPU temperature. This ensures optimal cooling performance while minimizing noise. You can typically adjust fan curves and settings within your motherboard's BIOS/UEFI or through manufacturer-provided software.

- **Fan Speed:** 800-1600 RPM ±20%

- **Air Flow:** 74 CFM (max)
- **Noise Level:** 14-25.8 dB(A)

## Addressable RGB Lighting

The integrated Addressable RGB lighting provides vibrant and customizable lighting effects. Control of the ARGB lighting depends on your connection method:

- **Motherboard Sync:** If connected to a 5V 3-pin ARGB header, you can control the lighting effects using your motherboard's RGB software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, Gigabyte RGB Fusion, ASRock Polychrome Sync).
- **ARGB Controller:** If using the included ARGB controller, you can cycle through various lighting modes and colors using the physical buttons on the controller. Refer to the controller's specific instructions for detailed operation.



**Figure 5:** The aigo P6 CPU Air Cooler installed within a computer system, demonstrating its illuminated fan and top cover, contributing to the overall aesthetic of the build.

## MAINTENANCE

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

- Dust Cleaning:** Periodically clean dust from the heatsink fins and fan blades using compressed air or a soft brush. Ensure the fan is not spinning during cleaning to prevent damage to the bearings.
- Thermal Paste:** Reapply thermal paste if you remove the cooler from the CPU. Old thermal paste can dry out and reduce cooling efficiency.
- Fan Inspection:** Check the fan for any unusual noises or wobbling. If the fan is damaged or excessively noisy, consider replacing it.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Fan not spinning or spinning slowly.	Incorrect fan header connection, insufficient power, or BIOS settings.	Ensure 4-pin PWM cable is connected to "CPU_FAN" header. Check BIOS/UEFI settings for fan speed control. Verify power supply connections.
RGB lighting not working.	Incorrect ARGB header connection, incompatible header (12V RGB vs. 5V ARGB), or software issue.	Ensure 3-pin ARGB cable is connected to a 5V 3-pin ARGB header. Do NOT connect to a 12V 4-pin RGB header. If using controller, ensure it's powered via SATA. Check motherboard RGB software.
High CPU temperatures.	Improper thermal paste application, loose heatsink mounting, insufficient airflow in case, or fan not spinning optimally.	Reapply thermal paste. Ensure heatsink is securely mounted with even pressure. Check case airflow and fan orientation. Verify fan speed settings.
Loud fan noise.	High fan speed, dust accumulation, or faulty fan bearing.	Adjust fan curve in BIOS/UEFI to lower speeds at idle. Clean fan blades. If noise persists, the fan may need replacement.

## SPECIFICATIONS

Feature	Detail
Model Number	aigo P6 CPU Air Cooler
Dimensions (L x W x H)	4.72" L x 0.98" W x 4.72" H (Fan) / 6.5 x 4.1 x 6.7 inches (Product)
Heat Pipes	6 x 6mm Direct Contact Copper Heat Pipes
TDP	180W
Fan Size	120mm PWM
Fan Speed	800-1600 RPM ±20%
Air Flow	74 CFM (max)
Noise Level	14-25.8 dB(A)
Power Connector	4-Pin PWM

Feature	Detail
RGB Connector	3-Pin Addressable RGB (5V)
Compatible Sockets	Intel: LGA 1366/1200/1156/1155/1151/1150/775 AMD: AM4/AM3+/AM3/AM2+/AM2/FM2+/FM2
Material	Aluminum (fins), Copper (heat pipes/base)



3 Pin A-RGB Connector



4 Pin PWM Connector



Fan Speed: 800-1600RPM  $\pm 20\%$

Max Air Volume: 72.5CFM

Fan Noise: 29dBA(MAX.)

Figure 6: Detailed dimensions of the aigo P6 CPU Air Cooler, including height, width, and depth measurements for compatibility assessment within PC cases.

## WARRANTY AND SUPPORT

The aigo P6 CPU Air Cooler is covered by the standard manufacturer's warranty. For specific warranty terms, technical

support, or service inquiries, please refer to the official aigo website or contact their customer support directly. Keep your proof of purchase for warranty claims.

You can find more information and contact details on the [aigo Store](#).

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## Related Documents - aigo P6 CPU Air Cooler

	<p><a href="#">Aigo ICE200 CPU Cooler User Manual</a></p> <p>Comprehensive user manual for the Aigo ICE200 CPU Cooler, detailing installation, specifications, and compatibility for Intel and AMD processors.</p>
	<p><a href="#">Aigo AR12 PRO PWM Fan: Installation and Specifications</a></p> <p>Comprehensive guide for the Aigo AR12 PRO PWM fan, detailing its accessories, dimensions, fan interface types, and step-by-step connection instructions for PC cooling setups.</p>
	<p><a href="#">Aigo S55 Sport Bluetooth Headset User Manual and Specifications</a></p> <p>Comprehensive user manual for the Aigo S55 Sport Bluetooth Headset, detailing features, pairing instructions, controls, safety warnings, and FCC compliance information.</p>
	<p><a href="#">Aigo AR12 Series Chassis Fan Installation Guide</a></p> <p>Comprehensive installation guide for the Aigo AR12 Series 120mm RGB chassis fan. Learn how to connect the control box, use the remote control, and understand accessory components for optimal PC cooling.</p>
	<p><a href="#">Aigo M301 MP3 Player User Manual</a></p> <p>User manual for the Aigo M301 MP3 Player, detailing its features, operations, specifications, and troubleshooting. Learn how to play music, read ebooks, use FM radio, and connect via Bluetooth.</p>
	<p><a href="#">Aigo M33 Wireless Mouse User Manual</a></p> <p>User manual for the Aigo M33 wireless mouse, detailing features, setup, and technical specifications.</p>