aigo ACSE360-WH

aigo AC SE 360 Water Cooler Instruction Manual

Model: ACSE360-WH

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your aigo AC SE 360 All-in-One (AIO) Liquid CPU Cooler. Please read this manual thoroughly before installation to ensure proper setup and optimal performance.

SAFETY INFORMATION

- Ensure your computer is powered off and unplugged from the wall outlet before installation.
- Handle components with care to avoid damage.
- Refer to your motherboard manual for specific CPU socket and fan header locations.
- Do not attempt to open the pump or radiator as this may void the warranty and cause leaks.
- Keep out of reach of children.

PACKAGE CONTENTS

Verify that all components are present before beginning installation.

- aigo AC SE 360 Radiator with Integrated Pump/Water Block
- 3 x 120mm Cooling Fans
- Mounting Hardware for Intel Sockets (LGA 2066/2011-V3/2011/1700/1366/1200/115X)
- Mounting Hardware for AMD Sockets (FM1/FM2/FM2+/AM2/AM2+/AM3/AM3+/AM4)
- Thermal Paste (pre-applied or in a tube)
- Fan Screws and Radiator Screws
- User Manual (this document)

SPECIFICATIONS

Model	ACSE360-WH
Socket Compatibility	Intel: LGA 2066/2011-V3/2011/1700/1366/1200/115X AMD: FM1/FM2/FM2+/AM2/AM2+/AM3/AM3+/AM4
Water Block Dimensions	71 x 66 x 45 mm
Tube Length	440 mm
Pump Speed	3200 ± 10% RPM
Pump Voltage	12V
Bearing Type	Ceramic
Radiator Dimensions	394 x 120 x 27 mm
Fan Dimensions	120 x 120 x 25 mm
Fan Speed	800 ~ 1800 ± 10% RPM
Rated Fan Voltage	12V
Fan Air Flow	64.05 CFM
Fan Noise Level	30 dBA ± 10%
Static Fan Pressure	1.85 mmH2O
Item Weight	4.75 pounds

SETUP AND INSTALLATION

This section guides you through the installation process of the aigo AC SE 360 liquid cooler. Ensure your system is powered off and unplugged before proceeding.

1. Prepare the Radiator and Fans

Attach the three 120mm fans to the radiator using the provided long screws. Ensure the fan airflow direction is appropriate for your case's cooling strategy (typically pushing air through the radiator and out of the case, or pulling air in).

Image: Top-down view of the radiator with fans installed. This shows the orientation of the fans on the radiator.

Image: Angled rear view of the assembled cooler, highlighting the fans and radiator structure.

2. Install the Radiator in the PC Case

Mount the assembled radiator and fan unit into your PC case. Common mounting locations include the top or front of the case. Use the shorter screws provided to secure the radiator to the case's fan mounts. Ensure there is adequate clearance for the tubes and other components.
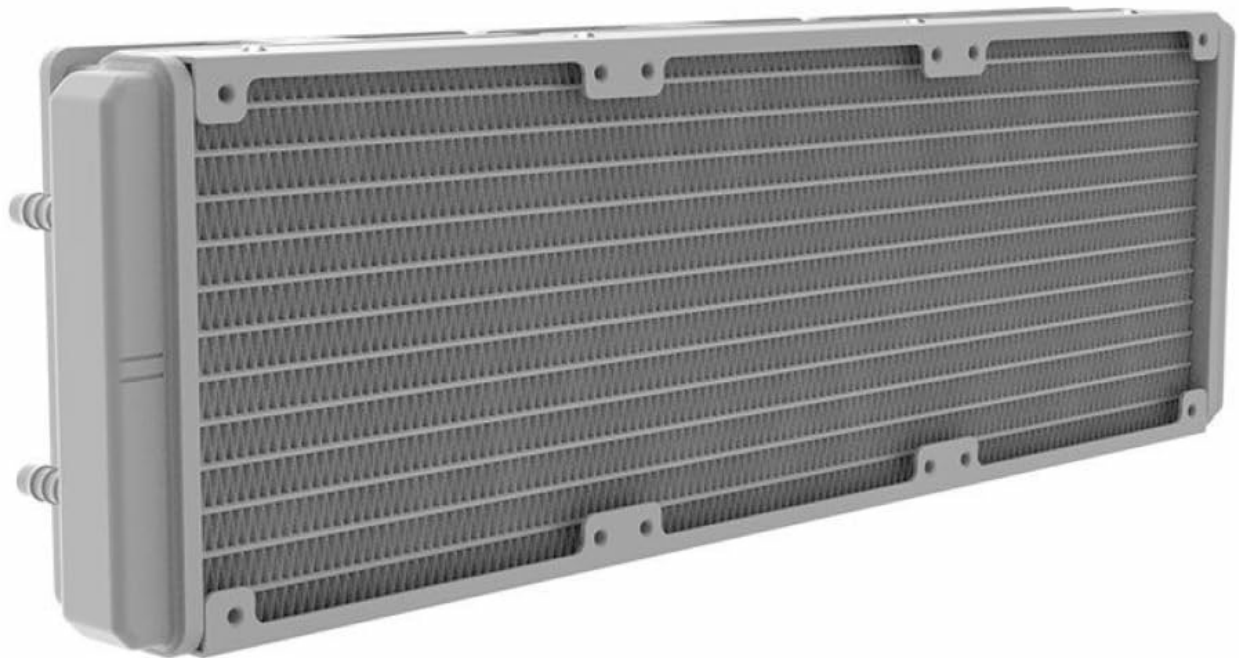
Image: Detail of the radiator fins and mounting points, useful for understanding case installation.

3. Prepare the CPU Socket

Select the appropriate mounting bracket for your CPU socket (Intel or AMD). Attach the backplate (if required for your socket type) to the rear of the motherboard. Install the standoffs onto the motherboard around the CPU socket.

4. Install the Water Block/Pump

Ensure the CPU surface is clean. If thermal paste is not pre-applied to the water block, apply a small pea-sized amount to the center of your CPU's integrated heat spreader (IHS). Carefully place the water block onto the CPU, aligning it with the standoffs. Secure the water block with the provided thumb screws or nuts, tightening them in a diagonal pattern until snug. Do not overtighten.

Image: Side view of the pump/water block, illustrating its compact design.

Image: Angled view of the complete cooler assembly, showing the connection between the pump and radiator.

5. Connect Cables

- Connect the pump's power cable to a dedicated AIO_PUMP or CPU_FAN header on your motherboard. Consult your motherboard manual for the correct header.

- Connect the fan cables to the CPU_FAN header or a dedicated fan controller/hub. If your fans have RGB lighting, connect the RGB cables to a compatible RGB header on your motherboard or an RGB controller.

- Ensure all cables are routed neatly and do not interfere with other components or airflow.

Image: Front view of the cooler with RGB lighting, demonstrating the aesthetic appearance after installation and power connection.

OPERATING INSTRUCTIONS

Once installed, the aigo AC SE 360 operates automatically. The pump and fans will adjust their speed based on CPU temperature, managed by your motherboard's BIOS/UEFI settings or dedicated software.

- **Initial Power On:** After installation, power on your computer. Monitor CPU temperatures using system monitoring software to ensure proper function.
- **BIOS/UEFI Settings:** Access your motherboard's BIOS/UEFI to verify that the CPU_FAN header (or AIO_PUMP header) is set to PWM mode and that fan curves are configured for optimal cooling and noise levels.
- **RGB Control:** If your motherboard supports RGB synchronization, use its software to customize the lighting effects of the fans and pump.

MAINTENANCE

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

- **Dust Cleaning:** Periodically clean dust from the radiator fins and fan blades using compressed air or a soft brush. Dust accumulation can impede airflow and reduce cooling efficiency.
- **Tube Inspection:** Occasionally inspect the tubes for any signs of kinks, leaks, or damage.
- **Fan Check:** Ensure all fans are spinning freely and quietly. If a fan becomes noisy or stops spinning, it may need replacement.
- **Pump Check:** Listen for any unusual noises from the pump. A constant, low hum is normal, but grinding or gurgling sounds may indicate an issue.

TROUBLESHOOTING

Problem	Possible Cause	Solution
High CPU Temperatures	○ Improper water block contact ○ Insufficient thermal paste ○ Fans not spinning or spinning too slowly ○ Pump not functioning ○ Dust buildup on radiator	○ Re-seat water block, ensure even pressure. ○ Reapply thermal paste. ○ Check fan connections and BIOS settings. ○ Check pump connection to motherboard. ○ Clean radiator fins.
Fans Not Spinning / RGB Not Lighting Up	○ Loose cable connections ○ Incorrect fan header connection ○ Software/BIOS settings	○ Verify all fan and RGB cables are securely connected. ○ Ensure fans are connected to appropriate headers (CPU_FAN, SYS_FAN). ○ Check BIOS/UEFI for fan speed control and RGB software for lighting settings.
Unusual Pump Noise (Gurgling, Grinding)	○ Air trapped in the pump ○ Pump malfunction	○ Orient the radiator higher than the pump if possible, or gently tilt the PC case to help air bubbles move to the radiator. ○ If noise persists, contact customer support.

WARRANTY AND SUPPORT

aigo products are designed for reliability and performance. For warranty information, technical support, or replacement parts, please refer to the official aigo website or contact your retailer.

Official Website: www.aigo.com (*Note: This is a placeholder URL. Please refer to your product packaging or official documentation for the correct support website.*)

Please have your product model number (ACSE360-WH) and purchase date ready when contacting support.