Corsair CW-9060093-WW

CORSAIR Nautilus 360 RS ARGB Liquid CPU Cooler User Manual

Model: CW-9060093-WW

1. Introduction

The CORSAIR Nautilus 360 RS ARGB Liquid CPU Cooler is an all-in-one (AIO) liquid cooling solution designed to provide efficient and low-noise cooling for your CPU. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and longevity of your cooler.

Image 1.1: Overview of the CORSAIR Nautilus 360 RS ARGB Liquid CPU Cooler, showcasing the radiator, three ARGB fans, and the pump/cold plate assembly.

2. Package Contents

Verify that all components are present before beginning installation. The package should contain:

- CORSAIR Nautilus 360 RS ARGB Liquid CPU Cooler (Radiator, Pump, and Tubing)
- 3x CORSAIR RS120 ARGB Fans
- Mounting hardware for Intel LGA 1851/1700 sockets

- Mounting hardware for AMD AM5/AM4 sockets
- Fan and radiator mounting screws
- Wire extensions for fan and ARGB connections
- Pre-applied thermal paste on the cold plate

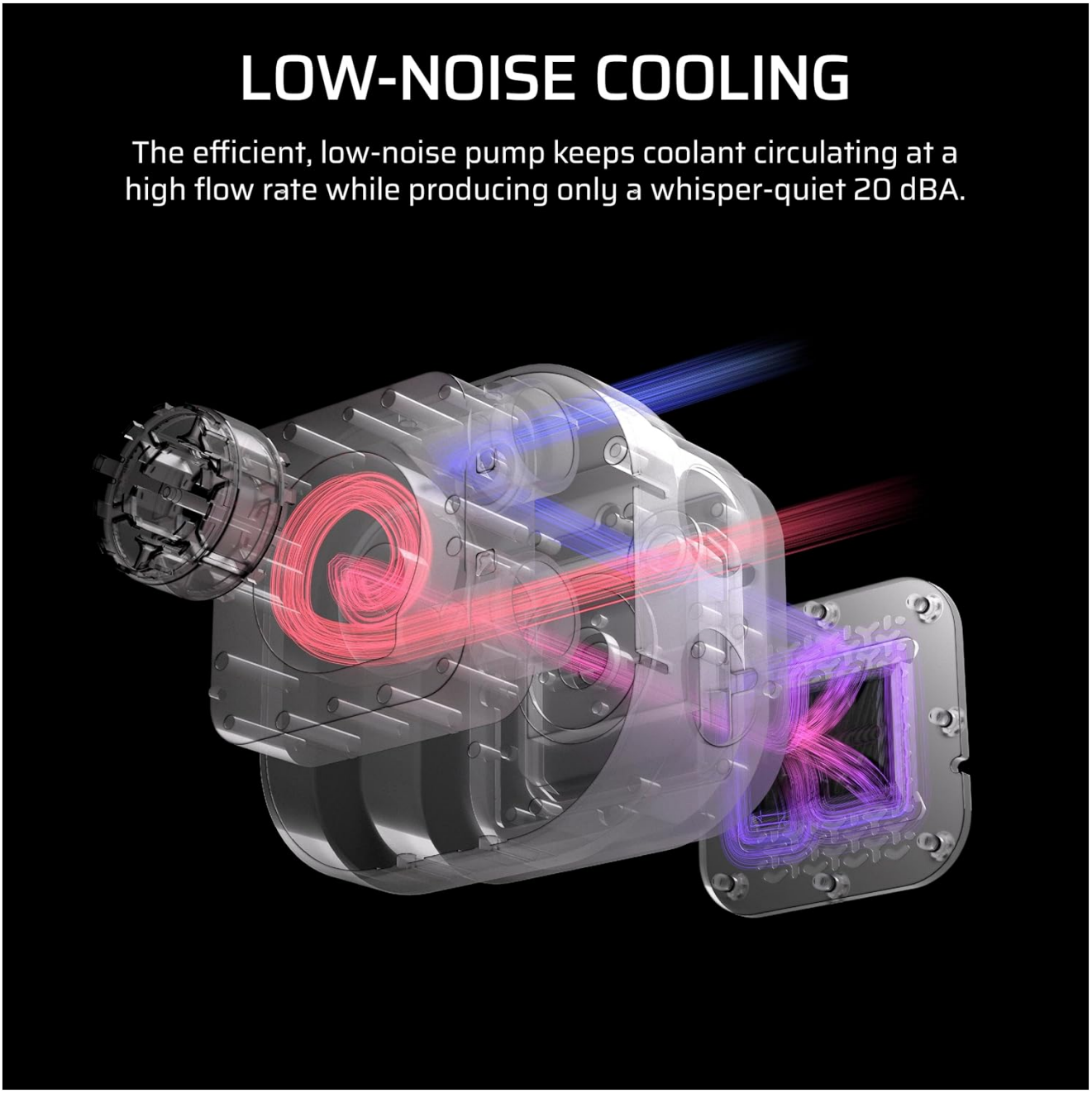

Image 2.1: The CORSAIR Nautilus 360 RS ARGB Liquid CPU Cooler shown with its complete set of mounting brackets, screws, and accessories for various CPU sockets.

3. Setup and Installation

Follow these steps to install your CORSAIR Nautilus 360 RS ARGB Liquid CPU Cooler. Ensure your system is powered off and unplugged before installation.

3.1. Prepare the CPU Socket

1. Identify your CPU socket type (Intel LGA 1851, LGA 1700, or AMD AM5, AM4).
2. Select the appropriate mounting bracket and backplate from the package contents.
3. Install the backplate onto the motherboard from the rear, aligning it with the CPU socket holes.

4. Secure the standoffs to the front of the motherboard through the backplate.

3.2. Install the Radiator and Fans

1. Attach the three RS120 ARGB fans to the radiator using the provided fan screws. Ensure the fan airflow direction is appropriate for your case's cooling configuration (typically pushing air through the radiator or pulling air from it).
2. Mount the radiator assembly into your PC case. Common mounting locations include the top, front, or rear of the case, depending on available space and radiator size.

Image 3.1: The CORSAIR Nautilus 360 RS ARGB Liquid CPU Cooler mounted inside a computer case, demonstrating fan and radiator placement.

3.3. Mount the Pump/Cold Plate

1. The cold plate comes with pre-applied thermal paste. Handle the cold plate carefully to avoid disturbing the paste. If the paste is damaged or removed, apply a thin, even layer of new thermal paste before proceeding.
2. Align the pump assembly with the standoffs on the motherboard.
3. Place the pump onto the CPU, ensuring proper contact.
4. Secure the pump to the standoffs using the appropriate thumb screws or nuts, tightening them in a diagonal

pattern until snug. Do not overtighten.

Image 3.2: A detailed view of the cooler's cold plate, highlighting the pre-applied thermal paste for direct CPU contact.

3.4. Connect Cables

1. **Fan Connections:** Daisy-chain the RS ARGB fans together. Connect the final fan in the chain to a single 4-pin PWM fan header on your motherboard.
2. **ARGB Connections:** Connect the ARGB cable from the daisy-chained fans to a +5V ARGB header on your motherboard.
3. **Pump Power:** Connect the pump's 3-pin power cable to an available fan header on your motherboard (often labeled "AIO_PUMP" or "CPU_OPT"). Ensure this header is set to deliver full power in your motherboard's BIOS for optimal pump performance.

Image 3.3: Illustration of how to connect the RS ARGB fans in a daisy-chain configuration to a single PWM fan header and a +5V ARGB header on the motherboard.

For advanced control over your fans and pump, an optional CORSAIR iCUE controller (sold separately) can be used.

4. Operating Instructions

Once installed, the CORSAIR Nautilus 360 RS ARGB Liquid CPU Cooler operates automatically based on your motherboard's fan control settings and the pump's constant power supply.

4.1. Fan Speed Control

- The RS120 ARGB fans support PWM control, allowing for precise speed adjustments between 420 and 2,100 RPM.
- Fan speeds can be configured through your motherboard's BIOS/UEFI settings or compatible third-party software.
- The cooler supports Zero RPM mode, where fans can stop entirely at low temperatures to eliminate fan noise completely during light loads.

Image 4.1: Detail of an RS120 ARGB fan, illustrating its PWM control range and CORSAIR AirGuide Technology for concentrated cooling.

4.2. ARGB Lighting Control

- The integrated ARGB LEDs on the pump head and fans can be controlled via your motherboard's ARGB software (e.g., ASUS Aura Sync, MSI Mystic Light, GIGABYTE RGB Fusion, ASRock Polychrome Sync).
- Ensure your motherboard's ARGB header is enabled and configured correctly in its software or BIOS.

Image 4.2: An internal view of the fan's magnetic dome bearings, which contribute to quiet operation by reducing friction.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your liquid CPU cooler.

- **Dust Removal:** Periodically clean dust from the radiator fins and fan blades using compressed air. Excessive dust can impede airflow and reduce cooling efficiency.
- **Cable Management:** Ensure all cables are securely connected and routed to prevent interference with fan operation or other components.
- **Visual Inspection:** Occasionally inspect the tubing and connections for any signs of leaks or damage. While rare, early detection can prevent potential issues.
- **Thermal Paste:** The pre-applied thermal paste is designed for long-term use. Reapplication is generally only necessary if the cooler is removed from the CPU.

6. Troubleshooting

If you encounter issues with your CORSAIR Nautilus 360 RS ARGB Liquid CPU Cooler, refer to the following common troubleshooting tips:

- **High CPU Temperatures:**
    - Verify that the pump is receiving power and operating (check BIOS/UEFI for pump speed).

- Ensure fans are spinning and correctly oriented for airflow.
- Check for dust buildup on the radiator.
- Confirm proper contact between the cold plate and CPU.

- **Fans Not Spinning or ARGB Not Lighting Up:**
  - Check all fan and ARGB cable connections to the motherboard.
  - Ensure the 4-pin PWM fan header and +5V ARGB header on your motherboard are enabled and configured correctly in BIOS/UEFI or software.
  - Confirm that the fans are not in Zero RPM mode if temperatures are high enough to warrant fan activity.
- **Unusual Noise:**
  - Inspect fans for any obstructions or loose cables.
  - Ensure the pump is securely mounted and not vibrating against other components.
  - While the pump is designed for low noise (20 dBA), slight gurgling sounds upon initial startup are normal as air settles. These should dissipate.

If issues persist, consult the CORSAIR support website or contact customer service for further assistance.

7. Specifications

Brand	Corsair
Model Number	CW-9060093-WW
Cooling Method	Water
Radiator Size	360mm
Fan Type	RS120 ARGB Fans
Fan Speed Range	420-2,100 RPM (with PWM Control)
Pump Noise Level	20 dBA
Compatible CPU Sockets	Intel LGA 1851, LGA 1700; AMD AM5, AM4
Material	Aluminium, Copper
Power Connector Type	4-Pin (Fan), 3-Pin (Pump)
Voltage	12 Volts
Product Dimensions (LxWxH)	15.59 x 4.72 x 1.06 inches
Item Weight	3.53 pounds

8. Warranty and Support

For warranty information and technical support, please visit the official CORSAIR website or contact their customer service department. Keep your proof of purchase for warranty claims.
CORSAIR Support: www.corsair.com/support