Corsair CW-9060089-WW

CORSAIR Nautilus 360 RS Liquid CPU Cooler

Instruction Manual

Brand: Corsair

Model: CW-9060089-WW

Product Overview

The CORSAIR NAUTILUS RS Liquid CPU Cooler is engineered to provide efficient, low-noise cooling for your CPU. It features straightforward connectivity, allowing direct plug-in to your motherboard without requiring an additional controller.

Key features include:

- **Simple, High-Performance All-in-One CPU Cooling:** Renowned CORSAIR engineering delivers strong, low-noise cooling that helps your CPU reach its full potential.
- **Efficient, Low-Noise Pump:** Keeps your coolant circulating at a high flow rate while generating a whisper-quiet 20 dBA.
- **Convex Cold Plate with Pre-Applied Thermal Paste:** The slightly convex shape ensures maximum contact with your CPU's integrated heat spreader, with thermal paste applied in an optimised pattern to speed up installation.
- **RS120 Fans:** RS fans create strong airflow with the high static pressure necessary to drive air through the radiator. CORSAIR AirGuide technology and Magnetic Dome bearings ensure great cooling performance and low noise.
- **Easy Daisy-Chained Connections:** Reduce the wiring in your system by daisy-chaining your RS fans and connecting them to a single 4-pin PWM fan header on your motherboard.
- **Wide Compatibility:** Supports a wide range of Intel® and AMD® CPU sockets, including LGA 1851, LGA 1700, AM5, and AM4.

Image: The CORSAIR Nautilus 360 RS Liquid CPU Cooler with its radiator, pump, and tubing.

Setup and Installation

The Nautilus RS cooler is designed for straightforward installation. Follow these steps for a successful setup:

1. Unboxing and Component Identification

Ensure all components are present as shown in the diagram. This includes the radiator with integrated pump, RS120 fans, mounting hardware for Intel and AMD sockets, and daisy-chain cables.

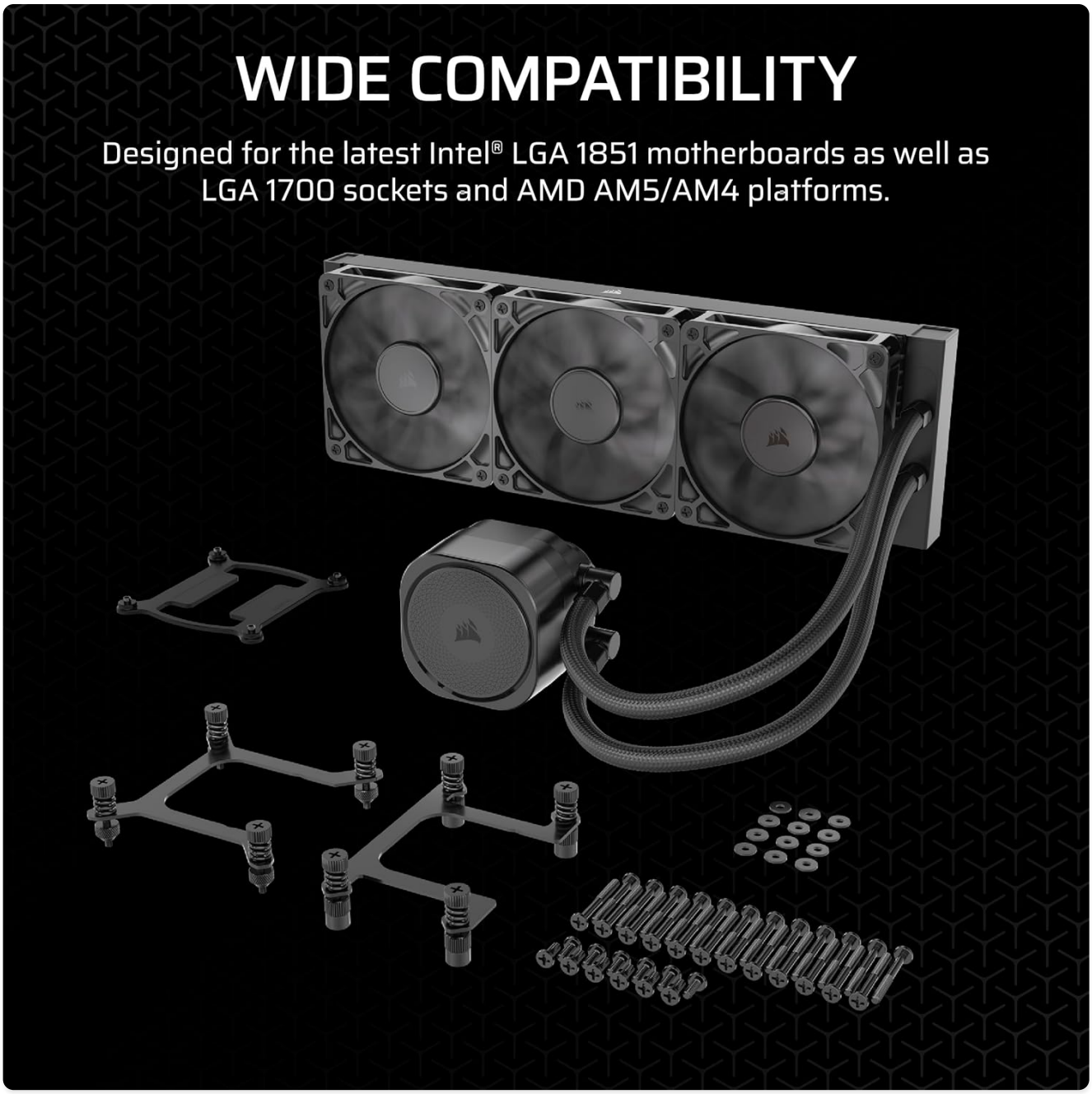

Image: All components included with the CORSAIR Nautilus 360 RS Liquid CPU Cooler, including mounting hardware for various CPU sockets.

2. Fan and Radiator Assembly

Attach the RS120 fans to the radiator using the provided screws. The fans are designed for easy daisy-chaining, reducing cable clutter. Connect the power and RGB connectors from one fan to the next.

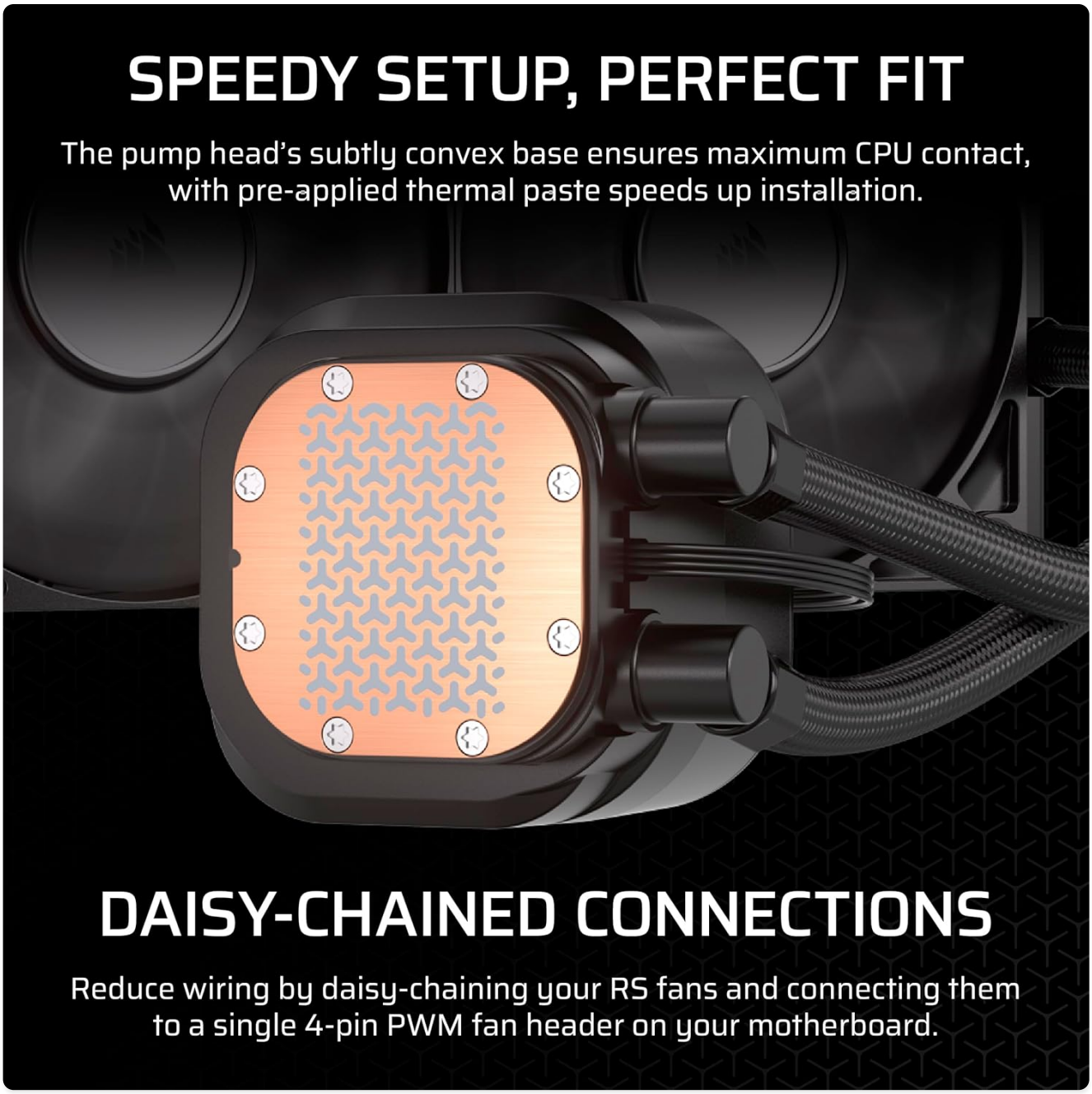

Image: Close-up of the pump head with pre-applied thermal paste and daisy-chained fan connections.

3. Pump Installation

The pump features a slightly convex cold plate with pre-applied thermal paste for optimal CPU contact. Select the appropriate mounting bracket for your Intel (LGA 1851/1700) or AMD (AM5/AM4) socket and secure the pump to your motherboard.

The pump also has its own cables for power and RGB. These can be daisy-chained with the fans and connected directly to your motherboard's 4-pin PWM fan header and 5V RGB header.

4. Radiator Mounting in Chassis

Mount the radiator assembly in your PC chassis. Common mounting locations include the top or side panels. Ensure adequate clearance for other components, especially RAM modules.

Image: The CORSAIR Nautilus 360 RS Liquid CPU Cooler installed in a PC case, showcasing its integration with other components.

Operating the Cooler

The CORSAIR Nautilus RS is designed for efficient and quiet operation, with control primarily managed through your motherboard's BIOS and compatible software.

Fan and Pump Control

The RS120 fans and pump are controlled via a 4-pin PWM fan header on your motherboard. This allows for precise control over fan speed (420-2,100 RPM) and pump operation, ensuring optimal cooling performance while minimizing noise. The pump operates at a whisper-quiet 20 dBA.

Image: Close-up of an RS120 fan highlighting CORSAIR AirGuide Technology for concentrated cooling.

Image: Diagram illustrating the quiet operation of the fan due to Magnetic Dome bearings.

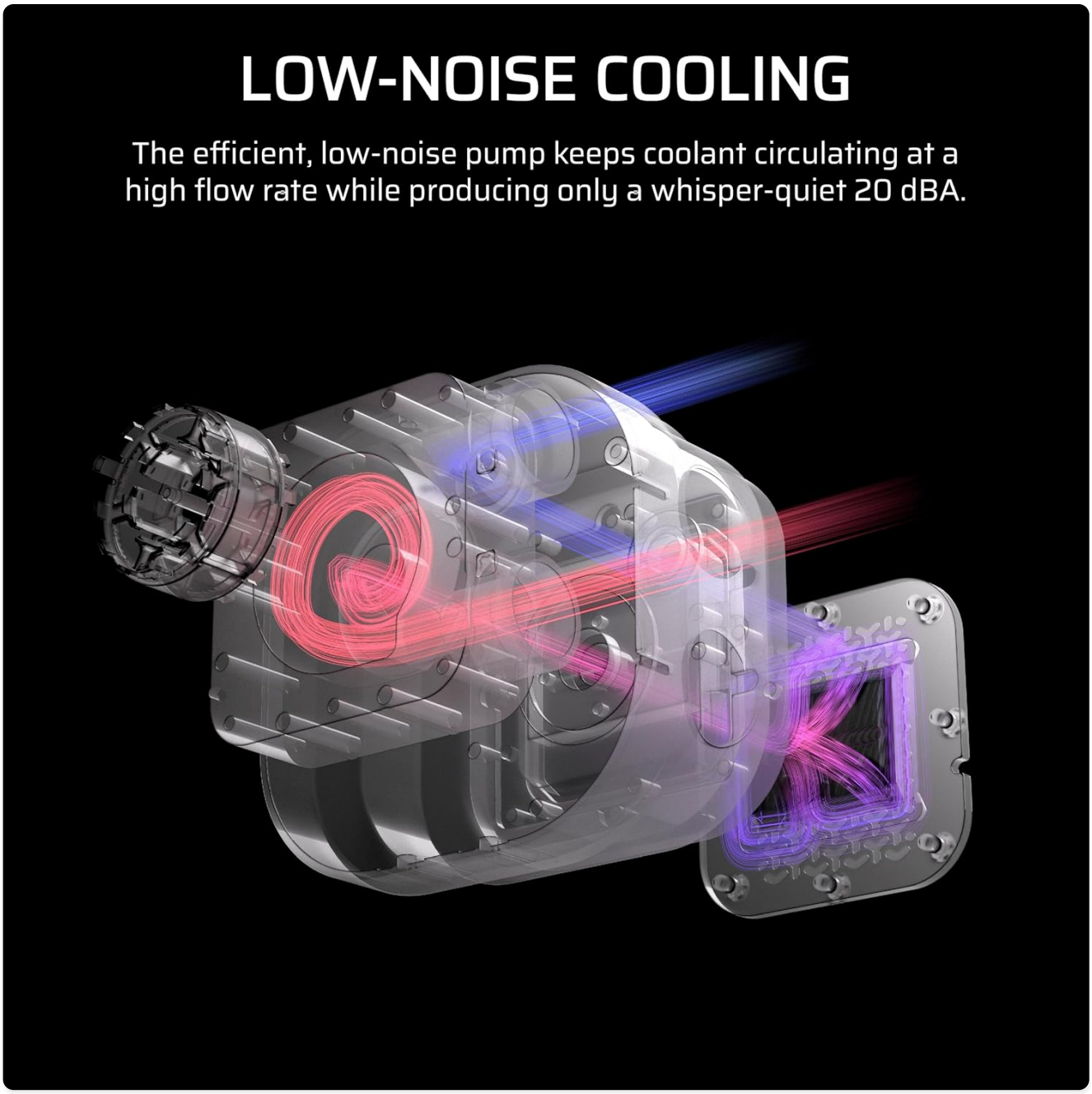

Image: Visual representation of the low-noise pump circulating coolant.

RGB Lighting Control

The RGB lighting of the fans and pump can be controlled directly through your motherboard's RGB software or third-party applications like SignalRGB. This allows for extensive customization of lighting effects to match your system's aesthetic.

For more advanced control, an optional iCUE controller and adapter cable (sold separately) can be used, integrating the cooler into the CORSAIR iCUE ecosystem.

Maintenance

To ensure optimal performance and longevity of your CORSAIR Nautilus RS Liquid CPU Cooler, regular maintenance is recommended:

- **Dust Removal:** Periodically clean dust from the radiator fins and fan blades using compressed air. Accumulated dust can impede airflow and reduce cooling efficiency.
- **Cable Management:** Ensure all cables are neatly routed and secured to prevent interference with fan blades or other components.
- **System Monitoring:** Utilize monitoring software to keep track of CPU temperatures and fan speeds. This helps identify any potential issues early.
- **Pump Orientation:** For optimal longevity, ensure the pump is not the highest point in the loop to prevent air bubbles from accumulating in the pump, which can lead to noise and reduced performance. Side mounting the radiator with tubes at the bottom is often preferred.

Troubleshooting

If you encounter issues with your CORSAIR Nautilus RS Liquid CPU Cooler, consider the following:

- **High CPU Temperatures:**
  - Verify proper installation of the pump on the CPU, ensuring good contact and even pressure.
  - Check fan connections and ensure they are spinning correctly. Adjust fan curves in BIOS or software if necessary.
  - Ensure adequate airflow within your PC case.
- **Excessive Noise:**
  - Adjust fan and pump speeds in your motherboard's BIOS or control software to a quieter profile.
  - Check for any cables or obstructions hitting fan blades.
  - Ensure the pump is not the highest point in the loop to prevent air bubbles from causing noise.
- **RGB Lighting Issues:**
  - Confirm all RGB connections are secure and correctly plugged into the motherboard's 5V ARGB header.
  - Ensure your motherboard's RGB software or third-party software (e.g., SignalRGB) is up-to-date and correctly configured.

Specifications

Feature	Detail
Brand	Corsair
Model Number	CW-9060089-WW
Cooling Method	Water
Radiator Size	360mm

Feature	Detail
Fan Type	RS120 (3x included)
Noise Level (Pump)	20 dBA
Compatible Sockets	Intel LGA 1851/1700, AMD AM5/AM4
Power Connector Type	4-Pin PWM
RGB Control	Direct Motherboard Connection (5V ARGB)
Pre-Applied Thermal Paste	Yes
Product Dimensions	15.59 x 4.72 x 1.06 inches
Item Weight	3.51 pounds

Warranty and Support

The CORSAIR Nautilus 360 RS Liquid CPU Cooler comes with a**5-year warranty** from the purchase date, ensuring long-term reliability and peace of mind.

For technical support, troubleshooting assistance, or warranty claims, please visit the official Corsair support website or their brand store:

- Visit the Corsair Store on Amazon