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> NZXT Kraken Z73 360mm Liquid Cooler Instruction Manual

NZXT RL-KRZ73-01

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Model: RL-KRZ73-01

PRODUCT OVERVIEW

The NZXT Kraken Z73 360mm is an all-in-one (AIO) liquid cooling solution designed for CPUs. It features a 360mm radiator, three AER P 120mm fans, and a pump with a customizable 2.36-inch LCD display. This cooler is managed via the NZXT CAM software, allowing for performance adjustments and personalized visual effects.

Key features include:

- Bright 2.36-inch LCD display capable of showing 24-bit colors for CPU cooling customization.
- Intuitive CAM software for system monitoring and performance management.
- Aer P radiator fans designed for maximum cooling efficiency with quiet operation and durability.
- Radiator constructed from aluminum, with low-evaporation rubber tubing featuring braided nylon sleeves.



Image: The complete NZXT Kraken Z73 360mm liquid cooler assembly, showcasing the radiator, fans, and the pump with its integrated LCD display.

SETUP AND INSTALLATION

Before installation, ensure your system is powered off and disconnected from the power source. Refer to your motherboard and PC case manuals for specific mounting locations and clearances.

Compatible Sockets:

- **Intel:** LGA 1151, 1150, 1155, 1156, 1366, 2011, 2011-3, 2066
- **AMD:** AM4, TR4

General Installation Steps:

1. **Prepare the CPU:** Ensure the CPU is correctly seated in its socket. The Kraken Z73 comes with pre-applied thermal paste on the cold plate, eliminating the need for manual application.
2. **Install Mounting Bracket:** Attach the appropriate mounting bracket for your CPU socket to the pump unit.
3. **Mount Radiator Fans:** Secure the three AER P 120mm fans to the radiator using the provided screws. Ensure the fan airflow direction is appropriate for your case's cooling strategy (intake or exhaust).
4. **Install Radiator:** Mount the radiator assembly to an available fan mounting location in your PC case (e.g., top, front, or rear).
5. **Attach Pump to CPU:** Carefully place the pump unit onto the CPU, aligning the mounting holes, and secure it with the provided thumb screws or fasteners.
6. **Connect Cables:** Connect the pump's power, USB, and fan cables to the appropriate headers on your motherboard and power supply. Refer to the detailed wiring diagram in the official user guide for precise connections.

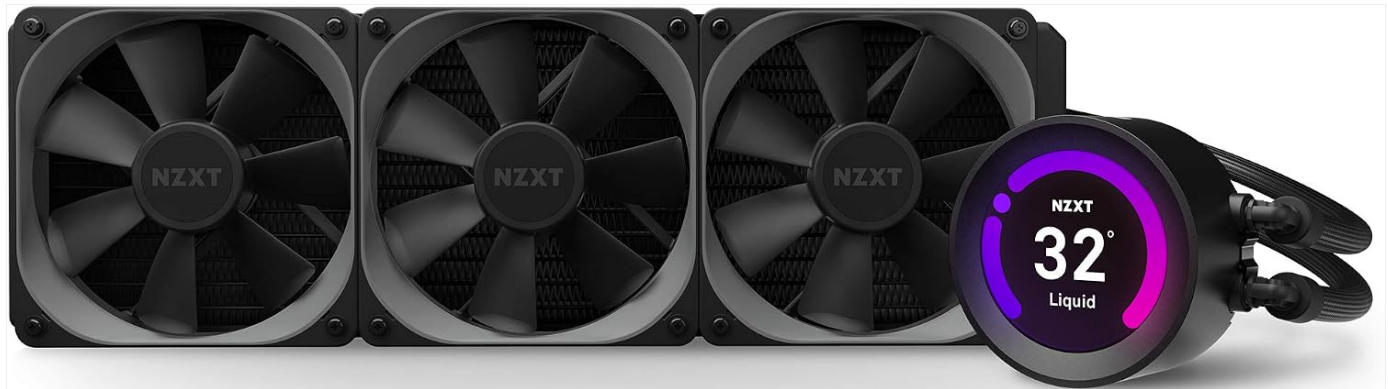


Image: The 360mm radiator with three AER P 120mm fans attached, ready for installation into a PC case.

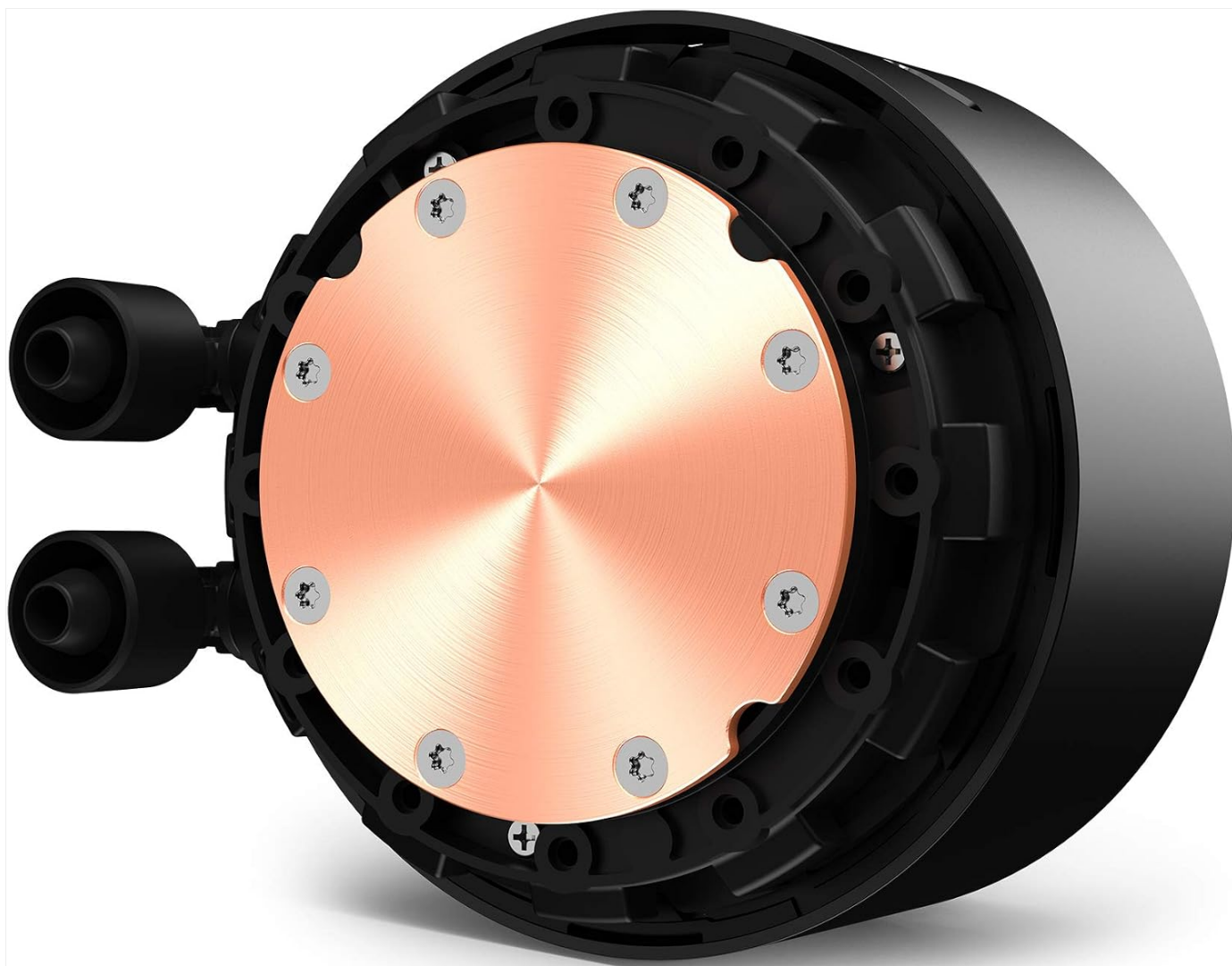


Image: A close-up view of the copper cold plate on the pump unit, which makes direct contact with the CPU for heat transfer.

OPERATION

Once installed and powered on, the Kraken Z73 operates to cool your CPU. The integrated LCD display and CAM software provide extensive control and monitoring capabilities.

NZXT CAM Software:

The NZXT CAM software is essential for unlocking the full potential of your Kraken Z73. Download and install the latest version from the official NZXT website (www.nzxt.com/cam).

- **Monitoring:** View real-time CPU temperatures, pump speed, and fan speeds.
- **Performance Control:** Adjust pump and fan curves to optimize for quiet operation or maximum cooling performance.
- **LCD Customization:** Personalize the 2.36-inch LCD display to show system information (like CPU/GPU temperature), custom images, or animated GIFs.
- **RGB Control:** Manage any connected RGB lighting components.

Fan and Pump Operation:

The AER P fans are designed for high static pressure and quiet operation. The pump continuously circulates coolant through the system. Optimal performance is achieved when fan and pump speeds are configured to match your system's thermal load, typically managed through the CAM software's profiles.



Image: The pump unit of the Kraken Z73, featuring the customizable LCD display showing a temperature reading.



Image: A close-up of the Kraken Z73 pump's LCD screen, displaying the NZXT logo, highlighting its customization capabilities.

The NZXT Kraken Z73 is a closed-loop system, requiring minimal maintenance. However, periodic checks can ensure optimal performance and longevity.

- **Dust Cleaning:** Regularly inspect and clean the radiator fins and fan blades to prevent dust buildup. Dust can impede airflow and reduce cooling efficiency. Use compressed air or a soft brush.
- **Cable Management:** Ensure all cables are securely connected and not obstructing airflow within the case.
- **Software Updates:** Keep the NZXT CAM software updated to the latest version to benefit from performance improvements, bug fixes, and new features.
- **Visual Inspection:** Periodically check the tubing for any signs of wear or damage, although leaks are rare in AIO systems.

TROUBLESHOOTING

If you encounter issues with your Kraken Z73, consider the following troubleshooting steps:

- **High CPU Temperatures:**
 - Verify that the pump is running and connected correctly.
 - Check fan connections and ensure they are spinning.
 - Ensure the radiator and fans are free of dust.
 - Confirm the pump cold plate has proper contact with the CPU. Re-seating the pump might be necessary if thermal paste application was uneven.
 - Check CAM software settings for fan and pump curves; ensure they are set appropriately for your workload.
- **Pump Noise:**
 - Some pump noise is normal, but excessive noise might indicate air bubbles. Orient the radiator and pump to allow air to settle at the highest point of the radiator, away from the pump intake.
 - Adjust pump speed in CAM software to a lower setting if noise is a concern and temperatures allow.
- **LCD Display Not Working/Displaying Incorrectly:**
 - Ensure the USB cable from the pump is securely connected to a motherboard USB 2.0 header.
 - Restart the CAM software or your computer.
 - Update CAM software to the latest version.
 - Check for any driver conflicts or Windows updates that might affect USB device recognition.
- **Fans Not Spinning:**
 - Verify fan connections to the pump or motherboard headers.
 - Check fan speed settings in CAM software or BIOS.

For further assistance, refer to the official NZXT support resources or contact customer service.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model	RL-KRZ73-01
Radiator Dimensions (L x W x H)	394mm x 121mm x 27mm (approx. 50L x 15l x 20H cm for product package)

Radiator Material	Aluminum
Tube Material	Ultra-low evaporation rubber with nylon braided sleeve
Fan Model	AER P 120mm (3 included)
Fan Speed	800 - 2800 RPM (Max 1500 RPM listed in specs, typical range for AER P 120mm is higher)
Fan Noise Level	21 dBA (typical, varies with speed)
Pump Speed	800 - 2800 RPM (variable via CAM)
Pump Voltage	12 Volts
Pump Power Consumption	3.84 Watts
CPU Socket Compatibility	Intel: LGA 1151, 1150, 1155, 1156, 1366, 2011, 2011-3, 2066; AMD: AM4, TR4
LCD Display	2.36-inch, 24-bit color, customizable
Weight	2.21 Kilograms

WARRANTY INFORMATION

The NZXT Kraken Z73 360mm Liquid Cooler (Model RL-KRZ73-01) comes with a **6-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the official NZXT warranty policy available on their website.

SUPPORT

For additional support, technical assistance, or to download the latest CAM software and drivers, please visit the official NZXT support website:

[NZXT Support Website](#)

You can also find frequently asked questions (FAQs), product manuals, and contact information for customer service on their website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question