NZXT RL-KRZ73-RW

NZXT Kraken Z73 RGB White Liquid Cooler Instruction Manual

Model: RL-KRZ73-RW | Brand: NZXT

1. PRODUCT OVERVIEW

The NZXT Kraken Z73 RGB White is an all-in-one (AIO) liquid cooler designed for high-performance CPU cooling. It features a 360mm radiator, three Aer RGB 2 fans, and a pump with a customizable 2.36-inch LCD display. This cooler allows users to monitor system information, display custom images, or animated GIFs through the NZXT CAM software interface, providing both efficient cooling and aesthetic personalization.

Key Features:

- **Customizable LCD Display:** A bright, 2.36-inch LCD screen on the pump allows for personalized display of 24-bit color images, GIFs, or system information.

- **NZXT CAM Software Integration:** Fine-tune settings, manage performance, and customize the appearance of your Kraken cooler with an intuitive software interface.

- **Superior Cooling Performance:** Equipped with a chamfered intake and fluid dynamic bearings, the Aer RGB 2 fans deliver quiet operation, long-term reliability, and powerful cooling.

- **Simple Installation:** The pump's fully programmable display can be rotated to align with your motherboard's orientation without affecting the logo or image direction.

- **Vivid RGB Lighting:** Included Aer RGB 2 fans provide dramatic lighting effects to complement your system build.

2. WHAT'S IN THE BOX

Verify that all components are present before beginning installation.

- NZXT Kraken Z73 RGB Liquid Cooler (Pump and Radiator Assembly)

- 3x Aer RGB 2 120mm Fans

- Mounting Hardware for Intel (LGA 1700, 1200, 115X, 2011, 2066) and AMD (AM5, AM4, TR4) Sockets

- Fan and RGB Controller

- USB Cable for CAM Software Connectivity

- Power Cables and Fan Splitter Cables
- Pre-applied Thermal Paste (on cold plate)

3. SETUP AND INSTALLATION

Follow these general steps for installing your NZXT Kraken Z73 RGB liquid cooler. Refer to your motherboard and PC case manuals for specific mounting locations and clearances.

1. **Prepare the Motherboard:** Install the appropriate backplate and standoffs for your CPU socket type (Intel or AMD).

2. **Mount the Radiator and Fans:** Attach the three Aer RGB 2 fans to the 360mm radiator using the provided screws. Ensure the fan orientation is correct for desired airflow (intake or exhaust). Mount the radiator assembly to an available fan mount in your PC case (typically top or front).

Image: The NZXT Kraken Z73 RGB White liquid cooler, showing the 360mm radiator and the pump with its LCD display.

3. **Install the Pump/Cold Plate:** Carefully place the pump/cold plate assembly onto your CPU, aligning it with the standoffs. The Kraken Z series pump features a rotatable display, allowing you to adjust its orientation after installation to ensure the logo or image is upright.

GET ORIENTED

The Kraken Z display is digitally rotatable for easier installation.

Image: The Kraken Z series pump head, illustrating its digitally rotatable display for easier installation and aesthetic alignment.

4. **Secure the Pump:** Use the provided thumb screws or nuts to secure the pump to the motherboard, ensuring even pressure.

5. **Connect Cables:** Connect the pump's power cable, USB cable, and fan cables to the appropriate headers on your motherboard and the included fan/RGB controller. Ensure all connections are secure.

VIVID AND SILENT

The Aer RGB radiator fans are quiet, durable, and provide powerful cooling performance.

Image: An Aer RGB radiator fan, highlighting its quiet operation and powerful cooling performance with vivid lighting.

Note: No official seller videos demonstrating installation were available. Please refer to the written instructions and diagrams for guidance.

4. OPERATING THE COOLER AND LCD DISPLAY

The NZXT Kraken Z73 RGB's full functionality is managed through the NZXT CAM software.

1. **Install NZXT CAM Software:** Download and install the latest version of NZXT CAM from the official NZXT website (www.nzxt.com/cam).

2. **Connect to CAM:** Ensure the cooler's USB cable is connected to an internal USB 2.0 header on your motherboard. Launch the CAM software. The Kraken Z73 RGB should be automatically detected.

3. **Monitor Performance:** Use CAM to monitor CPU and liquid temperatures, pump speed, and fan speeds.

4. **Customize LCD Display:** Navigate to the 'Cooling' or 'Lighting' section within CAM to customize the LCD display. You can choose from various presets, upload custom images (JPG, PNG) or animated GIFs, and display real-time system information like CPU temperature, GPU temperature, or pump speed.

Image: A close-up view of the NZXT Kraken Z73 RGB White's LCD display, showing the liquid temperature.

5. **Adjust Fan and Pump Curves:** Create custom fan and pump profiles to optimize cooling performance and noise levels based on your preferences and system load.

6. **Control RGB Lighting:** Adjust the RGB lighting effects and colors of the Aer RGB 2 fans through the CAM software.

5. MAINTENANCE

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

- **Dust Cleaning:** Periodically clean dust from the radiator fins and fan blades using compressed air. Ensure fans are not spinning during cleaning to prevent damage.
- **Check Connections:** Occasionally verify that all cables (power, USB, fan) are securely connected to prevent intermittent issues.
- **Inspect Tubing:** Check the liquid tubing for any signs of kinks, leaks, or damage.
- **Software Updates:** Keep your NZXT CAM software updated to benefit from performance improvements, new features, and bug fixes.

6. TROUBLESHOOTING

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

- **Cooler Not Detected by CAM:** Ensure the USB cable from the pump is securely connected to an internal USB 2.0 header on your motherboard. Try a different USB header if available. Reinstall NZXT CAM software.

- **High CPU Temperatures:** Verify that the pump is properly seated and making good contact with the CPU. Check that the pump and fans are receiving power and spinning. Ensure thermal paste application was adequate. Check fan orientation for proper airflow.

- **Fans Not Spinning/RGB Not Working:** Check all fan and RGB cable connections to the fan/RGB controller and motherboard. Ensure the fan/RGB controller is receiving power. Verify settings in NZXT CAM software.

- **Unusual Noises:** A slight gurgling sound upon initial startup is normal as air bubbles settle. If persistent, ensure the pump is mounted lower than the highest point of the radiator to prevent air from accumulating in the pump.

- **LCD Display Issues:** Ensure the USB connection is stable. Restart NZXT CAM. Update graphics drivers.

7. SPECIFICATIONS

Feature	Specification
Product Dimensions	18.66"L x 7.17"W x 5.75"H
Model Number	RL-KRZ73-RW
Brand	NZXT
Cooling Method	Water
Compatible Devices	Radiator (CPU Sockets: Intel LGA 1700, 1200, 115X, 2011, 2066; AMD AM5, AM4, TR4)
Noise Level	33 Decibels (Max)
Material	Aluminum, Copper, Plastic, Rubber
Maximum Rotational Speed (Fans)	2000 RPM
Air Flow Capacity	52.44 Cubic Feet Per Minute (CFM)
Power Connector Type	4-Pin
Voltage	5 Volts
Wattage	3.6 watts
Item Weight	5.06 pounds
Color	White
UPC	815671016669

8. WARRANTY AND SUPPORT

NZXT products are designed and manufactured to the highest quality standards. For detailed warranty information, please refer to the official NZXT website or the warranty card included with your product. For technical support, troubleshooting assistance, or to contact customer service, visit the NZXT support page at support.nzxt.com.