

ASUS ROG RYUJIN III 360 ARGB EXTREME



1. INTRODUCTION

The ASUS ROG RYUJIN III 360 ARGB EXTREME is an advanced all-in-one (AIO) CPU liquid cooler designed to provide superior thermal performance for high-end computing systems. It features the latest Asetek Gen8 V2 pump technology, high-airflow magnetic ARGB fans, and a customizable 3.5-inch LCD screen for real-time system monitoring and personalized aesthetics. This cooler is engineered to efficiently manage heat from powerful AMD Ryzen 9000 Series and Intel Core Ultra Processors, ensuring stable and optimal performance.



Image: The ASUS ROG RYUJIN III 360 ARGB EXTREME AIO Liquid Cooler, showcasing its radiator, three ARGB fans, and the pump block with its integrated LCD screen.

2. WHAT'S IN THE BOX

Upon opening the package, verify that all components listed below are present and in good condition:

- ROG RYUJIN III 360 ARGB Extreme All-in-one AIO CPU Liquid Cooler (pre-assembled with radiator, pump, and tubing)
- Magnetic ROG ARGB Fans (3 units for 360mm model)
- Accessory Pack of Screws and Brackets (for various CPU sockets)
- ROG VIP Card
- ROG Sticker Sheet
- ROG Cable Organizer
- Daisy-chainable Fan Cables

What's in the Box



Image: A detailed layout of all components included in the ASUS ROG RYUJIN III 360 ARGB EXTREME packaging, including the cooler unit, fans, mounting hardware, and accessories.

3. SETUP & INSTALLATION

Before beginning installation, ensure your system is powered off and unplugged. Refer to your motherboard's manual for specific CPU socket and case compatibility.

3.1. Compatibility

This cooler supports a wide range of CPU sockets, including:

- **Intel:** LGA 1851, 1700, 1200, 115X series
- **AMD:** AM5, AM4



Image: Diagram illustrating the supported Intel LGA and AMD AM CPU sockets for the cooler's installation.

3.2. Fan Installation

The included ARGB fans feature a magnetic daisy-chain design for simplified installation. Simply align and snap the fans together before mounting them to the radiator. This reduces cable clutter and streamlines the setup process.

30mm Magnetic Daisy-Chainable Fans

Thickened ARGB fans for high airflow and static pressure with noise optimization, quickly snapping together with special magnets to streamline installation

Enhanced Fan Blade Design

The fan blade design improves the fan's airflow output and cooling efficiency.

Efficient Motor Solution

The three-phase six-pole motor design enhances the fan's operational efficiency and stability.



Image: Close-up view of the magnetic daisy-chainable fans, highlighting their design for easy connection and improved airflow.

3.3. Pump and Radiator Mounting

Mount the radiator to an available fan mount location in your PC case (typically top or front). Ensure adequate clearance for the radiator and fans. The pump block features an adjustable bracket design to ensure consistent contact pressure with your CPU for optimal thermal transfer. Apply thermal paste to your CPU if not pre-applied on the cooler's cold plate.



Image: An exploded diagram showing the internal components of the pump block, including the Asetek Gen8 V2 pump, embedded VRM fan, and the adjustable mounting bracket.

3.4. Cable Connections

Connect the pump and fan cables to the appropriate headers on your motherboard. The pump typically requires a dedicated AIO_PUMP or CPU_FAN header, while the fans connect to fan headers or a dedicated fan controller. Ensure all ARGB cables are connected to compatible ARGB headers for lighting control.

4. OPERATION

Once installed, the ROG RYUJIN III 360 ARGB EXTREME offers advanced features for cooling and customization.

4.1. LCD Screen Customization

The 3.5-inch LCD screen on the pump block provides a vibrant display for system information and personalized content. With a 640x480 resolution and 60Hz refresh rate, you can:

- Monitor real-time system metrics such as CPU clock frequency, voltage, temperature, fan speed, and coolant flow.
- Display custom animated GIFs or static images.
- Set personalized wallpapers.



Image: The 3.5-inch LCD screen displaying various customizable options, including system monitoring, personalized animations, and custom wallpapers.

4.2. Software Control

Utilize the ASUS software (e.g., Armoury Crate) to gain full control over the cooler's performance and aesthetics. Key software features include:

- Adjusting pump and embedded fan speeds for optimal cooling and noise levels.
- Customizing ARGB lighting effects for the fans and pump block.
- Integrating with AIDA64 for advanced monitoring with special ROG themes.

5. MAINTENANCE

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

- **Dust Removal:** Periodically clean dust from the radiator fins and fan blades using compressed air or a soft brush. Accumulated dust can impede airflow and reduce cooling efficiency.
- **Fan Inspection:** Check fan blades for any obstructions or signs of wear. Ensure fans are securely mounted.
- **Tubing and Connections:** Inspect the tubing for any kinks, leaks, or damage. Ensure all cable connections are secure.
- **Coolant (AIO):** As an all-in-one closed-loop system, the cooler does not require coolant refills or maintenance. Do not attempt to open the loop.

6. TROUBLESHOOTING

If you encounter issues with your cooler, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
High CPU Temperatures	Insufficient thermal paste, poor contact with CPU, dust buildup on radiator, low pump speed, incorrect fan orientation.	Reapply thermal paste, reseal pump block, clean radiator/fans, increase pump/fan speeds via software, ensure fans are pushing air through radiator correctly.
Fans Not Spinning / ARGB Not Working	Loose cable connections, incorrect header connection, software issue.	Check all fan and ARGB cable connections. Ensure fans are connected to appropriate headers. Reinstall or update cooling software.
Pump Noise	Air bubbles in the loop, pump running at maximum speed.	Orient radiator higher than pump block to allow air to settle. Adjust pump speed via software to a lower, quieter setting if temperatures allow.
LCD Screen Not Displaying	Loose USB connection, software not running, driver issue.	Ensure USB cable from pump to motherboard is securely connected. Verify cooling software is running and updated. Check device manager for driver issues.

7. SPECIFICATIONS

Feature	Detail
Model Number	ROG RYUJIN III 360 ARGB EXTREME
Product Dimensions	16.7 x 7.4 x 7.4 inches
Item Weight	7.8 Pounds
Manufacturer	ASUS
Pump Technology	Asetek Gen8 V2 (3-phase motor)
Fans	Thickened ARGB Magnetic Fans
LCD Screen	3.5" IPS, 640x480 resolution, 60Hz refresh rate, 24bit Full Color Depth
Embedded Fan	Yes, for VRM cooling

Feature	Detail
Cooling Method	Fan, Water
Compatible Devices	Desktop, Server
Noise Level	16 dB (minimum)
Material	Aluminum, Copper, Plastic, Metal, Glass
Power Connector Type	4-Pin
Voltage	2 Volts
Wattage	1.2 kWh
UPC	197105715240

8. WARRANTY & SUPPORT

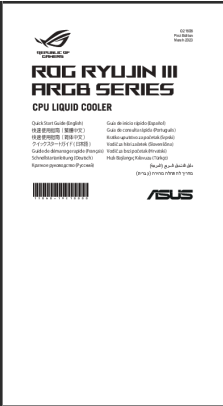

ASUS provides a limited warranty for the ROG RYUJIN III 360 ARGB EXTREME. For detailed warranty terms and conditions, please refer to the warranty card included in your product packaging or visit the official ASUS support website. For technical support, driver downloads, and software updates, please visit the official ASUS support page:





ASUS Support Website

Keep your purchase receipt and product serial number handy when contacting support.

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Related Documents - ROG RYUJIN III 360 ARGB EXTREME

	<p>ASUS ROG Ryujin III ARGB Series CPU Liquid Cooler Quick Start Guide</p> <p>This quick start guide provides essential information for installing the ASUS ROG Ryujin III ARGB Series CPU Liquid Cooler. It includes package contents, detailed installation steps for Intel and AMD platforms, fan and radiator mounting, cable connections, software download instructions, and frequently asked questions.</p>
	<p>ASUS ROG Ryujin III ARGB Series CPU Liquid Cooler Quick Start Guide</p> <p>Quick start guide for the ASUS ROG Ryujin III ARGB Series CPU Liquid Cooler, covering package contents, installation steps for Intel and AMD platforms, fan connection, radiator installation, software download, and support.</p>

	<p>ASUS ROG RYUO III ARGB Series CPU Liquid Cooler Quick Start Guide</p> <p>Comprehensive quick start guide for the ASUS ROG RYUO III ARGB Series CPU Liquid Cooler, covering installation for Intel and AMD, cable connections, and software setup for optimal PC cooling.</p>
	<p>ASUS ROG Ryujin Series Liquid CPU Cooler Quick Start Guide</p> <p>A quick start guide for the ASUS ROG Ryujin Series Liquid CPU Cooler, providing installation instructions and support information in multiple languages.</p>
	<p>ASUS ROG RYUO IV 360 ARGB Hatsune Miku Edition CPU Liquid Cooler Quick Start Guide</p> <p>Quick Start Guide for the ASUS ROG RYUO IV 360 ARGB Hatsune Miku Edition CPU Liquid Cooler, providing installation instructions, package contents, and support information.</p>
	<p>ASUS ROG RYUJIN II Series Liquid CPU Cooler Quick Start Guide</p> <p>This guide provides instructions for installing the ASUS ROG RYUJIN II Series Liquid CPU Cooler. It covers package contents, Intel and AMD mounting procedures, radiator installation, cable connections, fan controller setup, software download, and frequently asked questions.</p>