

ASUS ROG STRIX LC III 360 ARGB LCD

ASUS ROG Strix LC III 360 ARGB LCD White Edition All-in-one CPU Liquid Cooler User Manual

Model: ROG STRIX LC III 360 ARGB LCD

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ASUS ROG Strix LC III 360 ARGB LCD White Edition All-in-one CPU Liquid Cooler. Designed for high-performance systems, this cooler features Asetek's latest Gen7 v2 pump, ROG ARGB radiator fans, and a customizable 2.1-inch IPS LCD display to efficiently manage CPU thermals.

KEY FEATURES

- **2.1" IPS LCD Display:** Features a 480x480 resolution with a 60 Hz refresh rate, offering 360° rotatable graphics to show system statistics, custom artwork, or time.
- **Advanced Pump Technology:** Equipped with Asetek's new Gen7 v2 pump, ensuring robust and efficient cooling performance.
- **Premium ROG ARGB Fans:** High airflow fans with optimized acoustics and 0dB technology, stopping under light loads for silent operation.
- **Aesthetic Integration:** Designed to complement the aesthetics of ROG motherboards and other components.
- **Enhanced Durability:** Features reinforced, sleeved tubing for increased longevity and reliability.

PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- ROG Strix LC III 360 ARGB LCD White Edition All-in-one CPU Liquid Cooler
- ROG Strix AF-12S ARGB fans (3 units)
- Accessory Pack of Screws and Brackets (for various CPU sockets)

- Fan Cable for Fan Connection
- ARGB Cable for Lighting Control
- Quick Start Guide
- ROG VIP card
- ROG sticker
- ROG cable organizer

What's in the box



Image: All components included in the ROG Strix LC III 360 ARGB LCD White Edition package, including the cooler, fans, cables, and documentation.

SPECIFICATIONS

Feature	Detail
Brand	ASUS
Model Number	ROG STRIX LC III 360 ARGB LCD WHT

Water Block Dimensions	72 x 72 x 63 mm
Block Material	Copper
Radiator Dimensions	394 x 121 x 27 mm
Radiator Material	Aluminum
Tube Material	Sleeved Rubber Tube
Tube Length	400 mm
Fan Dimensions	120 x 120 x 25 mm
Fan Speed	0 - 2200 ± 10% RPM
Static Pressure	3.92 mmH ₂ O
Air Flow	70.38 CFM
Noise Level	36 dB(A)
Control Mode	PWM/DC
Compatible Intel Sockets	LGA 1700, 1200, 115X
Compatible AMD Sockets	AM5, AM4
Item Weight	5.3 pounds
Product Dimensions	15.5 x 4.8 x 1.1 inches

SETUP AND INSTALLATION

Before beginning installation, ensure your system is powered off and disconnected from the power source. Refer to the included Quick Start Guide for detailed, step-by-step instructions specific to your CPU socket type (Intel LGA 1700, 1200, 115X or AMD AM4, AM5).

Key Installation Steps:

- 1. Prepare Motherboard:** Install the appropriate backplate and standoffs for your CPU socket.
- 2. Mount Radiator and Fans:** Secure the 360mm radiator with the three ROG ARGB fans to your PC case. Ensure proper airflow direction.
- 3. Install Water Block:** Carefully place the water block onto the CPU, aligning it with the standoffs. The cooler comes with pre-applied thermal paste, simplifying this step.
- 4. Secure Water Block:** Use the provided screws and brackets to firmly secure the water block to the motherboard.
- 5. Connect Cables:** Connect the pump power cable, fan cables, and ARGB lighting cables to the appropriate headers on your motherboard. Refer to your motherboard manual for header locations.



Image: The assembled ASUS ROG Strix LC III 360 ARGB LCD White Edition cooler, showing the pump, tubes, and radiator with three fans.

360° rotatable Water Block



10+ Custom Aura Lighting Effects



Image: Close-up of the water block, highlighting its 360° rotatable design and customizable Aura lighting effects.

Asetek's new Gen7 v2 pump



Image: The Asetek Gen7 v2 pump integrated into the water block, emphasizing its role in cooling performance.

ROG STRIX AF-12S ARGB FANS



2200 RPM
Fan Speed

3.92 mmH2O
Fan Air Pressure

70.38 CFM
Airflow

Image: A single ROG STRIX AF-12S ARGB fan, detailing its fan speed, air pressure, and airflow specifications.

Installation Video Guide

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Video: Official ASUS overview of the ROG STRIX LC III 360 ARGB LCD White Edition, demonstrating its features and aesthetic integration within a PC build.

OPERATION AND CUSTOMIZATION

LCD Display Customization

The 2.1-inch IPS LCD on the pump head can be customized using ASUS Armoury Crate software. You can display real-time system statistics such as CPU temperature and fan RPM, or personalize it with custom images, GIFs, or clock modes. The 360° rotatable graphics ensure correct orientation regardless of pump mounting.



Image: The LCD screen on the water block showing CPU temperature and fan speed, demonstrating system monitoring capabilities.



Image: The LCD screen on the water block displaying a clock, showcasing its customizable display modes.

ARGB Lighting Control

The ROG ARGB fans and pump lighting are compatible with ASUS Aura Sync. Use the Aura Sync software to synchronize lighting effects across all compatible components in your system, creating a unified aesthetic. The 0dB technology allows the fans to stop spinning entirely under light CPU loads, providing silent operation when full cooling power is not required.

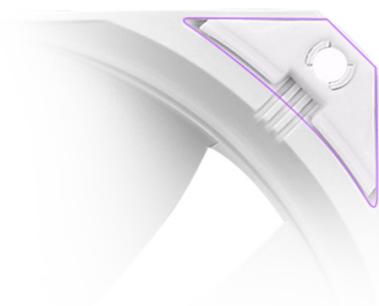


Image: Logos for ASUS Aura Sync and Gen 2 LED, indicating compatibility for synchronized lighting.

MAINTENANCE

To ensure optimal performance and longevity of your liquid cooler, regular maintenance is recommended:

- **Dust Removal:** Periodically clean the radiator fins and fan blades to prevent dust buildup, which can impede airflow and reduce cooling efficiency. Use compressed air or a soft brush.
- **Inspect Tubing:** Check the reinforced, sleeved tubing for any signs of kinks, leaks, or damage. Ensure connections are secure.
- **Fan Operation:** Monitor fan operation to ensure all fans are spinning correctly and quietly. If a fan is making unusual noises or not spinning, inspect for obstructions or damage.
- **Software Updates:** Keep your ASUS Armoury Crate and Aura Sync software updated to ensure compatibility and access to the latest features and performance optimizations.

TROUBLESHOOTING

If you encounter issues with your ROG Strix LC III 360 ARGB LCD cooler, consider the following common troubleshooting steps:

- **High CPU Temperatures:**
 - Ensure the water block is securely mounted to the CPU and thermal paste is properly applied (pre-applied from factory).
 - Check that all fans are spinning and the radiator is free of dust.
 - Verify pump operation through ASUS Armoury Crate; listen for pump noise.
 - Confirm correct fan curve settings in BIOS or Armoury Crate.
- **Fans Not Spinning or RGB Not Working:**
 - Check all power and ARGB cable connections to the motherboard and cooler.
 - Ensure ASUS Aura Sync software is installed and updated, and lighting effects are enabled.
 - Remember that 0dB technology may stop fans under light loads; check under heavy load.
- **LCD Display Issues:**
 - Ensure the USB cable for the LCD is securely connected to the motherboard.
 - Update ASUS Armoury Crate software and check display settings.

For further assistance, please contact ASUS customer support or visit the official ASUS support website.

WARRANTY AND SUPPORT

The ASUS ROG Strix LC III 360 ARGB LCD White Edition CPU Liquid Cooler comes with **3-year warranty**, reflecting its robust design and the quality of its Asetek Gen7 v2 pump. This warranty covers manufacturing defects and ensures long-term reliability.

For warranty claims, technical support, or additional product information, please visit the official ASUS support website or contact your local ASUS service center. Keep your proof of purchase for warranty validation.

