ASUS ROG STRIX LC II 240

ASUS ROG Strix LC II 240 All-in-one AIO Liquid CPU Cooler Instruction Manual

Model: ROG STRIX LC II 240

1. INTRODUCTION

The ASUS ROG Strix LC II 240 is an all-in-one liquid CPU cooler designed to provide efficient thermal management for your processor. This closed-loop system features a 240mm radiator and two 120mm PWM fans, ensuring optimal airflow and static pressure for effective heat dissipation. It is compatible with a wide range of Intel and AMD CPU sockets, offering broad compatibility for various PC builds. The cooler also incorporates customizable RGB lighting on the pump head, allowing for aesthetic integration with your system.

Image: The ASUS ROG Strix LC II 240 All-in-one Liquid CPU Cooler, showcasing the pump head with illuminated ROG logo, braided tubing, and the 240mm radiator with two fans.

2. KEY FEATURES

- **Seventh Gen Asetek Pump:** Delivers exceptional cooling performance with minimal noise, operating efficiently from 840 RPM.
- **ROG-Designed Radiator Fans:** Optimized for superior airflow and static pressure, crucial for effective radiator cooling.
- **Addressable RGB Lighting:** Individually addressable RGB lighting and NCVM-coating on the pump head enhance the aesthetic appeal and allow for synchronization with other ROG components.
- **Broad Compatibility:** Supports a wide range of CPU sockets including AMD AM4, TR4 and Intel LGA 1700, 1200, 115x, 1366, 2011, 2011-3, 2066.
- **Durable Tubing:** Reinforced, sleeved tubing ensures increased durability and longevity of the cooler.

Image: A detailed view of the ASUS ROG Strix LC II 240 AIO Liquid CPU Cooler installed in a PC case, highlighting the illuminated ROG logo on the pump head, the radiator fans, and the sleeved rubber tubing.

3. What's in the Box

The ASUS ROG Strix LC II 240 package includes the following components:

- ROG STRIX LC II 240 Liquid Cooler (with pre-applied thermal compound)
- 2 x 120mm ROG Radiator Fans
- Fan Cable for Fan Connection
- ARGB Cable for Lighting Control
- USB Cable for Software Control
- Accessory Pack of Screws and Brackets (for various CPU sockets)
- Quick Start Guide
- ROG Sticker

What's in the box

ROG Strix LC II 240 Liquid Cooler
Thermal Compound (Pre-applied)

2 x 120mm ROG
Radiator Fans

Fan Cable for
Fan Connection

ARGB Cable for
Lighting Control

USB Cable for
Software Control

Accessory Pack of
Screws and Brackets

Quick Start Guide

ROG Sticker

Image: An exploded view of the ASUS ROG Strix LC II 240 AIO Liquid CPU Cooler components, including the radiator, pump, fans, cables, mounting hardware, and documentation.

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and longevity of your liquid CPU cooler. Please follow these general steps. Refer to the included Quick Start Guide for detailed, model-specific instructions and diagrams.

4.1. Prepare Your Motherboard and CPU

1. Identify your CPU socket type (e.g., Intel LGA 1700, AMD AM4).
2. Select the appropriate mounting brackets and screws from the accessory pack.
3. Install the backplate (if required for your socket) onto the rear of your motherboard.
4. Secure the standoffs onto the motherboard according to your CPU socket type.
5. Ensure your CPU is correctly seated in its socket.
6. The cooler comes with pre-applied thermal compound. If reapplying, ensure the CPU surface is clean before applying a thin, even layer of thermal paste.

4.2. Mount the Radiator and Fans

1. Determine the optimal mounting location for the 240mm radiator in your PC case (typically top or front).
2. Attach the two 120mm ROG radiator fans to the radiator using the provided screws. Ensure the fan orientation is correct for desired airflow (intake or exhaust).

3. Mount the radiator assembly to your chosen location in the PC case using the longer radiator screws.

4.3. Install the Pump Head

1. Carefully align the pump head with the standoffs on the motherboard.
2. Gently lower the pump head onto the CPU, ensuring even contact.
3. Secure the pump head with the appropriate thumb screws or nuts, tightening them in a diagonal pattern until snug. Do not overtighten.

4.4. Connect Cables

1. Connect the radiator fan cables to the fan headers on your motherboard or a fan controller.
2. Connect the pump power cable to the dedicated AIO_PUMP or CPU_OPT header on your motherboard.
3. Connect the ARGB cable from the pump head to an addressable RGB header on your motherboard (typically 3-pin, 5V).
4. Connect the USB cable from the pump head to an available internal USB 2.0 header on your motherboard for software control.

4.5. General Installation Guide (External Video)

The following video provides a general guide for installing an AIO liquid cooler. While it features a different product (Pure Loop 2 FX), the fundamental steps for mounting the radiator, fans, and pump head, as well as cable management, are similar. Please refer to your specific ASUS ROG Strix LC II 240 Quick Start Guide for precise instructions and component identification.

Your browser does not support the video tag.

Video: A general installation guide for an AIO liquid cooler, demonstrating the process of mounting components and connecting cables. Note: This video features a different product and serves as a general reference.

5. OPERATING INSTRUCTIONS

Once installed, the ASUS ROG Strix LC II 240 operates automatically to maintain optimal CPU temperatures. For advanced control and customization, utilize the ASUS Armoury Crate software.

5.1. ASUS Armoury Crate Software

The Armoury Crate software allows you to:

- Monitor CPU and cooler performance.
- Adjust pump and fan speeds.
- Customize the individually addressable RGB lighting effects on the pump head.
- Synchronize lighting with other ASUS Aura Sync compatible components.

Download the latest version of ASUS Armoury Crate from the official ASUS support website.

Image: A close-up of the ASUS ROG Strix LC II 240 pump head, showcasing its illuminated ROG logo and customizable RGB lighting effects.

6. MAINTENANCE

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

- **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.
- **Fan Inspection:** Check fans for any unusual noises or vibrations. Ensure they are securely mounted and spinning freely.
- **Tubing Inspection:** Inspect the tubing for any signs of leaks, kinks, or damage. While the reinforced tubing is durable, regular checks are recommended.
- **Software Monitoring:** Use Armoury Crate to monitor temperatures and fan/pump speeds to ensure the cooler is operating within normal parameters.

7. TROUBLESHOOTING

If you encounter issues with your ASUS ROG Strix LC II 240, refer to the following common troubleshooting steps:

- **High CPU Temperatures:**
  - Ensure the pump head is securely mounted and making good contact with the CPU.

- Verify that thermal paste is properly applied.
    - Check if radiator fans are spinning and oriented correctly for airflow.
    - Clean any dust buildup on the radiator fins.
    - Confirm pump is running via Armoury Crate or BIOS.
- **Fans Not Spinning/RGB Not Working:**
    - Check all cable connections (fan, ARGB, USB) to the motherboard and cooler.
    - Ensure fan headers are enabled in BIOS.
    - Verify RGB settings in Armoury Crate.
- **Unusual Noises:**
    - If a gurgling sound is heard, it may indicate air bubbles in the loop. Gently tilt your PC case to help dislodge them.
    - If fans are noisy, check for obstructions or loose mounting screws.

8. SPECIFICATIONS
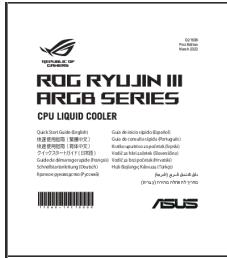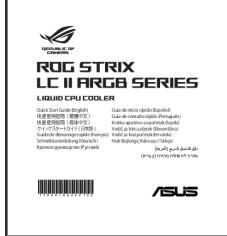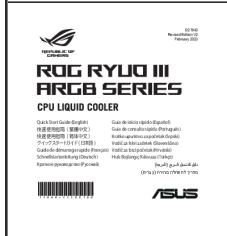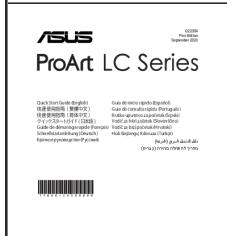
Product Dimensions	14.05 x 9.18 x 5.25 inches; 2.2 Pounds
Item Model Number	ROG STRIX LC II 240
Manufacturer	ASUS
Power Connector Type	4-Pin
Voltage	12 Volts
Wattage	3 watts
Cooling Method	Fan, Water
Compatible Devices	Desktop
Noise Level	37.6 Decibels
Maximum Rotational Speed	840 RPM
CPU Socket Support	AMD: AM4, TR4; Intel: LGA 1700, 1200, 115x, 1366, 2011, 2011-3, 2066

9. WARRANTY AND SUPPORT

The ASUS ROG Strix LC II 240 comes with a **6-year warranty**, ensuring long-term reliability and peace of mind. For technical support, warranty claims, or further assistance, please visit the official ASUS support website or contact their customer service.
ASUS Support Website: www.asus.com/support/

Related Documents - ROG STRIX LC II 240

	[ASUS ROG Ryujin III ARGB Series CPU Liquid Cooler Quick Start Guide](#) 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.
	[ASUS ROG Strix LC Series Liquid CPU Cooler Quick Start Guide](#) This quick start guide provides essential installation and setup instructions for the ASUS ROG Strix LC Series Liquid CPU Cooler, covering package contents, Intel and AMD CPU installation, fan and radiator mounting, and software download.
	[ASUS ROG Strix LC II ARGB Series Liquid CPU Cooler Quick Start Guide](#) Comprehensive guide for installing the ASUS ROG Strix LC II ARGB Series liquid CPU cooler. Covers package contents, step-by-step installation for Intel and AMD platforms, cable connections, and software download instructions.
	[ASUS ROG Ryujin Series Liquid CPU Cooler Quick Start Guide](#) A quick start guide for the ASUS ROG Ryujin Series Liquid CPU Cooler, providing installation instructions and support information in multiple languages.
	[ASUS ROG RYUO III ARGB Series CPU Liquid Cooler Quick Start Guide](#) 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.
	[ASUS ProArt LC Series Quick Start Guide](#) A quick start guide for the ASUS ProArt LC Series CPU cooler, detailing package contents and installation steps for both Intel and AMD platforms.