SilverStone SST-NP240-ARGB

SilverStone NovaPeak 240 ARGB All-in-one Liquid Cooler Instruction Manual

Model: SST-NP240-ARGB

1. INTRODUCTION

Thank you for choosing the SilverStone NovaPeak 240 ARGB All-in-one Liquid Cooler. This product is designed to provide efficient cooling for your Intel or AMD processor while offering customizable ARGB lighting effects. This manual provides essential information for proper installation, operation, and maintenance of your liquid cooler.

Image 1.1: SilverStone NovaPeak 240 ARGB Liquid Cooler with two ARGB fans and pump head.

2. SAFETY INFORMATION

Please read and understand the following safety precautions before installation and operation:

- Ensure your system is powered off and unplugged from the wall outlet before installation.
- Handle components with care to avoid damage.
- Do not attempt to open or modify the liquid cooler components.
- Keep the product away from moisture and extreme temperatures.
- If any leakage is observed, immediately power off your system and contact support.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- NovaPeak 240 ARGB Liquid Cooler (Radiator, Pump, Tubing)
- 2x 120mm ARGB Radiator Fans

- Mounting Hardware for Intel LGA 115x/1200/1700/1851/2011/2066 sockets
- Mounting Hardware for AMD AM5/AM4 sockets
- ARGB Controller
- Thermal Paste
- User Manual

4. INSTALLATION GUIDE

Follow these steps carefully for proper installation. Refer to your motherboard and PC case manuals for specific guidance on component placement.

4.1. Prepare the Radiator and Fans

1. Attach the two 120mm ARGB fans to the radiator using the provided screws. Ensure the fan airflow direction is appropriate for your case's cooling strategy (typically exhausting air out of the case).
2. Connect the fan PWM and ARGB cables. The NovaPeak fans feature a modular cabling design for streamlined connectivity, allowing daisy-chaining.

Streamlined connectivity for effortless cable management.

Unlike traditional setups that require connecting multiple fans to a fan hub, the NovaPeak series fans feature perfectly measured daisy-chain cables. This design enables seamless synchronization of PWM and ARGB signals from a single header to multiple fans, eliminating the need for complex cable management routes.

Image 4.1: Fans connected via daisy-chain for simplified cable management.

4.2. Install the Radiator

3. Mount the radiator assembly into your PC case. Common mounting locations include the top or front of the case. Secure it with the appropriate screws.

Image 4.2: Side view of the radiator with fans attached.

4.3. Prepare the CPU and Pump

4. Clean the CPU surface thoroughly to remove any old thermal paste or debris.

5. Apply a small amount of thermal paste (pea-sized dot) to the center of the CPU's integrated heat spreader (IHS).

Image 4.3: The pump's copper baseplate, designed for firm contact with the processor.

4.4. Mount the Pump to the CPU

6. Select the appropriate mounting bracket for your CPU socket (Intel or AMD).
7. Attach the chosen bracket to the pump head.
8. Carefully place the pump head onto the CPU, aligning the mounting holes.
9. Secure the pump head to the motherboard using the provided screws and backplate (if required for your socket type). Tighten screws in a diagonal pattern until snug.

4.5. Cable Management

10. Connect the pump's 3-pin power cable to an available fan header on your motherboard (often labeled 'AIO_PUMP' or 'CPU_OPT').
11. Connect the ARGB cables from the fans and pump to the included ARGB controller.
12. Connect the ARGB controller to a SATA power connector from your power supply and to a 3-pin 5V ARGB header on your motherboard (if you wish to control lighting via motherboard software).
13. Organize all cables to ensure proper airflow and a clean build.

5. OPERATION

Once installed, the NovaPeak 240 ARGB Liquid Cooler operates automatically based on your system's thermal load. The pump and fans will adjust their speed to maintain optimal CPU temperatures.

5.1. ARGB Lighting Control

The included ARGB controller allows you to cycle through 10 lighting modes, adjust brightness, and change light speed. Alternatively, if connected to a compatible motherboard ARGB header, you can control the lighting effects using your motherboard's synchronization software.

Image 5.1: Close-up of the pump head showcasing ARGB lighting.

6. Maintenance

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

- **Dust Cleaning:** Periodically clean dust from the radiator fins and fan blades using compressed air or a soft brush. Ensure fans are not spinning during cleaning.
- **Tubing Inspection:** Visually inspect the tubing for any signs of kinks, damage, or leaks.
- **Pump Noise:** The pump is designed for quiet operation. If unusual noises occur, ensure proper mounting and contact support if the issue persists.

7. Troubleshooting

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
High CPU Temperatures	Improper thermal paste application, loose pump mounting, insufficient airflow, pump failure.	Reapply thermal paste, check pump mounting, ensure fans are correctly oriented, verify pump is powered.
Fans Not Spinning / ARGB Not Lighting Up	Incorrect cable connections, faulty ARGB controller, insufficient power.	Check all PWM and ARGB connections, ensure SATA power is connected to the controller, test with different ARGB header if possible.
Unusual Pump Noise	Air bubbles in the loop, pump malfunction.	Orient the radiator higher than the pump if possible to allow air to collect in the radiator. If noise persists, contact support.

8. SPECIFICATIONS

Key technical specifications for the SilverStone NovaPeak 240 ARGB Liquid Cooler:

Feature	Detail
Model Number	SST-NP240-ARGB
Radiator Material	Aluminum
Pump Base Material	Copper
Fan Speed	500 - 2,200 RPM (PWM controlled)
Noise Level	12.1 dB (minimum)
Compatible Sockets	Intel LGA 115x/1200/1700/1851/2011/2066, AMD AM5/AM4
Tubing Length	460mm
Pump Design	Three-phase, six-pole motor
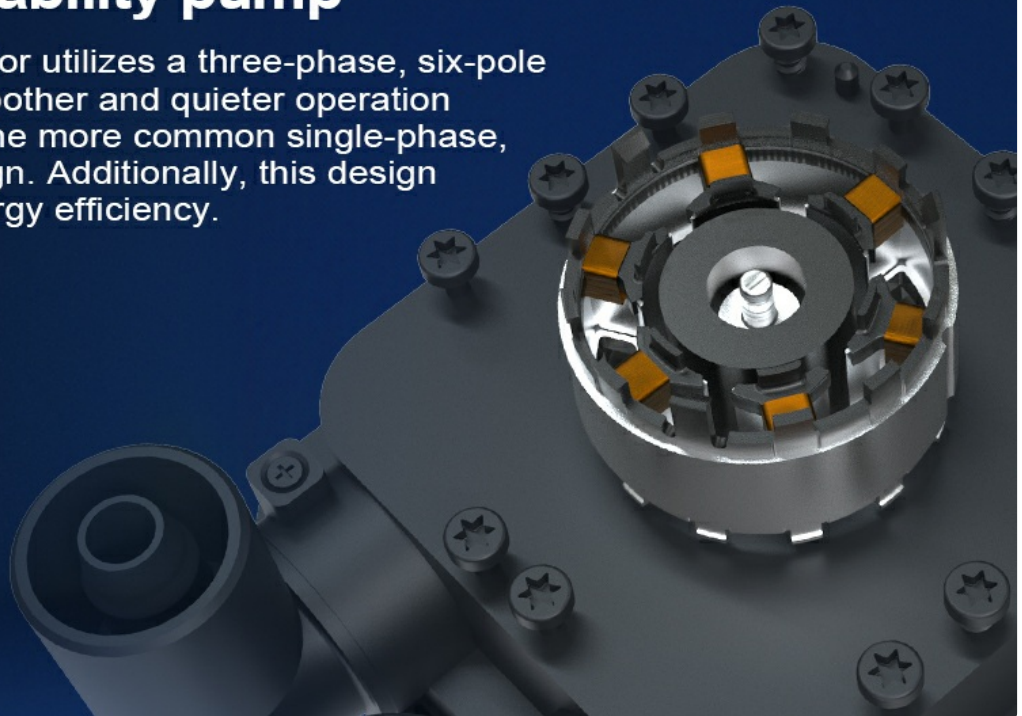
Image 8.1: The pump's three-phase, six-pole motor design for smooth and quiet operation.

9. WARRANTY AND SUPPORT

SilverStone Technology provides a limited warranty for this product. Please refer to the official SilverStone website or your product packaging for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please visit the official SilverStone Technology support page or contact their customer service directly. You can find contact information on their website: www.silverstonetek.com
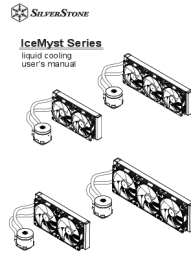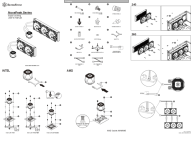
## Related Documents - SST-NP240-ARGB

[SilverStone Argon V140 ARGB CPU Cooler Installation Guide](#)
Installation guide and warranty information for the SilverStone Argon V140 ARGB CPU cooler, detailing mounting procedures for Intel and AMD platforms, fan connections, and product support.

	[SilverStone IceMyst Series Liquid Cooling User Manual - Installation and Setup Guide](#) Comprehensive user manual for the SilverStone IceMyst Series liquid cooling solutions. Includes installation guides for Intel and AMD platforms, wiring diagrams, and component lists for models like IceMyst 240, 280, 360, and 420.
	[SilverStone NovaPeak Series Liquid Cooling User Manual](#) User manual for SilverStone NovaPeak Series liquid coolers (240 and 360 models). Includes parts list, installation guides for Intel (LGA 115X, 1700, 1851, 2011, 2066) and AMD (AM4, AM5) sockets, and wiring instructions.
	[SilverStone ICEGEM 240P/280/360 AIO Liquid Cooler User's Manual](#) User's manual for the SilverStone ICEGEM series of all-in-one liquid CPU coolers, covering accessories, installation for Intel and AMD sockets, and ARGB controller operation.
	[SilverStone IMF70-ARGB: Superior 2U Server Thermal Solution for Intel LGA1700](#) Installation guide and warranty details for the SilverStone IMF70-ARGB, a 2U server thermal solution compatible with Intel LGA1700 processors. Includes product overview, contents, step-by-step installation, warranty terms, contact information, and compliance details.
	[SilverStone Tundra Series Liquid Cooler Installation Manual](#) Comprehensive installation guide for the SilverStone Tundra series all-in-one liquid coolers, covering specifications, assembly steps for Intel and AMD platforms, and warranty information.

Documents - SilverStone – SST-NP240-ARGB

PowerPoint   SST TW Daphne Kang Dane techniczne SilverStone NovaPeak 240 NP240 ARGB Porównanie cen Cenowarka Polska 68ee476fc179582af6c497138f41c1b90b62 gzhls at blob ldb a e 2 ||| www.silverstonetek.com NovaPeak240-ARGB Ausgezeichnete Komplettlsung zur Flssigkeitskhlung mit fas ... lsse Abmessungen Drehzahl Luftstrom Luftdruck Geruschpegel Bemessungsspannung Anschlsse Anmerkung **SST-NP240-ARGB** Intel LGA 115x/1200/1700/2011/2066 AMD Socket AM5/AM4 66mm B x 63mm H x 81mm T ...

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Specifications

PowerPoint   SST TW Daphne Kang NovaPeak 240 ARGB product sheet NP240 Product Sheet EN silverstonetek cn upload sstedm np240 argb ||| www.silverstonetek.com NovaPeak240-ARGB Superior All-In-One Liquid Cooling Solution with Captivati ... Current Connector Dimension Speed Airflow air pressure Noise level Rated Voltage Connector Remark **SST-NP240-ARGB** Intel LGA 115x/1200/1700/2011/2066 AMD Socket AM5/AM4 66mm W x 63mm H x 81mm D ...

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