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ID-COOLING FX240-PRO

ID-COOLING FX240 PRO Liquid CPU Cooler User Manual

Brand: ID-COOLING | Model: FX240-PRO

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ID-COOLING FX240 PRO Liquid CPU Cooler. Designed for gaming and high-performance computing systems, this AIO cooler ensures efficient heat dissipation for your CPU. Please read this manual thoroughly before installation to ensure proper setup and optimal performance.

PRODUCT OVERVIEW

The ID-COOLING FX240 PRO is a 240mm All-in-One (AIO) liquid CPU cooler featuring an all-black layout for seamless integration into various PC builds. It includes a powerful pump, high-efficient fans, and a special CD pattern pump header for a premium aesthetic.

- Premium AIO Cooler:** Designed for gaming and high-performance computing systems with a TDP of 300W.
- Powerful Pump:** Operates at 2900RPM±10% for efficient CPU heat dissipation.
- Extreme Cooling Fans:** Two 120mm fans deliver stable performance with Max. Air Flow: 82.5CFM and Max. Air Pressure: 2.55mmH2O.
- All-black Layout:** Blends seamlessly into PC cases with dark interiors.
- Simple Cable Management:** Fans feature daisy chain connectors to reduce cable clutter.
- Premium Vision on Water Block:** CD patterns on the water block enhance the PC build's aesthetic.
- Wide Compatibility:** Supports Intel LGA1851/1700/1200/1151/1150/1155/1156 and AMD AM4/AM5 sockets.

What's in the Box:

- Radiator
- Cooling Fans (2 x 120mm)
- Mounting Hardware for Intel & AMD sockets
- Thermal Grease

SPECIFICATIONS

Feature	Detail
Product Dimensions	15.63" L x 1.06" W x 4.72" H
Item Model Number	FX240-PRO
Manufacturer	ID-COOLING
Material	Aluminum, Plastic, Metal, Rubber
Power Connector Type	4-Pin
Voltage	12 Volts (DC)
Wattage	2 watts
Cooling Method	Water
Compatible Devices	Desktop
Noise Level	35.2 dB
Maximum Rotational Speed	2900 RPM

SETUP AND INSTALLATION

Follow these steps carefully to install your ID-COOLING FX240 PRO Liquid CPU Cooler. Refer to the provided video for a visual guide.

Installation Guide Video:

Your browser does not support the video tag.

Video Description: Official installation guide for the ID-COOLING FX PRO Series liquid CPU coolers, demonstrating the step-by-step process for both Intel and AMD platforms.

Step-by-Step Installation (Intel & AMD):

1. Prepare the Motherboard Backplate:

For Intel LGA1851/1700, pull the backplate screws outward. For LGA1200/115X, pull them inward. Then, place the backplate through the back of the motherboard, aligning the screws with the CPU socket holes.

Hassle-Free Installation

Compatible with Intel and AMD sockets.
Intel LGA1851/1700/1200/115X AMD AM5/AM4

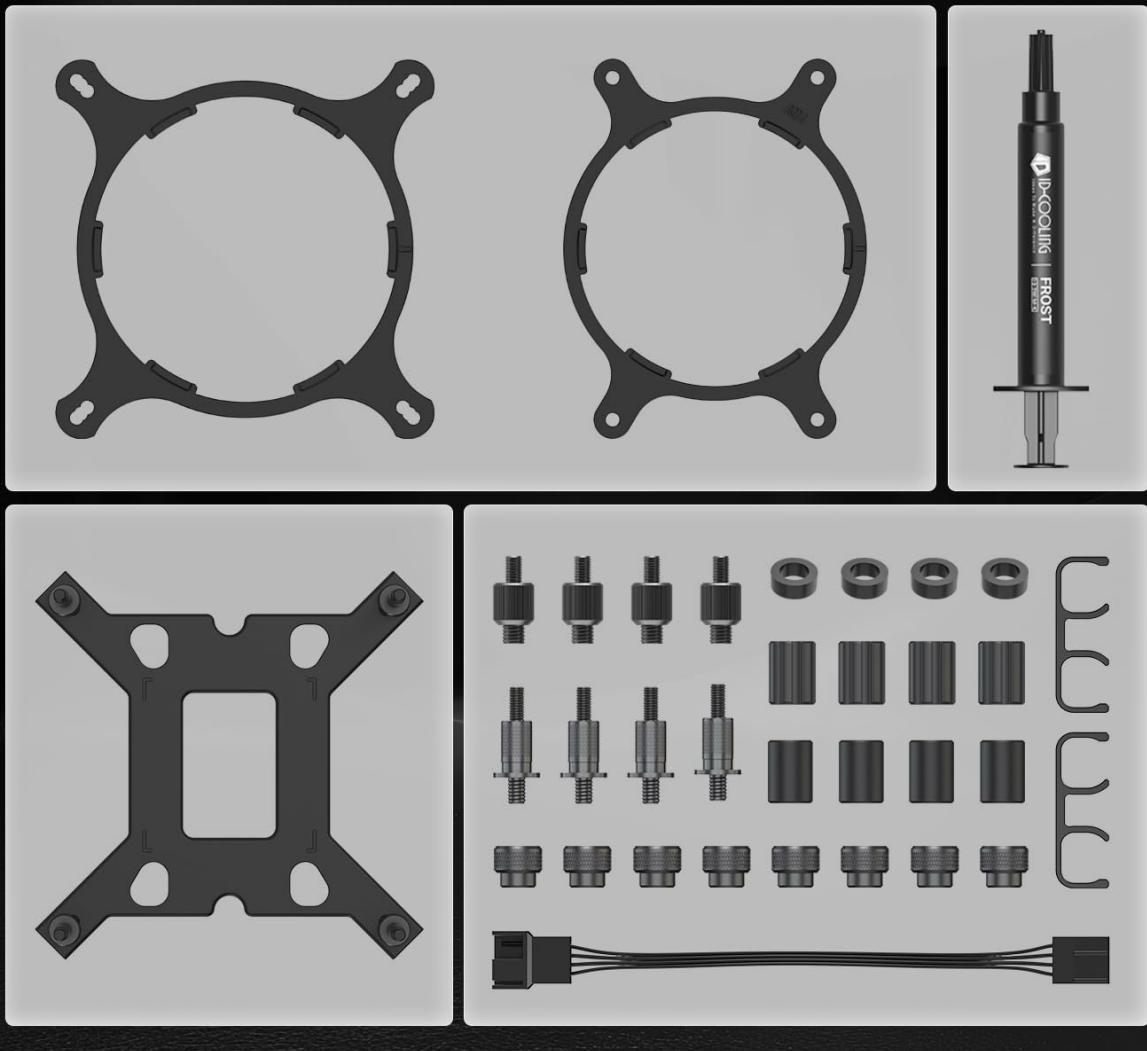


Image Description: Shows the Intel backplate with adjustable screws for different LGA sockets and the AMD retention bracket.

2. Mount Standoffs:

Mount the appropriate standoffs (LGA1851/1700 or LGA1200/115X for Intel, or AMD standoffs with rubber grommets for AMD) onto the existing posts on the backplate. Ensure they are securely fastened.

Daisy-Chained Fans

Reduce clutter and make cable management simpler.

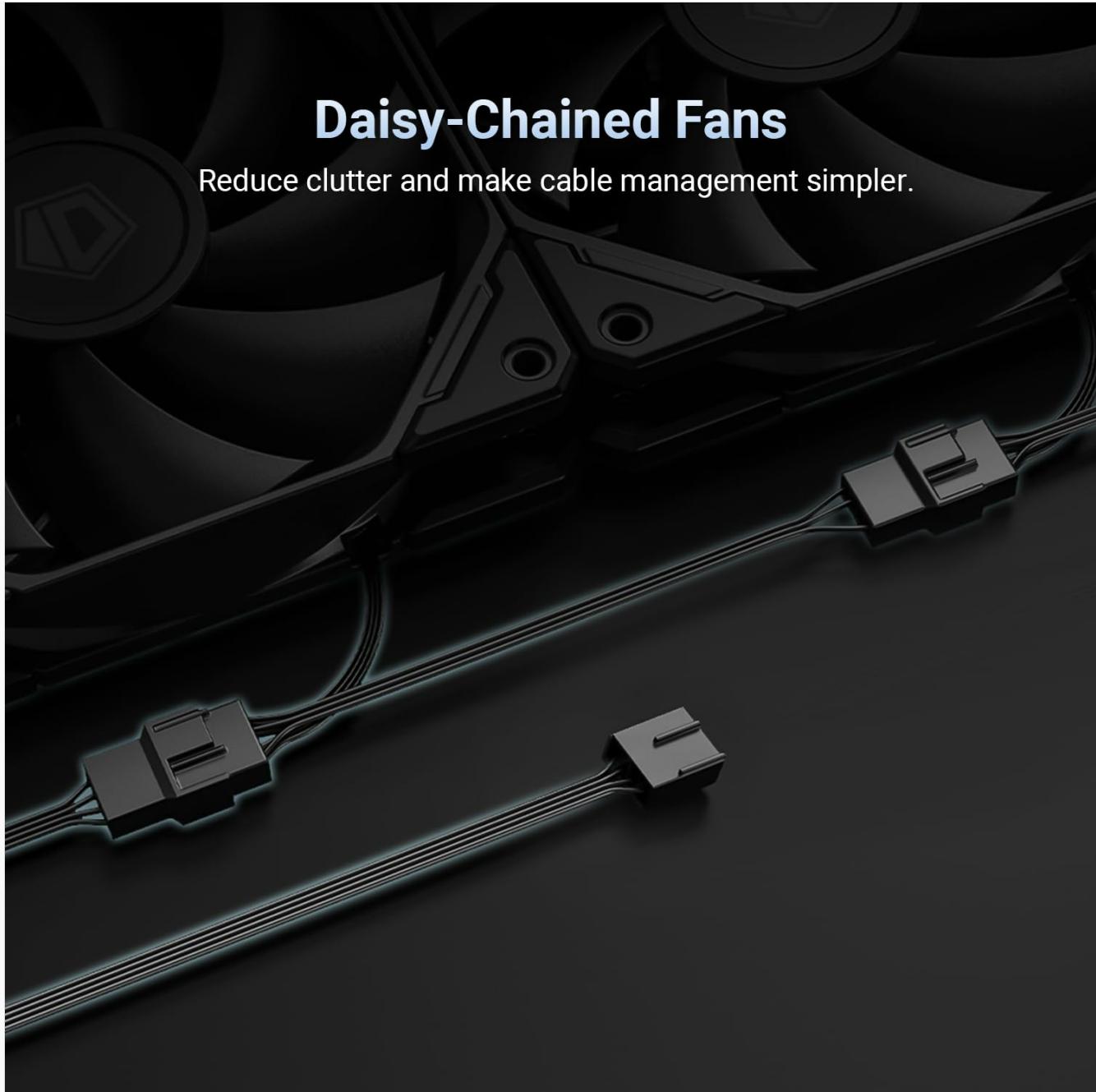


Image Description: A motherboard with the CPU socket visible, showing the standoffs installed around the socket.

3. Prepare Water Block:

Peel off the protective sticker from the copper plate of the water block. Align the two registration marks on the bracket with the water block, press the bracket firmly into place, and twist it clockwise to secure.



Image Description: A close-up of the water block's copper plate, showing the protective film being removed and the bracket being attached.

4. Apply Thermal Grease:

Clean the CPU surface thoroughly. Apply a thin, even layer of thermal grease to the CPU's integrated heat spreader (IHS). A pea-sized dot or a thin line across the center is usually sufficient.



Image Description: A hand applying thermal paste to the CPU on a motherboard.

5. Install Pump Assembly:

Carefully place the pump assembly over the four standoffs, ensuring the copper plate makes full contact with the CPU. Secure it with the four mounting nuts, tightening them in a diagonal pattern until snug.



Image Description: The pump assembly mounted on the CPU, with tubes extending towards the radiator.

6. Connect Fans and Pump:

Daisy chain the fans together using their short cables. Connect the last fan's cable to the provided extension cable. Connect the extension cable to the "CPU_FAN" header on your motherboard. Connect the 3-pin cable from the radiator pump to the "PUMP_FAN" header on your motherboard. Ensure all connections are secure.

Latest V7 Water PUMP

The built-in latest V7 water pump offers enhanced cooling performance.



SPEED	RPM	TDP	W
2900		300	

Image Description: Shows the fans daisy-chained together and the cables neatly managed, highlighting the simplified wiring.

OPERATING INSTRUCTIONS

Once installed, the ID-COOLING FX240 PRO operates automatically, regulating fan and pump speeds based on CPU temperature. For optimal performance and longevity, consider the following:

- BIOS/UEFI Settings:** Access your motherboard's BIOS/UEFI settings to ensure the CPU_FAN and PUMP_FAN headers are set to PWM or DC mode (depending on your motherboard's capabilities) and configured for optimal cooling performance. You may adjust fan curves to balance noise and cooling efficiency.
- System Airflow:** Ensure your PC case has adequate airflow to support the radiator. Proper intake and exhaust fan placement will significantly impact cooling performance.
- Temperature Monitoring:** Use monitoring software (e.g., HWMonitor, CPU-Z) to keep an eye on your CPU temperatures, especially during heavy workloads, to confirm the cooler is performing as expected.

MAINTENANCE

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

- Dust Removal:** Periodically clean dust from the radiator fins and fans using compressed air. Accumulation of dust can impede airflow and reduce cooling efficiency.
- Check Connections:** Occasionally check all cable connections (fan, pump, power) to ensure they are secure.
- Inspect Tubing:** Visually inspect the tubing for any signs of kinks, leaks, or damage. While rare, addressing these issues promptly can prevent system damage.
- Thermal Paste:** Reapply thermal paste if you ever remove the water block from the CPU. It is generally not necessary to reapply thermal paste unless the cooler is removed.

TROUBLESHOOTING

If you encounter issues with your ID-COOLING FX240 PRO, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
High CPU Temperatures	Improper thermal paste application, loose water block, insufficient airflow, dust buildup.	Reapply thermal paste, ensure water block is securely mounted, clean radiator/fans, improve case airflow.
Fans Not Spinning / Pump Not Working	Incorrect cable connection, faulty header, power issue.	Check fan/pump connections to motherboard headers (CPU_FAN, PUMP_FAN), ensure headers are enabled in BIOS, test with different headers if available.
Unusual Noise from Cooler	Air bubbles in loop, fan bearing noise, pump noise.	Orient radiator correctly to allow air bubbles to settle in the radiator, check fan screws for tightness, if pump noise is excessive and persistent, contact support.

WARRANTY AND SUPPORT

ID-COOLING products are backed by a manufacturer's warranty. For specific warranty terms, technical support, or service inquiries, please visit the official ID-COOLING website or contact their customer support directly.

Manufacturer: ID-COOLING

Official Store: [ID-COOLING Amazon Store](#)