

ID-COOLING SE-904-XT

ID-COOLING SE-904-XT BLACK CPU Cooler Instruction Manual

Model: SE-904-XT BLACK

INTRODUCTION

Thank you for purchasing the ID-COOLING SE-904-XT BLACK CPU Air Cooler. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and longevity of your product. Please read this manual thoroughly before installation and keep it for future reference.

SAFETY INFORMATION

- Always disconnect power from your computer before installing or servicing any components.
- Handle the cooler and its components with care to avoid damage.
- Keep out of reach of children.
- Ensure proper grounding to prevent electrostatic discharge (ESD) damage to sensitive components.
- Do not attempt to modify the cooler or its components. Unauthorized modifications may void your warranty and pose safety risks.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- ID-COOLING SE-904-XT BLACK CPU Cooler (Heatsink and 120mm PWM Fan)
- Universal Mounting Brackets for Intel and AMD sockets
- Backplate
- Mounting Screws and Spacers

- Thermal Paste
- User Manual (this document)

Universal Mounting Kits

Compatible with latest Intel and AMD sockets.

Intel LGA1851/1700/1200/115X AMD AM5/AM4

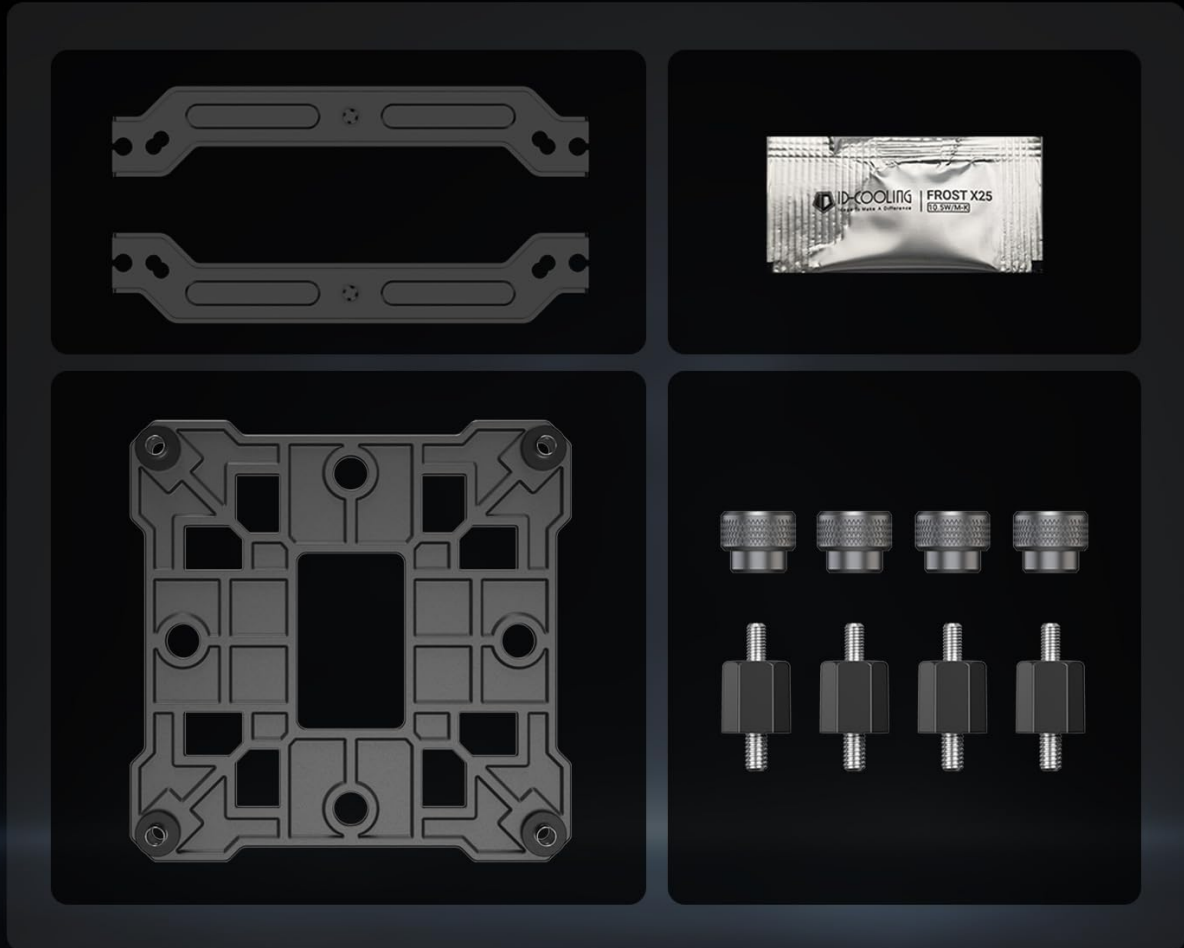


Image: Universal Mounting Kits. This image displays the various brackets and hardware included for both Intel and AMD CPU sockets, along with a tube of thermal paste.

SETUP AND INSTALLATION

The ID-COOLING SE-904-XT BLACK CPU Cooler features an easy assembly process with tool-free backplate and clamp-style mounting, supporting a wide range of Intel and AMD sockets including LGA1700 and AM5.

1. Prepare the Motherboard

- Ensure your CPU is properly seated in its socket.
- Clean the CPU surface thoroughly with isopropyl alcohol to remove any old thermal paste or residue.

2. Install the Backplate

- Identify the correct backplate and mounting screws for your CPU socket (Intel or AMD).

- Place the backplate on the rear side of the motherboard, aligning the holes with the CPU socket mounting holes.
- Insert the appropriate standoffs/screws through the motherboard from the front, securing them to the backplate.

3. Apply Thermal Paste

- Apply a small amount of thermal paste (pea-sized dot or thin line) to the center of the CPU's integrated heat spreader (IHS). Do not spread it manually; the pressure from the cooler will distribute it evenly.

4. Mount the Heatsink

- Carefully place the heatsink onto the CPU, aligning the mounting holes on the heatsink base with the standoffs/screws on the motherboard.
- Secure the heatsink using the provided mounting clips or screws, tightening them gradually in a diagonal pattern until snug. Avoid overtightening.

5. Attach the Fan

- Attach the 120mm PWM fan to the heatsink using the included fan clips. Ensure the fan is oriented to blow air through the heatsink towards the rear or top of your PC case for optimal airflow.
- Connect the fan's 4-pin connector to the CPU_FAN header on your motherboard.



Image: Front view of the ID-COOLING SE-904-XT BLACK CPU Cooler, showing the fan and heatsink assembly.

No RAM Interference

A compact cooler that never blocks your memory slots.

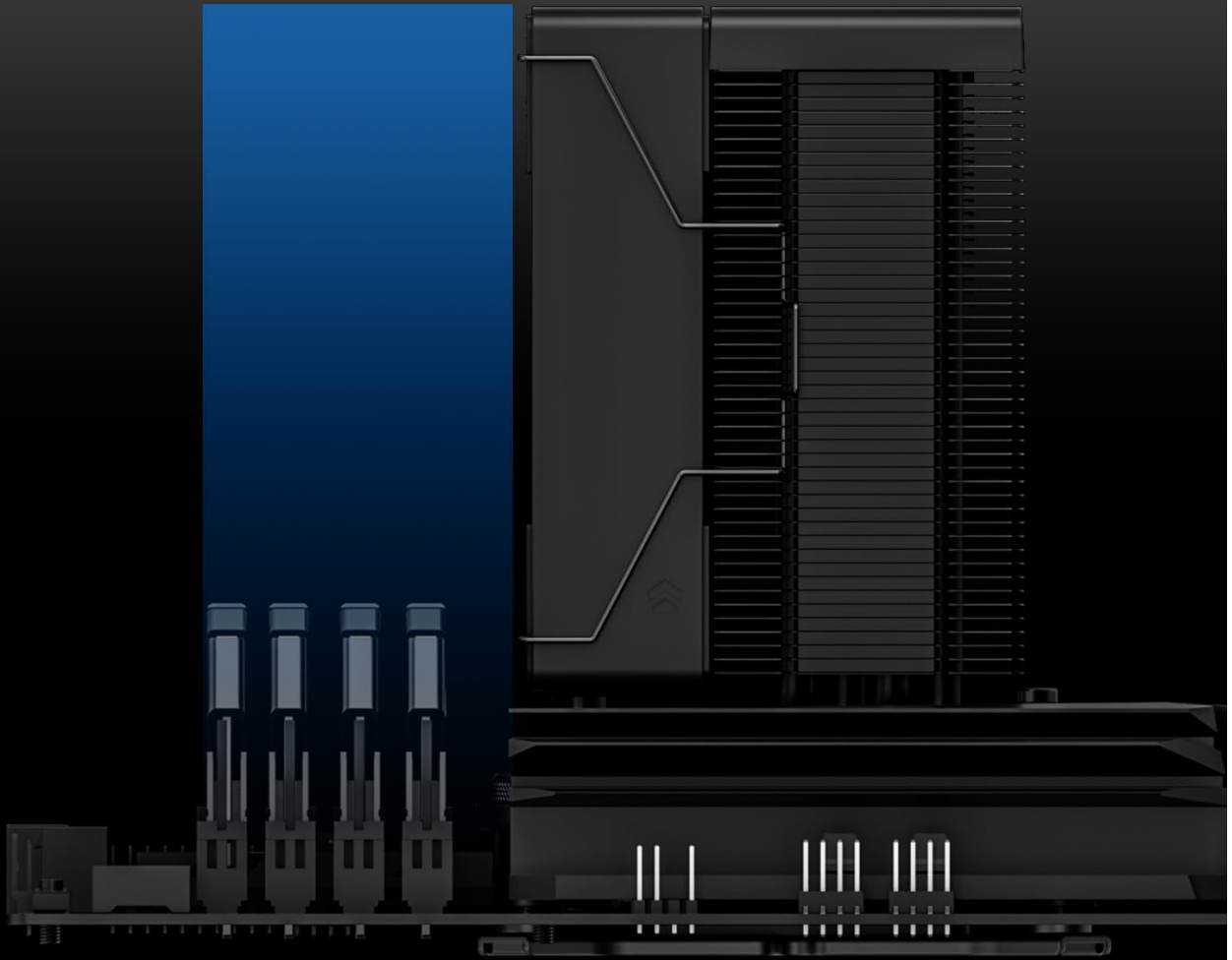


Image: Diagram illustrating the compact design of the cooler, ensuring no interference with RAM slots on the motherboard.

Fits Most Tower Cases

A small, space-saving cooler designed to work with most tower PC cases.



Image: The ID-COOLING SE-904-XT BLACK CPU Cooler installed in a PC case, highlighting its compact 123mm dimension for compatibility with most tower cases.

OPERATING INSTRUCTIONS

The ID-COOLING SE-904-XT BLACK CPU Cooler is designed for efficient and quiet operation. The 120mm PWM fan automatically adjusts its speed based on CPU temperature, providing optimal cooling performance while minimizing noise.

Fan Control

The fan is a Pulse Width Modulation (PWM) controlled fan. Your motherboard's BIOS/UEFI settings or operating system software can be used to configure fan curves and monitor fan speed. Ensure the CPU_FAN header is set to PWM mode for proper control.

Cooling Performance

This cooler features a high heat dissipation design with large aluminum fins and 4 U-shaped heat pipes to efficiently dissipate heat. It is suitable for a wide range of CPUs, offering significant temperature improvements over stock

Quiet, Powerful Cooling

A compact fan that delivers strong airflow while keeping noise to a minimum.

-  **Fan Speed :**
500~2500±10%RPM
-  **Max. Air Flow :**
47.1CFM
-  **Max. Static Pressure :**
1.94mmH2O
-  **Noise :**
29.1dB(A) Max.

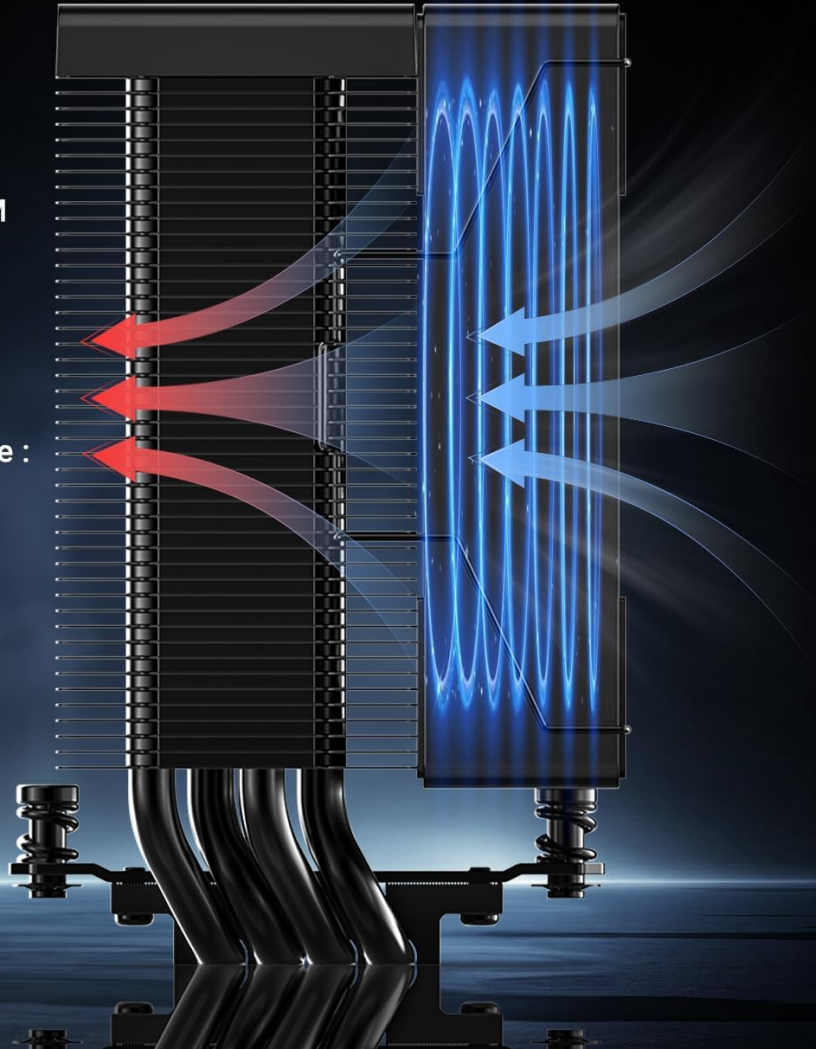


Image: Diagram detailing the cooling performance specifications, including Fan Speed (500-2500±10% RPM), Max. Air Flow (47.1 CFM), Max. Static Pressure (1.94mmH2O), and Noise (29.1dB(A) Max).



Image: The ID-COOLING SE-904-XT BLACK CPU Cooler shown installed within a computer system, demonstrating its compact fit.

MAINTENANCE

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

Cleaning the Heatsink and Fan

- Periodically (every 3-6 months, or more frequently in dusty environments), disconnect power and open your PC case.
- Use compressed air to blow dust out of the heatsink fins and fan blades. Hold the fan blades gently to prevent them from spinning excessively during cleaning, which can damage the bearings.
- For stubborn dust, you may carefully remove the fan from the heatsink (if applicable) and clean it separately with a soft brush or cloth.

Thermal Paste Reapplication

- Thermal paste typically lasts for several years. However, if you notice significantly higher CPU temperatures or

if you remove the cooler for any reason, it is recommended to reapply fresh thermal paste.

- To reapply, carefully remove the cooler, clean both the CPU IHS and the cooler's base thoroughly with isopropyl alcohol, and then apply new thermal paste as described in the 'Setup and Installation' section.

TROUBLESHOOTING

If you encounter issues with your ID-COOLING SE-904-XT BLACK CPU Cooler, refer to the following common problems and solutions:

Fan Not Spinning or Spinning Slowly

- **Check Power Connection:** Ensure the 4-pin fan connector is securely plugged into the CPU_FAN header on your motherboard.
- **BIOS/UEFI Settings:** Verify that the CPU_FAN header is enabled and configured correctly (e.g., set to PWM mode) in your motherboard's BIOS/UEFI.
- **Obstructions:** Check for any cables or debris obstructing the fan blades.

High CPU Temperatures

- **Thermal Paste:** Ensure thermal paste was applied correctly and is not dried out. Reapply if necessary.
- **Mounting Pressure:** Confirm the cooler is securely mounted and making good contact with the CPU. Uneven pressure can lead to poor heat transfer.
- **Airflow:** Check your PC case's overall airflow. Ensure intake and exhaust fans are properly oriented and not obstructed.
- **Dust Buildup:** Clean the heatsink fins and fan blades as described in the 'Maintenance' section.

Excessive Noise

- **Dust Buildup:** Clean the fan blades and heatsink.
- **Fan Bearings:** If the fan makes a grinding or rattling noise, the bearings might be failing. Consider replacing the fan.
- **Fan Curve:** Adjust the fan speed curve in your motherboard's BIOS/UEFI to a quieter profile if temperatures allow.

SPECIFICATIONS

Feature	Specification
Brand	ID-COOLING
Model Number	SE-904-XT BLACK
Cooler Type	Air Cooler (Tower Type)
Heat Pipes	4 U-shaped Heat Pipes
Fan Size	120mm PWM Fan
Fan Speed	500-2500 ±10% RPM

Max. Air Flow	47.1 CFM
Max. Static Pressure	1.94 mmH2O
Noise Level	27.2 dB(A) Max
Power Connector	4-Pin PWM
Compatibility	Intel: LGA1851/1700/1200/115X AMD: AM5/AM4
Dimensions (Heatsink)	Compact, slim profile (e.g., 123mm width for case compatibility)
Included Components	CPU Cooler, Mounting Kit, Thermal Paste, Manual
Country of Origin	China

WARRANTY AND SUPPORT

ID-COOLING products are manufactured to the highest quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the official ID-COOLING website or your local distributor for specific warranty terms and conditions applicable to your region.

Technical Support

For technical assistance, troubleshooting, or inquiries regarding your ID-COOLING SE-904-XT BLACK CPU Cooler, please visit the official ID-COOLING support website or contact their customer service department. Contact information can typically be found on the product packaging or the official website.

Website: www.idcooling.com