

[Manuals.plus](#) /

› [ID-COOLING](#) /

› ID-COOLING IS-53-XT Black Low-Profile CPU Cooler

ID-COOLING IS-53-XT BLACK

ID-COOLING IS-53-XT Black Low-Profile CPU Cooler

Model: IS-53-XT BLACK

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ID-COOLING IS-53-XT Black Low-Profile CPU Cooler. Designed for efficient heat dissipation in compact systems, this cooler ensures optimal performance for your desktop CPU. Please read this manual thoroughly before installation to ensure proper setup and longevity of your product.

PRODUCT OVERVIEW



Figure 1: The ID-COOLING IS-53-XT Black Low-Profile CPU Cooler, showcasing its compact design with a top-mounted fan and heat sink fins. The cooler is entirely black, designed for efficient heat dissipation in small form factor PC builds.

The ID-COOLING IS-53-XT is a low-profile CPU cooler engineered to provide effective cooling solutions for systems with limited vertical clearance. It features a robust heatsink and a high-performance fan to maintain optimal CPU temperatures, crucial for system stability and performance.

SPECIFICATIONS

Feature	Value
Brand	ID-COOLING
Model Number	IS-53-XT BLACK
Cooling Method	Air
Compatible Devices	Desktop
Noise Level	33.2 dB
Maximum Rotational Speed	3000 RPM
Air Flow Capacity	47.5 Cubic Feet Per Minute

Feature	Value
Parcel Dimensions	13 x 12.9 x 10.21 cm
Item Weight	630 g

SETUP AND INSTALLATION

Follow these steps carefully to install your ID-COOLING IS-53-XT CPU Cooler. Ensure your system is powered off and unplugged before beginning installation.

- 1. Prepare Motherboard:** Identify the CPU socket type on your motherboard. The cooler supports various Intel and AMD sockets. Refer to your motherboard manual for specific CPU socket information.
- 2. Apply Thermal Paste:** Clean the surface of your CPU and apply a small amount of thermal paste to the center of the CPU's integrated heat spreader (IHS). A pea-sized amount is generally sufficient. Do not spread it manually; the pressure from the cooler will distribute it.
- 3. Position Cooler:** Carefully align the cooler's mounting holes with the corresponding holes on the motherboard or the backplate. Ensure the cooler is oriented correctly to avoid interference with RAM modules or VRM heatsinks.
- 4. Secure Cooler:** Gently place the cooler onto the CPU. Using the provided mounting hardware (screws, standoffs, and brackets), secure the cooler evenly. Tighten screws in a diagonal pattern (e.g., top-left, bottom-right, top-right, bottom-left) to ensure even pressure distribution. Do not overtighten.
- 5. Connect Fan Cable:** Locate the CPU fan header on your motherboard (usually labeled "CPU_FAN"). Connect the cooler's fan cable to this header. Ensure the connector is fully seated.
- 6. Final Checks:** Double-check all connections and ensure no cables are obstructing the fan blades. Close your PC case and reconnect power.

OPERATING INSTRUCTIONS

The ID-COOLING IS-53-XT CPU Cooler operates automatically once installed and connected to the motherboard's CPU fan header. The fan speed is typically controlled by the motherboard's BIOS/UEFI settings or operating system software, based on CPU temperature. No manual intervention is required for its basic operation.

- BIOS/UEFI Settings:** For advanced users, fan curves can be adjusted in the motherboard's BIOS/UEFI to optimize cooling performance and noise levels. Consult your motherboard manual for specific instructions on accessing and modifying fan control settings.
- Monitoring:** Use system monitoring software (e.g., HWMonitor, Core Temp) to observe CPU temperatures and fan speeds to ensure proper cooling performance.

MAINTENANCE

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

- **Dust Removal:** Periodically (every 3-6 months, depending on environment) clean dust from the heatsink fins and fan blades. Use compressed air or a soft brush. Ensure the fan is held stationary while cleaning with compressed air to prevent over-spinning and potential damage.
- **Fan Inspection:** Check the fan for any signs of wear, unusual noises, or obstructions. Ensure the fan spins freely.
- **Thermal Paste:** While not frequently required, if you remove the cooler for any reason, it is recommended to clean off old thermal paste from both the CPU and the cooler's base and apply fresh thermal paste before reinstallation.

TROUBLESHOOTING

If you encounter issues with your CPU cooler, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
CPU Overheating	Improper thermal paste application; Fan not spinning; Insufficient airflow in case; Cooler not seated properly.	Reapply thermal paste; Check fan connection to CPU_FAN header; Ensure case fans are properly configured; Reseat cooler, ensuring even pressure.
Fan Not Spinning	Fan cable disconnected; Faulty fan header; Fan obstruction.	Verify fan cable is securely connected to CPU_FAN header; Try a different fan header if available; Remove any obstructions from fan blades.
Excessive Fan Noise	Dust accumulation; Loose fan; Fan curve set too aggressively in BIOS.	Clean dust from fan and heatsink; Ensure fan is securely mounted; Adjust fan curve in BIOS/UEFI to a less aggressive setting.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official ID-COOLING website or contact their customer service. Keep your proof of purchase for warranty claims.

ID-COOLING Official Website: www.idcooling.com

For further assistance, please contact ID-COOLING support with your product model number (IS-53-

XT BLACK) and a detailed description of the issue.