

Shaking Tank JF13K Diamond

JIUSHARK JF13K Diamond Top-Down CPU Air Cooler Instruction Manual

Model: JF13K Diamond

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your JIUSHARK JF13K Diamond Top-Down CPU Air Cooler. Designed for high-performance cooling, this unit features 7 x 6mm copper heat pipes and two 120x120x15mm PWM fans, offering a Thermal Design Power (TDP) of 250W. It is compatible with Intel LGA 1700/1200/115X and AMD AM5/AM4/AM2 sockets.

The JF13K Diamond is engineered with a diversion air duct system and a copper sole brazing + CNC fine microsculpting convex process to ensure rapid heat dissipation and efficient cooling, effectively reducing motherboard MOS tube and memory temperatures by 10-20°C.

Scope of application



Installation OK

2 ATX mainboard <235mm in width

Pay attention

Motherboard width requirement
MATX motherboard 235-245 wide
ATX motherboard 235-245 wide
Or above the size can be installed

This product does not apply to ATX motherboards with a width <235mm



Scope of non-applicability

① ITX motherboard



This product does not work with all ITX motherboards

Support platform

Intel
LGA 1700/1200/115X



AMD
AM2/AM4/AM5



Image Description: This image highlights the cooler's internal structure, emphasizing its 7 high-load heat pipes and two high-performance fans, designed for rapid heat loss and supporting a TDP of up to 250W.



White ARGB



black

Specification of dimensions

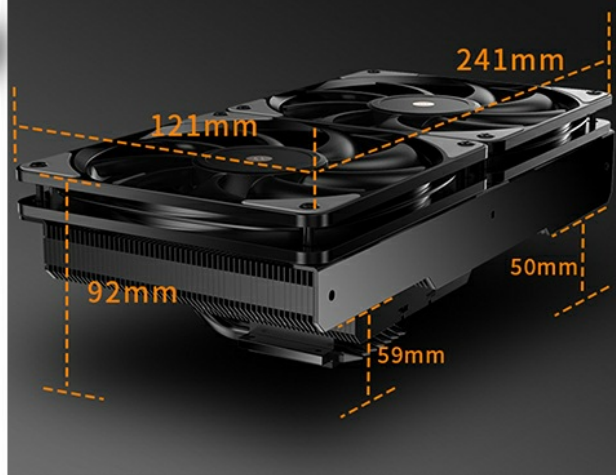


Image Description: The cooler is shown mounted on a motherboard, demonstrating its top-down design which helps cool surrounding components like MOS tubes and memory, reducing their temperature by 10-20°C.

SETUP AND INSTALLATION

Before beginning installation, ensure your motherboard meets the specified width requirements. This cooler is designed for specific motherboard dimensions to ensure proper fit and compatibility with memory and I/O panels. The copper tubes must be oriented towards the graphics card during installation.

Package Contents

- JIUSHARK JF13K Diamond CPU Air Cooler unit
- Mounting brackets for Intel and AMD sockets
- Thermal paste
- User's Manual (this document)

Dimensions and Compatibility

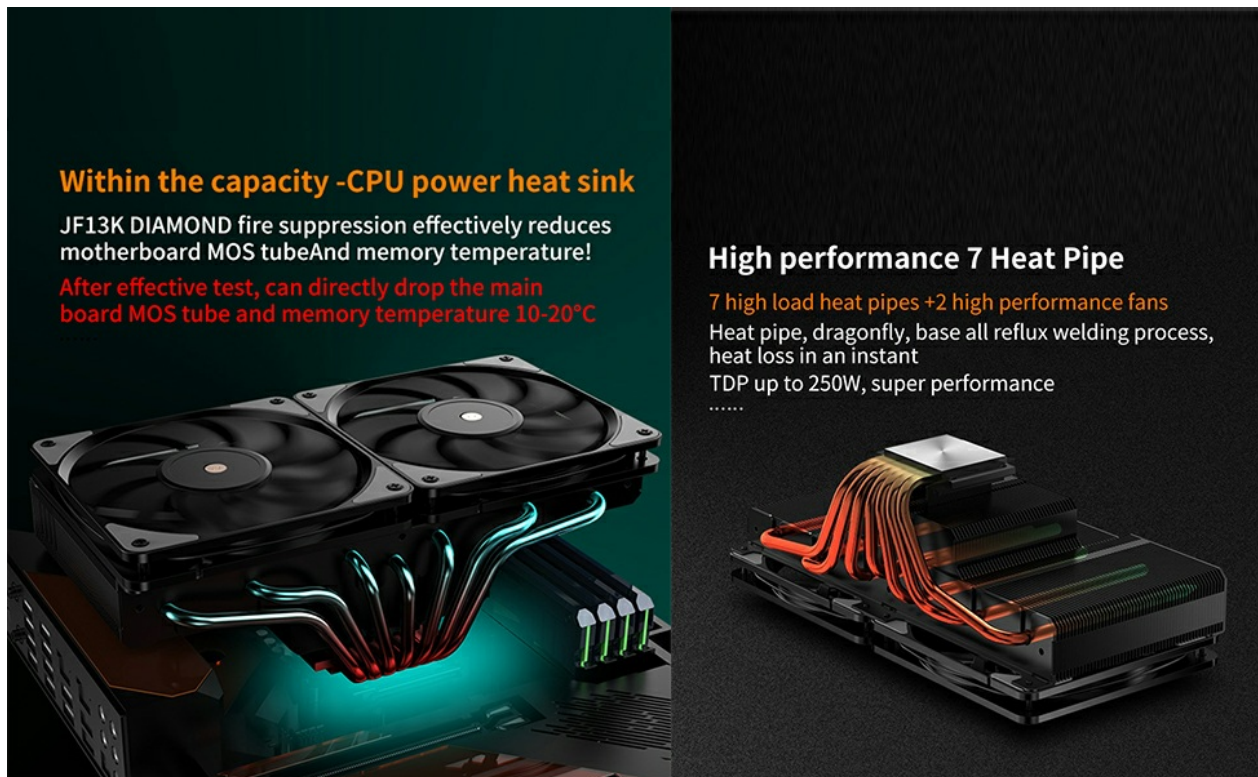
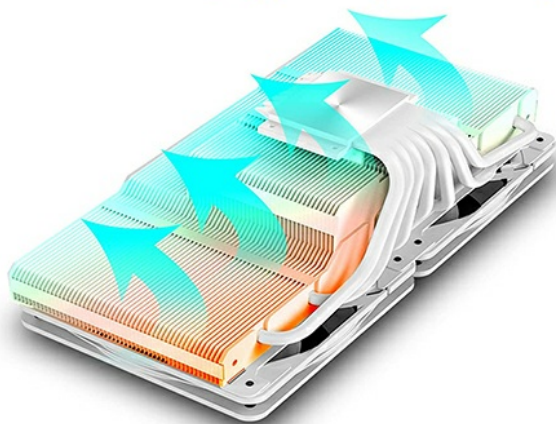


Image Description: This diagram illustrates the physical dimensions of the JF13K Diamond cooler, including its length (241mm), width (121mm), and overall height (92mm). It also highlights the 15mm thickness of the fans.

Diversion Duct

*Air duct between scales
 Rapid heat dissipation
 Ensure that the CPU is running rapidly at normal temperature and does not get stuck*



ARGB FAN

*High transparency fan blade
 8 bright LED light beads
 Uniform light effect without breakpoints*



Image Description: This image details the motherboard compatibility, showing that MATX and ATX motherboards with a width of 235-245mm are suitable. It explicitly states incompatibility with ITX motherboards and ATX motherboards narrower than 235mm. Supported CPU sockets are Intel LGA 1700/1200/115X and AMD AM2/AM4/AM5.

Installation Steps (General)

1. Prepare your motherboard by installing the appropriate backplate and standoffs for your CPU socket (Intel LGA1700/1200/115X or AMD AM5/AM4/AM2).
2. Apply a small amount of thermal paste to the center of your CPU's Integrated Heat Spreader (IHS).
3. Carefully place the cooler onto the CPU, ensuring the copper tubes are oriented towards the graphics card.
4. Secure the cooler using the provided mounting brackets and screws, tightening them evenly in a cross pattern until snug. Avoid overtightening.
5. Connect the 4-pin PWM fan cables to the CPU fan header on your motherboard.
6. Verify all connections are secure and the cooler is firmly seated.

OPERATING INSTRUCTIONS

The JIUSHARK JF13K Diamond CPU Air Cooler operates automatically, with its two 120mm PWM fans adjusting speed based on CPU temperature. This ensures optimal cooling performance while minimizing noise. The fan speed ranges from 800-1800 RPM, providing an air flow capacity of 23.46-64.51 CFM and a noise level of 28.9 decibels.

For best performance, ensure adequate airflow within your PC case. Monitor CPU temperatures using system monitoring software to confirm effective cooling.

MAINTENANCE

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

Cleaning

- Periodically clean dust from the heatsink fins and fan blades using compressed air or a soft brush. Ensure the system is powered off and unplugged before cleaning.
- Avoid touching the thermal paste on the CPU or cooler base unless reapplying.

Thermal Paste Reapplication

- It is recommended to reapply thermal paste every 1-2 years, or if the cooler is removed for any reason.
- When reapplying, carefully clean off old thermal paste from both the CPU IHS and the cooler's contact plate using isopropyl alcohol and a lint-free cloth before applying new paste.

TROUBLESHOOTING

High CPU Temperatures

- **Check Installation:** Ensure the cooler is correctly installed and securely mounted to the CPU, with proper thermal paste application.
- **Fan Connections:** Verify that the fan cables are securely connected to the motherboard's CPU fan header.
- **Airflow:** Confirm that your PC case has adequate airflow and that case fans are properly oriented to exhaust hot air and intake cool air.
- **Dust Buildup:** Clean any dust accumulated on the heatsink fins and fan blades.

Cooler Does Not Fit

- **Motherboard Compatibility:** Re-check your motherboard's width against the specified requirements (MATX/ATX 235-245mm wide). This cooler is not compatible with ITX motherboards or ATX motherboards narrower than 235mm.
- **Case Clearance:** Ensure your PC case has sufficient clearance for the cooler's dimensions (9.49"L x 4.76"W x 3.62"H).
- **Orientation:** Confirm the cooler is installed with the copper tubes facing the graphics card, as specified.

Fan Noise

- **Dust:** Clean fans to remove any dust that might be causing imbalance or obstruction.
- **Fan Speed Settings:** Adjust fan speed curves in your motherboard's BIOS/UEFI settings or through software to find a balance between cooling and noise.

PRODUCT SPECIFICATIONS

Feature	Specification
Model	JF13K Diamond
Dimensions (L x W x H)	9.49" x 4.76" x 3.62" (241mm x 121mm x 92mm)
Brand	Shaking Tank
Power Connector Type	4-Pin PWM
Voltage	12 Volts
Wattage (TDP)	250 Watts
Cooling Method	Air (Fan)
Compatible Devices	Desktop
Noise Level	28.9 Decibels
Material	Copper
Maximum Rotational Speed	1800 RPM
Air Flow Capacity	64.51 Cubic Feet Per Minute (CFM)
Item Weight	895 Grams
Supported Sockets	Intel LGA 1700/1200/115X, AMD AM5/AM4/AM2

WARRANTY INFORMATION

This product comes with a standard manufacturer's warranty. Please refer to the warranty card included in the original packaging or contact customer support for specific details regarding warranty duration and terms. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact the manufacturer, Shaking Tank.

Manufacturer: Shaking Tank

Contact information may be found on the product packaging or the official JIUSHARK website.