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Cooler Master HK8-00005

Cooler Master HK8-00005 CPU Cooler Instruction Manual

Model: HK8-00005 | Brand: Cooler Master

1. Introduction

Thank you for choosing the Cooler Master HK8-00005 CPU Cooler. This product is designed to provide efficient cooling for your Socket FM2+/FM2 processors, ensuring stable system performance. This manual will guide you through the installation, operation, and maintenance of your new CPU cooler.

This image displays the Cooler Master HK8-00005 CPU cooler, featuring a red fan mounted on an aluminum heatsink with visible copper heatpipes extending from the base. The fan has a 4-pin connector cable.

2. Safety Information

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

- Always disconnect power from your computer before installing or removing any components.
- Handle the CPU cooler and other components with care to avoid damage.
- Avoid touching the fan blades while the system is powered on.
- Keep out of reach of children.
- Ensure proper grounding to prevent electrostatic discharge (ESD) damage.

3. Package Contents

Verify that all items are present in your package:

- Cooler Master HK8-00005 CPU Cooler (Heatsink with pre-attached fan)
- Mounting clips/bracket (pre-attached or included)
- Thermal paste (pre-applied or in a small tube)

If any items are missing or damaged, please contact your retailer or Cooler Master support.

4. Setup and Installation

This section outlines the steps for installing the Cooler Master HK8-00005 CPU cooler onto your motherboard.

4.1 Pre-Installation

1. **Prepare your system:** Power off your computer and disconnect the power cable. Open your computer case.
2. **Remove old cooler (if applicable):** If replacing an existing cooler, carefully remove it. Clean any old thermal paste from the CPU surface using isopropyl alcohol and a lint-free cloth.
3. **Inspect CPU and socket:** Ensure your CPU is correctly seated in the Socket FM2+/FM2 and that there are no bent pins.

4.2 Applying Thermal Paste

If your cooler does not have pre-applied thermal paste, apply a small pea-sized amount 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.

4.3 Mounting the Cooler

1. **Position the cooler:** Align the cooler's mounting clips with the retention brackets on your Socket FM2+/FM2 motherboard.
2. **Secure the clips:** Press down firmly on one side of the cooler's clip until it latches onto the motherboard bracket. Then, press down on the opposite side until it also latches securely. Ensure both clips are fully engaged.
3. **Verify stability:** Gently try to move the cooler. It should be firmly attached to the motherboard without excessive movement.

4.4 Connecting the Fan

Locate the 4-pin fan connector cable from the cooler. Connect it to the CPU_FAN header on your motherboard. Refer to your motherboard manual for the exact location of this header.

5. Operating Instructions

Once the cooler is installed, close your computer case, reconnect the power cable, and power on your system.

- **BIOS/UEFI Check:** Enter your system's BIOS/UEFI settings. Verify that the CPU fan is detected and spinning at an appropriate speed.
- **Operating System Monitoring:** Once in your operating system, use a hardware monitoring utility (e.g., HWMonitor, Core Temp) to check CPU temperatures. Ensure temperatures are within safe operating limits, especially under load.
- The fan's 4-pin connector supports Pulse Width Modulation (PWM), allowing the motherboard to control fan speed based on CPU temperature for optimal cooling and noise levels.

6. Maintenance

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

- **Dust Cleaning:** Periodically (e.g., every 3-6 months), power off your computer and use compressed air to gently blow dust out of the heatsink fins and fan blades. Hold the fan blades to prevent them from spinning rapidly during cleaning, which can damage the fan motor.
- **Thermal Paste Reapplication:** If you remove the cooler for any reason, it is recommended to clean off the old thermal paste from both the CPU and the cooler base and apply fresh thermal paste before reinstallation.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Fan not spinning	Fan cable disconnected; Fan failure	Ensure the 4-pin fan cable is securely connected to the CPU_FAN header. Check BIOS settings. If still not spinning, the fan may be faulty.
High CPU temperatures	Improper cooler installation; Insufficient thermal paste; Excessive dust buildup; Fan not spinning at optimal speed	Verify cooler is securely mounted. Reapply thermal paste. Clean dust from heatsink and fan. Check BIOS for fan speed settings.
Loud fan noise	Fan spinning at maximum RPM; Dust buildup; Fan bearing issue	Check BIOS/UEFI for fan speed control settings (PWM). Clean dust. If noise persists, the fan may be failing.

8. Specifications

Feature	Detail
Brand	Cooler Master
Model	HK8-00005
Compatible Sockets	Socket FM2+, Socket FM2
Product Dimensions (L x W x H)	3.15" x 3.03" x 2.36" (80mm x 77mm x 60mm)
Material	Aluminum (Heatsink), Copper (Heatpipes)
Fan Size	2.75" (approx. 70mm)
Power Connector Type	4-Pin (PWM)
Voltage	12 Volts
Wattage	2.4 watts
Noise Level	30 Decibels
Maximum Rotational Speed	1800 RPM

Feature	Detail
Compatible Devices	Desktop

9. Warranty and Support

Cooler Master products are backed by a manufacturer's warranty. Please refer to the official Cooler Master website or your product's packaging for specific warranty terms and conditions applicable to your region.
For technical support, troubleshooting assistance, or warranty claims, please visit the official Cooler Master support website or contact their customer service department. Have your product model number (HK8-00005) and proof of purchase ready when contacting support.

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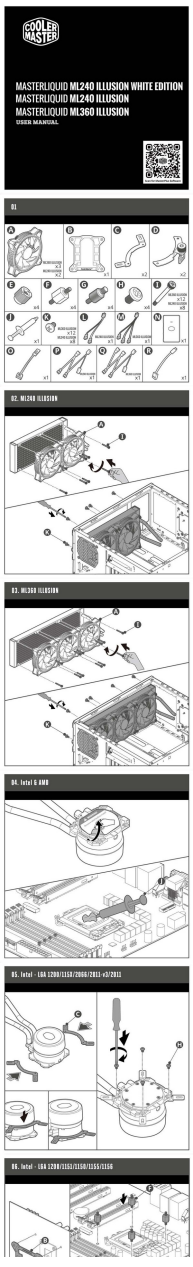
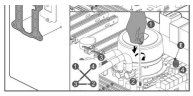
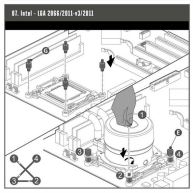
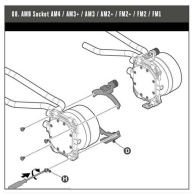
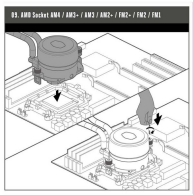
Related Documents - HK8-00005

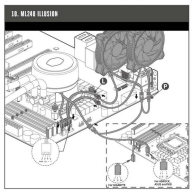


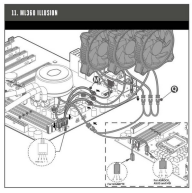


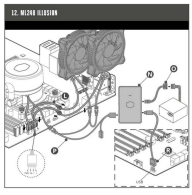


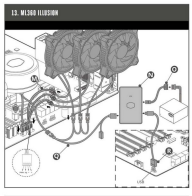


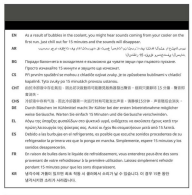


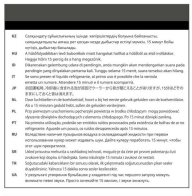












[Cooler Master MasterLiquid ML240 Illusion White Edition User Manual]

User manual for the Cooler Master MasterLiquid ML240 Illusion White Edition, ML240 Illusion, and ML360 Illusion CPU liquid coolers. Includes installation instructions for Intel and AMD sockets, and troubleshooting tips.

	Cooler Master Hyper T20 CPU Cooler Installation Guide User manual for the Cooler Master Hyper T20 CPU cooler, providing step-by-step installation instructions for Intel LGA sockets (775, 1150, 1151, 1155, 1156) and AMD AM sockets (AM4, AM3, AM3+, AM2, AM2+, FM1, FM2, FM2+). Includes package contents and contact information.
	Cooler Master Hyper H410R/H411R/H412R CPU Cooler Installation Guide Comprehensive installation instructions and package contents for Cooler Master's Hyper H410R, H411R, and H412R CPU coolers, covering compatibility with various Intel and AMD CPU sockets.
	Cooler Master Hyper D92 CPU Cooler Installation Manual Comprehensive user manual for the Cooler Master Hyper D92 CPU cooler, providing detailed installation instructions for Intel and AMD motherboards, parts list, and support information.
	Cooler Master Hyper T200 CPU Cooler Installation and User Manual Comprehensive guide for installing and using the Cooler Master Hyper T200 CPU cooler on Intel and AMD platforms. Includes parts list and step-by-step instructions.
	Cooler Master Hyper 212 EVO V2 CPU Cooler Installation Manual Comprehensive installation guide for the Cooler Master Hyper 212 EVO V2 CPU cooler, covering package contents, compatibility with Intel and AMD sockets, and step-by-step assembly instructions.