

Havit F2005

Havit Gamenote F2005 CPU Cooler: Instruction Manual

Model: F2005

1. INTRODUCTION

The Havit Gamenote F2005 is a 120mm RGB CPU Cooler designed to provide efficient cooling for your computer's processor. It features copper pipe technology for enhanced heat dissipation and integrated RGB lighting for visual customization. This cooler is compatible with various Intel and AMD sockets, ensuring stable performance even during demanding tasks.

This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of your Havit Gamenote F2005 CPU Cooler. Please read it carefully before proceeding with installation.



Image 1.1: Angled view of the Havit Gamenote F2005 CPU Cooler, showcasing the RGB fan and heatsink design.

2. SETUP AND INSTALLATION

Before beginning installation, ensure your computer is powered off and disconnected from the main power supply.

Refer to your motherboard's manual for specific CPU cooler mounting instructions if needed.

2.1 Package Contents

Verify that all components are present in the package:

- Havit Gamenote F2005 CPU Cooler (Heatsink and Fan assembly)
- Mounting brackets for Intel sockets (LGA 1700, 1200, 115x)
- Mounting brackets for AMD sockets (AM4, AM5)
- Thermal paste
- Screws and backplate (if applicable for your socket type)

2.2 Installation Steps

1. **Prepare the CPU:** Clean the surface of your CPU and the cooler's base plate thoroughly with isopropyl alcohol to remove any old thermal paste or residue.
2. **Apply Thermal Paste:** Apply a small, pea-sized amount of thermal paste to the center of your CPU's integrated heat spreader (IHS). Do not spread it manually; the pressure from the cooler will distribute it evenly.
3. **Attach Mounting Brackets:** Secure the appropriate mounting brackets for your CPU socket (Intel LGA or AMD AM) to the cooler's base. Ensure they are firmly attached.
4. **Position the Cooler:** Carefully align the cooler with the mounting holes on your motherboard. For Intel sockets, you may need to install a backplate behind the motherboard first.
5. **Secure the Cooler:** Gently press the cooler down onto the CPU and secure it using the provided screws. Tighten screws in a diagonal pattern (e.g., top-left, bottom-right, top-right, bottom-left) to ensure even pressure. Do not overtighten.
6. **Connect Fan Power:** Locate the CPU_FAN header on your motherboard and connect the cooler's 4-pin fan connector. Ensure it is securely plugged in.
7. **Connect RGB (Optional):** If your motherboard supports RGB control, connect the cooler's RGB cable to the appropriate RGB header on your motherboard. Refer to your motherboard manual for header location.

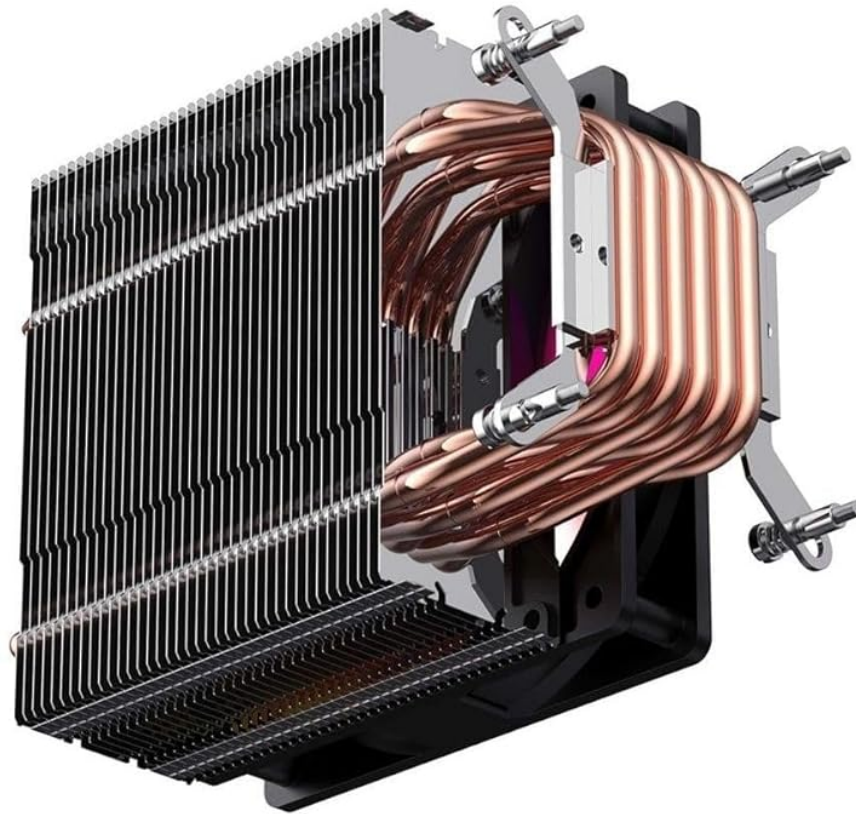


Image 2.1: Side view of the Havit Gamenote F2005 CPU Cooler, highlighting the copper heat pipes and aluminum fins for efficient heat transfer.



Image 2.2: Bottom view of the Havit Gamenote F2005 CPU Cooler, showing the direct contact copper heat pipes and the mounting bracket attachment points.

3. OPERATING INSTRUCTIONS

Once installed, the Havit Gamenote F2005 CPU Cooler operates automatically to maintain optimal CPU

temperatures.

3.1 Fan Operation

The 120mm fan's speed is controlled by your motherboard's BIOS/UEFI settings, typically adjusting automatically based on the CPU temperature. This ensures efficient cooling when needed and quiet operation during lighter loads. The Havit Gamenote F2005 is designed for quiet performance.

3.2 RGB Lighting

The integrated RGB lighting will illuminate upon system power-on. If connected to a compatible motherboard RGB header, you can control the lighting effects and colors using your motherboard's dedicated RGB software (e.g., ASUS Aura Sync, MSI Mystic Light, Gigabyte RGB Fusion, ASRock Polychrome Sync).



Image 3.1: Top-down view of the Havit Gamenote F2005 CPU Cooler, showcasing the vibrant RGB lighting of the fan.

4. MAINTENANCE

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

- **Dust Removal:** 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 bearings.
- **Check Connections:** Ensure all power and RGB cables remain securely connected to the motherboard.
- **Thermal Paste (Advanced):** After several years, or if you notice a significant increase in CPU temperatures, consider reapplying thermal paste. This involves carefully removing the cooler, cleaning both surfaces, and applying new thermal paste. This is an advanced procedure and should only be performed if you are comfortable with it.

5. TROUBLESHOOTING

If you encounter issues with your Havit Gamenote F2005 CPU Cooler, refer to the following common problems and solutions:

- **High CPU Temperatures:**
 - Ensure the cooler is securely mounted and making proper contact with the CPU.
 - Verify that thermal paste was applied correctly and is not dried out.
 - Check if the fan is spinning.
 - Clean any dust buildup from the heatsink fins.
 - Ensure adequate airflow within your PC case.
- **Fan Not Spinning:**
 - Check if the 4-pin fan connector is securely plugged into the CPU_FAN header on the motherboard.
 - Verify BIOS/UEFI settings to ensure the CPU fan control is enabled and not set to a very low RPM profile.
- **RGB Lighting Not Working:**
 - Ensure the RGB cable (if present) is correctly connected to a compatible RGB header on your motherboard.
 - Check your motherboard's RGB software for lighting control settings.
 - Verify that the RGB header on your motherboard is enabled in BIOS/UEFI.
- **Unusual Noise from Fan:**
 - Check for any cables or obstructions hitting the fan blades.
 - Ensure the fan is securely mounted and not vibrating.
 - Dust buildup can sometimes cause imbalance; clean the fan.

6. SPECIFICATIONS

| Feature | Detail |
|--------------------|------------------|
| Model Number | F2005 |
| Brand | Havit |
| Product Dimensions | 12 x 12 x 2.5 cm |
| Weight | 360 grams |
| Fan Size | 120 mm |

| Feature | Detail |
|--------------------------|---|
| CPU Socket Compatibility | Intel: LGA 1700, LGA 1200, LGA 115x (1150, 1151, 1155, 1156) AMD: AM4, AM5 |
| Rated Voltage | 12 Volt (DC) |
| Power in Watt | 200 Watt |
| Power Connector | 4-pin |
| Cooling Technology | Copper Heat Pipes, Aluminum Fins |
| Lighting | RGB |

7. WARRANTY AND SUPPORT

For detailed warranty information regarding your Havit Gamenote F2005 CPU Cooler, please refer to the official Havit website or contact your point of purchase. Warranty terms and conditions may vary by region and retailer. For technical support or further assistance, please visit the official Havit support page or contact their customer service department.