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havit F2001

Havit Gamenote F2001 240MM CPU Water Cooler User Manual

Model: F2001 | Brand: Havit Gamenote

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Havit Gamenote F2001 240MM CPU Water Cooler. Please read this manual carefully before installation to ensure proper setup and optimal performance.

2. Product Overview and Features

The Havit Gamenote F2001 is a high-performance 240MM all-in-one (AIO) liquid CPU cooler designed to provide efficient heat dissipation for your processor. It combines elegant lighting with robust cooling capabilities.

Key Features:

- **Elegant Lighting:** Attractive visual effects with colorful light effects.
- **High Cooling Performance:** Fan speed of 800-1800 RPM provides excellent cooling with an airflow of 68.1 CFM.
- **Quiet Operation:** Fan noise level is only 30 dBA, and pump noise is 27 dBA.
- **Durable Design:** High-pressure resistant cooler and long-lasting hydraulic bearing system.
- **Dual PWM Fans:** Supports dual fans for improved heat dissipation.
- **4-pin Aura Sync Support:** Lighting control compatible with your motherboard.

Product Components:



Figure 2.1: Havit Gamenote F2001 Water Cooler showing the radiator, two RGB fans, and the CPU block/pump unit.



Figure 2.2: Angled view of the F2001 cooler, highlighting the fan blades and the flexible tubing connecting the radiator to the pump.



Figure 2.3: Bottom view of the CPU block/pump unit, showing the copper cold plate and mounting brackets.



Figure 2.4: Side view of the 240MM radiator, illustrating its fin structure for heat dissipation.

3. Specifications

Feature	Value
Fan Speed	800-1800 RPM (±10%)
Pump Speed	2600 RPM (±10%)
Fan Size	120x120x25mm
Water Block Size	76x82x50 mm
Radiator Size	274x120x27 mm
Fan/Pump Voltage	12V
Fan Cable Length	600 mm
Pump Cable Length	500 mm
Noise Level (Fan)	30 dBA
Noise Level (Pump)	27 dBA
Cooling Method	Liquid (Water)
Compatible Devices	CPU

Compatibility:

- **Intel Sockets:** LGA115X/1200/1700/1366
- **AMD Sockets:** FM2/FM2+/AM3/AM4/AM5

4. Setup and Installation

Before beginning installation, ensure your system is powered off and unplugged. Refer to your motherboard manual for specific CPU socket and fan header locations.

General Installation Steps:

1. **Prepare CPU Socket:** Install the appropriate backplate and standoffs for your CPU socket (Intel or AMD).
2. **Apply Thermal Paste:** Apply a thin, even layer of thermal paste to the center of your CPU's integrated heat spreader (IHS).
3. **Mount CPU Block/Pump:** Carefully place the CPU block onto the CPU, aligning the mounting holes with the standoffs. Secure it with the provided thumb screws or nuts, tightening in a diagonal pattern until snug.
4. **Install Radiator and Fans:** Attach the two 120mm fans to the radiator using the long screws. Ensure the fan airflow direction is appropriate for your case (typically exhausting air out of the case).
5. **Mount Radiator:** Mount the radiator assembly to an available 240mm fan mount location in your PC case (e.g., top, front).
6. **Connect Cables:**
    - Connect the pump's 3-pin or 4-pin connector to the motherboard's dedicated AIO_PUMP or CPU_FAN header.
    - Connect the fan's 4-pin PWM connectors to the motherboard's CPU_FAN or SYS_FAN headers, or to a fan hub if available.
    - Connect the RGB lighting cable (if applicable, 4-pin Aura Sync) to your motherboard's RGB header.
7. **Cable Management:** Route cables neatly to avoid interference with other components or airflow.
8. **Power On and Test:** Power on your system and check for proper fan and pump operation. Monitor CPU temperatures using system monitoring software.

5. Operating Instructions

Once installed, the Havit Gamenote F2001 operates automatically, regulating fan and pump speeds based on CPU temperature. For optimal performance and longevity, consider the following:

- **BIOS/UEFI Settings:** Ensure your motherboard's BIOS/UEFI settings are configured to allow the CPU_FAN or AIO_PUMP header to run at full speed or be controlled by PWM for optimal cooling.
- **Software Control:** If connected to an RGB header, use your motherboard's RGB software (e.g., ASUS Aura Sync) to customize lighting effects.
- **Temperature Monitoring:** Regularly monitor your CPU temperatures using software like HWMonitor, Core Temp, or your motherboard's utility to ensure the cooler is functioning effectively.

6. Maintenance

Proper maintenance ensures the longevity and efficiency of your water cooler.

- **Dust Removal:** Periodically clean dust from the radiator fins and fan blades using compressed air. Dust buildup can significantly reduce cooling performance.
- **Check Tubing:** Inspect the tubing for any signs of kinks, leaks, or damage. While rare, early detection can prevent issues.
- **Fan Operation:** Ensure both fans are spinning freely and quietly. If a fan becomes noisy or stops spinning, it may need replacement.

- **Thermal Paste:** Reapplying thermal paste every few years (or if you remount the cooler) can help maintain optimal thermal transfer.

7. Troubleshooting

If you encounter issues with your Havit Gamenote F2001, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
High CPU Temperatures	Improper thermal paste application, loose CPU block, dust buildup on radiator, pump failure, incorrect fan orientation.	Reapply thermal paste, re-seat CPU block, clean radiator, check pump connection/operation, ensure fans are pushing/pulling air correctly.
Fans Not Spinning / RGB Not Lighting Up	Loose cable connections, incorrect header connection, software issue.	Check all fan and RGB cable connections to motherboard. Ensure they are connected to the correct headers (CPU_FAN, SYS_FAN, RGB_HEADER). Check BIOS/UEFI settings and RGB software.
Pump Noise	Air bubbles in the loop, pump running at full speed unnecessarily.	Gently tilt your PC case to help dislodge air bubbles. Ensure pump is connected to a dedicated AIO_PUMP header or set to run at a constant speed in BIOS/UEFI.

8. Warranty and Support

The Havit Gamenote F2001 Water Cooler comes with a**6-month warranty** from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use.
For technical support, warranty claims, or further assistance, please contact Havit Gamenote customer service through their official website or the retailer where the product was purchased. Please have your proof of purchase and product model number (F2001) ready when contacting support.
For more information, visit: www.havit.com

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