

AMD 199-999575

AMD Wraith Max Cooler with RGB LED Fan (Model 199-999575) User Manual

Model: 199-999575

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AMD Wraith Max Cooler with RGB LED Fan. This high-performance CPU cooler is designed to efficiently dissipate heat from your processor, ensuring stable and optimal system performance. Please read this manual thoroughly before installation and use.



Image 1.1: The AMD Wraith Max Cooler, featuring a black fan with an illuminated red RGB LED ring and a heatsink base with copper heat pipes.

2. SAFETY INFORMATION

- Always disconnect power from your computer before installing or removing any components.
- Handle the cooler and CPU with care to avoid damage to pins or components.
- Ensure proper grounding to prevent electrostatic discharge (ESD).
- Keep out of reach of children.
- Do not operate the cooler if the fan blades are obstructed or damaged.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- AMD Wraith Max CPU Cooler with pre-applied thermal paste (or a small tube of thermal compound).
- RGB LED connection cable (may vary by version, e.g., 4-pin or 5-pin).
- Mounting brackets (if not pre-attached or integrated with the cooler). *Note: Some versions may require existing motherboard mounting hardware.*

4. SPECIFICATIONS

Feature	Detail
Brand	AMD
Model Number	199-999575
Product Dimensions (L x W x H)	3.15"L x 2.36"W x 3.15"H
Power Connector Type	4-Pin
Voltage	12 Volts
Wattage	140 watts
Cooling Method	Air
Compatible Devices	Desktop (AMD AM4 platform compatible)
Noise Level	38 Decibels
Material	Metal, Plastic
Item Weight	1.2 Pounds
GTIN / UPC	730143308779

5. SETUP AND INSTALLATION

Follow these steps carefully to install your AMD Wraith Max Cooler. It is recommended to install the cooler with the motherboard removed from the PC case for easier access, especially if you are not experienced with CPU cooler installations.

- 1. Prepare the Motherboard:** Ensure your motherboard has the standard AMD AM4 retention bracket installed. If not, install the appropriate backplate and retention clips according to your motherboard's manual.
- 2. Clean CPU Surface:** If replacing an old cooler, carefully clean any old thermal paste from the CPU's integrated heat spreader (IHS) using isopropyl alcohol and a lint-free cloth.
- 3. Apply Thermal Paste:** The Wraith Max Cooler often comes with pre-applied thermal paste. If not, apply a small pea-sized amount of thermal paste to the center of the CPU's IHS. Do not spread it manually; the pressure from the cooler will spread it evenly.
- 4. Position the Cooler:** Carefully align the cooler over the CPU, ensuring the mounting clips on the cooler align with the retention bracket tabs on the motherboard.
- 5. Secure the Cooler:**
 - Hook the non-lever side of the cooler's mounting clip onto the corresponding tab of the motherboard retention bracket.
 - While applying gentle, even pressure, push down the lever on the opposite side of the cooler until it locks onto the second tab of the retention bracket. This step may require firm pressure.
- 6. Connect Fan Power:** Connect the 4-pin fan cable from the cooler to the "CPU_FAN" header on your motherboard.
- 7. Connect RGB Cable:** Connect the RGB LED cable from the cooler to the appropriate RGB header on your motherboard (e.g., 4-pin 12V RGB header). Refer to your motherboard manual for the

correct header location and type.



Image 5.1: A closer view of the AMD Wraith Max Cooler's heatsink and heat pipes, crucial for efficient heat transfer.

6. OPERATING INSTRUCTIONS

Once installed, the AMD Wraith Max Cooler operates automatically, adjusting fan speed based on CPU temperature. The RGB LED lighting can be controlled via your motherboard's RGB software.

- **Fan Operation:** The fan speed is controlled by the motherboard's BIOS/UEFI settings or operating system software, typically based on CPU temperature. Ensure the fan is spinning freely after system startup.
- **RGB Lighting Control:**
 - Install the RGB control software provided by your motherboard manufacturer (e.g., ASUS Aura Sync, MSI Mystic Light, Gigabyte RGB Fusion, ASRock Polychrome Sync).
 - Use the software to customize the color, effects, and brightness of the RGB LEDs on your Wraith Max Cooler.
 - If your motherboard lacks an RGB header or compatible software, the cooler may default to a specific color (e.g., red) or remain unlit, depending on the specific cooler version.

7. MAINTENANCE

Regular maintenance helps ensure optimal cooling performance and extends the lifespan of your cooler.

- **Dust Cleaning:** Periodically (every 3-6 months, or more often in dusty environments) use compressed air to clean dust from the heatsink fins and fan blades. Ensure the fan does not spin rapidly during cleaning to prevent damage to the bearings.
- **Thermal Paste:** Thermal paste typically lasts for several years. If you notice increased CPU temperatures, consider reapplying fresh thermal paste. This involves carefully removing the cooler, cleaning old paste from both the CPU and cooler base, and applying new paste before reinstallation.
- **Fan Inspection:** Check the fan for any signs of damage, unusual noises, or obstructions. Replace the cooler if the fan is damaged or malfunctioning.

8. TROUBLESHOOTING

- **High CPU Temperatures:**
 - Ensure the cooler is securely mounted and making good contact with the CPU.
 - Verify that the fan is spinning. If not, check the fan power connection to the motherboard.
 - Check if thermal paste was applied correctly or needs reapplication.
 - Clean any dust buildup from the heatsink fins.
 - Ensure adequate airflow within your PC case.
- **Fan Not Spinning:**
 - Check the 4-pin fan cable connection to the "CPU_FAN" header on the motherboard.
 - Verify fan settings in the motherboard's BIOS/UEFI.
 - Ensure the fan blades are not obstructed.
- **RGB Lights Not Working/Incorrect Color:**
 - Check the RGB LED cable connection to the motherboard's RGB header. Ensure it's connected to the correct type of header (e.g., 12V GRB for 4-pin).
 - Verify that your motherboard's RGB software is installed and configured correctly.
 - Ensure the RGB cable is fully seated and not damaged.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official AMD website or contact your retailer. Keep your proof of purchase for warranty claims.

For further assistance, visit the [AMD Support website](#).