

Manuals.plus /

› upHere /

› upHere D6SEC Dual Tower CPU Air Cooler User Manual

upHere D6SEC

upHere D6SEC Dual Tower CPU Air Cooler User Manual

Model: D6SEC

1. PRODUCT OVERVIEW

The upHere D6SEC is a high-performance dual-tower CPU air cooler designed for efficient heat dissipation. It features six 6mm copper heat pipes and dual 120mm 5V ARGB PWM fans, providing effective cooling for a wide range of Intel and AMD processors.

Key features include:

- **Optimal Heat Dissipation:** Six 6mm copper heat pipes with a 30mm contact surface ensure efficient heat transfer from the CPU.
- **Dual PWM Fans:** Two 120mm fans operate between 600-1600 RPM, delivering up to 68.2 CFM airflow with a low noise level of ≤ 25 dB(A).
- **ARGB Lighting:** Integrated 5V 3-Pin ARGB lighting supports motherboard synchronization for customizable aesthetics.
- **High Compatibility:** Designed for 100% RAM compatibility and fits most ATX/M-ATX cases with dimensions of 125mm (width) x 154mm (height).
- **Easy Installation:** The design allows for installation without removing the fans, simplifying the process.



Image 1.1: upHere D6SEC Dual Tower CPU Air Cooler with ARGB fans.

2. WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- upHere D6SEC CPU Cooler (with pre-installed fans)
- Intel Mounting Bracket Kit
- AMD Mounting Bracket Kit
- Thermal Paste
- Spatula
- User Guide

Intel/AMD Support

Intel LGA: 2011/2066/1700/1200/1150/1121/1155/1156/1366/1356

AMD:AM5/AM4/AM3/AM2/AM3+/AM2+/FM2/FM1

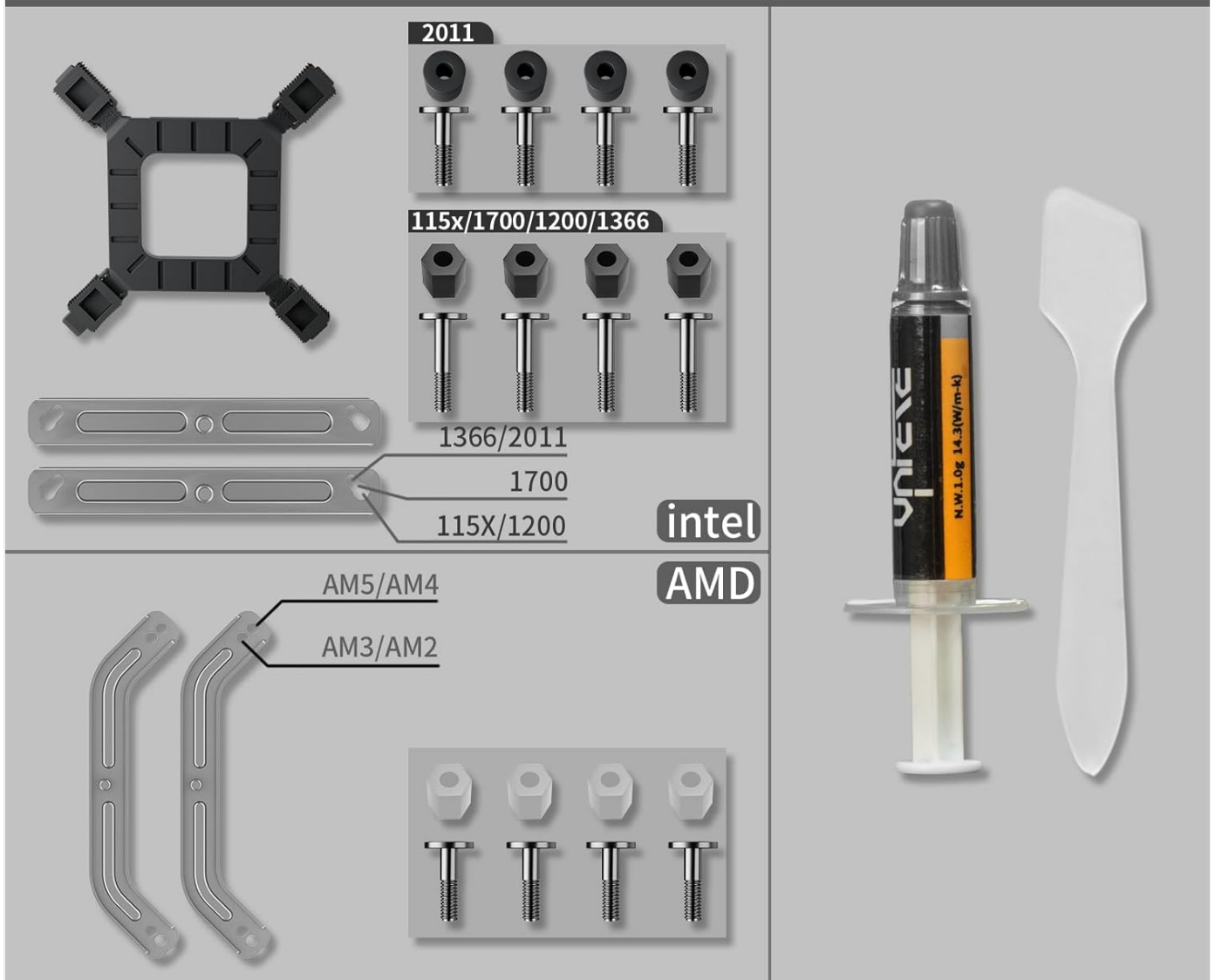


Image 2.1: Included mounting hardware, thermal paste, and cooler.

3. INSTALLATION GUIDE

This section provides detailed instructions for installing the upHere D6SEC CPU Air Cooler on both Intel and AMD platforms. Refer to the video below for a visual guide.

Video 3.1: Official upHere D6SEC Dual Tower CPU Air Cooler Installation Guide. This video demonstrates the step-by-step process for mounting the cooler on both Intel and AMD motherboards, including bracket assembly, thermal paste application, and fan connections.

3.1. Intel Installation (LGA 1851/2011/2066/1700/1200/1150/1121/1155/1156/1366)

- 1. Prepare Backplate:** Adjust the Intel backplate according to your CPU socket type (e.g., 115X/1200, 1700, 1366). Ensure the pins are in the correct position.
- 2. Attach Backplate:** Place the adjusted backplate on the rear of the motherboard, aligning the holes with the CPU socket mounting points.
- 3. Install Standoffs:** From the front of the motherboard, screw in the appropriate standoffs for your Intel socket type.

4. **Mount Mounting Brackets:** Place the Intel mounting brackets over the standoffs and secure them with the provided screws.
5. **Apply Thermal Paste:** Apply a small amount of thermal paste to the center of your CPU's integrated heat spreader (IHS). Use the spatula to spread it evenly into a thin layer.
6. **Position Cooler:** Remove the protective film from the cooler's base. Carefully align the cooler with the mounting brackets and place it onto the CPU.
7. **Secure Cooler:** Use the included screwdriver to tighten the spring-loaded screws on the cooler's mounting plate in an alternating X-pattern until snug. Do not overtighten.
8. **Connect Fans:** Connect the 4-pin PWM fan cables to the CPU_FAN header(s) on your motherboard. If your motherboard has multiple CPU fan headers, use the primary one (usually labeled CPU_FAN1).
9. **Connect ARGB:** Connect the 3-pin 5V ARGB cable to a compatible 5V ARGB header on your motherboard. Ensure it is a 5V header, not a 12V RGB header, to prevent damage.



Image 3.1: The cooler is designed for easy installation without removing the fans.

AMD SOCKET

AM5

READY

intel 13th CPU
SOCKET

LGA1700

READY

AMD Socket: AM5/AM4/AM3/AM2/AM3+/AM2+/FM2/FM1

intel Socket · LGA: 2011/2066/1700/1200/1156/1155/1150/1366/1366/1121

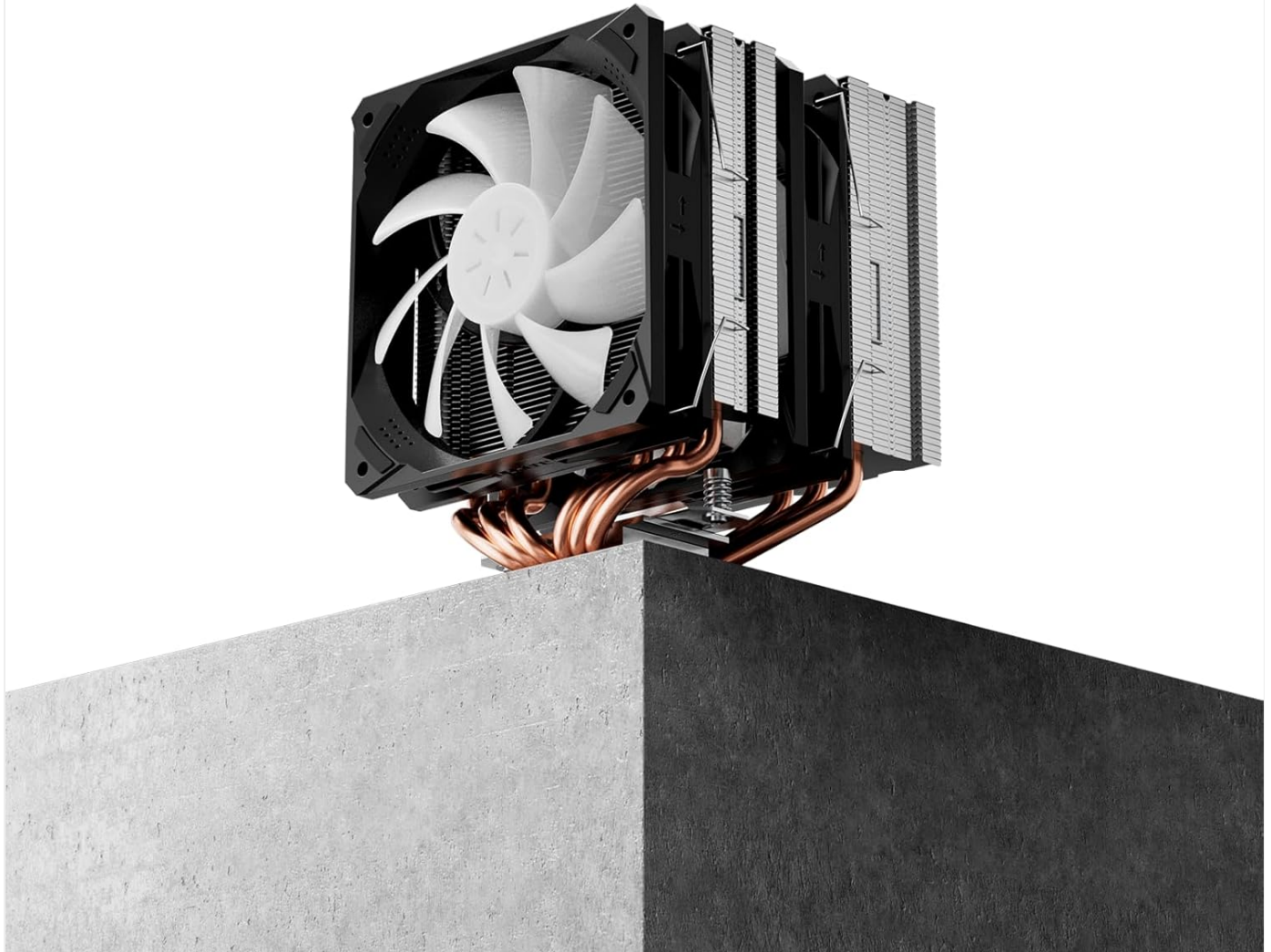


Image 3.2: The cooler supports a wide range of Intel LGA and AMD AM sockets.

3.2. AMD Installation (AM5/AM4/AM3/AM2/AM3+/AM2+/FM2/FM1)

1. **Prepare Motherboard:** Remove the existing plastic retention clips from the motherboard's stock AMD backplate. Keep the stock backplate in place.
2. **Install Standoffs:** Screw the appropriate AMD standoffs into the stock backplate's mounting holes.
3. **Mount Mounting Brackets:** Place the AMD mounting brackets over the standoffs and secure them with the provided screws.
4. **Apply Thermal Paste:** Apply a small amount of thermal paste to the center of your CPU's integrated heat spreader (IHS). Use the spatula to spread it evenly into a thin layer.
5. **Position Cooler:** Remove the protective film from the cooler's base. Carefully align the cooler with the mounting brackets and place it onto the CPU.
6. **Secure Cooler:** Use the included screwdriver to tighten the spring-loaded screws on the cooler's mounting plate in an alternating X-pattern until snug. Do not overtighten.

7. **Connect Fans:** Connect the 4-pin PWM fan cables to the CPU_FAN header(s) on your motherboard. If your motherboard has multiple CPU fan headers, use the primary one (usually labeled CPU_FAN1).
8. **Connect ARGB:** Connect the 3-pin 5V ARGB cable to a compatible 5V ARGB header on your motherboard. Ensure it is a 5V header, not a 12V RGB header, to prevent damage.



Image 3.3: The cooler's design ensures 100% RAM compatibility and fits within most ATX/M-ATX cases.

4. OPERATING INSTRUCTIONS

Once installed, the upHere D6SEC CPU Air Cooler operates automatically based on your motherboard's fan control settings. The PWM (Pulse Width Modulation) fans adjust their speed according to CPU temperature, providing optimal cooling performance while minimizing noise.

- **Fan Control:** Ensure your motherboard's BIOS/UEFI settings are configured for PWM fan control for the CPU_FAN header. This allows the fans to dynamically adjust speed.
- **ARGB Synchronization:** The 5V 3-Pin ARGB lighting can be controlled via your motherboard's ARGB software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, Gigabyte RGB Fusion, ASRock Polychrome Sync). Connect the

ARGB cable to the appropriate header and use the software to customize lighting effects.



Image 4.1: The 5V ARGB lighting can be synchronized with compatible motherboard software.

5. MAINTENANCE

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

- **Dust Cleaning:** Periodically clean dust from the heatsink fins and fan blades using compressed air or a soft brush. Ensure the fans are not spinning during cleaning to prevent damage.
- **Thermal Paste:** Reapply thermal paste if you remove the cooler for any reason. Old thermal paste can lose effectiveness over time.

6. TROUBLESHOOTING

If you encounter issues with your upHere D6SEC CPU Air Cooler, refer to the following common troubleshooting steps:

- **Fans Not Spinning:**

- Check if the 4-pin PWM fan cables are securely connected to the CPU_FAN header(s) on the motherboard.
- Verify fan control settings in your motherboard's BIOS/UEFI. Ensure PWM mode is enabled.

- **ARGB Not Lighting Up/Synchronizing:**

- Ensure the 3-pin 5V ARGB cable is correctly connected to a 5V ARGB header on your motherboard. Do not connect to a 12V RGB header.
- Check your motherboard's ARGB software for proper configuration and enabled lighting effects.
- Confirm the ARGB header on your motherboard is enabled in the BIOS/UEFI.

- **High CPU Temperatures:**

- Verify that the cooler is securely mounted and making proper contact with the CPU.
- Ensure sufficient thermal paste was applied evenly. Reapply if necessary.
- Check for proper airflow within your PC case. Ensure case fans are configured to provide adequate intake and exhaust.
- Confirm that the protective film on the cooler's base was removed before installation.

7. SPECIFICATIONS

Feature	Specification
Model	D6SEC CPU Cooler
Product Dimensions	125mm x 125mm x 154mm
Fan Speed	600-1600 RPM ±10%
Max. Airflow	68.2 CFM
Noise Level	≤25 dB(A)
Heat Pipes	Ø6mm x 6 pcs
Power Connector Type	4-Pin PWM + 5V ARGB 3-Pin
Voltage	5 Volts (ARGB)
Wattage	1.68 watts
Cooling Method	Air
Compatible Devices	Desktop CPUs (Intel LGA: 1851/2011/2066/1700/1200/1150/1121/1155/1156/1366 & AMD: AM5/AM4/AM3/AM2/AM3+/AM2+/FM2/FM1)
Material	Aluminum, Copper (heat pipes), Plastic (fans)

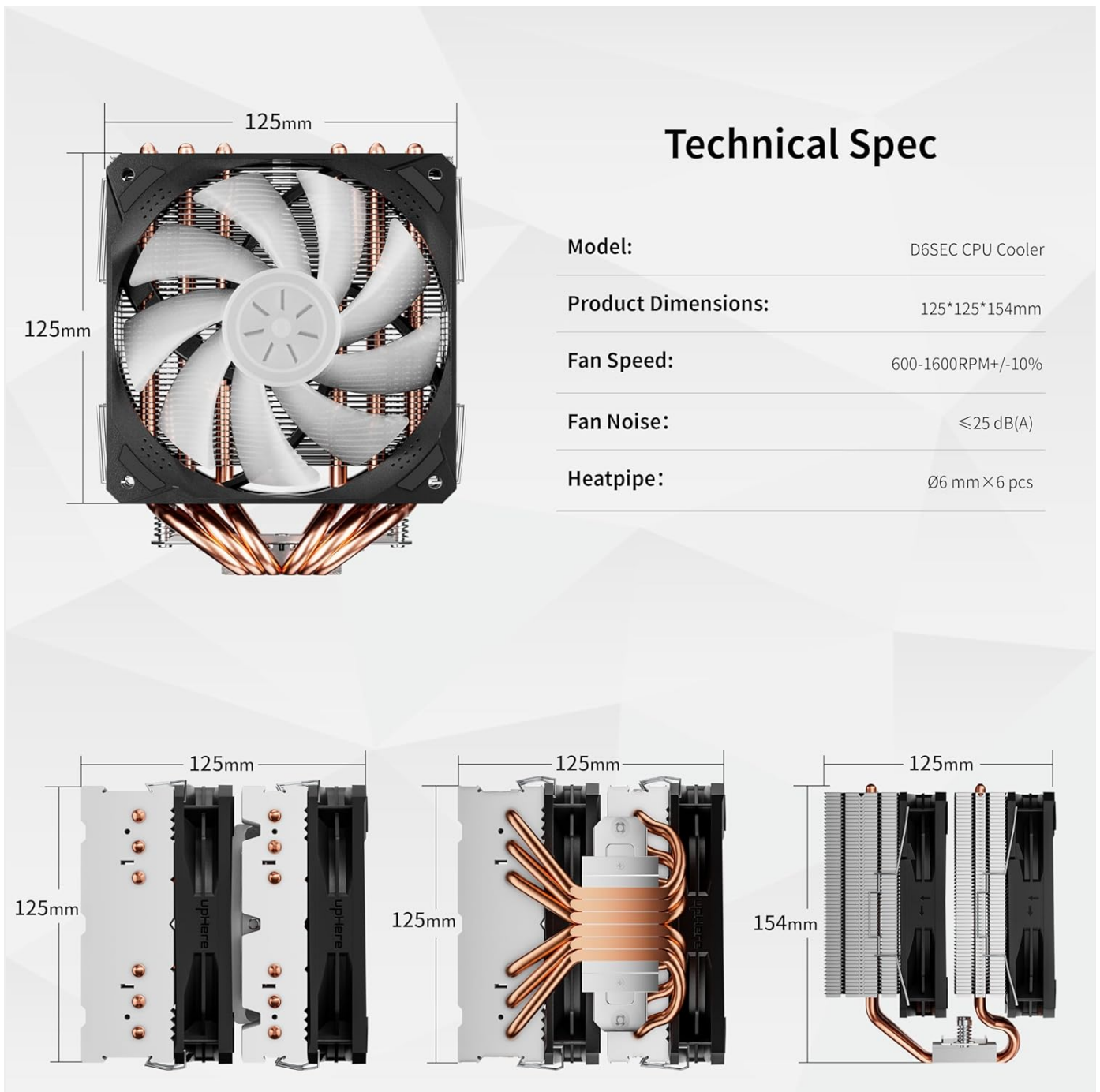


Image 7.1: Detailed technical specifications and dimensions of the cooler.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official upHere website. Contact details for customer service are typically available on the product packaging or the manufacturer's support page.

