

upHere D6SEC

upHere D6SEC Dual Tower CPU Air Cooler User Manual

Model: D6SEC

1. INTRODUCTION

The upHere D6SEC Dual Tower CPU Air Cooler is engineered to deliver efficient cooling for your CPU, ensuring optimal performance and system stability. This cooler features a robust dual-tower heatsink design, six high-performance copper heat pipes, and dual 120mm 5V ARGB PWM fans. It is compatible with a wide array of Intel LGA and AMD sockets. This manual provides comprehensive instructions for proper installation, operation, maintenance, and troubleshooting.

COOL TO THE CPU

Ø6 mm × 6 high-performance heat pipes
New base design provides 30mm of contact surface between heatpipe and CPU.



Image: The upHere D6SEC Dual Tower CPU Air Cooler, showcasing its dual fan and heatsink design.

2. KEY FEATURES

- **Efficient Heat Dissipation:** Features six 6mm copper heat pipes and an innovative base design providing a 30mm contact surface for optimal heat transfer from the CPU.
- **Dual PWM Fans:** Equipped with dual 120mm PWM fans offering a broad speed range of 600-1600 RPM and a maximum airflow of 68.2 CFM for effective cooling with low noise levels (≤ 25 dB(A)).
- **ARGB Lighting:** Integrated 5V 3-Pin ARGB lighting system supports motherboard synchronization for customizable visual effects.
- **High Compatibility:** Designed for 100% RAM compatibility and fits comfortably in most ATX/M-ATX cases with dimensions of 125mm (W) x 154mm (H).
- **Easy Installation:** The cooler's design simplifies installation, eliminating the need to remove fans during the mounting process.



Image: The cooler's base and six 6mm copper heat pipes, designed for efficient heat transfer from the CPU.

3. PACKAGE CONTENTS

Before proceeding with installation, please verify that all components are present in the package:

- upHere D6SEC CPU Cooler (Heatsink with pre-installed fans)
- Intel Mounting Brackets and Screws
- AMD Mounting Brackets and Screws
- Backplate (for Intel sockets)
- Thermal Paste
- Spatula (for thermal paste application)
- User Guide (this manual)

Intel/AMD Support

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

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

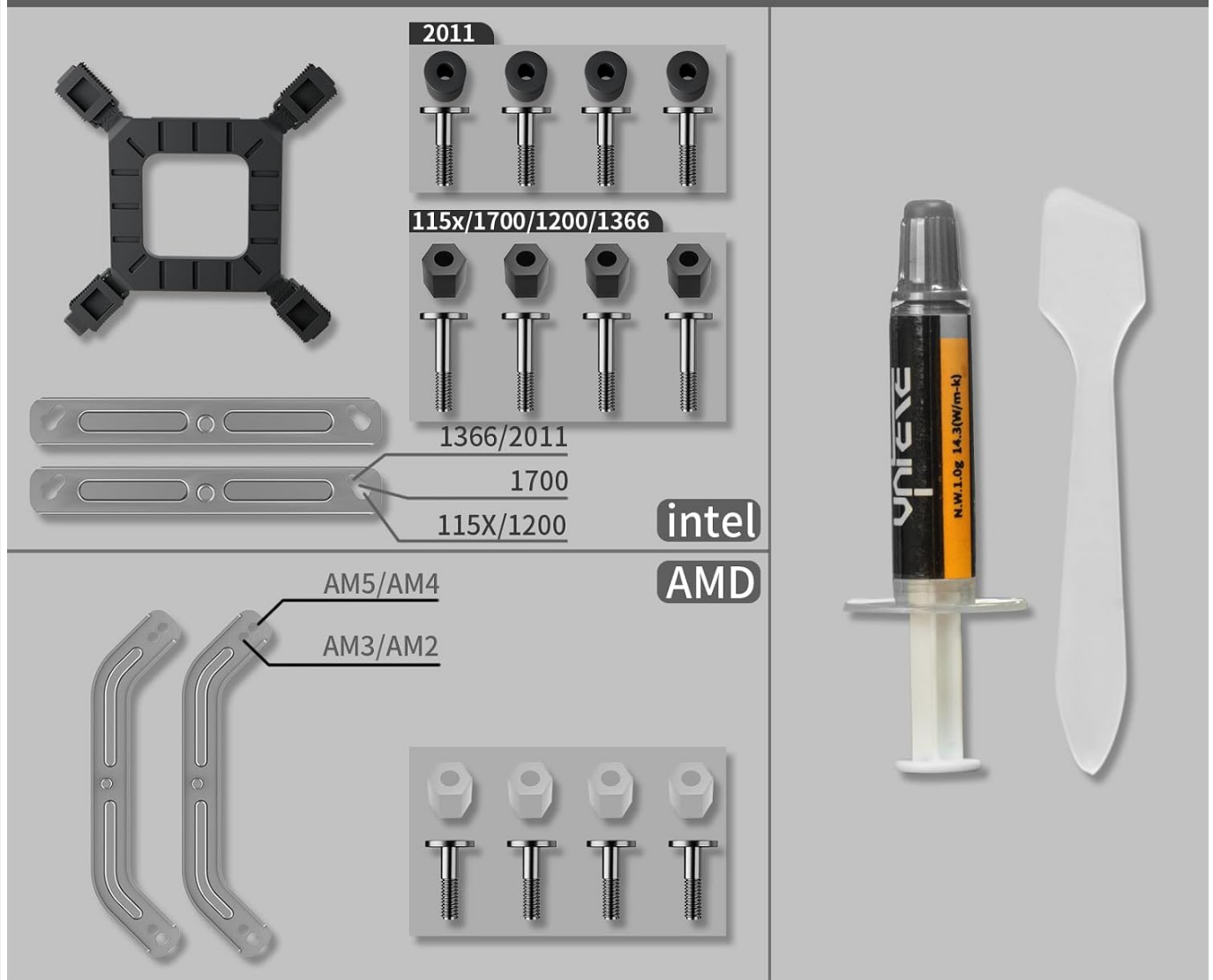


Image: Overview of the upHere D6SEC CPU cooler and its included accessories, such as mounting kits for various CPU sockets, thermal paste, and a spatula.

4. COMPATIBILITY

The D6SEC CPU Air Cooler is designed for broad compatibility with various CPU sockets and RAM configurations.

- **Intel LGA Sockets:** 1851, 2011, 2066, 1700, 1200, 1150, 1121, 1155, 1156, 1366, 1356
- **AMD Sockets:** AM5, AM4, AM3, AM2, AM3+, AM2+, FM2, FM1
- **RAM Compatibility:** 100% RAM compatibility due to its design, allowing it to fit with most ATX/M-ATX cases.

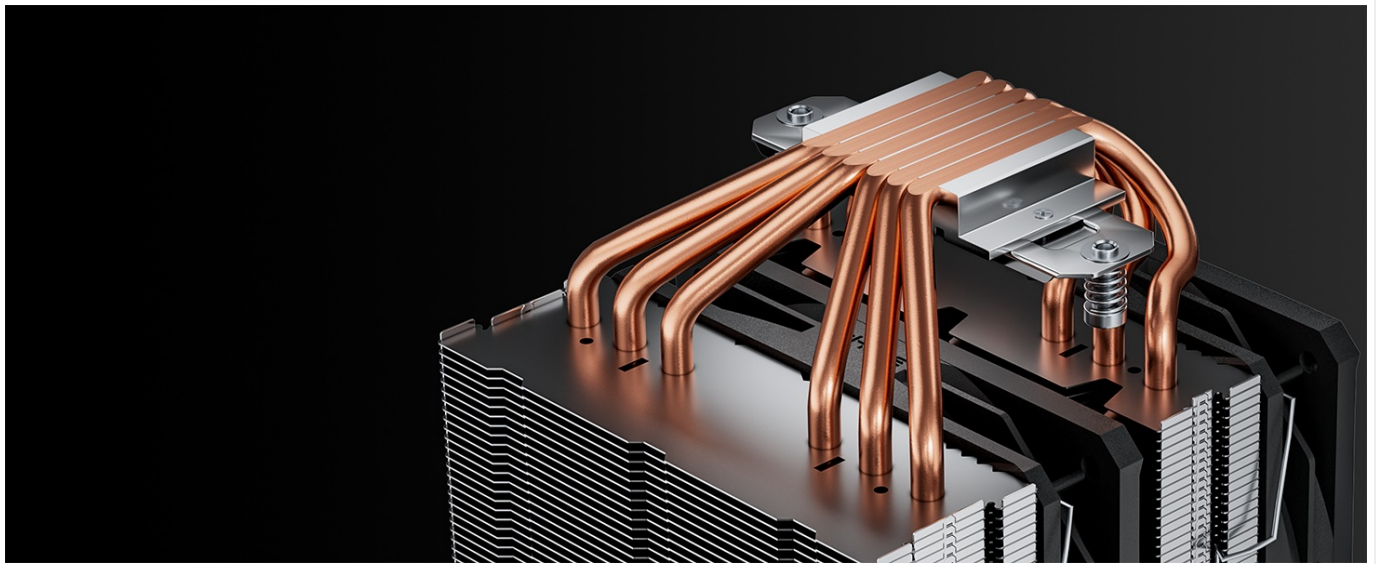


Image: The cooler's design ensures full compatibility with RAM modules, illustrating its 154mm height clearance.



Image: Visual confirmation of compatibility with AMD AM5 and Intel LGA1700 sockets, alongside other supported Intel and AMD platforms.

5. INSTALLATION GUIDE

Follow these steps carefully to install your upHere D6SEC CPU Air Cooler. The design allows for installation without removing the fans, simplifying the process.

5.1. Prepare the CPU and Motherboard

- Ensure your motherboard is removed from the PC case for easier access.
- Clean the CPU surface thoroughly to remove any old thermal paste or debris.

5.2. Install Mounting Hardware (Intel)

1. Adjust the Intel backplate according to your CPU socket (115X/1200, 1700, or 1366).
2. Place the backplate on the rear side of the motherboard, aligning the holes with the CPU socket.
3. From the front side of the motherboard, insert the standoffs through the mounting holes.
4. Secure the mounting brackets onto the standoffs using the provided screws. Ensure they are tightened evenly.

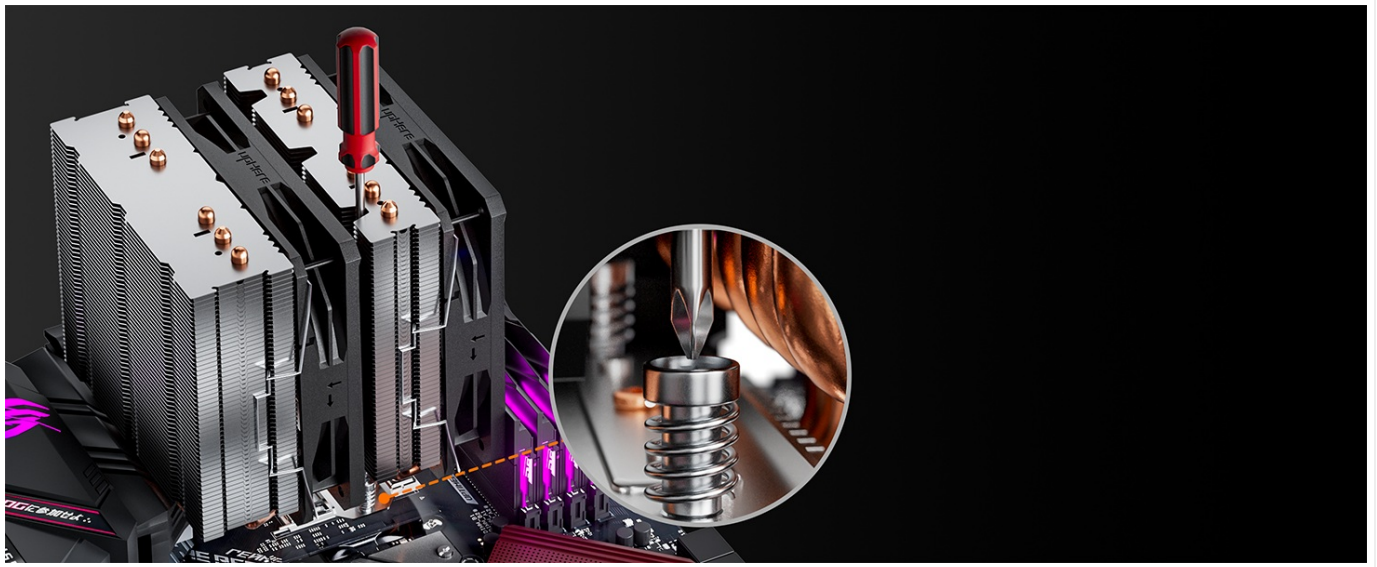


Image: Demonstrates the easy installation process, showing a screwdriver securing the cooler's mounting mechanism.

5.3. Install Mounting Hardware (AMD)

1. Remove the existing plastic retention modules from the motherboard, keeping the original backplate.
2. Install the AMD standoffs into the motherboard's mounting holes.
3. Secure the AMD mounting brackets onto the standoffs using the provided screws. Ensure they are tightened evenly.

5.4. Apply Thermal Paste

- Apply a small, pea-sized amount of thermal paste to the center of the CPU's integrated heat spreader (IHS).
- Use the provided spatula to spread the thermal paste evenly across the entire surface of the CPU IHS in a thin layer.

5.5. Mount the CPU Cooler

1. Remove the protective film from the cooler's base.
2. Carefully place the CPU cooler onto the CPU, aligning the mounting screws on the cooler with the holes on the installed mounting brackets.
3. Using a screwdriver, tighten the screws in an alternating diagonal pattern (e.g., top-left, bottom-right, top-right, bottom-left) until snug. Do not overtighten.

5.6. Connect Fan and ARGB Cables

- Connect the 4-pin PWM fan cable from the cooler to the CPU_FAN header on your motherboard.
- Connect the 5V 3-pin ARGB cable to a compatible 5V ARGB header on your motherboard. Ensure correct polarity to avoid damage.



Image: The cooler installed in a PC case, showcasing its 5V ARGB lighting synchronized with the motherboard. Compatible motherboard headers are indicated.

5.7. Installation Video



Video: A detailed installation guide for the upHere D6SEC Dual Tower CPU Air Cooler, demonstrating steps for both Intel and AMD platforms, including backplate setup, thermal paste application, and cooler mounting.

6. OPERATING INSTRUCTIONS

Once installed, the upHere D6SEC CPU Air Cooler operates automatically based on your motherboard's fan control settings.

- **PWM Fan Control:** The dual 120mm PWM fans adjust their speed (600-1600 RPM) according to CPU temperature, providing optimal cooling performance while minimizing noise.
- **ARGB Lighting:** The 5V ARGB lighting can be synchronized with compatible motherboards using their respective software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, Gigabyte RGB Fusion). This allows for customization of lighting effects and colors.

7. MAINTENANCE

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

- **Dust Cleaning:** Periodically clean the heatsink fins and fan blades to prevent dust buildup, which can impede airflow and reduce cooling efficiency. Use compressed air or a soft brush.
- **Thermal Paste Replacement:** It is recommended to replace the thermal paste every 2-3 years, or if you remove the cooler for any reason, to maintain optimal heat transfer.
- **Fan Inspection:** Check fan cables for secure connections and ensure fans spin freely without obstruction or unusual noise.

8. TROUBLESHOOTING

If you encounter issues with your CPU cooler, refer to the following common troubleshooting steps.

- **High CPU Temperatures:**

- Ensure the cooler is securely mounted and making full contact with the CPU.
- Verify that thermal paste was applied correctly and evenly.
- Check if fan cables are properly connected to the CPU_FAN header.
- Clean any dust buildup from the heatsink and fans.
- Confirm fan speed settings in your motherboard's BIOS/UEFI are appropriate.

- **Fans Not Spinning/ARGB Not Lighting Up:**

- Check all fan and ARGB cable connections to the motherboard.
- Ensure the 5V ARGB header is enabled in your motherboard's BIOS/UEFI and controlled by compatible software.
- Verify that the power supply is providing sufficient power.

- **Unusual Fan Noise:**

- Inspect fans for any obstructions (cables, debris).
- Ensure fans are securely attached to the heatsink.
- If noise persists, consider adjusting fan curves in BIOS/UEFI to lower RPMs at idle.

9. SPECIFICATIONS

Feature	Specification
Model	D6SEC CPU Cooler
Product Dimensions	125mm (W) x 125mm (D) x 154mm (H)
Fan Speed	600-1600 RPM $\pm$ 10%
Fan Noise Level	$\leq$ 25 dB(A)
Air Flow Capacity	68.2 CFM (Max)
Heat Pipes	6 x 6mm Copper Heat Pipes
Power Connector Type	4-Pin PWM + 5V ARGB 3-Pin
Voltage	5 Volts (ARGB)
Wattage	1.68 watts
Cooling Method	Air
Material	Aluminum, Plastic
Item Weight	2.4 pounds



Image: Detailed technical specifications and dimensions of the upHere D6SEC CPU cooler.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the official upHere website or contact their customer service. Keep your proof of purchase for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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