Thermaltake UX150 ARGB

Thermaltake UX150 ARGB CPU Cooler Instruction Manual

Model: UX150 ARGB (CL-P146-CA13SW-A)

1. Product Overview

The Thermaltake UX150 ARGB CPU Cooler is designed to provide efficient cooling for your processor while offering customizable ARGB lighting. It features a copper base plate and aluminum fin assembly, paired with a 130mm high-airflow fan capable of dissipating up to 130W of heat. Lighting is provided via 6 LEDs mounted in the hub, illuminating both the fan blades and an infinity mirror in the center. The included 5V 3-Pin daisy-chain connector allows for customization controlled by motherboard sync software.
Key features include:

- **Compact Design:** With a height of 72mm, it is suitable for various PC builds, including Small Form Factor (SFF) cases.
- **Wide Compatibility:** Supports Intel LGA 1851, 1700, 1200, 1156, 1155, 1151, and 1150 sockets.
- **Infinity Mirror Lighting:** Adds visual depth and a futuristic glow to your system.
- **Non-Interference Design:** Ensures compatibility with various memory module heights.
- **Reliable Hydraulic Bearing:** Provides quiet operation and enhanced thermal efficiency, extending the unit's lifespan.

Image 1.1: Thermaltake UX150 ARGB CPU Cooler installed in a computer system.

2. Safety Information

- Always disconnect power from your computer before installation or maintenance.
- Handle the cooler and CPU with care to avoid damage to components.
- Ensure proper grounding to prevent electrostatic discharge (ESD).
- Keep out of reach of children.
- Do not attempt to modify the cooler or its components.

3. Package Contents

Verify that all components are present and in good condition before proceeding with installation.

- Thermaltake UX150 ARGB CPU Cooler (with pre-attached fan)

- Intel Mounting Bracket
- Mounting Screws and Spacers
- Thermal Paste (may be pre-applied or in a small tube)
- User Manual (this document)

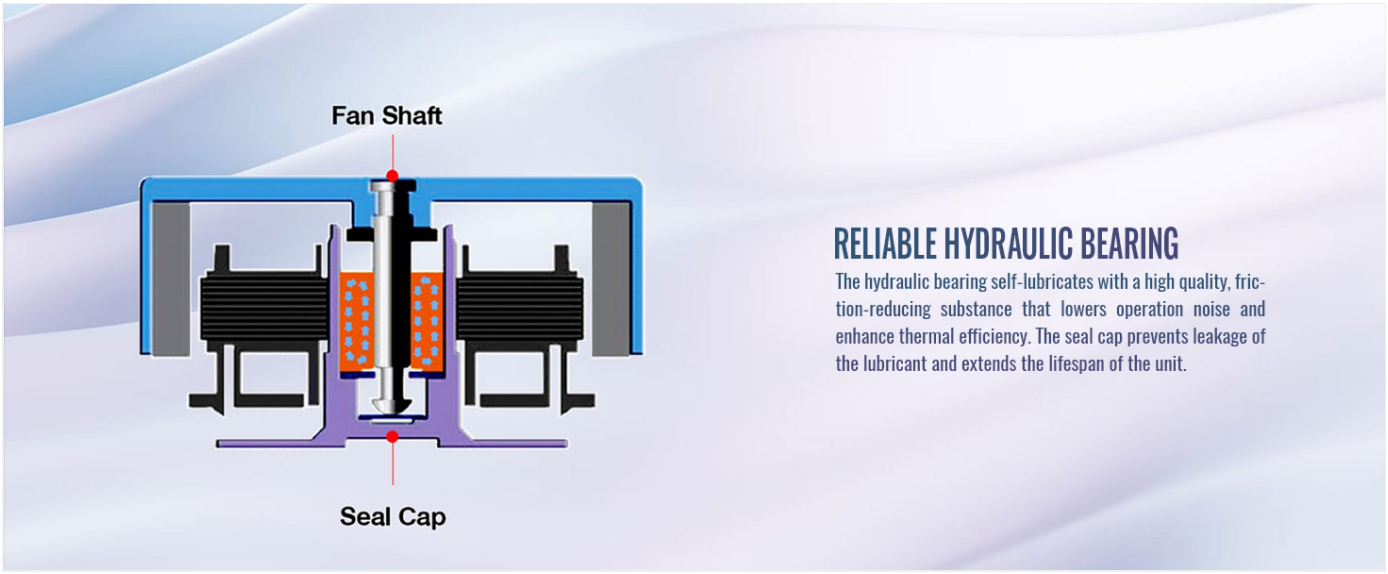

Image 3.1: Cooler base and Intel mounting bracket.

4. Specifications

Feature	Detail
Brand	Thermaltake
Model Number	UX150 ARGB (CL-P146-CA13SW-A)
Cooling Method	Air Cooling (Fan)
Material	Aluminum Fins, Copper Base
Fan Size	130mm PWM Fan
Fan Speed	500~2400 RPM
Power Connector Type	3-Pin (Fan), 5V 3-Pin (ARGB)
Voltage	5 Volts (DC)
Wattage (TDP)	130 Watts
Compatible Intel Sockets	LGA 1851, 1700, 1200, 1156, 1155, 1151, 1150
Dimensions (Package)	5.36 x 5.28 x 4.41 inches
Item Weight	1.14 pounds

5. Setup and Installation

Follow these steps carefully to install your Thermaltake UX150 ARGB CPU Cooler. Ensure your computer is powered off and unplugged before beginning.

5.1 Prepare the Motherboard

1. Place the Intel mounting backplate on the rear side of your motherboard, aligning the holes with the CPU socket.
2. Insert the standoffs through the motherboard from the front side, securing them into the backplate.

5.2 Apply Thermal Paste

If thermal paste is not pre-applied to the cooler's base, apply a small, pea-sized amount 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.
Important: Ensure the protective film on the cooler's copper base is removed before applying thermal paste or mounting. Some films may leave a stubborn adhesive residue; clean thoroughly with isopropyl alcohol if necessary to ensure optimal thermal contact.

Image 5.1: Copper base of the CPU cooler.

5.3 Mount the Cooler

1. Carefully place the CPU cooler onto the CPU, aligning the mounting holes on the cooler with the standoffs on the motherboard.
2. Secure the cooler by tightening the spring-loaded screws in a diagonal pattern (e.g., top-left, bottom-right, top-right, bottom-left) until snug. This ensures even pressure distribution.
3. *Note: The retention clip can be stiff. Apply firm, even pressure to prevent the cooler from sliding during attachment, ensuring good contact with the CPU.*

5.4 Connect Cables

1. Connect the 3-pin fan power cable from the cooler to the "CPU_FAN" header on your motherboard.
2. Connect the 5V 3-pin ARGB cable from the cooler to an available 5V ARGB header on your motherboard. Ensure correct pin alignment (usually indicated by an arrow on the connector). **Do not connect to a 12V RGB header, as this will damage the LEDs.**

6. Operating Instructions

6.1 Fan Control

The 130mm PWM fan automatically adjusts its speed (500~2400 RPM) based on CPU temperature, providing optimal cooling performance and noise levels. You can fine-tune fan curves through your motherboard's BIOS/UEFI settings or dedicated software provided by your motherboard manufacturer.
Tip: For optimal cooling, ensure your BIOS fan settings are configured to respond effectively to CPU temperature changes.

Image 6.1: High volume airflow design.

6.2 ARGB Lighting Control

The UX150 ARGB CPU Cooler features addressable RGB lighting with an infinity mirror effect. To control the lighting, connect the 5V 3-pin ARGB cable to a compatible motherboard header. Lighting effects can then be customized using your motherboard's RGB sync software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, GIGABYTE RGB Fusion, BIOSTAR RGB Sync, ASRock Polychrome Sync).
Note: This product requires motherboard sync for ARGB lighting effects. It does not include a standalone controller.

Image 6.2: Infinity mirror lighting effect.

7. Maintenance

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

- **Dust Removal:** Periodically clean dust from the fan blades and heatsink fins using compressed air or a soft brush. Ensure the fan is not spinning during cleaning to prevent damage.
- **Thermal Paste:** Reapply thermal paste if you remove the cooler for any reason. Old thermal paste can dry out and reduce cooling efficiency.
- **Cable Management:** Ensure all cables are securely connected and routed away from moving parts or hot components.

8. Troubleshooting

Issue	Possible Cause	Solution
CPU Overheating / High Temperatures	◦ Improper thermal paste application or old/dried paste. ◦ Cooler not seated correctly on CPU. ◦ Fan not spinning or spinning too slowly. ◦ Dust accumulation on heatsink. ◦ Protective film not removed from cooler base.	◦ Reapply thermal paste, ensuring even coverage. ◦ Reseat the cooler, ensuring all mounting screws are tightened diagonally and firmly. ◦ Check fan cable connection to "CPU_FAN" header. Adjust fan curve in BIOS. ◦ Clean heatsink fins and fan blades. ◦ Verify protective film was removed from the copper base.

Issue	Possible Cause	Solution
Fan Not Spinning	◦ Fan cable disconnected or improperly connected. ◦ Faulty fan header on motherboard.	◦ Ensure the 3-pin fan cable is securely connected to the "CPU_FAN" header. ◦ Try connecting the fan to a different fan header (if available) to test.
ARGB Lighting Not Working	◦ ARGB cable disconnected or improperly connected. ◦ Connected to a 12V RGB header instead of 5V ARGB. ◦ Motherboard ARGB software not installed or configured.	◦ Ensure the 5V 3-pin ARGB cable is securely connected to a 5V ARGB header. ◦ Verify it is connected to a 5V ARGB header (3-pin, with a gap) and NOT a 12V RGB header (4-pin). ◦ Install and configure your motherboard's RGB sync software.
Excessive Noise	◦ Fan spinning at high RPM due to high temperatures. ◦ Fan blades hitting cables or other components. ◦ Dust on fan blades causing imbalance.	◦ Check CPU temperatures and ensure proper cooling. Adjust fan curve in BIOS for quieter operation if temperatures allow. ◦ Inspect for obstructions and manage cables. ◦ Clean fan blades.

9. Warranty Information

Thermaltake products are manufactured to the highest quality standards. For detailed warranty terms and conditions, please refer to the official Thermaltake website or the warranty card included with your product. Keep your proof of purchase for warranty claims.

10. Support

If you encounter any issues not covered in this manual or require further assistance, please visit the official Thermaltake support website for FAQs, driver downloads, and contact information.
Thermaltake Official Website: www.thermaltake.com