Manuals+

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thermaltake UX400 ARGB Sync CPU Cooler Installation Guide 📄

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thermaltake UX400 ARGB Sync CPU Cooler

Specifications

Specification	Details
Cooling Capacity	240W TDP
Heat Pipes	4 × Ø6mm U-shaped (copper)
Fan Speed	700–1,800 RPM
Airflow	62.72CFM
Static Pressure	1.47mm-H_2O
Noise Level	~25dBA
Bearing / Lifespan	Hydraulic, ~30,000hours
Power Input	Fan 3W; ARGB ~1.44W
Lighting	9 ARGB LEDs, 16.8M colors, 5V header

Specification	Details
Socket Support	Intel 115x/1200/1700/1851, AMD AM2–AM5
Connector Type	4-pin PWM fan + 3-pin 5V ARGB header

Fan Performance & Acoustics

- **Fan Size**: 120×120×25mm
- **Speed (PWM-controlled)**: 700–1,800RPM
- **Airflow**: 62.72CFM
- **Static Pressure**: 1.47mm-H_2O
- **Noise Level**: Approx. 25.0dBA

Build & Reliability

- **Bearing Type**: Hydraulic bearing with sealed cap
- **Fan Lifespan**: ~30,000hours
- **Rated Voltage**: 12V (fan) & 5V (ARGB)
- **Start Voltage**: 6.0V
- **Power Input**: Fan ~3.0W; ARGB ~1.44W

ARGB & Lighting

- **ARGB LEDs**: 9 addressable LEDs in the fan
- **Color Support**: 16.8million colors
- **Compatibility**: Syncs with major motherboard RGB software using 5V ARGB header

Mounting & Compatibility

- **Supported Intel Sockets**: LGA1851,1700,1200,115x series
- **Supported AMD Sockets**: AM5,AM4,AM3/AM3+,AM2/AM2+,FM1/FM2
- **Mounting Kit**: Includes brackets and standoffs for both Intel and AMD platforms

Installation Steps

Step 1: Prepare the Components

- Unbox the cooler and confirm all included parts:
- Heatsink with pre-installed fan
- Mounting brackets (Intel & AMD)
- Backplate (Intel only)
- Screws & standoffs
- Thermal paste (if not pre-applied)
- ARGB and fan cables

Step 2: Remove Existing Cooler (if applicable)

1. Shut down and unplug your PC.
2. Remove the old cooler from the CPU.
3. Clean any old thermal paste from the CPU using isopropyl alcohol and a lint-free cloth.

Intel Platform Installation (LGA 115x/1200/1700/1851)

Step 3A: Install the Backplate

1. Place the backplate behind the motherboard, aligning it with the socket holes.
2. Insert Intel standoffs through the motherboard into the backplate.
3. Secure the standoffs with screws from the top side.

Step 4A: Attach Intel Mounting Brackets

1. Choose the correct hole position on the brackets according to your socket type.
2. Attach the brackets onto the standoffs and secure with screws.

AMD Platform Installation (AM4/AM5)

Step 3B: Prepare AMD Mount

1. Remove the factory-installed AMD plastic brackets from the motherboard.
2. Retain the default AMD backplate in place.

Step 4B: Attach AMD Brackets

1. Use the included AMD standoffs to secure the AMD-specific brackets to the motherboard using the existing backplate.

Step 5: Apply Thermal Paste

- Apply a small pea-sized amount of thermal paste to the center of the CPU.

Step 6: Mount the Heatsink

1. Align the base of the heatsink over the CPU and bracket holes.
2. Secure it using the spring-loaded screws attached to the cooler.
3. Tighten the screws in a cross pattern (diagonally) to apply even pressure.
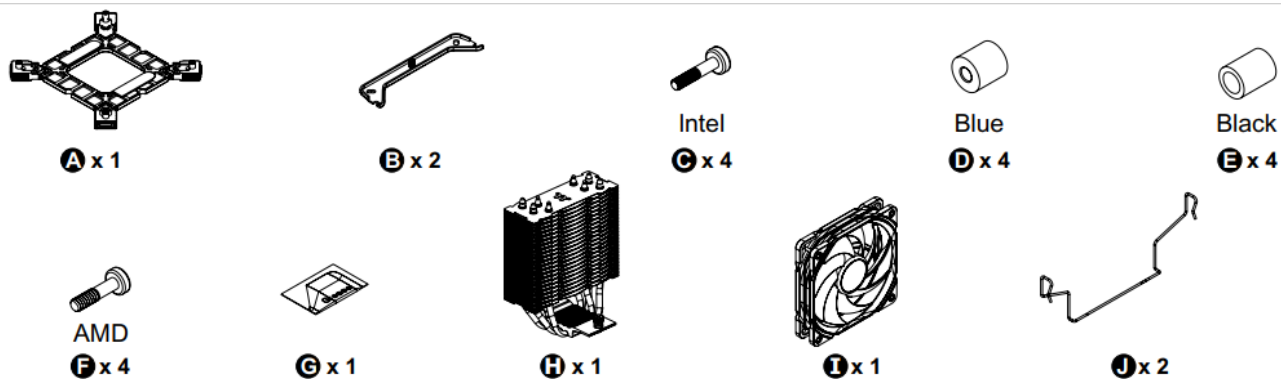
Step 7: Connect the Cables

- Connect the 4-pin fan cable to the motherboard's CPU_FAN header.
- Connect the 3-pin 5V ARGB cable to your motherboard's ARGB header (do not use a 12V RGB header).
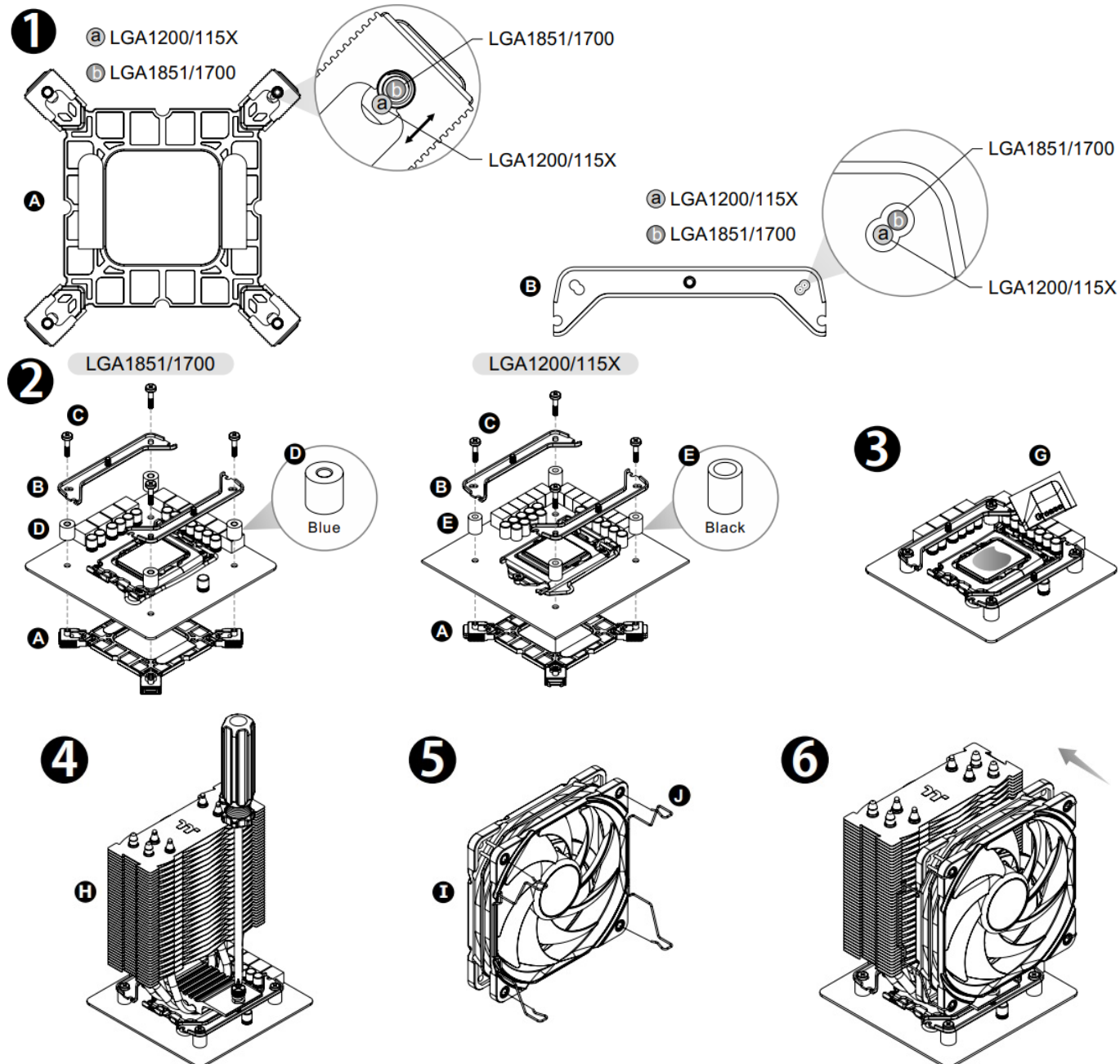 - Ensure correct orientation: 5V, Data, Ground.

Step 8: Final Check and Power On

- Confirm that the cooler is properly mounted and secure.
- Double-check all cable connections.
- Power on the system.
- Enter BIOS to confirm CPU fan operation and temperatures.
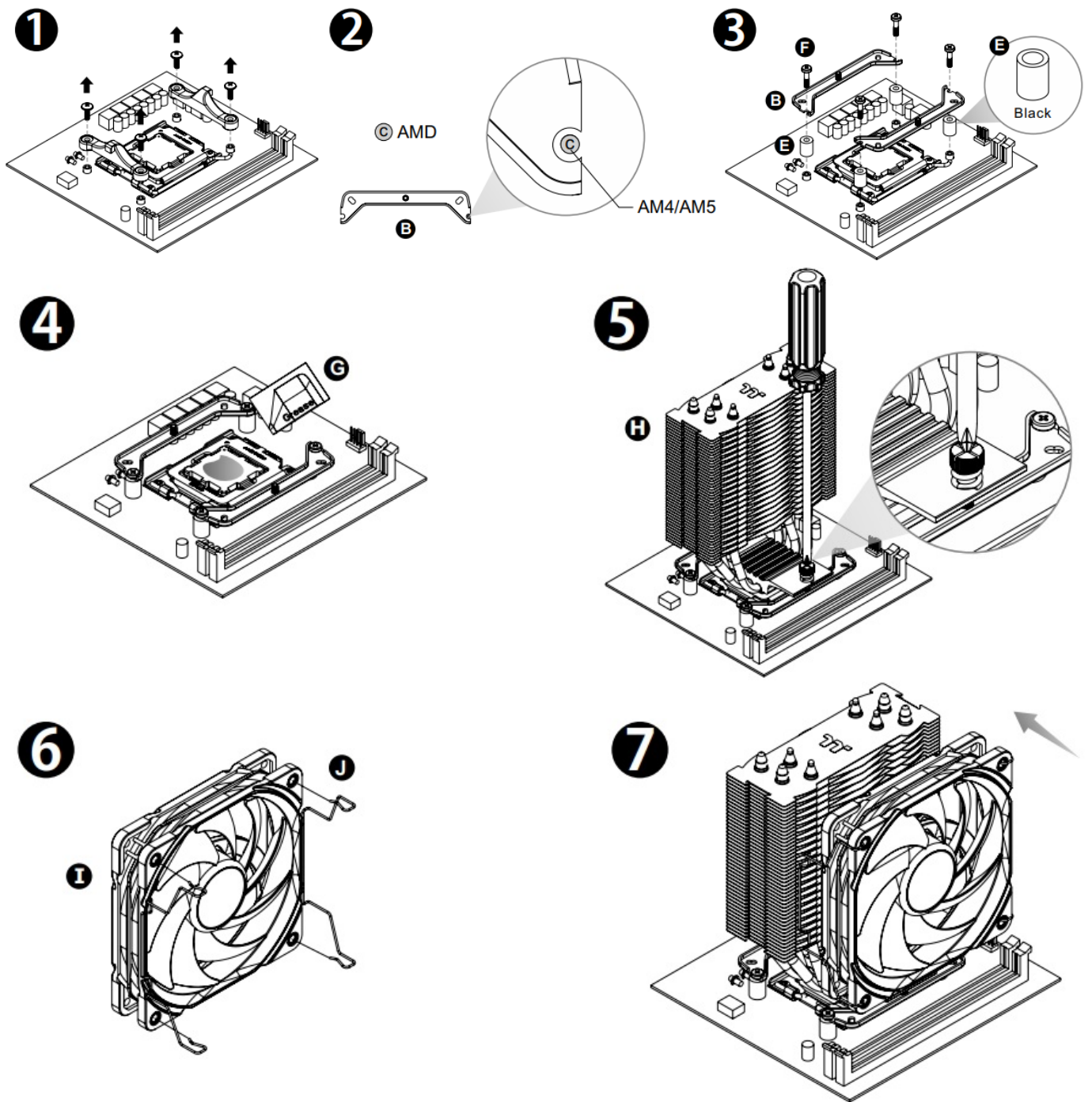- Open your motherboard RGB control software to configure lighting effects if desired.
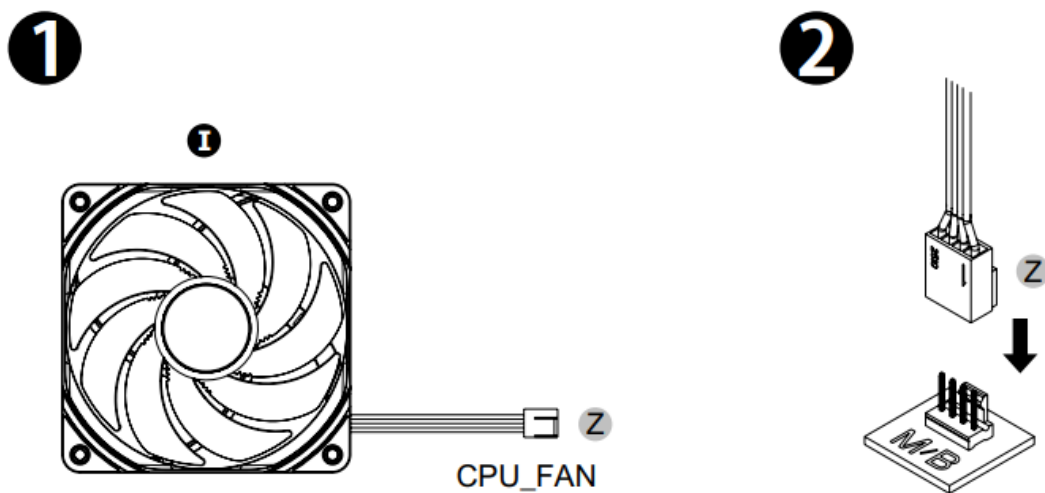
Parts List

A x 1   **B** x 2   Intel **C** x 4   Blue **D** x 4   Black **E** x 4

AMD **F** x 4   **G** x 1   **H** x 1   **I** x 1   **J** x 2

Intel Installation Guide

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ⓐ LGA1200/115X
ⓑ LGA1851/1700

LGA1851/1700

LGA1200/115X

A

ⓐ LGA1200/115X
ⓑ LGA1851/1700

LGA1851/1700

LGA1200/115X

B

2

LGA1851/1700

C
B
D

D Blue

A

LGA1200/115X

C
B
E

E Black

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AMD Installation Guide

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ⓒ AMD

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AM4/AM5

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Fan Installation Guide

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I

CPU_FAN

Z

❷

Z

M/B

Scan Here Installation Guide
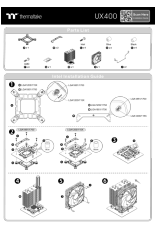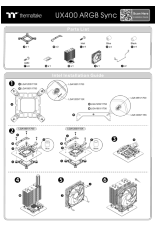
www.thermaltake.com

FAQs

1. How do I know which socket type to use for my CPU?

You can refer to your CPU's specifications or consult your motherboard manual to determine the compatible socket type.

2. Can this cooler be used with both Intel and AMD CPUs?

Yes, the UX400 cooler is designed to be compatible with both Intel and AMD processors. Simply follow the respective installation guides provided.

Documents / Resources

	thermaltake UX400 ARGB Sync CPU Cooler [pdf] Installation Guide LGA1200-115X, LGA1851-1700, UX400 ARGB Sync CPU Cooler, UX400, ARGB Sync CPU Cooler, CPU Cooler, Cooler
	Thermaltake UX400 ARGB Sync CPU Cooler [pdf] Installation Guide P142-AL12SW-A, UX400, UX400 ARGB Sync CPU Cooler, UX400 ARGB , Sync CPU Cooler, CPU Cooler, Cooler

References

- User Manual

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