



[Home](#) » [DEEPCOOL](#) » **DeepCool AK400 CPU Cooler With A Status Display User Manual** 

## Contents [ [hide](#) ]

[1 DeepCool AK400 CPU Cooler With A Status Display](#)

[2 Specifications](#)

[3 Assembly & Installation Instructions](#)

[4 FAQs](#)

[5 Documents / Resources](#)

[5.1 References](#)

# DEEPCOOL

## DeepCool AK400 CPU Cooler With A Status Display



## Specifications

- **Model:** DeepCool AK400 Digital CPU Cooler
- **Socket Compatibility**
  - **Intel:** LGA 1150/1151/1155/1156/1200/1700
  - **AMD:** AM4/AM5
- **Cooling Capacity (TDP):** Up to 220W
- **Heat Pipes:** 4 x 6mm direct-touch copper heat pipes
- **Fan:**
  - **Size:** 120mm x 120mm x 25mm
  - **Type:** Fluid Dynamic Bearing (FDB)
  - **Speed:** 500–1850 RPM  $\pm 10\%$
  - **Airflow:** Up to 68.99 CFM
  - **Noise Level:**  $\leq 28$  dB(A)
  - **Connector:** 4-pin PWM
  - **Rated Voltage:** 12V DC
  - **Power Consumption:** 1.44W
- **LED Lighting:** Addressable RGB
- **Connectors:** 3-pin (+5V-D-G) and 9-pin USB 2.0
- **Dimensions:**
  - **Overall:** 126mm (L) x 97mm (W) x 156mm (H)
  - **Heatsink:** 120mm (L) x 60mm (W) x 152mm (H)
- **Weight:** Approximately 695g

## Assembly & Installation Instructions

### Tools Needed

- Phillips screwdriver
- Thermal paste (if not pre-applied)
- Cleaning cloth or isopropyl alcohol (for CPU surface prep)

### Step 1: Prepare the Motherboard

- Power off your PC and unplug all cables.

- Remove the existing CPU cooler if applicable.
- Clean the CPU surface using a lint-free cloth and isopropyl alcohol to remove old thermal paste.

## **Step 2: Install the Backplate**

- Place the provided motherboard backplate on the rear side of the motherboard.
- Align the holes of the backplate with the CPU socket mounting holes.

## **Step 3: Attach Standoffs**

- Insert the standoffs through the motherboard aligned with the backplate.
- Tighten the standoffs gently; they will hold the cooler firmly in place.

## **Step 4: Apply Thermal Paste**

- Apply a small pea-sized amount of thermal paste to the center of the CPU.
- If your AK400 cooler comes with pre-applied thermal paste, skip this step.

## **Step 5: Mount the Cooler**

- Align the AK400 cooler base over the CPU, ensuring the mounting holes match the standoffs.
- Carefully place the cooler onto the CPU and press gently.
- Secure the cooler using the provided screws in a diagonal pattern to ensure even pressure.

## **Step 6: Attach the Fan**

- Attach the fan to the heatsink using the included clips or screws.
- Ensure the airflow direction is correct (usually indicated by arrows on the fan).

## **Step 7: Connect the Fan & Display**

- Plug the fan power cable into the CPU\_FAN header on the motherboard.
- Connect the status display cable to the appropriate motherboard or power header as

specified in the manual.

## Step 8: Final Checks

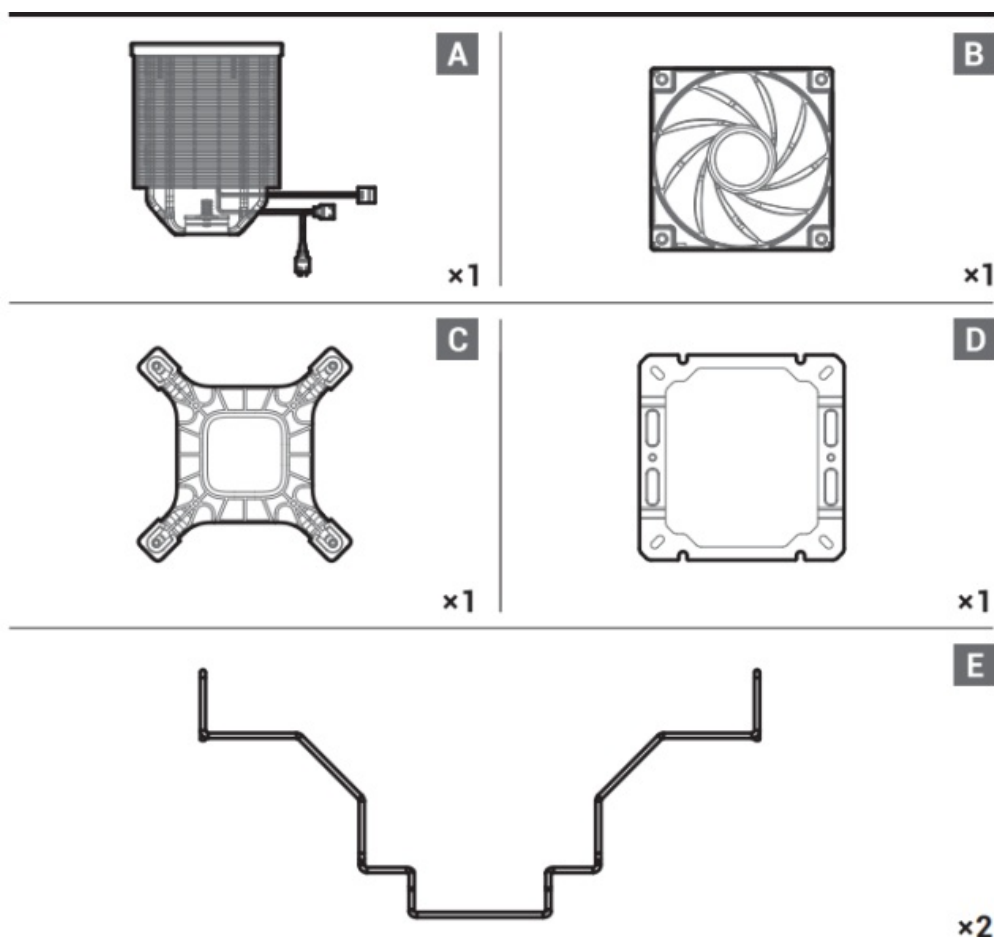
- Double-check that all screws are tight and the cooler is secure.
- Ensure cables are connected and not obstructing the fan.
- Close the PC case and reconnect the power.

## Step 9: Power On & Monitor

- Turn on your PC and check the status display for proper operation.
- Monitor CPU temperatures in BIOS or using software to ensure proper cooling performance.

## Tips

- Handle the cooler carefully; the display panel can be fragile.
- Do not overtighten screws; excessive pressure can damage the CPU or motherboard.
- Make sure airflow is not blocked by other components.



**INTEL**

**F**



x4

**G**



x4

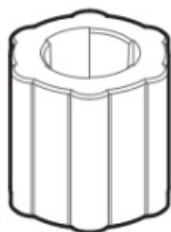
**H**



x4

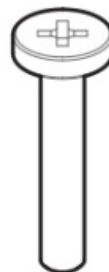
**AMD**

**I**

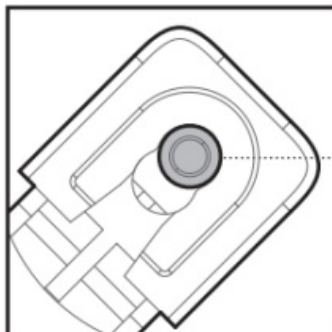


x4

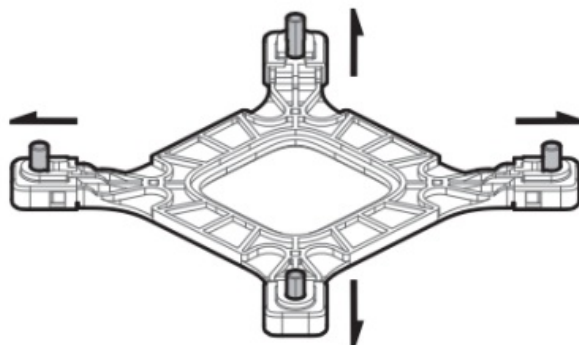
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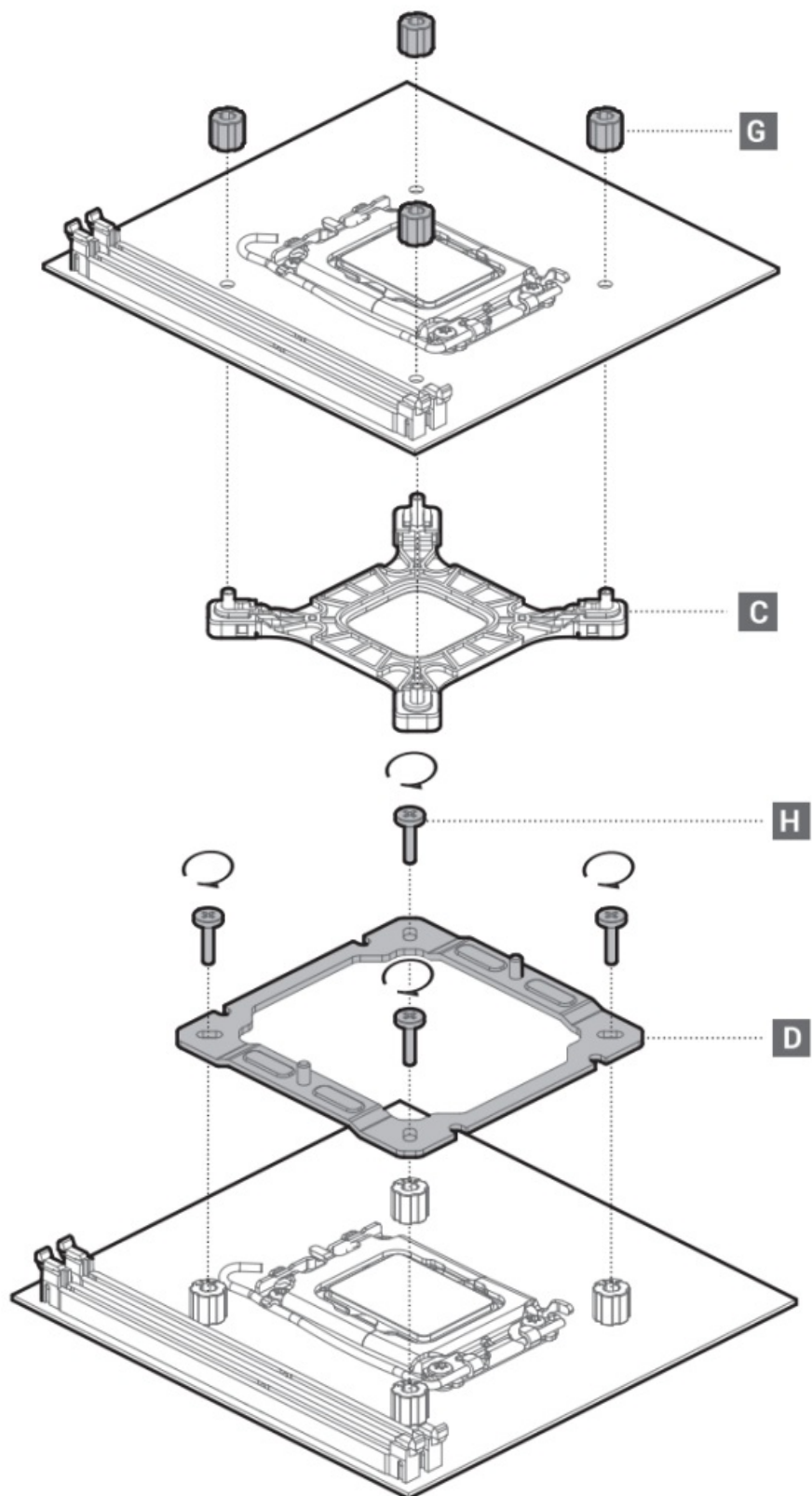
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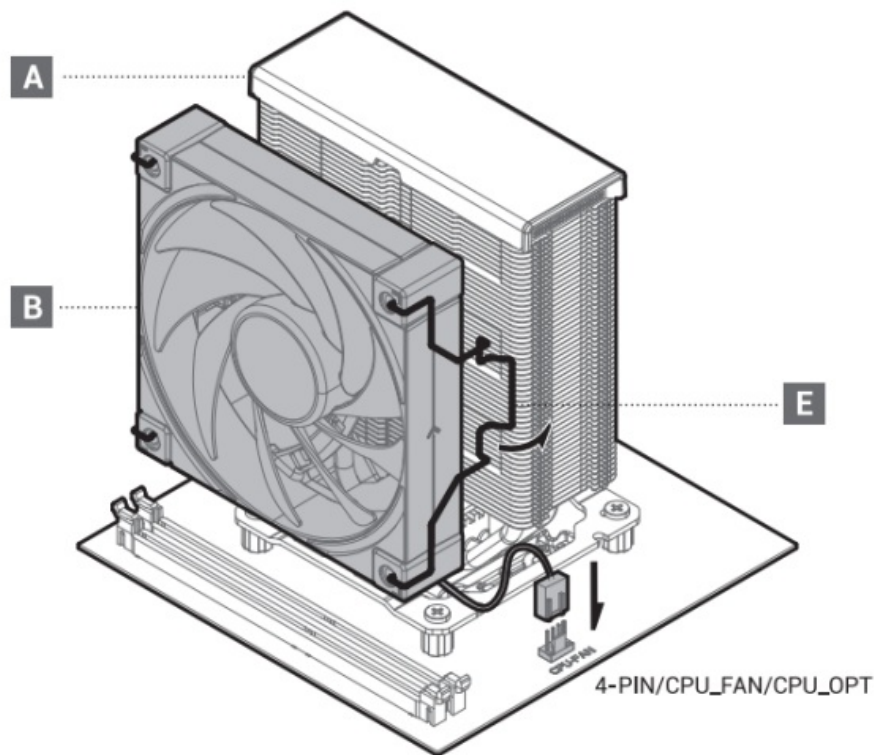
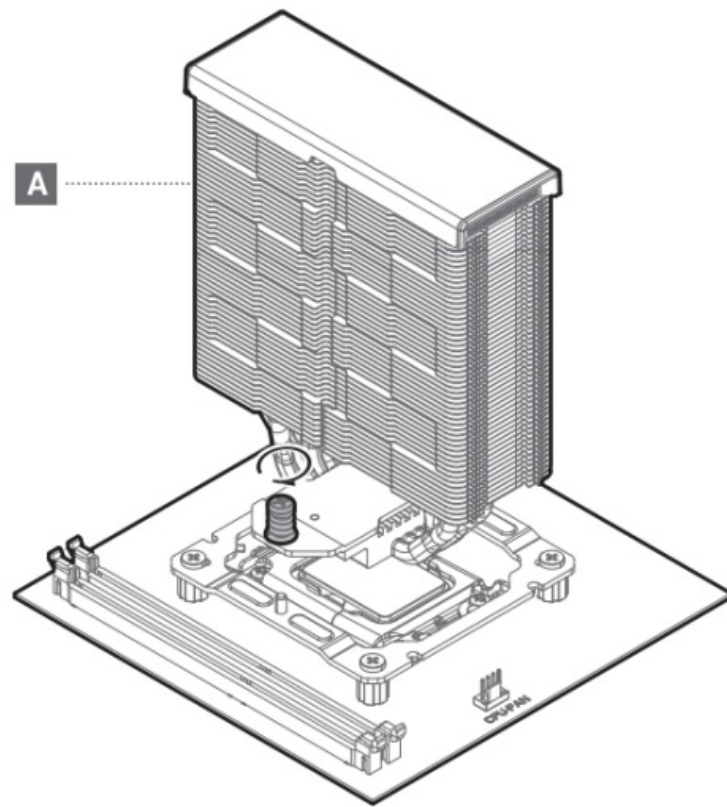


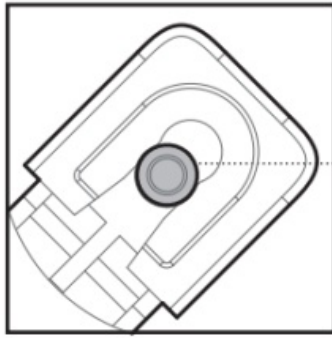
LGA1851  
LGA1700



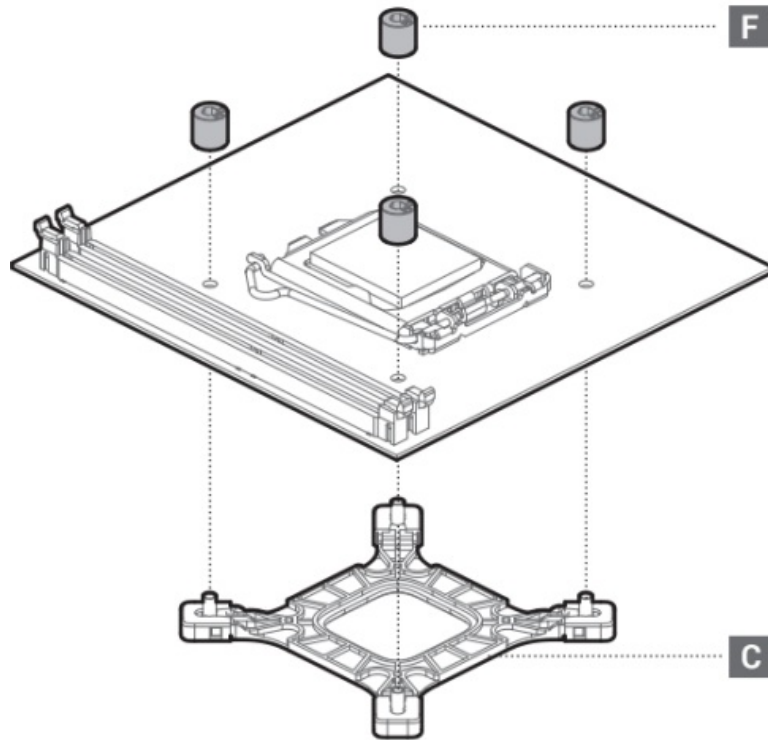
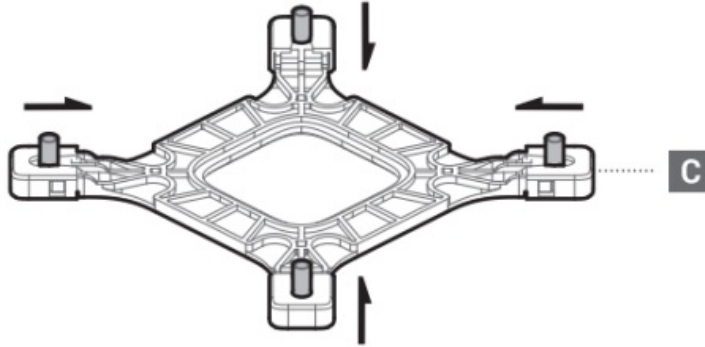
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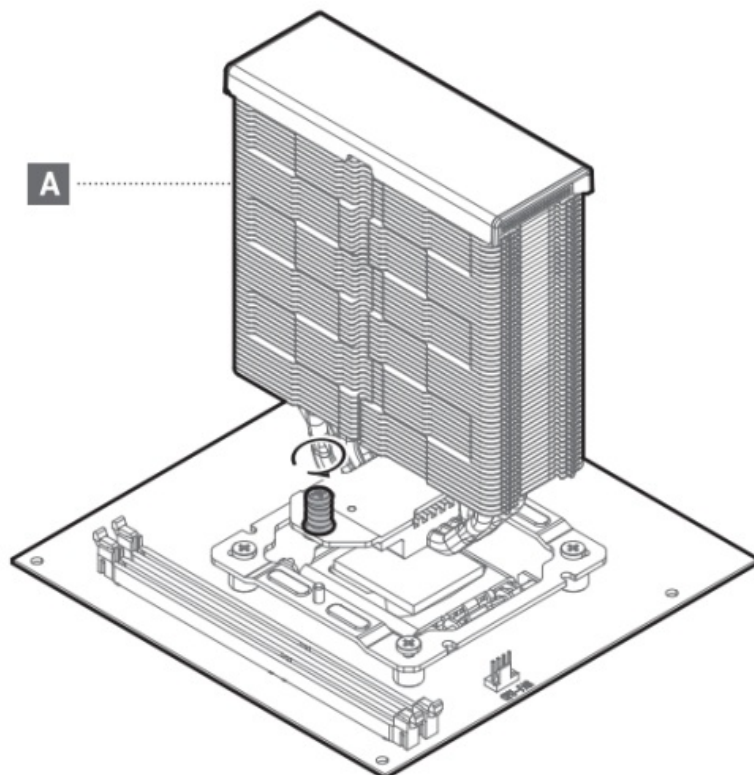
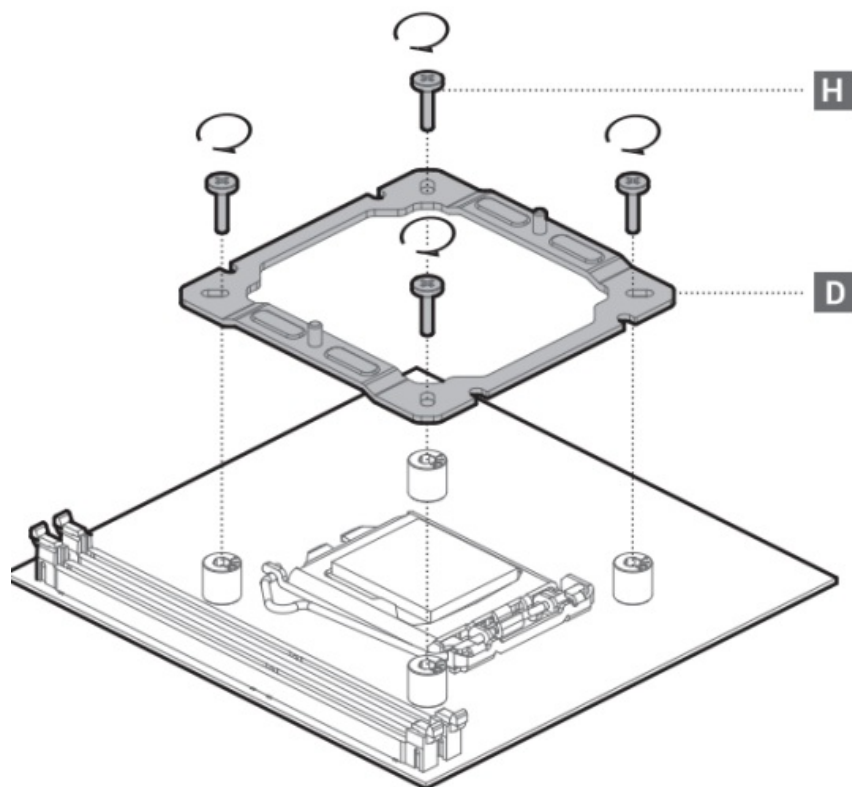


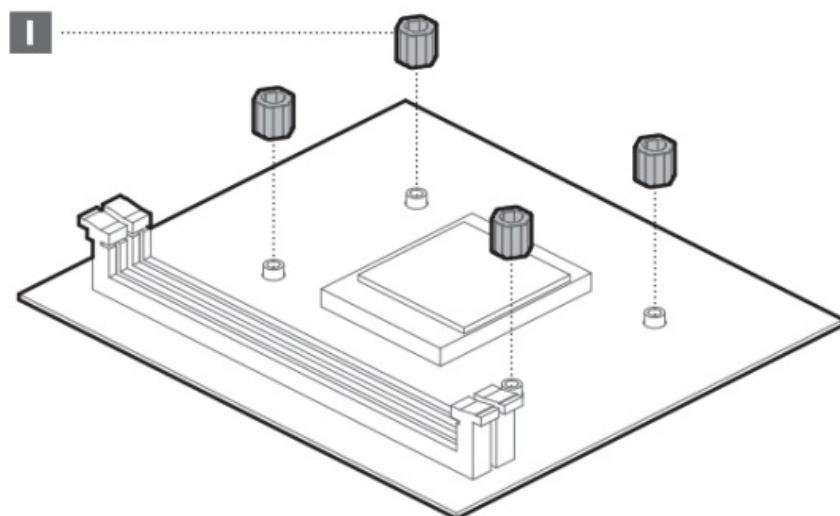
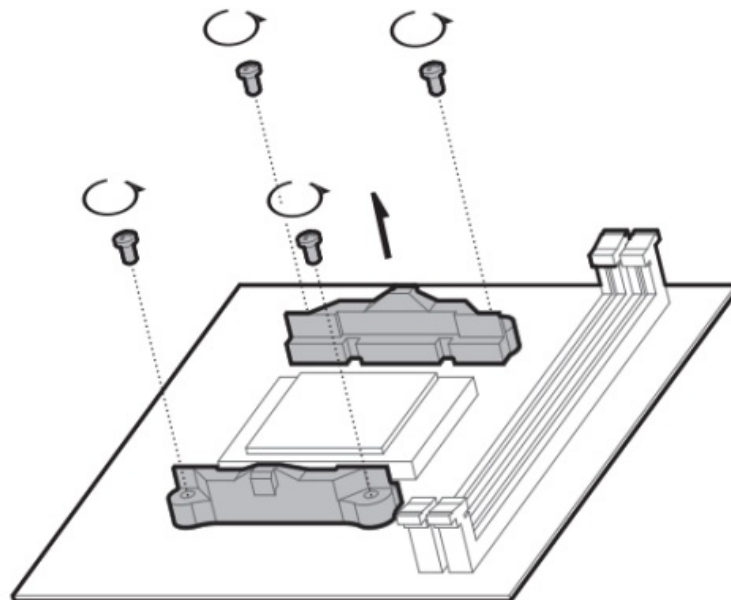
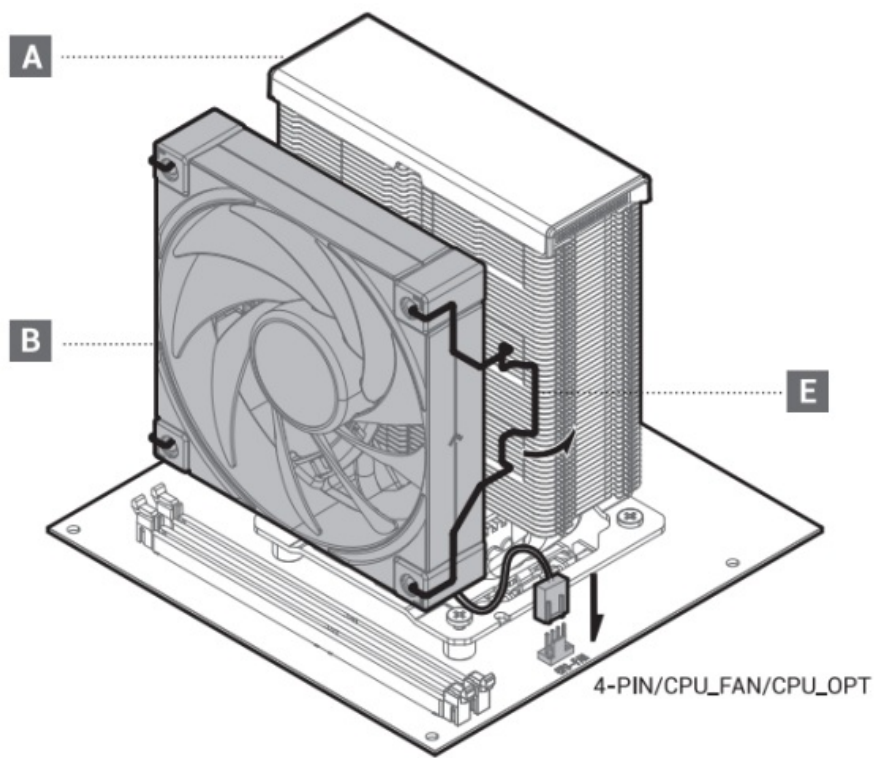


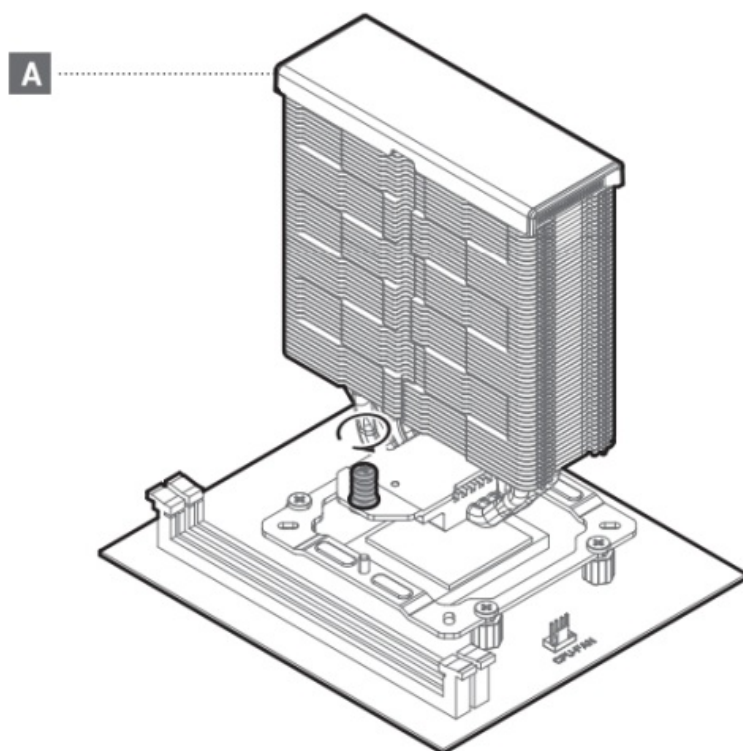
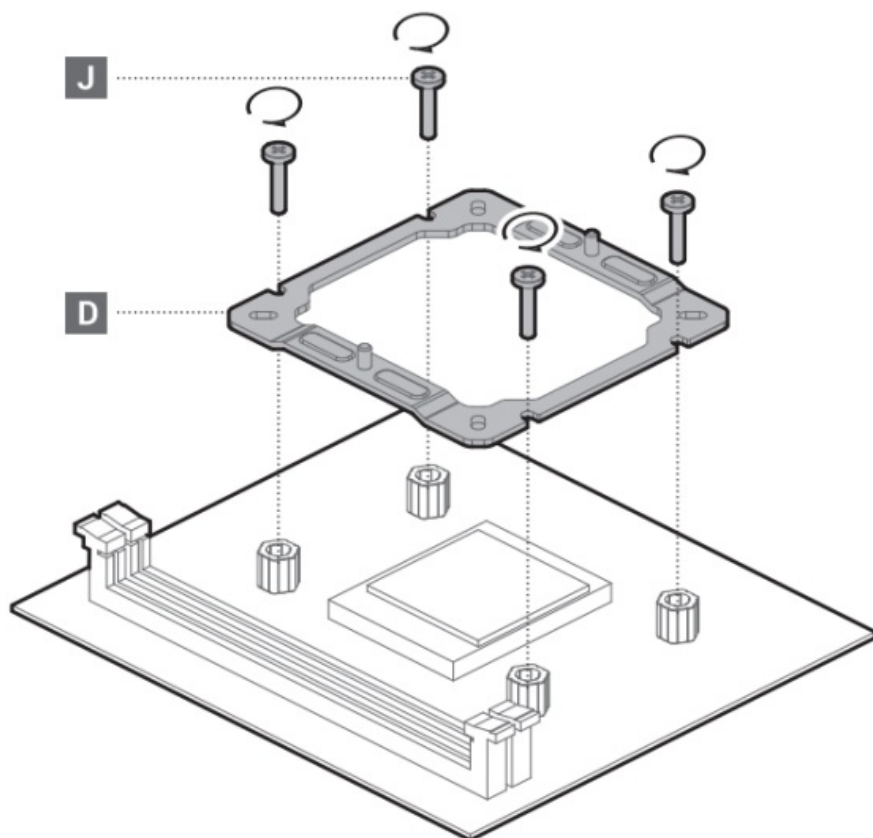


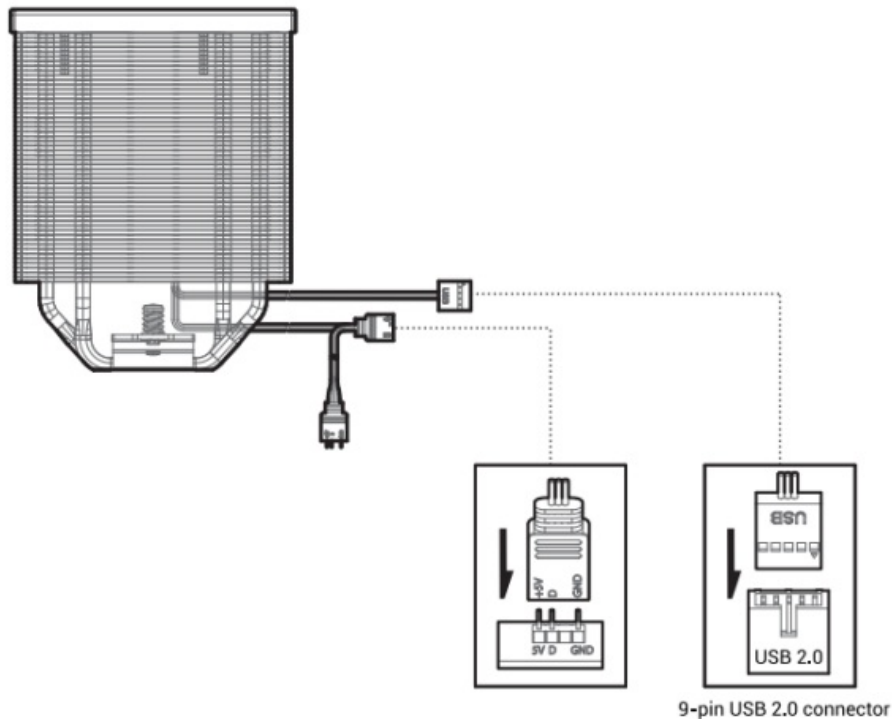
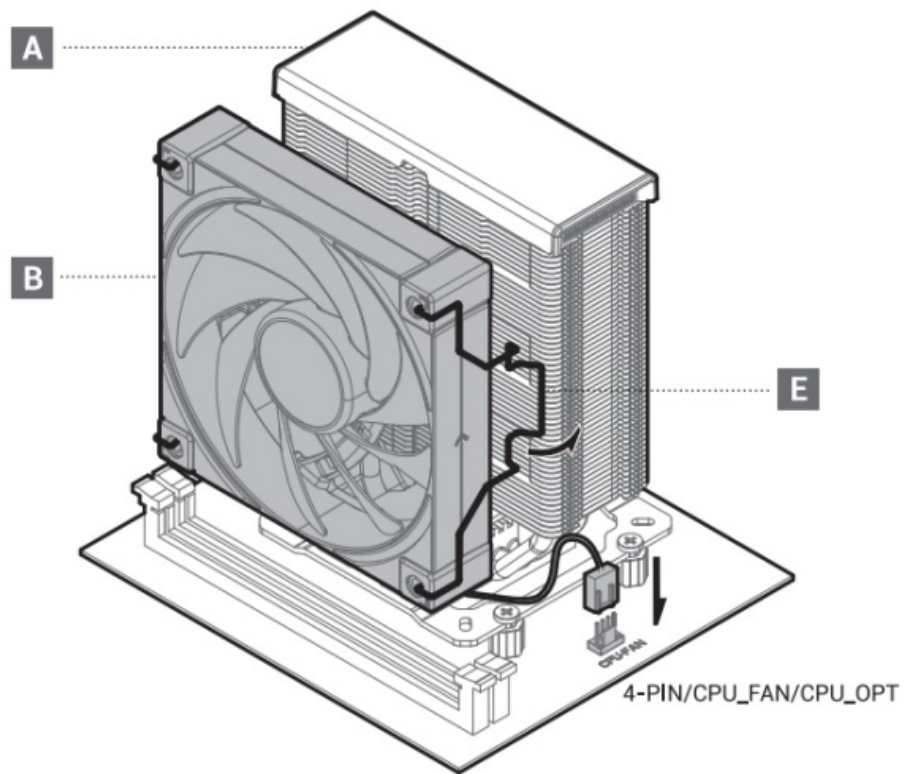
LGA1200  
LGA1151  
LGA1150  
LGA1155











1. After installing the product, turn on the PC, download and install the software, and the product-function control has been enabled on, website. [www.deepcool.com/downloadpage/](http://www.deepcool.com/downloadpage/)
2. Operating system version requirements: Windows 10/Windows 11

## FAQs


How do I install the AK400 Digital?

The cooler comes with an all-metal mounting bracket designed for easy installation on various platforms. Detailed installation instructions are provided in the user manual.

Can I customize the RGB lighting?

Yes, the AK400 Digital features addressable RGB lighting that can be customized using compatible software or motherboard RGB headers.

## Documents / Resources

	<a href="#">DeepCool AK400 CPU Cooler With A Status Display [pdf]</a> User Manual AK400 CPU Cooler With A Status Display, AK400, CPU Cooler With A Status Display, Status Display, Display
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## References

- [User Manual](#)

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AK400, AK400 CPU Cooler With A Status Display, CPU Cooler With A Status Display, DEEPCOOL, Display, Status Display

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