**Antec A40 Pro**

# Antec A40 Pro Processor Cooler User Manual
Model: A40 Pro

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Antec A40 Pro Processor Cooler. Please read this manual thoroughly before installation to ensure correct setup and optimal performance. Proper installation is crucial for the longevity and efficiency of your CPU and system.
The Antec A40 Pro is designed to provide efficient cooling for various CPU sockets, featuring a tower heatsink design with copper heat pipes and a 92mm fan with blue LED illumination.

## 2. SAFETY INFORMATION

- Always disconnect power from your computer before installing or removing any components.

- Handle components with care to avoid damage from electrostatic discharge (ESD). Consider using an anti-static wrist strap.

- Keep small parts and packaging materials away from children.

- Ensure proper ventilation within your computer case to prevent overheating.

- Do not attempt to modify the cooler or its components. Unauthorized modifications may void your warranty and pose safety risks.

## 3. PACKAGE CONTENTS

Verify that all items are present in your Antec A40 Pro package:

- Antec A40 Pro CPU Cooler (Heatsink with pre-attached 92mm fan)

- Universal Mounting Brackets (for Intel and AMD sockets)

- Mounting Screws and Backplate

- Thermal Paste (often included in a small syringe)

- User Manual (this document)



Figure 1: Antec A40 Pro Processor Cooler, showcasing the heatsink and blue LED fan.

## 4. SETUP AND INSTALLATION

The Antec A40 Pro supports various Intel and AMD sockets, including AM2, AM2+, AM3, AM3+, FM1, FM2, FM2+, LGA 1151, and AM4. The installation process may vary slightly depending on your motherboard and CPU socket type. Refer to your motherboard manual for specific instructions regarding CPU cooler installation points.

### 4.1 Preparation

1. Power off your computer and disconnect all cables.

2. Open your computer case to access the motherboard.

3. If replacing an existing cooler, carefully remove it and clean any old thermal paste from the CPU surface using isopropyl alcohol and a lint-free cloth.

4. Ensure your CPU is properly seated in its socket.

### 4.2 Applying Thermal Paste

Apply a small amount of thermal paste (typically a pea-sized dot or a thin line) 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.

## 4.3 Mounting the Cooler

Follow these general steps for mounting. Specific bracket usage depends on your CPU socket:

1. **For AMD Sockets (AM2/AM2+/AM3/AM3+/FM1/FM2/FM2+/AM4):**

   - Utilize the existing AMD retention bracket on your motherboard.
   - Attach the cooler's mounting clips to the plastic tabs of the AMD retention bracket.
   - Apply even pressure and secure the clips.

2. **For Intel Sockets (LGA 1151 and others):**

   - Install the appropriate Intel backplate behind your motherboard.
   - Secure the Intel mounting brackets to the cooler's base.
   - Align the cooler with the screw holes on the motherboard (which pass through the backplate).
   - Carefully lower the cooler onto the CPU, ensuring the thermal paste makes good contact.
   - Tighten the screws in a diagonal pattern until snug. Do not overtighten.



Figure 2: Bottom view of the Antec A40 Pro, illustrating the copper heat pipes and the universal mounting bracket.

Figure 3: Side profile of the Antec A40 Pro, showing the aluminum fins and the attached fan.

## 4.4 Connecting the Fan

Connect the 4-pin fan cable from the Antec A40 Pro to the "CPU_FAN" header on your motherboard. This allows the motherboard to control the fan speed based on CPU temperature, optimizing cooling performance and noise levels.

## 5. OPERATING INSTRUCTIONS

Once installed, the Antec A40 Pro operates automatically. The 4-pin PWM (Pulse Width Modulation) fan will adjust its speed based on the CPU temperature, as controlled by your motherboard's BIOS/UEFI settings. This ensures efficient cooling when needed and quieter operation during lighter loads.

- **Monitoring Temperatures:** Use system monitoring software (e.g., HWMonitor, CPU-Z, or your motherboard's utility) to check CPU temperatures. Ideal idle temperatures are typically below 45°C, and under full load, they should remain below 80°C, though this can vary by CPU model.
- **BIOS/UEFI Settings:** You can fine-tune fan speed curves in your motherboard's BIOS/UEFI settings to customize the balance between cooling performance and noise.

## 6. MAINTENANCE

Regular maintenance helps ensure optimal performance and extends the lifespan of your Antec A40 Pro cooler.

- **Dust Removal:** Periodically (every 3-6 months, or more frequently in dusty environments) use compressed air to blow dust out of the heatsink fins and fan blades. Hold the fan blades gently to prevent them from spinning rapidly during cleaning, which can damage the fan motor.
- **Thermal Paste:** The thermal paste typically lasts for several years. If you notice a significant increase in CPU temperatures, consider reapplying fresh thermal paste. This requires removing the cooler, cleaning the old paste, and applying new paste.
- **Fan Inspection:** Check the fan for any signs of wear, unusual noise, or reduced rotation speed. If the fan fails, it can often be replaced without replacing the entire heatsink.



Figure 4: Front view of the Antec A40 Pro fan, showing the Antec logo on the hub.

## 7. TROUBLESHOOTING

- **High CPU Temperatures:**
  - Ensure the cooler is securely mounted and making full contact with the CPU.
  - Verify that thermal paste was applied correctly and is not dried out.
  - Check if the fan is spinning. If not, ensure it's properly connected to the CPU_FAN header.

- Clean any dust accumulation from the heatsink fins and fan blades.
- Confirm adequate airflow within your computer case.

- **Fan Not Spinning or Making Unusual Noise:**

  - Check the 4-pin fan connection to the motherboard.
  - Inspect for any cables or obstructions hitting the fan blades.
  - If the fan is making grinding or clicking noises, it may be failing and require replacement.

- **Blue LED Not Lighting Up:**

  - The LED is integrated with the fan power. If the fan is spinning but the LED is off, there might be an issue with the LED itself. This typically does not affect cooling performance.

## 8. SPECIFICATIONS

**Antec A40 Pro Technical Specifications**

| Feature | Specification |
| --- | --- |
| Brand | Antec |
| Model Number | 0-761345-10923-9 (A40 Pro) |
| Cooling Method | Air Cooling (Fan) |
| Compatible Devices | Desktop CPUs |
| Material | Copper Heat Pipes, Aluminum Fins |
| Fan Size | 92mm |
| Maximum Rotational Speed | 800 RPM (Note: This is the listed maximum speed from product specifications.) |
| Power Connector Type | 4-Pin PWM |
| Voltage | 12 Volts |
| Wattage | 125 watts (TDP support) |
| Product Dimensions (LxWxH) | 3.94 x 5.12 x 3.15 inches |
| Item Weight | 1.1 pounds |
| Compatible Sockets | AMD: AM2, AM2+, AM3, AM3+, FM1, FM2, FM2+, AM4; Intel: LGA 1151 (and similar LGA 115x sockets) |

## 9. WARRANTY AND SUPPORT

Antec products are designed for reliability and performance. For specific warranty information regarding your Antec A40 Pro Processor Cooler, please refer to the warranty card included with your product or visit the official Antec website. Warranty terms typically cover manufacturing defects for a specified period from
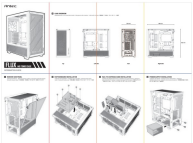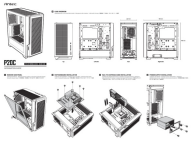
the date of purchase.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Antec customer service through their official website or the contact information provided in your product packaging. When contacting support, please have your product model number (A40 Pro) and proof of purchase readily available.

Official Antec Website: www.antec.com

## Related Documents - A40 Pro

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|---|---|
|  | **Antec Vortex 360 ARGB CPU Cooler Manual**<br>This manual provides detailed instructions for installing and using the Antec Vortex 360 ARGB CPU Cooler, including accessories, Intel and AMD platform installation, pumphead and fan setup, radiator mounting, and controller connections. |
|  | **Antec Flux Mid Tower ATX PC Case User Manual**<br>Comprehensive user manual for the Antec Flux Mid Tower ATX PC Case, detailing features, specifications, installation guide, and maintenance tips for building a high-performance PC. |
|  | **Antec P20C Mid Tower Gaming PC Case - User Manual and Installation Guide**<br>Comprehensive user manual for the Antec P20C mid-tower PC case. Learn about its features, installation steps for motherboards, storage, cooling, GPUs, and front panel I/O. Includes specifications and maintenance tips. |
|  | **Antec C8 ARGB PC Case User Manual**<br>Detailed user manual for the Antec C8 ARGB PC case, covering installation, features, specifications, and ARGB lighting control for PC builders. |
|  | **Antec Fusion Remote / Fusion Remote Black User's Manual**<br>User's manual for the Antec Fusion Remote and Fusion Remote Black PC cases, providing detailed instructions on setup, component installation, cooling systems, and remote control features for building a media center PC. |

[Antec Performance 1 ARGB PC Case Installation Guide](#)
An Antec Performance 1 ARGB PC case installation guide. Discover contents, product overview, detailed installation steps for components like motherboard, GPU, storage, and fans, along with Antec iUnity software information.