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Corsair 4000D Airflow

Corsair 4000D Airflow Mid-Tower ATX Case Instruction Manual

Model: 4000D Airflow (CC-9900020-WW)

1. INTRODUCTION

The Corsair 4000D Airflow is a mid-tower ATX case designed for efficient cable management and superior cooling performance. It features a steel front panel optimized for high airflow, complemented by two pre-installed 120mm AirGuide fans with anti-vortex vanes. The case incorporates the Corsair RapidRoute cable management system, offering a single channel for major cables and 25mm of routing depth behind the motherboard. It provides ample space for various cooling solutions, including radiators up to 360mm in the front and 280mm in the roof, and supports up to four storage drives. A modern front I/O panel, including a USB-C port, ensures convenient connectivity.



Figure 1: Corsair 4000D Airflow Tempered Glass Mid-Tower ATX Case with Teak Front Panel.

2. KEY FEATURES

- **High-Airflow Design:** Optimized steel front panel and mesh top panel for maximum ventilation.
- **Efficient Cable Management:** Corsair RapidRoute system with a single routing channel and 25mm depth behind the motherboard.
- **Included Fans:** Two 120mm CORSAIR AirGuide fans with anti-vortex vanes for concentrated airflow.
- **Extensive Cooling Support:** Accommodates up to 6x 120mm or 4x 140mm cooling fans, and multiple radiators (up to 360mm front, 280mm roof).
- **Storage Options:** Supports up to four storage drives (2x 2.5" SSD mounts, 2x 3.5" HDD trays).
- **Modern Front I/O:** Includes 1x USB 3.0 port, 1x USB Type-C port, and a 3.5mm combination headphone/microphone jack.
- **Tempered Glass Side Panel:** Provides a clear view of internal components.

3. SETUP AND INSTALLATION

Follow these steps to assemble your PC components within the Corsair 4000D Airflow case.

3.1. Panel Removal

1. **Side Panel:** The tempered glass side panel is hinged and can be opened by pulling the rear edge. It can be fully removed by lifting it off its hinges.
2. **Front Panel:** Gently pull the bottom of the front panel to detach it from the chassis. This provides access to the front fan mounts and dust filter.
3. **Top Panel:** The top mesh panel can be removed by sliding it backward and then lifting it off. This reveals the top fan/radiator mounts.

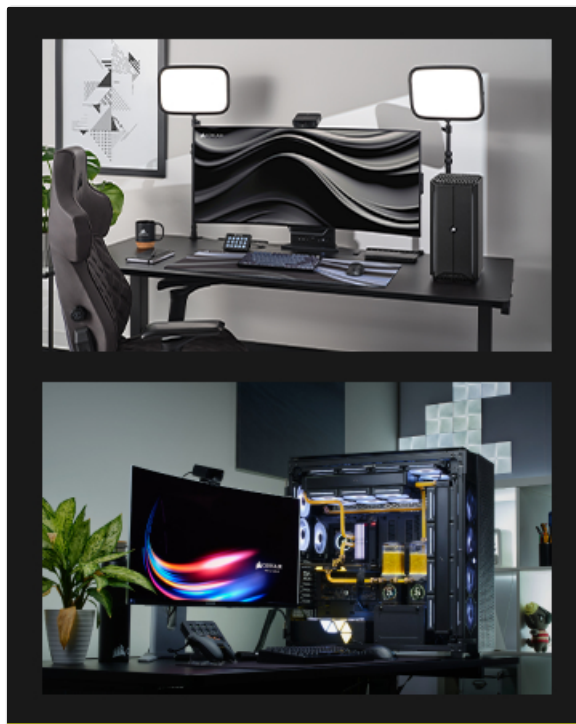


Figure 2: Front panel removed, revealing the fan mounting area.

3.2. Motherboard Installation

Install your ATX motherboard onto the pre-installed standoffs. Secure it with the provided screws.

3.3. Power Supply Unit (PSU) Installation

The PSU is installed at the bottom rear of the case. Slide the PSU into its designated bay and secure it with screws from the rear of the chassis. Ensure proper cable routing through the dedicated channels.

3.4. Storage Drive Installation

The case supports 2x 2.5" SSD mounts and 2x 3.5" HDD trays. Install your SSDs onto the dedicated mounts behind the motherboard tray. The 3.5" HDD trays are located in the PSU shroud area and can be pulled out for easy installation.

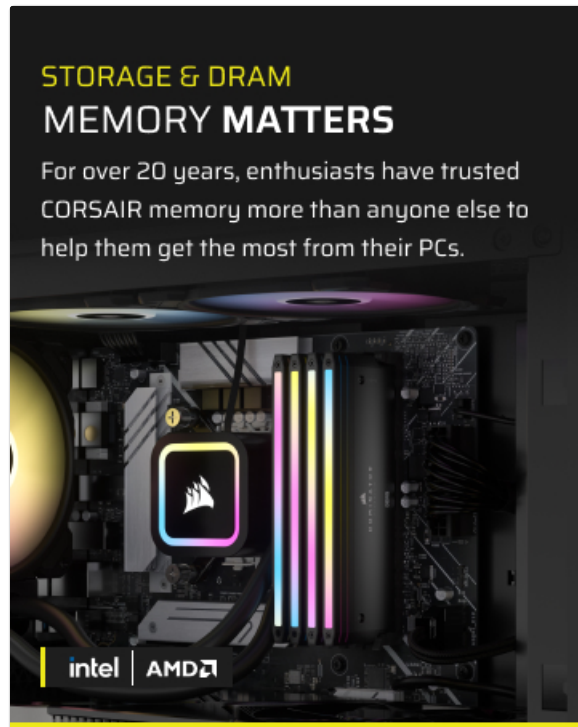


Figure 3: Storage drive mounting locations.

3.5. Fan and Radiator Installation

The Corsair 4000D Airflow supports various fan and radiator configurations:

- **Front:** Up to 3x 120mm or 2x 140mm fans. Supports radiators up to 360mm.
- **Top:** Up to 2x 120mm or 2x 140mm fans. Supports radiators up to 280mm (dependent on RAM height).
- **Rear:** 1x 120mm fan.

Utilize the InfiniRail fan mounting system for flexible fan placement.

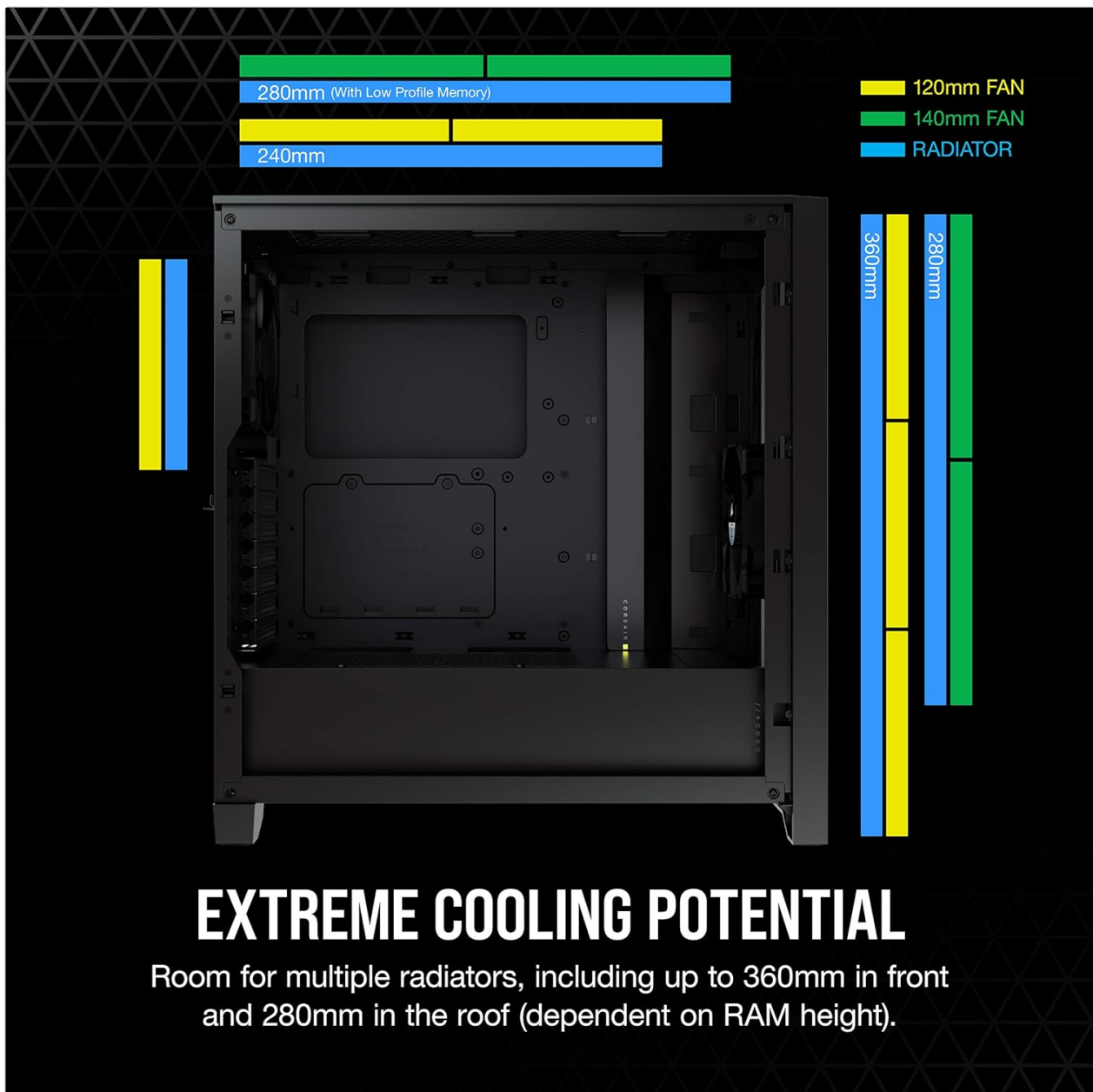


Figure 4: Fan and radiator compatibility.

3.6. Cable Management

The Corsair RapidRoute cable management system simplifies cable routing. Use the dedicated single channel and Velcro straps behind the motherboard tray to organize and secure cables, ensuring a clean interior and optimal airflow.

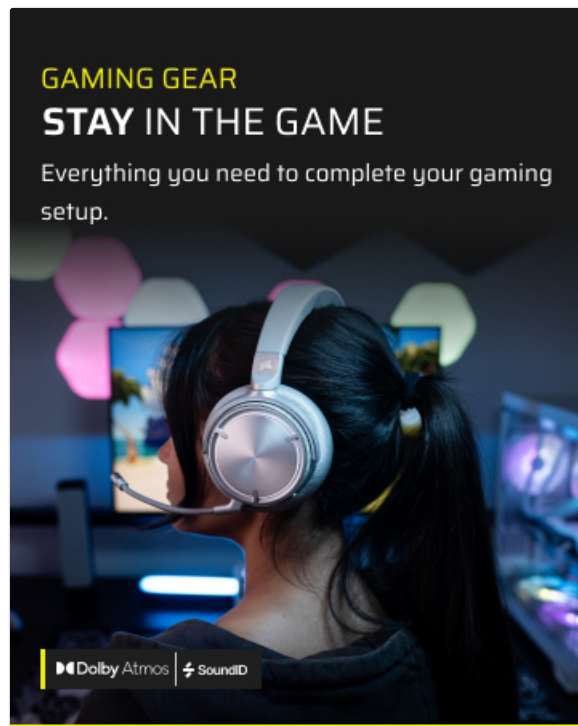


Figure 5: Corsair RapidRoute cable management.

3.7. Graphics Card (GPU) Installation

Install your graphics card into the appropriate PCIe slot on your motherboard. Ensure it is securely fastened. The case provides ample clearance for most modern GPUs.

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Video 1: Official Corsair video demonstrating the features and build process of the 4000D Airflow case.

4. OPERATING INSTRUCTIONS

Once all components are installed and connected, close all panels securely. Connect your peripherals and power cable, then press the power button on the front I/O panel to start your system.

4.1. Front I/O Panel

The front I/O panel provides convenient access to essential ports:

- **Power Button:** To turn your PC on/off.
- **USB 3.0 Port (x1):** For high-speed data transfer.
- **USB Type-C Port (x1):** For modern device connectivity.
- **3.5mm Combo Jack (x1):** For headphones and microphone.

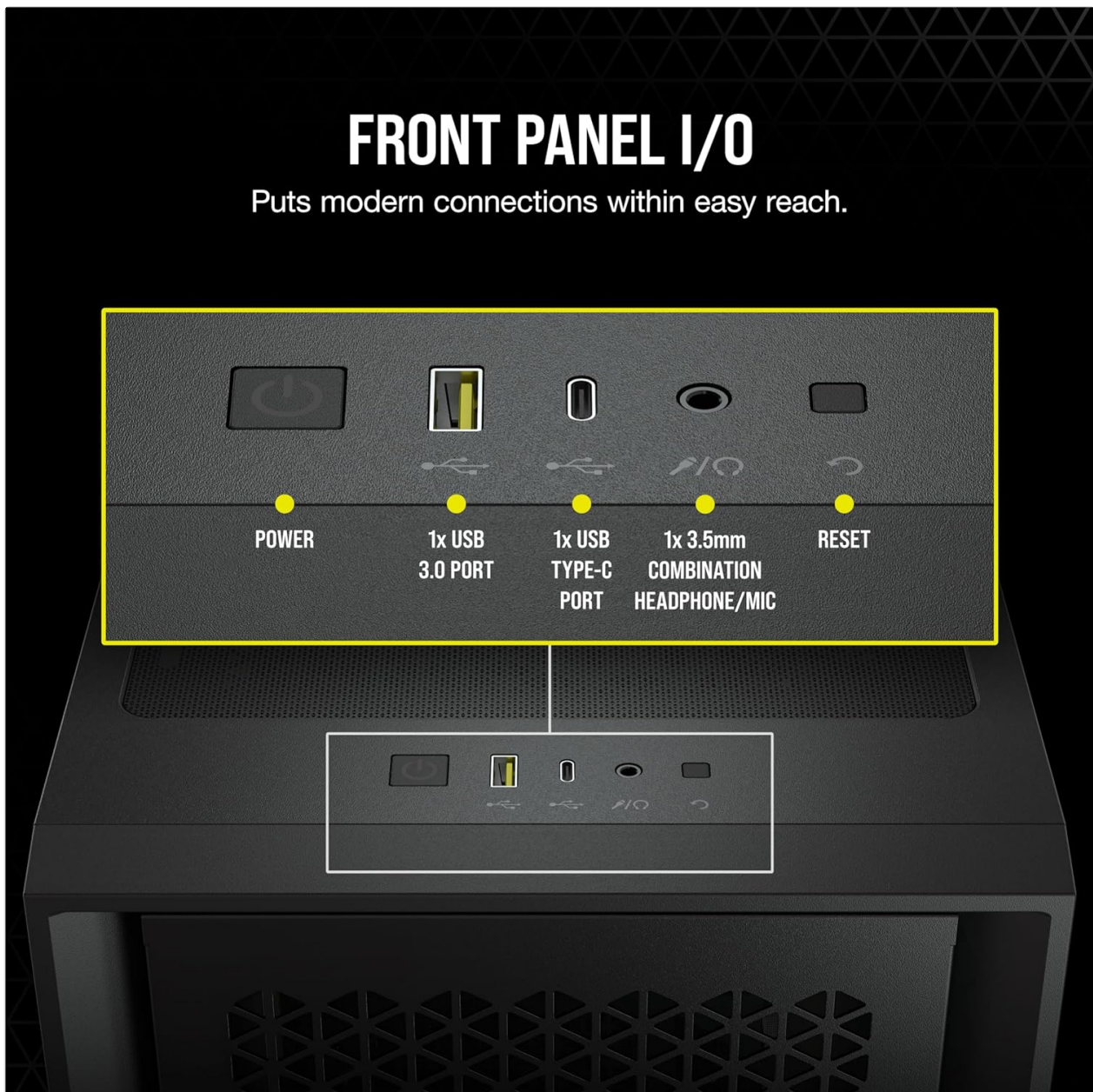


Figure 6: Front I/O Panel overview.

5. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your PC components.

5.1. Dust Filter Cleaning

The Corsair 4000D Airflow is equipped with removable dust filters on the front, top, and bottom. Periodically remove and clean these filters to prevent dust buildup and maintain efficient airflow. Use compressed air or a soft brush to remove accumulated dust.

5.2. General Cleaning

Use a soft, dry cloth to wipe down the exterior of the case. For the tempered glass panel, use a glass cleaner and a microfiber cloth to avoid scratches.

6. TROUBLESHOOTING

If you encounter issues with your PC build, consider the following general troubleshooting steps:

- **No Power:** Ensure all power cables (PSU to wall, PSU to motherboard, PSU to components) are securely connected. Check the power switch on the PSU.
- **Overheating:** Verify that all fans are spinning correctly and are not obstructed. Ensure dust filters are clean. Check thermal paste application on CPU cooler.
- **Component Not Detected:** Re-seat the component (e.g., RAM, GPU, storage drive). Check all associated power and data cables.
- **Noise:** Identify the source of the noise. Ensure fans are properly mounted and not vibrating against the chassis.

7. SPECIFICATIONS

| Feature | Detail |
|----------------------------|------------------------------------------------|
| Brand | Corsair |
| Model Name | 4000D Airflow |
| Item Model Number | CC-9900020-WW |
| Case Type | Mid Tower |
| Motherboard Compatibility | ATX |
| Product Dimensions (LxWxH) | 17.83 x 9.06 x 18.35 inches |
| Item Weight | 17.27 pounds |
| Color | Black and Teak |
| Material | Plastic, Tempered Glass |
| Cooling Method | Air |
| Included Fans | 2x 120mm AirGuide Fans |
| Front I/O Ports | 1x USB 3.0, 1x USB Type-C, 1x 3.5mm Combo Jack |

8. WARRANTY AND SUPPORT

This Corsair product is covered by a manufacturer's warranty. For detailed warranty information, technical support, or service inquiries, please refer to the official Corsair website or contact Corsair customer support directly. Keep your proof of purchase for warranty claims.