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> Corsair 480T RGB Airflow Tempered Glass Mid-Tower Computer Case User Manual

Corsair CC-9011275-WW

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Model: CC-9011275-WW



1. INTRODUCTION

The Corsair 480T RGB is a mid-tower ATX computer case designed for optimal airflow and component visibility. It features a spacious interior, a high-airflow front panel, and tempered glass side panel. This manual provides instructions for the assembly, operation, and maintenance of your Corsair 480T RGB case.



Image 1.1: Front-angled view of the Corsair 480T RGB case, showcasing the perforated front panel with three illuminated RGB fans and the tempered glass side panel.

2. KEY FEATURES

- **High Airflow Front Panel:** Features a well-perforated design to ensure efficient air intake for cooling components.
- **Extreme Cooling Potential:** Supports up to 7x 120mm or 4x 140mm cooling fans. Accommodates multiple radiators, including a 360mm radiator in the front or roof.
- **Three AR120 RGB Fans Included:** Comes with three AR120 RGB fans, each equipped with eight RGB LEDs, controllable via a 3-pin ARGB motherboard adapter.
- **Front Panel I/O:** Provides convenient access to 2x USB 3.2 Gen 1 Type-A ports, 1x USB 3.2 Gen 2 Type-C port, a microphone jack, and an audio jack.
- **Storage Capacity:** Offers mounts for up to three SSDs.
- **Tool-Free Tempered Glass Side Panel:** Allows for easy access to internal components and showcases your build.

HIGH AIRFLOW FRONT PANEL

Well perforated for the airflow you need for a cool system.



Image 2.1: Close-up view of the Corsair 480T RGB's high airflow front panel, highlighting the perforated design and the included AR120 RGB fans.

EXTREME COOLING POTENTIAL

Room for multiple radiators, including up to 360mm in front or 360mm in the roof.



Image 2.2: Diagram illustrating the cooling potential of the Corsair 480T RGB, showing fan and radiator placements for 120mm, 140mm, 280mm, and 360mm sizes.

3. PHYSICAL OVERVIEW

Familiarize yourself with the various parts of the Corsair 480T RGB case.

- **Front Panel:** Perforated for airflow, houses three AR120 RGB fans.
- **Top Panel:** Features a magnetic dust filter and additional fan/radiator mounts.
- **Rear Panel:** Includes motherboard I/O cutout, PCIe expansion slots, and an exhaust fan mount.
- **Left Side Panel:** Tempered glass for component visibility.
- **Right Side Panel:** Solid panel for cable management.
- **Front I/O Ports:** Power button, reset button, 2x USB 3.2 Gen 1 Type-A, 1x USB 3.2 Gen 2 Type-C, audio/mic jacks.

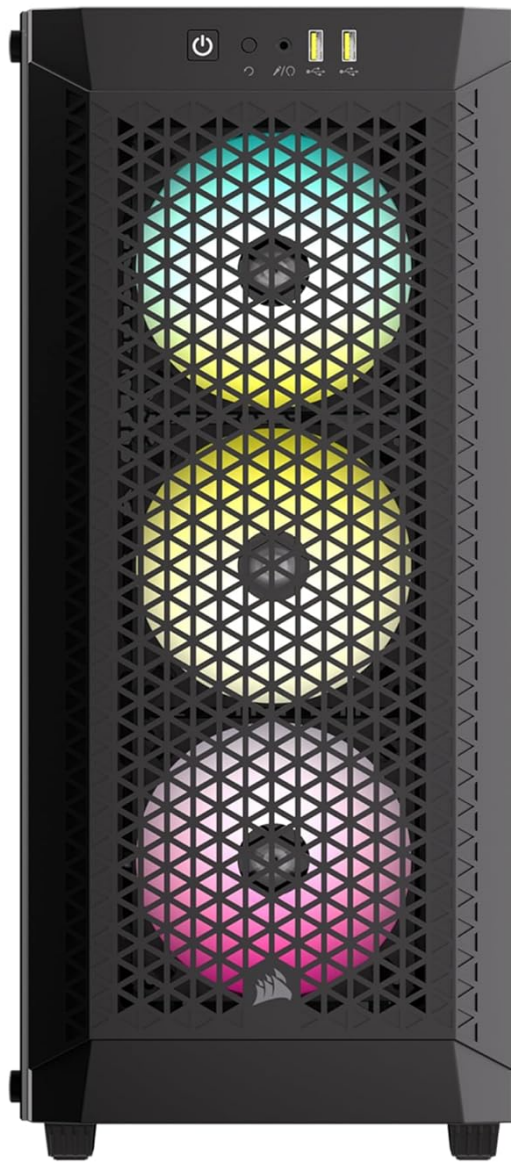


Image 3.1: Direct front view of the Corsair 480T RGB case, showing the three illuminated AR120 RGB fans behind the perforated panel and the top I/O ports.



Image 3.2: Rear view of the Corsair 480T RGB case, displaying the motherboard I/O cutout, PCIe expansion slots, and the rear exhaust fan mount.

4. SETUP AND INSTALLATION

Follow these steps to install your components into the Corsair 480T RGB case.

4.1. Preparing the Case

1. Place the case on a stable, flat surface.
2. Remove the tempered glass side panel by unscrewing the captive thumbscrews at the rear and carefully pulling the panel away.
3. Remove the solid right side panel by unscrewing the captive thumbscrews at the rear.



Image 4.1: Interior view of the Corsair 480T RGB case with both side panels removed, showing the spacious layout for component installation.

4.2. Motherboard Installation

1. Install the I/O shield (if applicable) into the rear opening of the case.
2. Align your ATX motherboard with the pre-installed standoffs. Ensure all screw holes align.
3. Secure the motherboard with the provided screws.

4.3. Storage Drive Installation

The case supports up to three SSDs.

1. Locate the SSD mounting brackets behind the motherboard tray or in the PSU shroud area.
2. Mount your 2.5-inch SSDs onto these brackets and secure them with screws.
3. Slide the brackets back into their designated slots.

4.4. Power Supply Unit (PSU) Installation

1. Slide your PSU into the dedicated compartment at the bottom rear of the case.
2. Align the PSU with the screw holes at the rear of the case.
3. Secure the PSU with screws.

4.5. Graphics Card (GPU) Installation

The case offers ample room for graphics cards up to 400mm long.

1. Remove the necessary PCIe slot covers from the rear of the case.
2. Insert your graphics card into the appropriate PCIe slot on your motherboard.
3. Secure the graphics card with screws.



Image 4.2: Internal view of the Corsair 480T RGB case, demonstrating the clearance for graphics cards up to 400mm in length.

4.6. Fan and Radiator Installation

The case supports various fan and radiator configurations. Refer to Image 2.2 for detailed placements.

1. Mount additional fans or radiators to the designated spots (front, top, rear) using appropriate screws.

2. Connect fan power cables and RGB cables to your motherboard or a fan controller.

4.7. Front I/O Connections

Connect the front panel cables to your motherboard:

- USB 3.2 Gen 1 Type-A (2x)
- USB 3.2 Gen 2 Type-C (1x)
- HD Audio (for microphone and audio jacks)
- Power Switch, Reset Switch, Power LED, HDD LED

4.8. Cable Management

Utilize the cable routing cutouts and tie-down points behind the motherboard tray to manage cables for a clean build and improved airflow.



Image 4.3: View of the Corsair 480T RGB from the right side, showing the space behind the motherboard tray for cable routing and management.

5. OPERATING INSTRUCTIONS

After all components are installed and connected, replace the side panels.

1. Connect your monitor, keyboard, mouse, and power cable to the rear of your system.
2. Press the power button on the front I/O panel to turn on your computer.
3. The AR120 RGB fans will illuminate, and your system should boot.
4. Use the front USB ports for connecting peripherals or external storage devices.

6. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your computer case.

6.1. Dust Filter Cleaning

The Corsair 480T RGB includes removable dust filters to prevent dust buildup inside the case.

- **Top Filter:** The top magnetic dust filter can be easily lifted off for cleaning.
- **Front Filter:** The front panel can be removed to access the front dust filter for cleaning.
- **Bottom Filter:** A removable dust filter is located under the PSU intake. Slide it out from the rear for cleaning.

Clean dust filters periodically using compressed air or by rinsing with water (ensure they are completely dry before reinstallation).



Image 6.1: Close-up view of the top magnetic dust filter on the Corsair 480T RGB, shown partially lifted for removal and cleaning.

6.2. General Cleaning

Wipe down the exterior of the case with a soft, damp cloth. Avoid abrasive cleaners or solvents.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

- **System Not Powering On:**

- Ensure the PSU is switched on and properly connected to the wall outlet.
- Verify all power cables (24-pin ATX, CPU, GPU) are securely connected to the motherboard and components.
- Check that the front panel power switch cable is correctly connected to the motherboard's front panel header.

- **Fans Not Spinning / RGB Not Lighting Up:**

- Confirm fan power cables are connected to the motherboard or fan controller.
- Ensure ARGB cables are properly connected to a compatible 3-pin ARGB header on your motherboard.

- Check your motherboard's BIOS/UEFI or software for fan speed and RGB control settings.
- **Poor Airflow / High Temperatures:**
 - Clean all dust filters as described in the Maintenance section.
 - Ensure fans are oriented correctly for optimal airflow (intake at front/bottom, exhaust at rear/top).
 - Verify that no cables are obstructing airflow paths inside the case.
- **Front USB Ports Not Working:**
 - Check that the USB 3.2 Gen 1 and Gen 2 Type-C cables from the front panel are securely connected to the corresponding headers on your motherboard.

8. SPECIFICATIONS

Feature	Specification
Brand	Corsair
Model Number	CC-9011275-WW
Case Type	Mid Tower
Motherboard Compatibility	ATX
Color	Black
Dimensions (L x W x H)	47.6 x 21.4 x 44.6 cm
Item Weight	6.34 kg
Front I/O Ports	2x USB 3.2 Gen 1 Type-A, 1x USB 3.2 Gen 2 Type-C, Audio Jack, Microphone Jack
Included Fans	3x AR120 RGB Fans
Radiator Support (Front)	Up to 360mm
Radiator Support (Top)	Up to 360mm
Storage Drive Bays	3x 2.5" SSD
GPU Clearance	Up to 400mm

9. WARRANTY AND SUPPORT

This Corsair product is covered by a **2-Year Warranty**.

For technical support, warranty claims, or further assistance, please visit the official Corsair support website or contact their customer service department. Keep your proof of purchase for warranty validation.

For more information, you may visit the [Corsair Store on Amazon](#).



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