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› Corsair 110R Tempered Glass Mid-Tower PC Case User Manual

CORSAIR CC-9011183-WW

Corsair 110R Tempered Glass Mid-Tower PC Case User Manual

Model: CC-9011183-WW

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Corsair 110R Tempered Glass Mid-Tower PC Case. Please read this manual thoroughly before beginning assembly to ensure proper setup and optimal performance. Keep this manual for future reference.



Figure 1: Corsair 110R Tempered Glass Mid-Tower PC Case, showcasing its sleek black design and tempered glass side panel.

2. PRODUCT OVERVIEW

The Corsair 110R is a mid-tower PC case designed for efficient component housing and cooling. Key features include:

- **Case Type:** Mid-Tower
- **Materials:** Steel, Tempered Glass
- **Motherboard Compatibility:** ATX, microATX, Mini-ITX
- **Power Supply Compatibility:** ATX (max 180mm length)

- **Graphics Card Compatibility:** Max 330mm length
- **CPU Cooler Compatibility:** Max 160mm height
- **Expansion Slots:** 7
- **Drive Bays:** External 5.25 inch x1, Internal 3.5 inch x2 (HDD cage), Internal 2.5 inch x2 (behind motherboard tray)
- **Radiator Support:** Top: 140/120mm; Front: 280/240mm; Rear: 120mm
- **Fan Support:** Top: 140/120mm x1; Front: 140mm x2 or 120mm x3; Rear: 120mm x1
- **Included Fan:** Rear: 120mm fan x1
- **I/O Ports:** USB 3.0 x2, Headphone/Microphone x1
- **External Dimensions:** 210(W) x 480(H) x 418(D) mm
- **Weight:** Approx 6.45 kg
- **Color:** Black

3. SETUP

Follow these steps for proper assembly of your PC components within the Corsair 110R case.

3.1. Unpacking and Initial Inspection

1. Carefully remove the case from its packaging.
2. Inspect the case for any signs of damage during transit. Contact your retailer immediately if damage is found.
3. Locate the accessory box, which contains screws, cable ties, and other small parts.

3.2. Side Panel Removal

- To access the interior, unscrew the thumbscrews securing the tempered glass side panel.
- Carefully remove the glass panel and set it aside on a soft, flat surface to prevent scratches.
- Remove the solid steel side panel on the opposite side for cable management access.

3.3. Motherboard Installation

- Install the I/O shield provided with your motherboard into the case's I/O cutout.
- Align your motherboard with the pre-installed standoffs. The case supports ATX, microATX, and Mini-ITX motherboards.
- Secure the motherboard using the appropriate screws from the accessory kit.

3.4. Power Supply Installation

- Position the ATX power supply unit (PSU) in the dedicated compartment at the bottom rear of the case. Ensure the fan faces downwards for optimal cooling, utilizing the bottom dust filter.
- Secure the PSU with screws from the accessory kit.

3.5. Drive Installation

- **3.5" HDDs:** Slide HDDs into the drive cage located beneath the PSU shroud. Secure them with the provided screws or tool-less mechanisms.
- **2.5" SSDs:** Mount SSDs onto the dedicated trays located behind the motherboard tray. Secure them with screws.
- **5.25" Optical Drive:** Install an optical drive into the external 5.25" bay at the front of the case, securing it with screws.

3.6. Graphics Card and Expansion Card Installation

- Remove the necessary expansion slot covers from the rear of the case.
- Insert your graphics card or other expansion cards into the appropriate PCIe slots on the motherboard.
- Secure the cards with screws.

3.7. Cable Management

- Route all power and data cables through the cutouts and tie-down points behind the motherboard tray.
- Utilize the included cable ties to bundle and secure cables, ensuring clear airflow and a tidy interior.

3.8. Fan and Radiator Installation

- The case includes one 120mm fan pre-installed at the rear.
- Additional fans or radiators can be installed in the front (up to 280/240mm radiator or 3x 120mm/2x 140mm fans) and top (up to 140/120mm radiator or 1x 140mm/120mm fan) positions as needed for enhanced cooling.

4. OPERATING

Once all components are installed and secured, connect your peripherals and power cable. The Corsair 110R is designed for optimal airflow with its mesh front panel and various fan mounting options. Ensure proper fan configuration (intake/exhaust) for efficient cooling of your system components.

5. MAINTENANCE

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

5.1. Dust Filter Cleaning

- The Corsair 110R features removable dust filters on the front, top, and bottom.
- Periodically remove these filters and clean them with compressed air or by rinsing them with water. Ensure they are completely dry before re-installing.

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 streaks.
- Use compressed air to clear dust from internal components and fan blades.

6. TROUBLESHOOTING

This section addresses common issues you might encounter.

6.1. Insufficient Airflow/High Temperatures

- Check fan orientation: Ensure intake fans pull air into the case and exhaust fans push air out.
- Clean dust filters: Clogged filters restrict airflow.
- Verify fan connections: Ensure all fans are properly connected to the motherboard or fan controller.

6.2. Components Not Fitting

- **Graphics Card:** Ensure your graphics card length does not exceed 330mm.
- **CPU Cooler:** Ensure your CPU cooler height does not exceed 160mm.

- **Power Supply:** Ensure your ATX power supply length does not exceed 180mm.

6.3. Front Panel I/O Not Working

- Check all front panel connectors (USB, audio, power/reset switches) are securely connected to the correct headers on your motherboard.

7. SPECIFICATIONS

Feature	Detail
Brand	CORSAIR
Manufacturer	CORSAIR
Product Model Number	CC-9011183-WW
Case Type	Midi Tower
Material	Alloy Steel
Color	Black
Product Dimensions (W x H x D)	210 x 480 x 418 mm (approx. 53.3 x 27.3 x 48.4 cm)
Item Weight	6 kg (approx. 6.45 kg)
Motherboard Compatibility	ATX, Micro ATX, Mini-ITX
USB 3.0 Ports	2
Power Supply Mounting Type	Bottom Mount
Cooling Method	Air
Fan Size (Included)	120mm (rear)
Recommended Uses For Product	Gaming

8. WARRANTY AND SUPPORT

The Corsair 110R Tempered Glass Mid-Tower PC Case (Model CS7644) comes with a **2-year warranty**. For technical support, warranty claims, or further assistance, please visit the official Corsair support website or contact your local Corsair distributor. Ensure you have your product model number (CC-9011183-WW) and proof of purchase available when seeking support.