Cougar MX110

Cougar MX110 RGB Mid Tower ATX Computer Case User Manual

Model: MX110 (382BD20.0001)

1. Introduction

This user manual provides detailed instructions for the installation, operation, and maintenance of your Cougar MX110 RGB Mid Tower ATX Computer Case. Please read this manual thoroughly before beginning assembly to ensure proper setup and safe usage. Retain this manual for future reference.

2. Safety Information

Observe the following safety guidelines during installation and operation:

- Always disconnect the power supply from the wall outlet before installing or removing any components inside the computer case.
- Handle components with care to prevent damage from electrostatic discharge. Consider using an anti-static wrist strap.
- Avoid placing the computer case in areas with high humidity, extreme temperatures, or direct sunlight.
- Ensure proper ventilation around the case to prevent overheating.
- Keep small parts and screws away from children.

3. Package Contents

Verify that all items are present in your package:

- Cougar MX110 RGB Mid Tower ATX Computer Case
- Accessory Box (containing screws, standoffs, cable ties, etc.)
- User Manual (this document)

4. Product Overview

The Cougar MX110 RGB case features a mid-tower design with a transparent side panel and pre-installed RGB fans for efficient cooling and visual appeal.



Figure 4.1: Front-side view of the Cougar MX110 RGB case, showcasing the mesh front panel and pre-installed RGB fans.



Figure 4.2: Top view of the case, highlighting the magnetic dust filter and front I/O panel with USB ports and audio jacks.



Figure 4.3: Interior view through the transparent side panel, showing the motherboard tray, fan mounts, and cable routing options.



Figure 4.4: Rear view of the case, illustrating the rear exhaust fan, motherboard I/O cutout, expansion slots, and power supply mount.

Front I/O Panel:

- Power Button
- Reset Button
- USB 3.0 Port (x1)
- USB 2.0 Ports (x2)
- Headphone Jack
- Microphone Jack

5. Setup Instructions

5.1. Preparation

1. Unpack the case and place it on a stable, flat surface.

2. Remove the transparent side panel by unscrewing the thumbscrews at the rear of the case.
3. Gather necessary tools: Phillips head screwdriver, cable ties (some included in accessory box).

5.2. Motherboard Installation

1. Install the I/O shield provided with your motherboard into the cutout at the rear of the case.
2. Align the motherboard with the pre-installed standoffs. For ATX, Micro-ATX, or Mini-ITX motherboards, ensure correct standoff placement.
3. Secure the motherboard using the provided screws from the accessory box. Do not overtighten.

5.3. Power Supply Unit (PSU) Installation

1. Position the PSU into the dedicated compartment at the bottom rear of the case.
2. Ensure the PSU fan faces downwards (if the case has a bottom vent) or upwards (if no bottom vent).
3. Secure the PSU with screws from the accessory box, attaching it to the rear of the case.

5.4. Storage Device Installation (HDDs/SSDs)

The MX110 RGB supports 2 x 3.5" HDDs + 2 x 2.5" SSDs OR 4 x 2.5" SSDs.

- **3.5" HDDs:** Locate the drive cage at the bottom of the case. Slide the HDD into the drive tray and secure it with screws.
- **2.5" SSDs:** Mount SSDs to the designated mounting points on the motherboard tray or drive cage using screws.

5.5. Expansion Card (GPU) Installation

1. Remove the necessary expansion slot covers at the rear of the case.
2. Insert your graphics card or other expansion card into the appropriate PCIe slot on the motherboard.
3. Secure the card with the provided screw or retention clip. The case supports GPUs up to 305mm in length.

5.6. Fan and Radiator Installation

The case comes with 3 x 120mm fixed RGB fans at the front and 1 x 120mm fixed RGB fan at the rear pre-installed.

- **Additional Fans:** The case supports up to 6 x 120mm fans in total. Additional fans can be mounted at the top.
- **Radiator Support:** Up to a 240mm AIO radiator can be installed at the front or top of the case.
- **Air Cooler Support:** CPU air coolers up to 158mm in height are supported.

5.7. Cable Management

Utilize the cutouts and tie-down points behind the motherboard tray to route and secure cables. This improves airflow and aesthetics.

6. Operating Instructions

6.1. Initial Power On

1. Ensure all components are correctly installed and all necessary cables are connected.
2. Connect the power cable to your PSU and a wall outlet.
3. Press the Power Button on the front I/O panel to start your system. The pre-installed RGB fans will illuminate.

6.2. RGB Fan Operation

The MX110 RGB features fixed RGB fans. Their lighting pattern is pre-set and does not require additional software or

buttons for control. They will illuminate upon system power-on.

7. Maintenance

- **Dust Filters:** Regularly clean the magnetic dust filters located on the top and bottom of the case to maintain optimal airflow and prevent dust buildup. Remove filters and gently brush or rinse with water (ensure completely dry before re-installation).
- **Interior Cleaning:** Periodically use compressed air to remove dust from internal components and fans. Ensure the system is powered off and unplugged before cleaning.
- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid harsh chemicals.

8. Troubleshooting

- **System Not Powering On:**
  - Check all power connections, including the PSU to the wall, PSU to motherboard (24-pin and CPU 8-pin), and front panel power switch header.
  - Ensure the PSU switch is in the 'ON' position.
- **Fans Not Spinning/RGB Not Lighting:**
  - Verify fan power cables are securely connected to the motherboard or fan controller.
  - Confirm the system is receiving power.
- **Overheating Issues:**
  - Ensure all fans are spinning correctly and oriented for proper airflow (intake/exhaust).
  - Clean dust filters and internal components.
  - Verify CPU cooler and GPU cooler are properly seated and functioning.

9. Specifications

Feature	Specification
Case Type	Mid Tower
Motherboard Compatibility	Mini-ITX, Micro-ATX, ATX
Dimensions (L x W x H)	360 x 200 x 452 mm (14.17 x 7.87 x 17.8 inches)
Weight	4.52 kg (9.96 lbs)
GPU Length Support	Up to 305 mm
CPU Cooler Height Support	Up to 158 mm
PSU Type	Standard ATX PS2
Drive Bays	2 x 3.5" HDD + 2 x 2.5" SSD OR 4 x 2.5" SSD
Expansion Slots	7
Pre-installed Fans	Front: 3 x 120mm Fixed RGB, Rear: 1 x 120mm Fixed RGB

Max Fan Support	6 x 120mm
Radiator Support	Front: 240mm, Top: 240mm
Front I/O Ports	1 x USB 3.0, 2 x USB 2.0, HD Audio (Mic/Headphone), Power, Reset
Materials	Metal, Plastic, Tempered Glass (side panel)

10. Warranty and Support

For warranty information and technical support, please refer to the official Cougar website or contact your local distributor. Keep your proof of purchase for warranty claims.
Cougar Official Website: https://cougargaming.com/

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