

Montech X1

Montech X1 Black ATX Mid-Tower Case User Manual

Model: X1 | Brand: Montech

INTRODUCTION

The Montech X1 Black ATX Mid-Tower Case is designed to provide excellent airflow and aesthetic appeal for your PC build. It features a unique mesh front panel, a tempered glass side panel, and comes pre-installed with four 120mm Autoflow RGB LED fans to ensure optimal cooling and a vibrant look right out of the box. This manual provides essential information for setting up, operating, and maintaining your Montech X1 case.



Image: Front-left view of the Montech X1 Black ATX Mid-Tower Case, showcasing the mesh front panel with three RGB fans and the tempered glass side panel.

SETUP AND INSTALLATION

1. Unpacking and Contents Check

Carefully remove the Montech X1 case from its packaging. Inspect for any signs of damage during transit. Ensure all accessories, such as screws, standoffs, and cable ties, are present.

2. Motherboard Installation

The Montech X1 supports ATX, Micro ATX, and Mini ITX motherboards. Install the necessary standoffs for your motherboard form factor. Carefully place your motherboard into the case, aligning it with the standoffs, and secure it with

screws.



Image: Internal view of the Montech X1 case, highlighting compatible motherboard sizes (ATX, Micro-ATX, Mini-ITX) and fan mounting locations (Front 120mm*3, Rear 120mm*1, Top 120mm*2), along with SSD drive bay locations.

3. Drive Bay Installation

The case provides 3 x 2.5" drive bays and 1 x 3.5" drive bay. Install your SSDs and HDDs into the designated bays and secure them with the provided screws.

4. Power Supply Unit (PSU) Installation

The Montech X1 supports bottom-mount ATX power supplies. Slide your PSU into the dedicated compartment at the bottom rear of the case and secure it with screws from the rear of the case.



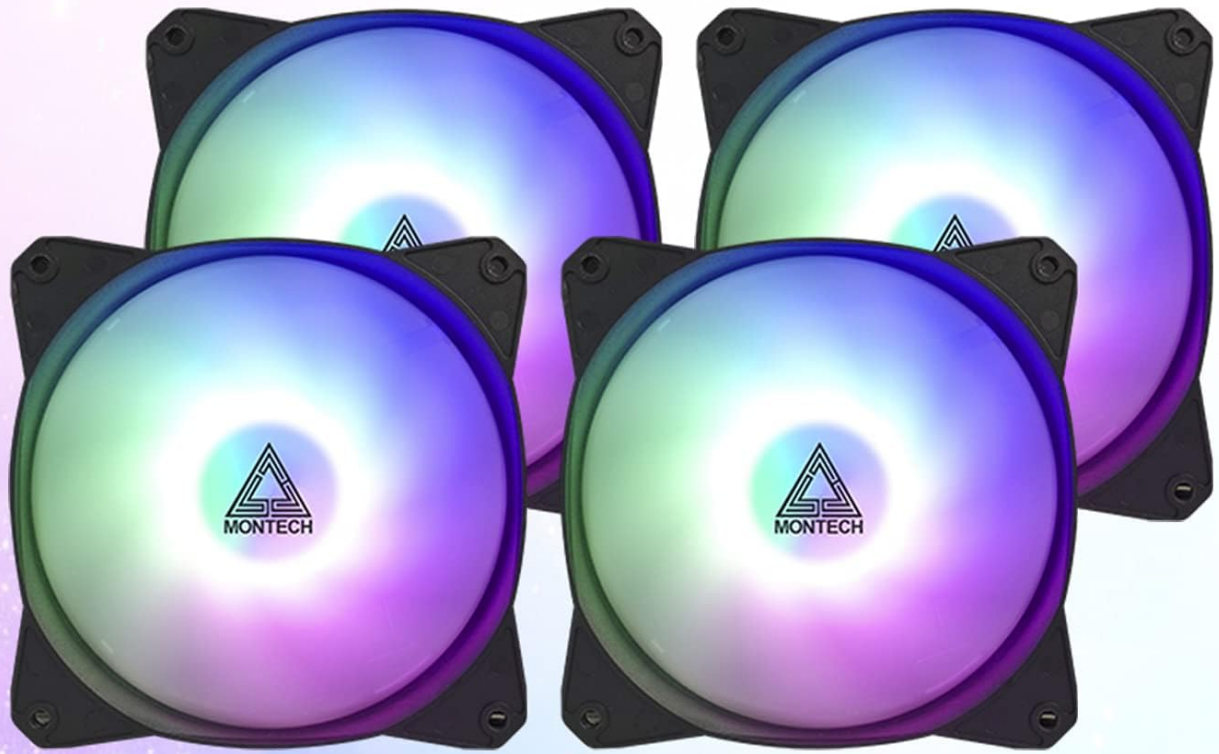
Image: Rear internal view of the Montech X1 case, illustrating the wiring space behind the motherboard tray, and the designated areas for SSD, HDD, and the Power Supply Unit (PSU) with an approximate length of 180mm.

5. Fan Configuration and Airflow

The Montech X1 comes with four 120mm Autoflow RGB fans pre-installed: three at the front and one at the rear. These fans are designed for optimal airflow and provide fixed RGB lighting that is not user-controllable. The mesh front panel and top ventilation further enhance the high airflow design.

FIXED LIGHTING FAN

4 x 120mm fans pre-installed



FAN COLOR CAN NOT CHANGE

Image: Four individual 120mm Autoflow RGB fans, highlighting that they are pre-installed and have fixed lighting that cannot be changed.



HIGH AIRFLOW

Airflow is maximized by incorporating mesh front panel, top panel ventilation, and rear exhaust. And the four RGB fans make great overall cooling performance.

Image: Close-up view of the Montech X1's mesh front panel, emphasizing its high airflow design. The image shows the hexagonal mesh pattern and the RGB lighting of the pre-installed fans behind it.

6. I/O Port Connections

Connect the front panel I/O cables (USB 2.0 x2, USB 3.0 x1, Audio x1, Mic x1) to their respective headers on your motherboard. Ensure correct polarity for power and reset switches, and LED indicators.

OPERATING INSTRUCTIONS

Once all components are installed and connected, close the tempered glass side panel. The pre-installed Autoflow RGB fans will illuminate automatically upon system power-on, providing consistent cooling and a vibrant display. These fans operate at a fixed speed and lighting pattern and are not controllable via software or external controllers.



TEMPERED GLASS SIDE PANEL

Full transparent tempered glass side panel that can showcase your build

Image: The Montech X1 case with its full transparent tempered glass side panel installed, showcasing the internal components and the illuminated RGB fans.

MAINTENANCE

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

- **Dust Filters:** The Montech X1 includes dust filters at the top and bottom. Periodically remove and clean these filters to prevent dust buildup inside the case, which can impede airflow and component cooling. Use compressed air or a soft brush to remove dust.
- **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.
- **Internal Dust:** Every few months, open the side panel and use compressed air to gently clear dust from internal components like CPU cooler fins, GPU heatsinks, and fan blades.

TROUBLESHOOTING

If you encounter issues with your Montech X1 case, consider the following common troubleshooting steps:

- **Fans Not Lighting Up:** Ensure all fan power cables are securely connected to the motherboard or power supply. Verify that the system is receiving power. Remember, the fans have fixed RGB lighting and are not controllable.
- **No Power to System:** Double-check all power connections, including the 24-pin ATX power, 8-pin CPU power, and GPU power cables. Ensure the PSU switch is in the 'ON' position.
- **Front Panel I/O Not Working:** Verify that the USB, audio, and power/reset switch cables from the front panel are correctly connected to the corresponding headers on your motherboard. Refer to your motherboard manual for correct pinouts.
- **Poor Airflow/Overheating:** Ensure dust filters are clean and not obstructed. Verify that all pre-installed fans are spinning. Ensure proper cable management to avoid obstructing airflow paths.

SPECIFICATIONS

Feature	Detail
Product Name	X1
Available Color	Black
Dimensions (LxWxH)	380 x 190 x 447 mm
Motherboard Support	ATX / Micro ATX / Mini ITX
Expansion Slots	7
Drive Bays	2.5" x 3 / 3.5" x 1
I/O Port	USB2.0 x 2, USB3.0 x 1, Audio x 1, Mic x 1
Pre-installed Fan(s)	Front: 120mm x 3 (Fixed Lighting Fan), Rear: 120mm x 1 (Fixed Lighting Fan)
Fan Support	Front: 120mm x 3, Rear: 120mm x 1, Top: 120mm x 2
VGA Clearance	305mm
CPU Cooler Clearance	165mm
Dust Filters	Top, Bottom
Power Supply Support	Bottom mount, ATX
Material Type	Tempered Glass
Item Weight	1 kg

WARRANTY AND SUPPORT

Montech products are manufactured to high quality standards. For warranty information and technical support, please refer to the official Montech website or contact their customer service directly. Keep your proof of purchase for warranty claims.

For further assistance, please visit: [Montech Official Website](#)

