Montech X3 MESH

Montech X3 Mesh PC Gaming Case User Manual

Model: X3 MESH Black

1. PRODUCT OVERVIEW

The Montech X3 Mesh is an ATX Mid-Tower PC Gaming Case designed for high airflow and visual appeal. It comes equipped with six pre-installed fixed RGB lighting fans (3x 140mm in the front, 2x 120mm on top, and 1x 120mm in the rear) to optimize cooling and provide vibrant illumination. The case features a unique door-open tempered glass side panel for easy access and a full panoramic view of your internal components.

Figure 1: Montech X3 Mesh PC Gaming Case (Black)
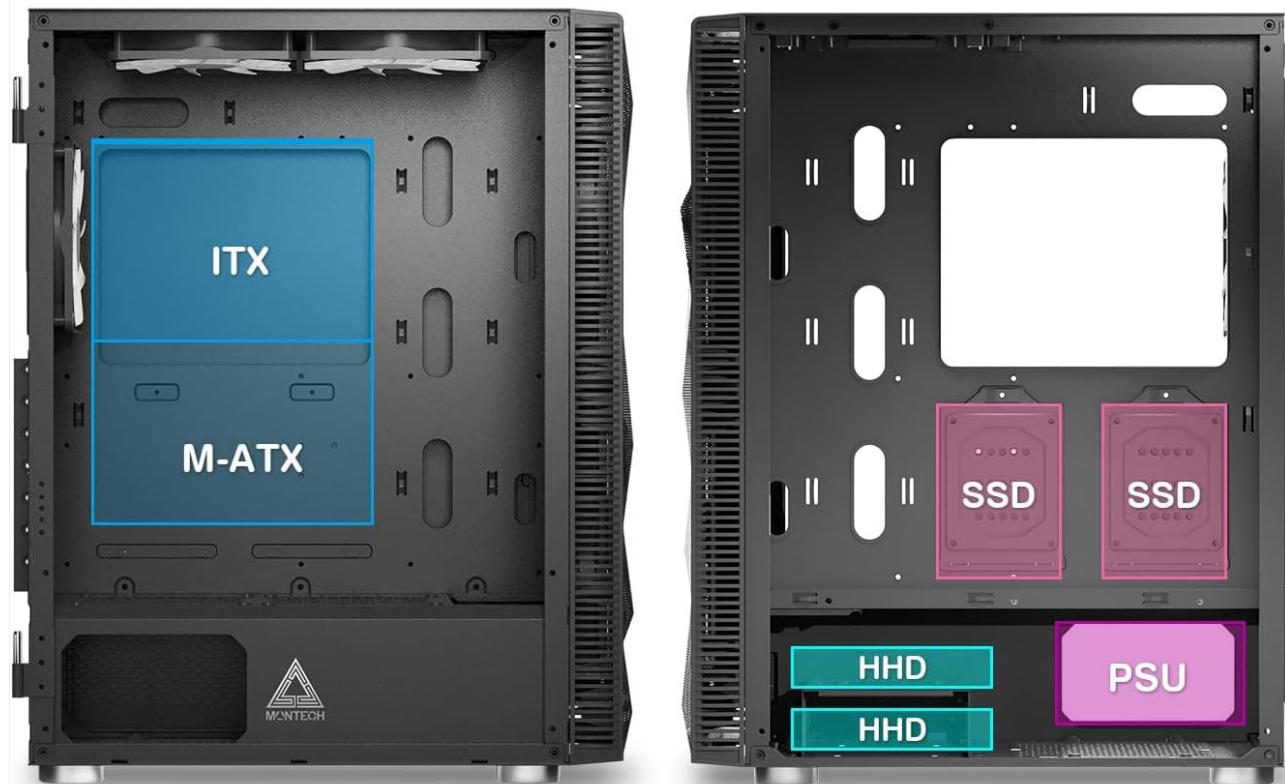
2. SETUP GUIDE

2.1 Unboxing and Initial Inspection

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

2.2 Component Installation

The Montech X3 Mesh supports ATX, Micro-ATX, and Mini-ITX motherboards. It offers ample space for CPU coolers up to 160mm high and GPUs up to 305mm long.

Motherboard Support:	ATX/Micro ATX/Mini ITX
Drive Bays:	2.5"x2 / 3.5" or 2.5"x2
Fan Support:	Front: 120/140mm*3 Rear: 120mm*1 Top: 120mm*2
Pre-installed Fan(s): (LED Rainbow fan)	Front: 140mm*3 Rear: 120mm*1 Top: 120mm*2

Figure 2: Internal Component Clearance

2.2.1 Motherboard Installation

1. Open the tempered glass side panel by gently pulling the fabric tab.
2. Install the I/O shield into the motherboard cutout at the rear of the case.
3. Align your motherboard with the standoffs inside the case and secure it with screws.

2.2.2 Power Supply Unit (PSU) Installation

The PSU is mounted at the rear bottom of the case. The case supports PSUs up to 160mm in length.

1. Slide the PSU into its designated compartment from the rear of the case.
2. Secure the PSU with screws from the outside.

2.2.3 Storage Drive Installation

The case provides bays for 2x 2.5" SSDs behind the motherboard tray and 2x 3.5" HDDs (or 2x 2.5" SSDs) in a removable cage below the PSU shroud.

FULL PANORAMIC VIEW

The Montech X3 features a full Panoramic Tempered Glass side panel, so you can easily showoff your battle system and RGB lighting.

Figure 3: Drive Bay Locations

1. For 2.5" SSDs, mount them directly onto the SSD brackets behind the motherboard tray.
2. For 3.5" HDDs, slide them into the drive cage located under the PSU shroud and secure. The drive cage is removable for easier installation or to create more space.

2.2.4 Graphics Card (GPU) Installation

Install your graphics card into the appropriate PCIe slot on your motherboard and secure it with the provided screws.

2.3 Cable Management

The Montech X3 Mesh offers dedicated cutouts and tie-down points behind the motherboard tray for efficient cable routing, ensuring a clean build and improved airflow.
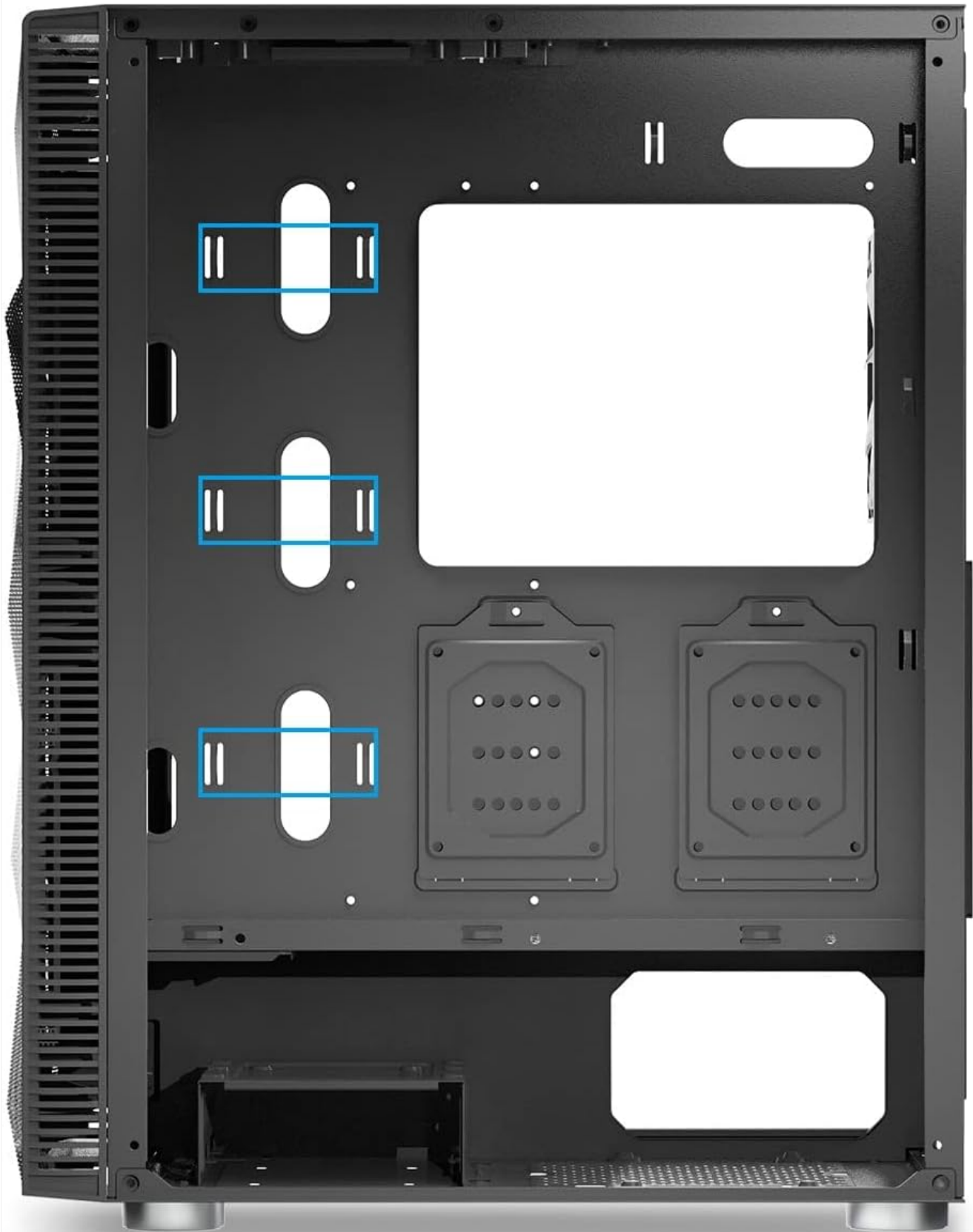
SMART CABLE MANAGEMENT

Figure 4: Smart Cable Management Features

3. OPERATING INSTRUCTIONS

3.1 Powering On

Connect your power cable to the PSU and press the power button located on the top I/O panel.
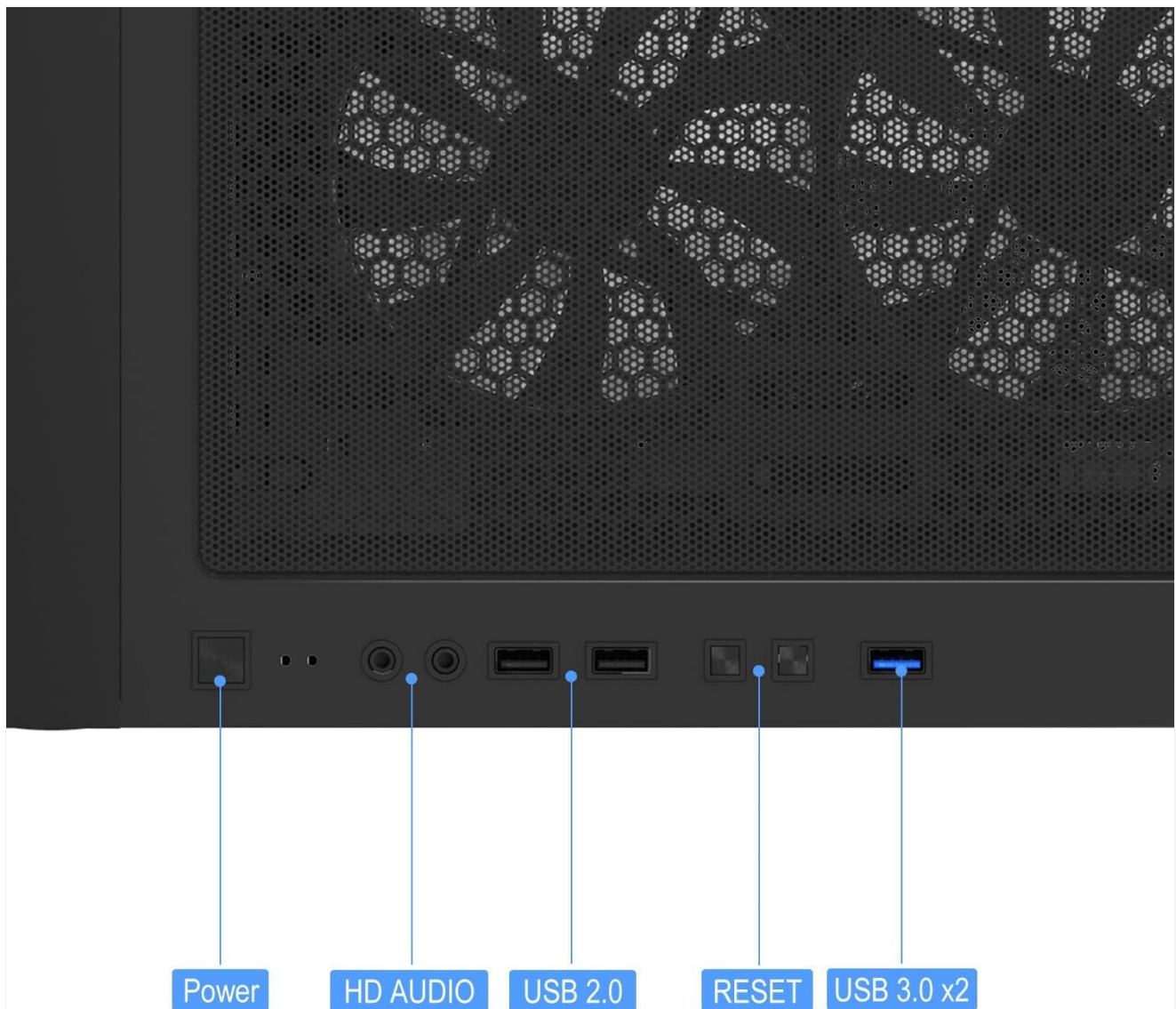

Figure 5: Top I/O Panel

3.2 RGB Lighting Control

The X3 Mesh features fixed RGB lighting fans. To turn the fan lighting on or off, simply press the dedicated LED button on the top I/O panel. Note that the lighting is fixed and not addressable.

Video 1: Demonstration of RGB Lighting Fans

This video showcases the fixed RGB lighting of the fans within the Montech X3 Mesh case, highlighting their visual effect when powered on.

3.3 Airflow and Cooling

The case is designed for high airflow, with triple 140mm fans in the front providing massive air intake and pre-mounted fans at the top and rear for optimal exhaust. This configuration helps maintain low temperatures for your components.
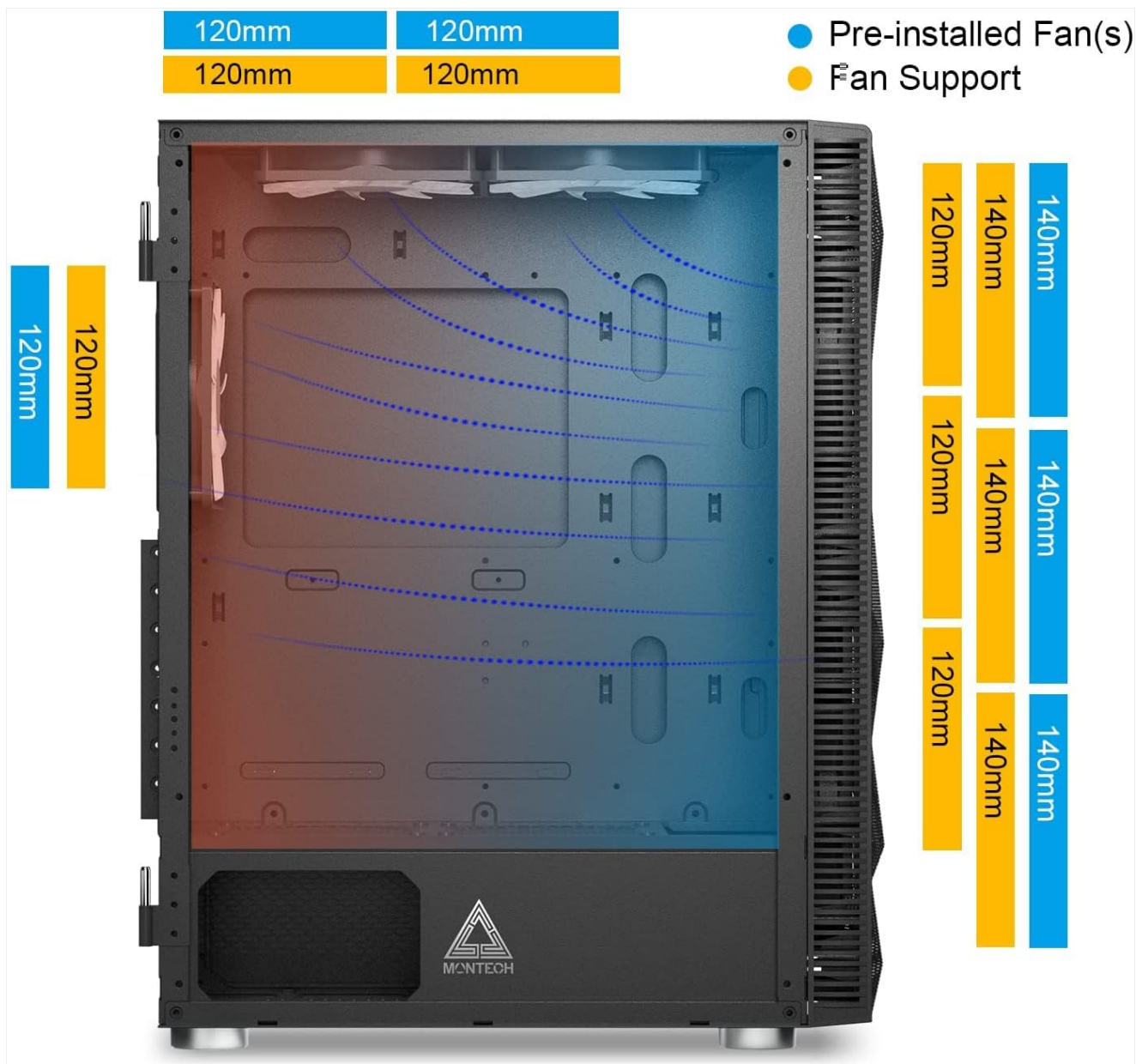
Figure 6: Optimized Airflow Design

4. MAINTENANCE

4.1 Cleaning Dust Filters

The Montech X3 Mesh includes a magnetic dust filter on the top panel and a washable dust filter for the PSU intake at the bottom. Regularly clean these filters to prevent dust buildup and maintain optimal airflow.

1. Gently remove the magnetic dust filter from the top panel.
2. Slide out the PSU dust filter from the bottom of the case.
3. Clean the filters using compressed air or by washing them with water (ensure they are completely dry before re-installation).

4.2 General Cleaning

Use a soft, dry cloth to wipe down the exterior of the case, including the tempered glass panel. For stubborn smudges on the glass, a glass cleaner can be used sparingly on the cloth, not directly on the panel.

5. TROUBLESHOOTING

5.1 Fans Not Spinning / RGB Not Lighting Up

- Ensure all fan Molex connectors are securely connected to your power supply. The pre-installed fans are daisy-chained, so check the connection to the last fan in the chain.
- Verify that the LED button on the top I/O panel is pressed to activate the RGB lighting.
- Check the power supply connections to the fan hub (if applicable) and the motherboard.

5.2 Poor Airflow / High Temperatures

- Clean all dust filters as described in Section 4.1.
- Ensure proper cable management to avoid obstructing airflow paths inside the case.
- Verify that all fans are spinning correctly.
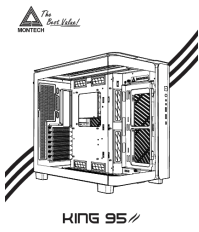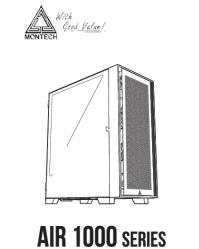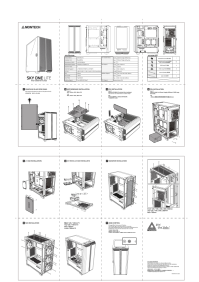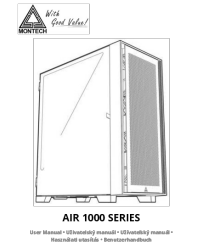
6. TECHNICAL SPECIFICATIONS

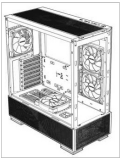| Feature	Specification
Model Name	X3 MESH Black
Case Type	Mid Tower
Motherboard Compatibility	ATX, Micro-ATX, Mini-ITX
Dimensions (LxWxH)	14.57 x 8.27 x 18.9 inches
Item Weight	14.3 pounds
Material	Tempered Glass (Side Panel)
Pre-installed Fans	Front: 3x 140mm Fixed RGB Top: 2x 120mm Fixed RGB Rear: 1x 120mm Fixed RGB
Fan Support	Front: 3x 120mm/140mm Top: 2x 120mm/140mm Rear: 1x 120mm
Radiator Support	Top: Up to 280mm Front: Up to 360mm (with HDD cage removed)
CPU Cooler Clearance	160mm
GPU Clearance	305mm
Drive Bays	2x 2.5" SSD 2x 3.5" HDD (convertible to 2.5" SSD)
I/O Ports	2x USB 2.0, 1x USB 3.0, HD Audio (Mic/Headphone), Power Button, Reset Button, LED Control Button
Power Supply Mounting Type	Rear Mount

7. WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about replacement parts, please refer to the official Montech website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Montech offers various protection plans for extended coverage. Please visit the product page on Amazon or Montech's official website for details on available plans.

Related Documents - X3 MESH

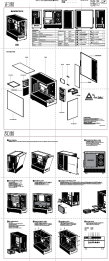|	
	[Montech KING 95 PC Case User Manual and Specifications](#) Detailed specifications, component breakdown, and installation guides for the Montech KING 95 and KING 95 PRO PC cases. Learn about fan and radiator support, drive bay configurations, I/O interfaces, and cable management.
	[Montech AIR 1000 Series PC Case: Specifications and Installation Guide](#) Comprehensive specifications, features, and installation guidance for the Montech AIR 1000 Series PC case, detailing component compatibility, cooling support, and accessory contents.
	[Montech Sky One Lite ATX Case Installation Guide](#) A comprehensive guide to installing components in the Montech Sky One Lite ATX computer case, covering motherboard, GPU, PSU, SSD, HDD, and radiator installations, along with fan and ARGB control.
	[Montech AIR 1000 Series PC Case User Manual](#) User manual for the Montech AIR 1000 Series PC case, covering specifications, installation, compatibility, and ARGB controller features. Includes content in English, Czech, Slovak, Hungarian, and German.

SKY TWO User Manual • Uživatelský manuál • Uživatelský manuál • Használati utasítás • Benutzerhandbuch	**Montech SKY TWO PC Case User Manual** Comprehensive user manual for the Montech SKY TWO PC case, detailing specifications, component installation (motherboard, GPU, PSU, SSD/HDD, radiators, fans), and I/O port functions. Includes multilingual support information.
	Montech XR PC Case: Specifications and Installation Guide Detailed specifications, features, and installation instructions for the Montech XR computer case, including component compatibility and assembly steps.