

Itek Meshcore 36B

Itek Meshcore 36B Gaming Tower PC Case Instruction Manual

Model: Meshcore 36B (ITGCAMC36B)

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Itek Meshcore 36B Gaming Tower PC Case. Please read this manual thoroughly before beginning assembly to ensure proper setup and safe usage. Keep this manual for future reference.

Safety Information

- Always disconnect power from all components before installation or maintenance.
- Handle tempered glass panels with care to prevent breakage.
- Avoid exposing the case to extreme temperatures or humidity.
- Keep small parts away from children.

2. PACKAGE CONTENTS

Verify that all components are present in the package:

- Itek Meshcore 36B PC Case
- 4 x 14cm ARGB Fans (3 pre-installed in front, 1 pre-installed in rear)
- ARGB Fan Hub
- Accessory box (screws, cable ties, standoffs, etc.)
- User Manual (this document)

3. PRODUCT OVERVIEW

The Itek Meshcore 36B is an ATX gaming tower designed for optimal airflow, ease of assembly, and modern aesthetics. It features a perforated mesh front panel, four pre-installed ARGB fans, and a tempered glass side panel.

Key Features

- **Excellent Airflow:** Full mesh front panel and four pre-installed ARGB fans (3 front, 1 rear) for efficient cooling.
- **Tempered Glass Side Panel:** Provides a clear view of internal components and RGB lighting.
- **Modern Connectivity:** Includes 2x USB 3.0 ports and 1x USB-C port on the front/side I/O panel.
- **Organized Interior:** Separate compartment for the power supply unit (PSU) and storage drives (HDD/SSD) for clean cable management.
- **Broad Compatibility:** Supports ATX motherboards, graphics cards up to 420mm, CPU coolers up to 174mm, and liquid cooling radiators up to 360mm.

Component Identification





Figure 3.1: Front view of the Itek Meshcore 36B PC case, showcasing the mesh front panel and three 14cm ARGB fans.



Figure 3.2: Angled front-side view, highlighting the tempered glass panel and front I/O ports (USB 3.0, Type-C).



Figure 3.3: Rear-side view, illustrating the rear exhaust fan and expansion slots.



Figure 3.4: Interior view from the tempered glass side, detailing the motherboard tray and component layout.

4. SETUP AND INSTALLATION

Follow these steps for assembling your PC components within the Itek Meshcore 36B case.

4.1 Preparing the Case

1. Place the case on a stable, flat surface.
2. Carefully remove the tempered glass side panel by unscrewing the thumb screws at the rear and gently pulling the panel away. Set it aside on a soft, non-abrasive surface.
3. Remove the solid metal side panel on the opposite side to access the cable management area.

4.2 Motherboard Installation

1. Install the I/O shield (if not pre-attached to your motherboard) into the rear opening of the case.
2. Align the motherboard with the standoffs in the case. Ensure the standoffs match your ATX motherboard's screw holes.
3. Secure the motherboard using the provided screws. Do not overtighten.

4.3 Power Supply Unit (PSU) Installation

1. Locate the PSU compartment at the bottom rear of the case.
2. Slide the PSU into the compartment from the rear of the case, ensuring the fan faces downwards (if the case has a bottom vent) or upwards.
3. Secure the PSU with screws from the rear of the case.

4.4 Storage Drive Installation (HDD/SSD)

The case features dedicated bays for 3.5" HDDs and 2.5" SSDs, typically located in the PSU shroud area or behind the motherboard tray.

1. For 3.5" HDDs: Slide the drive into the designated drive cage and secure with screws.
2. For 2.5" SSDs: Mount the SSD onto the designated brackets, usually found behind the motherboard tray, and secure with screws.

4.5 Graphics Card and Expansion Card Installation

1. Remove the necessary expansion slot covers from the rear of the case.
2. Insert the graphics card or other expansion card into the appropriate PCIe slot on the motherboard.
3. Secure the card with the provided screw or latch mechanism.

4.6 Cable Management

The Meshcore 36B offers 21mm of cable management space behind the motherboard tray.

1. Route all necessary cables (PSU, data, front panel) through the cutouts in the motherboard tray.
2. Use the included cable ties to bundle and secure cables, ensuring they do not obstruct airflow or interfere with side panel closure.
3. Connect the front panel connectors (USB 3.0, USB-C, audio, power/reset switches, LED indicators) to the corresponding headers on your motherboard.
4. Connect the ARGB fan hub to your motherboard's ARGB header (if available) for software control, or use the integrated controller for basic lighting effects. Ensure all fans are connected to the hub.

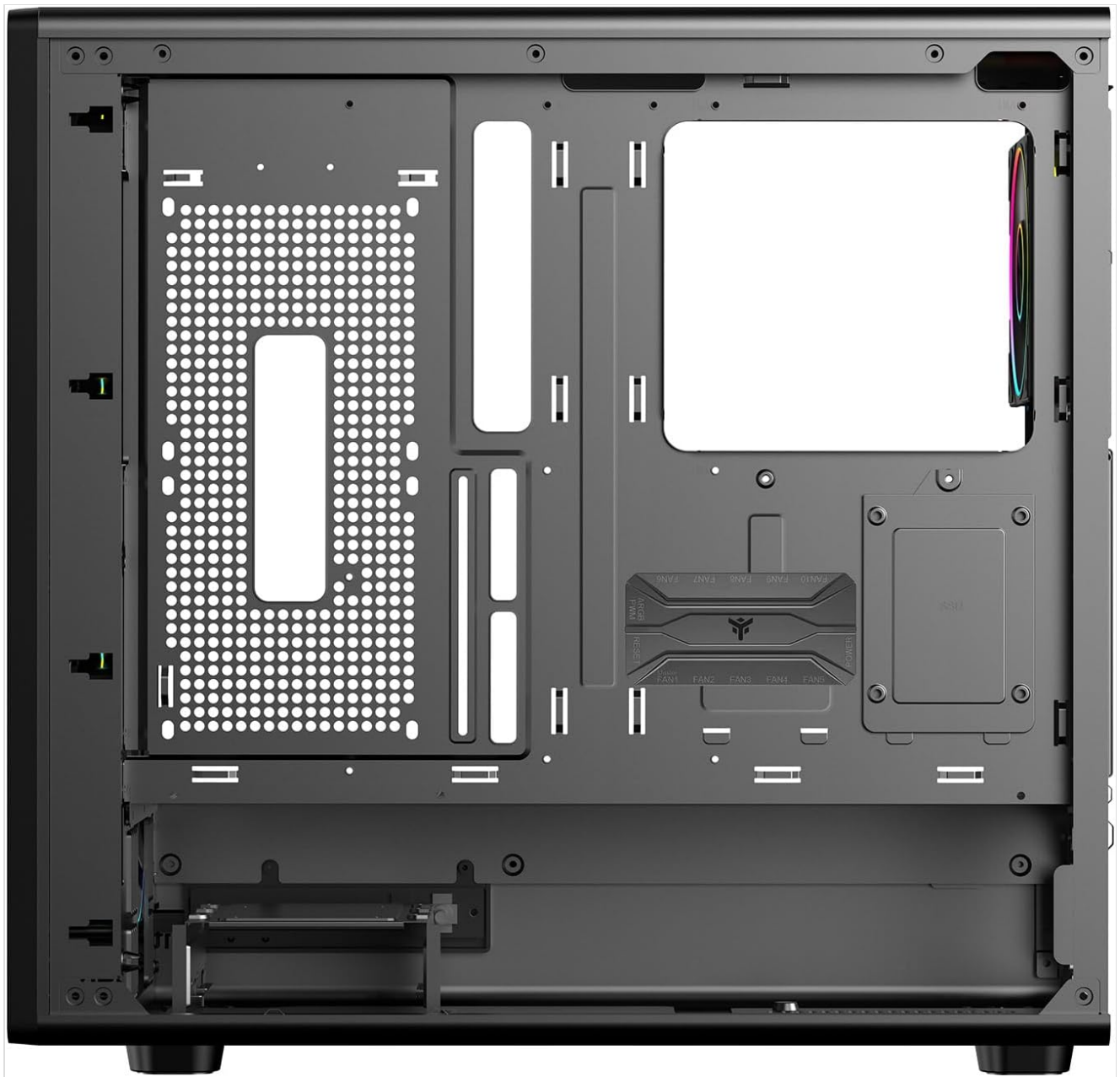


Figure 4.1: Interior view from the backplate side, illustrating cable management options.

5. OPERATING INSTRUCTIONS

5.1 Powering On

1. Once all components are installed and cables are connected, replace both side panels.
2. Connect your monitor, keyboard, mouse, and other peripherals.
3. Connect the power cable to the PSU and a wall outlet.
4. Flip the power switch on the PSU to the 'ON' position.
5. Press the power button on the front panel of the case to start your computer.

5.2 Front Panel Connectivity

The front/side I/O panel provides convenient access to:

- **2 x USB 3.0 Ports:** For high-speed data transfer with compatible devices.
- **1 x USB-C Port:** For modern USB Type-C devices.
- **Audio Jacks:** For headphones and microphones.

- **Power Button:** To turn the system on/off.
- **Reset Button:** To restart the system.
- **LED Indicators:** For power and HDD activity.

5.3 ARGB Lighting Control

The pre-installed ARGB fans are connected to an ARGB hub. Lighting can be controlled in two ways:

- **Motherboard Software Control:** If the ARGB hub is connected to a compatible 3-pin 5V ARGB header on your motherboard, you can use your motherboard's RGB software (e.g., ASUS Aura Sync, MSI Mystic Light, Gigabyte RGB Fusion) to synchronize and customize lighting effects.
- **Integrated Controller:** If not connected to a motherboard ARGB header, the hub typically has a button (often labeled 'LED' or 'RGB') on the case's front I/O panel or directly on the hub itself to cycle through pre-set lighting modes and colors.

6. MAINTENANCE

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

6.1 Dust Filter Cleaning

The Meshcore 36B includes dust filters to prevent dust buildup inside the case. These filters should be cleaned periodically.

1. Locate and remove the dust filters (typically on the top, front, and/or bottom of the case).
2. Clean the filters using compressed air, a soft brush, or by rinsing with water (ensure they are completely dry before reinstallation).
3. Reinstall the dust filters.

6.2 General Cleaning

- Use a soft, damp cloth to wipe down exterior surfaces. Avoid abrasive cleaners.
- For the tempered glass panel, use a glass cleaner and a microfiber cloth to avoid streaks.
- Periodically use compressed air to clear dust from internal components and fan blades.

7. TROUBLESHOOTING

If you encounter issues with your PC case, refer to the following common problems and solutions.

7.1 Fans Not Spinning / ARGB Not Lighting Up

- **Check Power Connections:** Ensure all fans are properly connected to the ARGB hub, and the hub itself is receiving power from the PSU (usually via a SATA power connector).
- **Check ARGB Signal:** If using motherboard software control, verify the ARGB hub is connected to a 3-pin 5V ARGB header on the motherboard and that the software is correctly configured.
- **Try Integrated Controller:** If motherboard control fails, try using the physical button on the case or hub to cycle through lighting modes.

7.2 Front Panel USB/Audio Ports Not Working

- **Verify Motherboard Connections:** Ensure the USB 3.0, USB-C, and audio headers from the front panel are securely connected to the correct pins on your motherboard. Refer to your motherboard manual for header locations.
- **Check Drivers:** Ensure you have installed the latest chipset and audio drivers for your motherboard.

7.3 System Overheating

- **Clean Dust Filters:** Ensure dust filters are clean and not obstructing airflow.
- **Check Fan Orientation:** Verify that fans are installed with correct airflow direction (front fans typically intake, rear/top fans exhaust).
- **Improve Cable Management:** Poor cable management can restrict airflow. Re-route cables for better air circulation.

8. SPECIFICATIONS

Feature	Specification
Brand	Itek
Model Name	Itek Case MESHCORE 36B
Model Number	ITGCAMC36B
Case Type	Tower
Motherboard Compatibility	ATX
Material	Metal, Plastic, Tempered Glass
Color	Black
Cooling Method	Air
Pre-installed Fans	4 x 14cm ARGB Fans (3 Front, 1 Rear)
Front I/O Ports	2 x USB 3.0, 1 x USB-C
Max GPU Length	420mm
Max CPU Cooler Height	174mm
Liquid Cooling Support	Up to 360mm
Cable Management Space	21mm
Additional Features	Dust Filter, Perforated Front, ARGB Lighting, Integrated Fan

9. WARRANTY AND SUPPORT

9.1 Product Warranty

The Itek Meshcore 36B PC Case comes with a**24-month warranty** from the date of purchase. This warranty covers manufacturing defects and faulty components under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

9.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Itek customer support through their official website or the retailer where the product was purchased. Please have your product model number (ITGCAMC36B) and proof of purchase ready when contacting support.

