

## Xigmatek Lux M

# Xigmatek Lux M Micro-ATX Mini Tower PC Case

Model: EN48540

## 1. INTRODUCTION

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Thank you for choosing the Xigmatek Lux M Micro-ATX Mini Tower PC Case. This manual provides detailed instructions for the installation, operation, and maintenance of your new PC chassis. Please read this manual carefully before beginning the assembly process to ensure proper installation and to maximize the performance and longevity of your system.

The Lux M case is designed to offer a robust and aesthetically pleasing housing for your computer components, featuring a tempered glass side panel, a metallic front panel with a unique cut-out pattern, and pre-installed fixed RGB fans for optimal cooling and visual appeal. It supports Micro-ATX and Mini-ITX motherboards and is compatible with various cooling solutions, including water cooling.

## 2. SAFETY INFORMATION

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Please observe the following safety precautions during installation and operation:

- Always disconnect the power supply from the wall outlet before installing or removing any components to prevent electric shock.
- Handle all components with care. Avoid touching circuit boards directly; hold them by their edges.
- Wear an anti-static wrist strap when handling sensitive electronic components to prevent electrostatic discharge (ESD) damage.
- Keep the case and components away from liquids, excessive heat, and direct sunlight.
- Ensure proper ventilation around the PC case to prevent overheating.
- Keep small parts and screws out of reach of children.

## 3. PACKAGE CONTENTS

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Verify that all items are present in your package. If any items are missing or damaged, please contact your retailer.

- Xigmatek Lux M Micro-ATX Mini Tower PC Case
- Accessory box (containing screws, standoffs, cable ties, etc.)
- User Manual (this document)

## 4. PRODUCT OVERVIEW

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Familiarize yourself with the various parts of your Xigmatek Lux M PC case.



**Figure 4.1: Front View.** This image displays the front of the Xigmatek Lux M case, highlighting the metallic mesh panel with a triangular design and the three pre-installed 120mm fixed RGB fans.



**Figure 4.2: Angled Top-Front View.** This perspective shows the tempered glass side panel, offering a clear view of the interior, and the top panel with its I/O ports (USB, audio) and power button.



**Figure 4.3: Interior Layout.** The internal structure of the case, featuring the motherboard mounting tray, cutouts for cable management, and the power supply shroud at the bottom.



**Figure 4.4: Rear View.** This image illustrates the rear of the case, including the expansion slots for graphics cards and other add-in cards, the rear fan mounting area, and the power supply mounting bracket.

## 5. SETUP AND INSTALLATION

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Follow these steps to install your computer components into the Xigmatek Lux M case.

### 5.1. Preparing the Case

1. Place the case on a flat, stable surface.
2. Remove the tempered glass side panel by unscrewing the thumb screws and carefully lifting it off. Set it aside on a soft, non-abrasive surface.
3. Remove the opposite steel side panel by unscrewing the thumb screws and sliding it backward.

### 5.2. Motherboard Installation

The Lux M supports Micro-ATX and Mini-ITX motherboards.

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

### 5.3. Power Supply Unit (PSU) Installation

The PSU mounts at the rear bottom of the case.

1. Slide the PSU into its designated compartment from the rear of the case.
2. Align the PSU's screw holes with the holes on the case's rear panel.
3. Secure the PSU with the provided screws.

#### 5.4. Storage Drive Installation (2.5"/3.5" Drives)

The case supports 2x 2.5"/3.5" storage drives.

1. Locate the drive cage beneath the PSU shroud or dedicated 2.5" mounting points behind the motherboard tray.
2. For 3.5" HDDs, slide the drive into a drive tray (if applicable) and secure it with screws.
3. For 2.5" SSDs, secure them directly to the mounting points using the provided screws.

#### 5.5. Graphics Card (VGA) and Expansion Card Installation

The case supports graphics cards up to 320mm in length.

1. Remove the necessary expansion slot covers from the rear of the case.
2. Insert your graphics card or other expansion card into the appropriate PCIe slot on your motherboard.
3. Secure the card to the case using the expansion slot screws.

#### 5.6. Cooling System Installation (Optional)

The Lux M comes with 4x 120mm X24F fixed RGB fans. It supports additional cooling options.

- **CPU Cooler:** Max height of 160mm. Install your CPU cooler according to its manufacturer's instructions.
- **Radiator Support:** The case supports radiators of 360mm, 240mm, or 120mm. Refer to your radiator's manual for installation. Common mounting locations include the front and top panels.

#### 5.7. Cable Management

Utilize the cable routing cutouts and tie-down points behind the motherboard tray to organize cables. This improves airflow and aesthetics.

#### 5.8. Final Assembly

1. Once all components are installed and cables are managed, reattach the steel side panel and secure it with thumb screws.
2. Carefully reattach the tempered glass side panel and secure it with thumb screws.

### 6. OPERATING INSTRUCTIONS

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After completing the installation, connect your peripherals (monitor, keyboard, mouse) and power cable to the PC. Press the power button located on the top panel of the case to start your system.

The pre-installed X24F RGB fans feature fixed RGB lighting, which will illuminate automatically upon system power-on. No additional software or controller is required for their basic operation.

Ensure that the case's ventilation is not obstructed to maintain optimal airflow and cooling performance.

### 7. MAINTENANCE

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

- **Dust Cleaning:** Periodically clean dust filters (if present) and the interior of the case using compressed air or a soft brush. Dust accumulation can hinder airflow and lead to overheating.

- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid harsh chemicals that may damage the finish or tempered glass.
- **Tempered Glass:** Clean the tempered glass panel with a glass cleaner and a microfiber cloth to avoid scratches and streaks.

## 8. TROUBLESHOOTING

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If you encounter issues during or after installation, consider the following common troubleshooting steps:

- **No Power:**
  - Ensure the power cable is securely connected to both the PSU and the wall outlet.
  - Check that the PSU switch is in the 'ON' position.
  - Verify that the front panel power switch cable is correctly connected to the motherboard's front panel header.
- **Fans Not Spinning / RGB Not Lighting:**
  - Ensure all fan power cables are securely connected to the motherboard or a fan controller.
  - For RGB, confirm that any necessary RGB headers are connected to the motherboard (though the included fans are fixed RGB and should light up with power).
- **No Display Output:**
  - Verify that your monitor cable is connected to the graphics card (if installed) and not the motherboard's integrated graphics port.
  - Reseat the graphics card in its PCIe slot.
- **Overheating:**
  - Ensure all case fans are spinning and oriented correctly for optimal airflow (intake/exhaust).
  - Clean any dust filters and internal components.
  - Verify that the CPU cooler is properly seated and making good contact with the CPU.

For more complex issues, consult your component manuals or seek assistance from Xigmatek support or a qualified technician.

## 9. SPECIFICATIONS

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Feature	Specification
Brand	Xigmatek
Model Name	Lux M
Model Number	EN48540
Case Type	Mini Tower
Motherboard Compatibility	Micro-ATX, Mini-ITX
Material	Tempered Glass (side panel), Metal (front panel)
Color	Black
Pre-installed Fans	4 x 120mm X24F Fixed RGB Fans

Feature	Specification
Radiator Support	360mm, 240mm, 120mm
Max CPU Cooler Height	160mm
Max VGA Length	320mm
Max PSU Length	165mm
Storage Bays	2x 2.5"/3.5"
Special Features	RGB Lighting, Triangular Mesh Front Design

## 10. WARRANTY AND SUPPORT

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Xigmatek products are manufactured to the highest quality standards. For warranty information and technical support, please refer to the warranty card included with your product or visit the official Xigmatek website. Please retain your proof of purchase for warranty claims.

For further assistance, you may contact Xigmatek customer support through their official channels.