

## Xigmatek Vanguard Plus

# Xigmatek Vanguard Plus PC Case User Manual

## 1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Xigmatek Vanguard Plus PC Case. This full tower case is designed to accommodate ATX, Micro ATX, and Mini ITX motherboards and comes with a pre-installed 600W 80PLUS Active PFC power supply. It features convenient front panel connectivity including USB 3.0 and USB 2.0 ports, along with audio jacks, and includes LED fans for enhanced cooling and aesthetics.

## 2. SETUP AND INSTALLATION

Before beginning installation, ensure your workspace is clean and static-free. Refer to your motherboard and component manuals for specific installation details.

### 2.1. Opening the Case

Carefully remove the side panels of the case. Typically, this involves unscrewing thumbscrews at the rear and sliding the panels backward.

### 2.2. Motherboard Installation

Install the I/O shield provided with your motherboard into the rear opening of the case. Align your ATX, Micro ATX, or Mini ITX motherboard with the standoffs inside the case. Secure the motherboard using the appropriate screws. Ensure all standoffs are correctly aligned to prevent damage.



*Image: Internal view of the Xigmatek Vanguard Plus PC case, illustrating the motherboard mounting area and drive bays.*

### **2.3. Power Supply Unit (PSU)**

The 600W 80PLUS Active PFC power supply is pre-installed in the lower section of the case. Connect the necessary power cables to your motherboard, CPU, graphics card, and storage devices. Route cables through the designated cutouts for optimal airflow and a tidy build.

### **2.4. Storage Drive Installation**

Install your 2.5-inch SSDs or 3.5-inch HDDs into the available drive bays. Secure them with screws or tool-less mechanisms if provided. Connect SATA data and power cables.

### **2.5. Expansion Cards**

Remove the necessary expansion slot covers at the rear of the case. Insert your graphics card or other expansion cards into the PCIe slots on your motherboard and secure them with screws.



*Image: Rear view of the Xigmatek Vanguard Plus PC case, highlighting the expansion slots and rear fan mounting area.*

### **2.6. Front Panel Connections**

Connect the front panel cables (USB 3.0, USB 2.0, HD Audio, Power Switch, Reset Switch, Power LED, HDD LED) to the corresponding headers on your motherboard. Refer to your motherboard manual for header

locations.



*Image: Front view of the Xigmatek Vanguard Plus PC case, showcasing the front panel design and an illuminated LED fan.*

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### 3. OPERATING INSTRUCTIONS

Once all components are installed and cables are connected, replace the side panels. Connect your monitor, keyboard, mouse, and power cable to the rear of the PC. Press the power button on the front panel to start your system.

#### 3.1. Front Panel Ports

- **USB 3.0 Ports (x2):** For high-speed data transfer with compatible devices.
- **USB 2.0 Port (x1):** For standard USB devices.
- **Microphone Input (x1):** Connect your microphone.
- **Speaker Output (x1):** Connect your headphones or speakers.

#### 3.2. LED Fans

The case includes LED fans that provide cooling and visual effects. These fans typically draw power directly from the power supply or motherboard fan headers and operate automatically based on system temperature or a fixed speed.

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### 4. MAINTENANCE

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

- **Dust Filters:** Periodically check and clean any removable dust filters (e.g., on the front, top, or bottom of the case) to maintain good airflow. Use compressed air or a soft brush.
  - **Interior Cleaning:** Every few months, open the case and use compressed air to remove dust buildup from fans, heatsinks, and other components. Hold fan blades gently to prevent over-spinning during cleaning.
  - **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid harsh chemicals.
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## 5. TROUBLESHOOTING

This section addresses common issues you might encounter.

- **No Power:**

- Ensure the power cable is securely connected to both the PSU and the wall outlet.
- Check that the power switch on the back of the PSU is in the 'ON' position.
- Verify all internal power cables (24-pin ATX, 8-pin CPU, GPU power) are correctly seated.
- Confirm the front panel power switch cable is correctly connected to the motherboard header.

- **Fans Not Spinning / No LED Lights:**

- Check fan power connections to the motherboard or PSU.
- Ensure LED cables (if separate) are connected.

- **Front Panel USB/Audio Not Working:**

- Verify that the USB 3.0, USB 2.0, and HD Audio cables from the front panel are correctly connected to the corresponding headers on your motherboard.
- Check your motherboard's BIOS/UEFI settings to ensure front panel audio/USB is enabled.

- **Component Fit Issues:**

- Ensure all components, especially large graphics cards or CPU coolers, are compatible with the case dimensions.
- Some larger gaming motherboards or specific cooler designs may require careful planning for exhaust fan placement.

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## 6. SPECIFICATIONS

Feature	Detail
Brand	Xigmatek
Model Number	Vanguard Plus
Case Type	Full Tower
Motherboard Compatibility	ATX, Micro ATX, Mini ITX
Included Power Supply	600W 80PLUS Active PFC
Front Panel Ports	2x USB 3.0, 1x USB 2.0, 1x Microphone, 1x Speaker
Cooling Method	Air (includes LED fans)
Product Weight	6.82 Kilograms
Country of Origin	China

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## 7. WARRANTY INFORMATION

The Xigmatek Vanguard Plus PC Case comes with a **2-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, accident, modification, or unauthorized repair.

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## **8. SUPPORT**

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Xigmatek customer support through their official website or the retailer where the product was purchased. Have your product model number (Vanguard Plus) and proof of purchase ready when contacting support.