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Phanteks PH-XT523P1_BK01

Phanteks XT Pro Mid-Tower Gaming Chassis User Manual

Model: PH-XT523P1_BK01

1. INTRODUCTION

Thank you for choosing the Phanteks XT Pro Mid-Tower Gaming Chassis. This manual provides detailed instructions for the assembly, installation, and maintenance of your new PC case. The XT Pro is designed for high airflow performance, featuring a mesh front panel and tempered glass side panel, offering excellent cooling capabilities and a clear view of your internal components. It supports a wide range of hardware, including large graphics cards and extensive cooling solutions.



Figure 1.1: Phanteks XT Pro Mid-Tower Gaming Chassis, showcasing its sleek black design and tempered glass side panel.

2. SAFETY INFORMATION

- Always disconnect the power supply from the wall outlet before performing any installation, cleaning, or maintenance.
- Handle tempered glass panels with care. They are fragile and can shatter if dropped or subjected to impact.
- Avoid exposing the chassis to extreme temperatures, humidity, or direct sunlight.
- Keep small components and screws out of reach of children.
- Ensure proper grounding to prevent electrostatic discharge (ESD) damage to sensitive electronic components.

- Do not attempt to modify the chassis structure or components, as this may void your warranty and pose safety risks.

3. PACKAGE CONTENTS

Please verify that all items listed below are present in your package. If any items are missing or damaged, please contact Phanteks customer support.

- Phanteks XT Pro Mid-Tower Chassis
- Accessory Box (screws, zip ties, standoffs, etc.)
- User Manual (this document)
- (Optional, depending on model) 1x 120mm Fan

4. SETUP AND INSTALLATION

4.1 Preparing the Chassis

Before installing components, remove the side panels. The tempered glass side panel is typically secured with thumbscrews at the rear. The solid steel side panel may also use thumbscrews or a latch mechanism.



Figure 4.1: View of the Phanteks XT Pro chassis with the tempered glass side panel installed.



Figure 4.2: Rear interior view of the chassis, showing cable management routes and drive mounting locations.

4.2 Motherboard Installation

Install the necessary motherboard standoffs into the chassis tray according to your motherboard's form factor (ATX, Micro-ATX, Mini-ITX). Carefully place the motherboard onto the standoffs, aligning the screw holes, and secure it with the provided motherboard screws.



Figure 4.3: Interior view of the Phanteks XT Pro with a motherboard, CPU cooler, and graphics card installed.

4.3 Power Supply Unit (PSU) Installation

The PSU mounts at the bottom rear of the chassis. Slide your PSU into the designated bay from the rear and secure it with screws. Ensure the PSU fan faces downwards (if the case has a bottom vent) or upwards, depending on your cooling preference.

4.4 Storage Drive Installation

The XT Pro supports multiple storage drives.

- **3.5" HDDs:** Install into the drive cage located under the PSU shroud.
- **2.5" SSDs:** Mount to the dedicated SSD brackets behind the motherboard tray.



Figure 4.4: Diagram illustrating the locations for 3.5" HDDs and 2.5" SSDs within the chassis.

4.5 Graphics Card (GPU) Installation

Remove the necessary PCIe slot covers at the rear of the chassis. Insert your graphics card into the PCIe slot on the motherboard and secure it with the thumbscrew or latch mechanism. The XT Pro supports large graphics cards without compromise.

4.6 Fan and Radiator Installation

The XT Pro offers extensive cooling support:

- **Front:** Up to 3x 120mm or 2x 140mm fans.
- **Top:** Up to 3x 120mm or 2x 140mm fans, supporting up to a 360mm radiator.
- **Rear:** 1x 120mm fan.

- **Bottom:** Up to 2x 120mm fans.

Install fans and radiators using the appropriate screws. Ensure correct airflow direction for optimal cooling.



Figure 4.5: Diagram showing fan and radiator mounting locations and supported sizes (120mm, 140mm, and radiator sizes).

4.7 Cable Management

Utilize the cable routing cutouts and tie-down points behind the motherboard tray to manage cables neatly. This improves airflow and aesthetics. Secure cables with zip ties or Velcro straps.

5. OPERATING THE CHASSIS

5.1 Front I/O Panel

The front I/O panel is located on the top of the chassis and provides convenient access to essential ports and controls.

- **Power Button:** Turns the system on/off.
- **Reset Button:** Restarts the system.
- **USB 3.0 Ports:** For high-speed data transfer.
- **USB-C 3.0 Port:** For modern USB-C devices.
- **Audio Jacks:** Headphone and microphone ports.

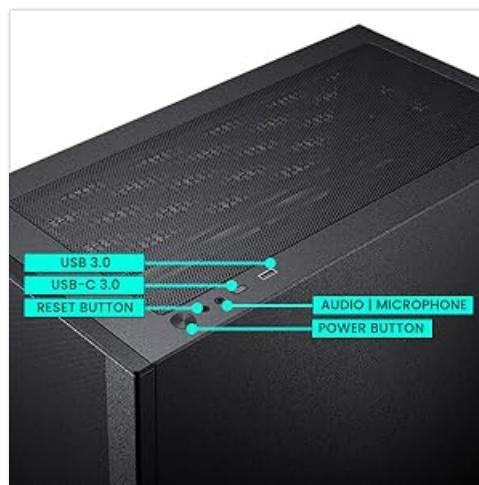


Figure 5.1: Close-up view of the top I/O panel, indicating the Power Button, Reset Button, USB 3.0, USB-C 3.0, and Audio/Microphone jacks.

6. MAINTENANCE

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

- **Dust Filters:** The XT Pro features an ultra-fine performance mesh front panel and a top dust filter. Regularly clean these filters to maintain optimal airflow. They can typically be removed and cleaned with compressed air or a soft brush.
- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Interior Cleaning:** Periodically use compressed air to remove dust buildup from internal components like fans, heatsinks, and circuit boards. Ensure the system is powered off and unplugged before cleaning.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

- **System not powering on:**
 - Check all power connections: PSU to wall, PSU to motherboard, and front panel power switch cable to motherboard.
 - Ensure the PSU switch is in the "ON" position.
- **No display output:**
 - Verify that the monitor cable is securely connected to the graphics card (or motherboard, if using integrated graphics).
 - Reseat the graphics card and RAM modules.
- **Excessive noise:**
 - Check if any fan cables are obstructing fan blades.
 - Ensure all fans are securely mounted.
 - Clean dust from fans and filters.
- **Poor airflow/high temperatures:**
 - Clean all dust filters and internal components.
 - Verify correct fan orientation (intake/exhaust).
 - Ensure no cables are blocking airflow paths.

For further assistance, please refer to the Phanteks support website or contact their customer service.

8. SPECIFICATIONS

Attribute	Detail
Model Name	XT PRO
Item Model Number	PH-XT523P1_BK01
Case Type	Mid Tower
Dimensions (LxWxH)	17.7 x 9.05 x 19.68 inches
Item Weight	17 pounds
Material	Steel Chassis, Tempered Glass Window, ABS plastic

Color	Black
Motherboard Compatibility	ATX, Micro-ATX, Mini-ITX
Fan Positions	Up to 10x 120mm or 6x 140mm and 3x 120mm
Radiator Support	Dedicated 360mm in top, others as per fan positions
USB 3.0 Ports	1
USB-C 3.0 Ports	1
Cooling Method	Air
Power Supply Mounting Type	Bottom Mount



Figure 8.1: Dimensional overview of the Phanteks XT Pro chassis.

9. WARRANTY AND SUPPORT

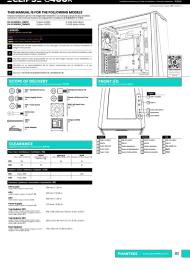
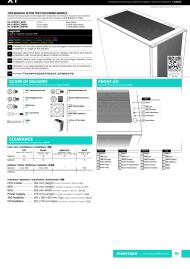
Phanteks products come with a limited warranty. Please refer to the official Phanteks website for the most up-to-date warranty information and terms specific to your region.

For technical support, product registration, or to download the latest drivers and manuals, please visit the official Phanteks support page: www.phanteks.com/support.html

When contacting support, please have your product model number (PH-XT523P1_BK01) and purchase information ready.

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Related Documents - PH-XT523P1_BK01

	<p>Phanteks Evolv X Mid-Tower PC Case User Manual and Installation Guide</p> <p>Comprehensive user manual and installation guide for the Phanteks Evolv X mid-tower PC case, detailing specifications, component installation, water cooling, D-RGB lighting, and support.</p>
	<p>Phanteks Eclipse P400/P400S PC Case User Manual</p> <p>Comprehensive user manual for the Phanteks Eclipse P400 and P400S computer cases, covering specifications, installation guides, accessories, troubleshooting, and support information.</p>
	<p>Phanteks Eclipse G400A PC Case Installation Guide</p> <p>Comprehensive installation guide for the Phanteks Eclipse G400A PC case, detailing component installation, panel removal, storage solutions, fan configurations, and essential safety precautions.</p>
	<p>Phanteks XT Pro & XT Pro Ultra PC Case Installation Guide</p> <p>Comprehensive installation guide for Phanteks XT Pro and XT Pro Ultra PC cases, covering setup, hardware installation, specifications, and safety information. Includes model numbers PH-XT523P1_BK01, PH-XT523P1_DBK01, PH-XT523P1_DWT01.</p>
	<p>Phanteks Enthoo Evolv ATX Tempered Glass Edition User Manual</p> <p>A comprehensive user manual for the Phanteks Enthoo Evolv ATX Tempered Glass Edition PC case, detailing specifications, installation procedures for components like motherboards, power supplies, drives, and cooling systems, as well as upgrade options and support information.</p>
	<p>Phanteks Enthoo Pro User Manual</p> <p>Comprehensive user manual for the Phanteks Enthoo Pro full tower computer case, detailing specifications, installation guides, and support.</p>

