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Phanteks PH-ES813P_BL

Phanteks Enthoo Series Primo Ultimate Full Tower Computer Case User Manual

Model: PH-ES813P_BL

INTRODUCTION

The Phanteks Enthoo Primo is a full tower computer case designed for enthusiasts seeking exceptional cooling possibilities and functional design. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your Enthoo Primo case, ensuring optimal performance and longevity.



Figure 1: Phanteks Enthoo Primo Ultimate Full Tower Computer Case (Black/Blue)

SETUP AND INSTALLATION

Proper installation is crucial for the performance and stability of your system. Follow these steps carefully.

1. Power Supply Unit (PSU) Installation

The Enthoo Primo features a unique thermally isolated PSU location at the rear of the case, promoting cooler temperatures and improved cable management.

1. Locate the PSU compartment at the bottom rear of the case.
2. Slide your PSU into the designated area.
3. Secure the PSU with the provided screws from the rear of the case.

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Video 1: Animated demonstration of internal case features, including PSU placement, HDD trays, and cable management. This video highlights the thermally isolated PSU location and hidden cable routing.



Figure 2: Rear view of the Enthoo Primo case, showing the PSU mounting area at the bottom.

2. Drive Installation (HDD/SSD)

The case supports up to 6 HDDs with dual repositionable and removable HDD cages, and features Drop-n-Lock double stack SSD brackets.

1. Access the hidden HDD trays by removing the side panel.
2. Slide your 3.5" HDDs into the trays and secure them.
3. For 2.5" SSDs, utilize the removable Drop-n-Lock brackets. These can be installed in three different locations within the case.
4. Ensure all drives are securely fastened to prevent vibration.



Figure 3: Interior view of the Enthoo Primo, highlighting the hidden HDD trays and SSD mounting points.

3. Motherboard and Component Installation

The Enthoo Primo supports ATX motherboards and offers ample space for various components.

1. Install your ATX motherboard onto the standoffs.
2. Install your CPU, RAM, and graphics cards as per their respective manuals.
3. Utilize the pre-installed cable management tools behind the motherboard tray to route cables neatly.



Figure 4: Interior view of the Enthoo Primo, showcasing the cable management features behind the motherboard tray.

OPERATING FEATURES

The Enthoo Primo is designed with user convenience and optimal performance in mind.

Front Panel I/O

The front I/O panel provides easy access to essential ports and controls:

- **2x USB 3.0 Ports:** For high-speed data transfer.
- **2x USB 2.0 Ports:** For standard peripheral connections.
- **Microphone Jack:** For audio input.
- **3.5mm Audio Jack:** For audio output.

- **LED Switch:** Controls the integrated LED lighting (LED strip & Fan LED).



Figure 5: Top angled view of the Enthoo Primo, illustrating the accessible front I/O panel.

Cooling System

The Enthoo Primo offers extensive cooling support for both air and liquid cooling configurations.

- **Pre-installed Fans:** Includes 1x 140mm fan on top, 2x 140mm LED fans in front, 1x 140mm fan in the rear, and 1x 140mm fan on the bottom. All are Phanteks' PH-F140SP fans.
- **Air Cooling:** Supports up to 14x 120mm fans or 11x 140mm fans for comprehensive airflow.
- **Water Cooling:** Provides up to 5 different installation areas for slim and thick radiators (120mm and 140mm form factors), including clearance for push-pull fan configurations. Innovative liquid cooling mounting systems include radiator brackets and a versatile reservoir/pump bracket.



Figure 6: Front view of the Enthoo Primo, showcasing the clean design and intake areas.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your computer case.

- **Dust Filters:** The Enthoo Primo features removable dust filters located at the front, top, bottom (2x), and side panel (2x). Regularly remove and clean these filters to maintain optimal airflow and prevent dust buildup inside the case.
- **Exterior Cleaning:** Use a soft, damp cloth to wipe down the aluminum front and top panels. Avoid abrasive cleaners.
- **Interior Cleaning:** Periodically use compressed air to clear dust from internal components and fan blades. Ensure the system is powered off and unplugged before cleaning.

TROUBLESHOOTING

This section addresses common issues you might encounter.

- **No Power:**
 - Ensure the PSU is properly seated and connected to the motherboard and wall outlet.
 - Verify that the front panel power switch cable is correctly connected to the motherboard's header.
- **Fans Not Spinning / LED Not Lighting:**
 - Check fan connections to the motherboard or fan hub.
 - Ensure the fan hub is powered (SATA connection).
 - Verify the LED switch on the front panel is in the 'on' position.
- **USB Ports Not Functioning:**
 - Confirm that the USB 3.0 and USB 2.0 headers from the front panel are securely connected to the motherboard.
- **Excessive Noise:**
 - Check if all fans are securely mounted and free from obstructions.
 - Ensure drive trays are properly secured to minimize vibration.
 - Clean dust filters and fan blades if necessary.

SPECIFICATIONS

Feature	Detail
Model Name	PH-ES813P_BL
Case Type	Full Tower
Motherboard Compatibility	ATX
Material	Aluminum Faceplates, Steel Chassis
Color	Black/Blue
Dimensions (LxWxH)	23.62 x 9.84 x 25.59 inches
Item Weight	50 pounds
USB 3.0 Ports	2
USB 2.0 Ports	2
Audio Ports	1x Microphone, 1x 3.5mm Audio Jack
Expansion Slots	8
Cooling Method	Air / Water
Pre-installed Fans	5x 140mm (1 top, 2 front LED, 1 rear, 1 bottom)






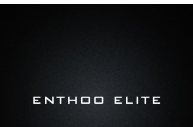
Max Fan Support	14x 120mm or 11x 140mm
Radiator Support	Up to 5 locations (120mm/140mm form factors)

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Phanteks website or the full user manual. You can download the complete user manual in PDF format here: [Phanteks Enthoo Primo User Manual \(PDF\)](#)

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Related Documents - PH-ES813P_BL

	Phanteks Enthoo Primo Case User Manual - Installation Guide Comprehensive user manual and installation guide for the Phanteks Enthoo Primo full tower computer case, covering specifications, component installation, watercooling setup, and support.
	Phanteks Enthoo Pro User Manual Comprehensive user manual for the Phanteks Enthoo Pro full tower computer case, detailing specifications, installation guides, and support.
	Phanteks Enthoo Evolv ATX Tempered Glass Edition User Manual 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.
	Phanteks Enthoo Pro Tempered Glass Edition User's Manual This user's manual provides comprehensive instructions for the Phanteks Enthoo Pro Tempered Glass Edition PC case, covering installation, specifications, cooling, RGB features, and support.
	Phanteks NV7 Full Tower Chassis User Manual Comprehensive user manual for the Phanteks NV7 full-tower PC chassis, detailing installation, features, and specifications for building a high-performance computer setup.
	Phanteks Enthoo Elite User Manual Comprehensive user manual for the Phanteks Enthoo Elite full-tower PC case, detailing specifications, included accessories, and setup guides for optimal build configurations.