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Phanteks PH-VGPUKT_02

Phanteks PH-VGPUKT_02 Universal Vertical GPU Bracket with 220mm Flat Line PCI-E X16 Riser Cable Kit Instruction Manual

Brand: Phanteks | Model: PH-VGPUKT_02

INTRODUCTION

This manual provides detailed instructions for the installation and proper use of the Phanteks PH-VGPUKT_02 Universal Vertical GPU Bracket with its included 220mm Flat Line PCI-E x16 Riser Cable. This kit is designed to allow vertical mounting of your graphics card, enhancing the aesthetic appeal of your PC build while maintaining optimal performance.

The bracket is constructed from powder-coated steel, ensuring durability and stability for your graphics card. The included riser cable supports PCI-E 3.0/2.0/1.0, making it compatible with a wide range of systems. Please read all instructions carefully before proceeding with installation.

PACKAGE CONTENTS

Verify that all components are present in your package:

- Universal Vertical GPU Bracket
- 220mm Flat Line PCI-E x16 Riser Cable
- Mounting Screws and Hardware
- Adhesive Pads (for additional support/protection)



Image: All components included in the Phanteks PH-VGPUKT_02 kit.



Image: Product packaging for the Phanteks PH-VGPUKT_02.

SETUP AND INSTALLATION

The Phanteks PH-VGPUKT_02 is designed for chassis with an “open” PCI slot design, requiring 7+ available PCI slots. Some chassis may require modification for proper fitment.

Step-by-Step Installation:

1. **Prepare the Bracket:** Attach the necessary mounting slides to the vertical GPU bracket using the provided screws. Do not overtighten, allowing for slight adjustments.

Video: This video demonstrates the initial assembly of a graphics card bracket, showing how to attach the mounting slides and secure them with screws. It highlights the importance of not overtightening to allow for future adjustments.

2. **Install the Riser Cable:** Secure the 220mm Flat Line PCI-E x16 Riser Cable to the bracket using the appropriate screws. Ensure the cable is firmly attached.



Image: Close-up of the 220mm Flat Line PCI-E x16 Riser Cable.

3. **Mount the Bracket in Chassis:** Carefully position the assembled bracket and riser cable into your PC chassis. The bracket should align with the 7+ open PCI slots. Secure the bracket to the chassis using the provided screws.



Image: Side view of the vertical GPU bracket.

4. **Install the Graphics Card:** Insert your dual-slot graphics card into the PCI-E slot on the riser cable. Secure the graphics card to the bracket using its mounting screws.



Image: Graphics card mounted vertically on the bracket (side view).

5. **Connect to Motherboard:** Connect the other end of the 220mm riser cable to the appropriate PCI-E x16 slot on your motherboard. Ensure a secure connection.



Image: PCI-E connector of the riser cable.

6. **Final Adjustments:** Make any necessary horizontal or side panel adjustments to achieve the desired fit and aesthetic. If desired, apply the adhesive pads to the bottom of the bracket for added stability and to prevent scratching.



Image: Included adhesive pads.

OPERATING CONSIDERATIONS

Once installed, the vertical GPU bracket and riser cable operate seamlessly with your system. Ensure all connections are firm to prevent signal loss or instability.

PCI-E Version Compatibility:

The included riser cable supports PCI-E 3.0/2.0/1.0. If you are using a PCI-E 4.0 graphics card, it is crucial to change the PCI-E slot setting in your BIOS to Gen3/PCI-E 3.0 **before** installing the GPU. Failure to do so may result in compatibility issues or system instability.

Video: This video demonstrates a PCI-E 5.0 bandwidth test using a 90 cm riser cable, illustrating the performance capabilities of high-speed riser cables.

MAINTENANCE

Regular maintenance of your PC components, including the vertical GPU bracket and riser cable, can help ensure longevity and optimal performance.

- **Dust Removal:** Periodically clean any dust accumulation on the bracket and around the graphics card to maintain proper airflow and cooling.
- **Connection Check:** Ensure all cable connections remain secure over time.
- **Physical Inspection:** Check the bracket and riser cable for any signs of wear or damage.

TROUBLESHOOTING

If you encounter issues after installing the vertical GPU bracket and riser cable, consider the following:

- **No Display/System Instability with PCI-E 4.0 GPU:** If your graphics card is PCI-E 4.0 compatible, ensure you have set the PCI-E slot in your motherboard's BIOS to Gen3/PCI-E 3.0. This is a common requirement for PCI-E 3.0 riser cables when used with newer GPUs.
- **Graphics Card Not Detected:** Double-check all connections, especially the riser cable to both the motherboard and the graphics card. Ensure the graphics card is fully seated in the riser's slot.
- **Physical Fit Issues:** If the bracket does not fit perfectly, remember that some chassis modifications might be required, especially for cases not explicitly designed for vertical GPU mounting.

SPECIFICATIONS

Feature	Detail
Brand	Phanteks
Model Number	PH-VGPUKT_02
Riser Cable Length	220mm

PCI-E Version Support	PCI-E 3.0/2.0/1.0 (Requires BIOS setting for PCI-E 4.0 GPUs)
PCI Slot Requirement	7+ open PCI slots
GPU Support	Dual Slot GPU
Material	Powder Coated Steel
Item Weight	15.2 ounces
Product Dimensions	9.5 x 6.5 x 6.5 inches

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product packaging or visit the official Phanteks website. Specific warranty terms and conditions may vary by region and retailer.

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