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VisionTek Rx 550

VisionTek Radeon Rx 550 4GB GDDR5 Graphics Card Instruction Manual

Comprehensive guide for setup, operation, maintenance, and troubleshooting.

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your VisionTek Radeon Rx 550 4GB GDDR5 Graphics Card. Please read this manual thoroughly before use to ensure proper functionality and to maximize your product's performance.

2. Key Features

- **High-Resolution Display Support:** Connect up to 4x 4K displays simultaneously, delivering stunning 4K resolution at 60Hz.
- **Efficient Performance:** PCIe BUS-POWERED design eliminates the need for additional power connectors. Requires a recommended 350W or greater system power supply.
- **Enhanced Visual Experience:** Features Radeon FreeSync 2 technology for fluid, tear-free gameplay, supporting HDR and low latency.
- **Impressive 4GB GDDR5 Memory:** Equipped with 4GB GDDR5 memory, running at 1500MHz memory clock and 1071MHz core clock speeds for fast and efficient performance.
- **Compact Design:** Single-slot, full-height design suitable for various PC builds.

Image: VisionTek Radeon RX 550 4GB GDDR5 Graphics Card with its retail packaging.

3. Specifications

Feature	Detail
Graphics Coprocessor	Radeon™ RX 550
Brand	VisionTek
Graphics RAM Size	4 GB GDDR5
Video Output Interface	HDMI (x4)
Graphics Processor Manufacturer	AMD
Product Dimensions	6.9 x 9.4 x 2.3 inches
Item Weight	13.4 ounces
Item Model Number	901459
Power Supply Recommendation	350W or greater

Image: The graphics card with an overlay highlighting key specifications like Radeon RX 550, 4GB Graphics RAM, and Windows 11 support.

4. What's in the Box

- VisionTek Radeon Rx 550 4GB GDDR5 Graphics Card

Note: Additional accessories such as display cables or power adapters may need to be purchased separately depending on your system configuration.

5. Setup and Installation

5.1 System Requirements

- PCI Express 3.0 x16 slot

- 350W or greater power supply (recommended)
- Compatible operating system (Windows 11, Windows 10, Windows 7, Ubuntu x86 64-Bit, Linux x86_64)
- Minimum 4GB system memory

5.2 Hardware Installation

1. **Power Off:** Ensure your computer is completely powered off and unplugged from the wall outlet.
2. **Open Case:** Open your computer case to access the motherboard.
3. **Locate PCIe Slot:** Identify an available PCI Express 3.0 x16 slot on your motherboard.
4. **Remove Slot Cover:** Remove the metal slot cover from the back of your computer case corresponding to the chosen PCIe slot.
5. **Insert Graphics Card:** Carefully align the graphics card with the PCIe slot and press down firmly until it is securely seated. A click may be heard.
6. **Secure Card:** Secure the graphics card to the case with a screw or retention clip.
7. **Close Case:** Close your computer case and reconnect all cables.

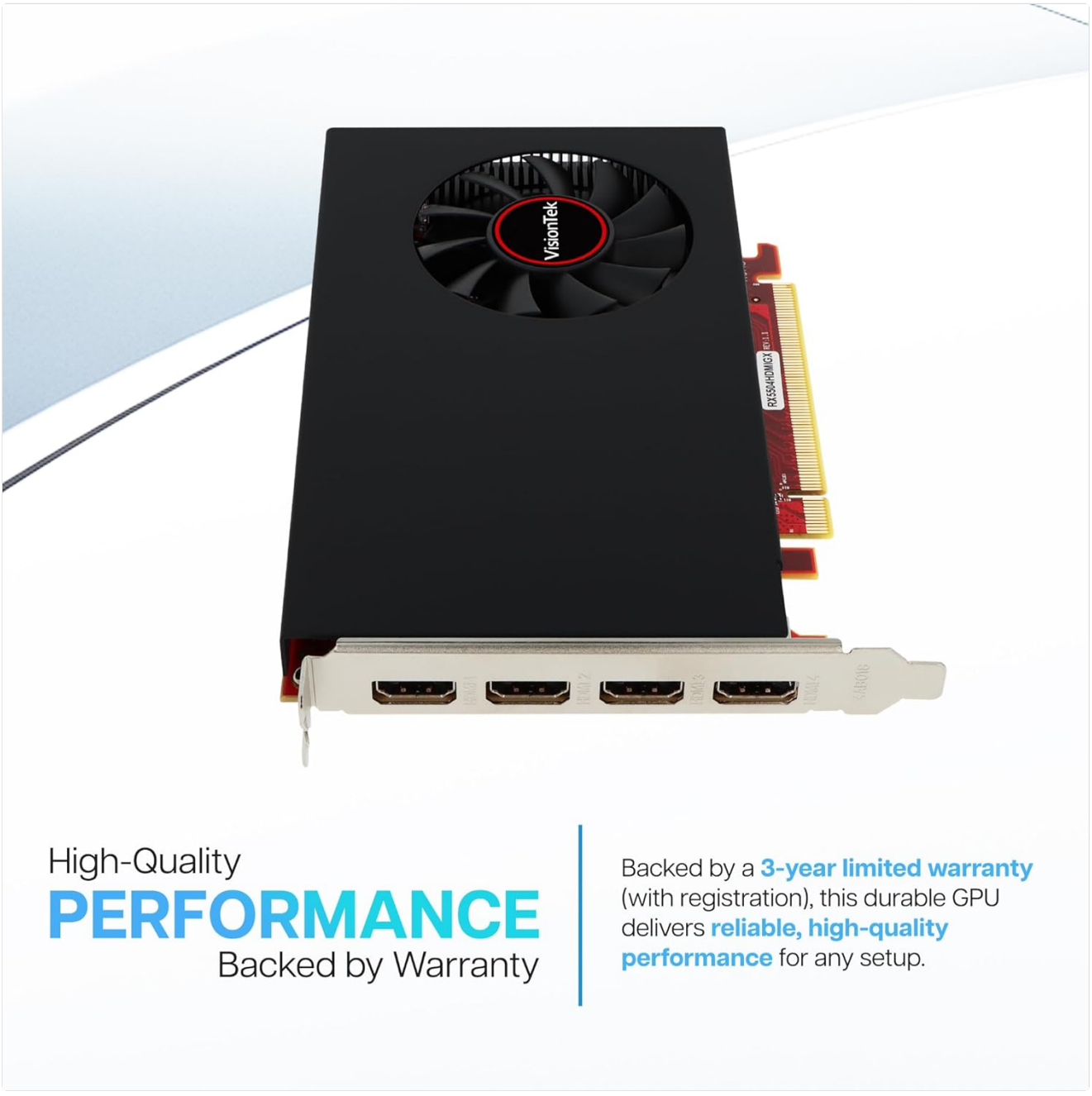

Image: The graphics card highlighting its PCIe bus-powered design, indicating no external power connectors are needed.

Your browser does not support the video tag.

Video: A demonstration of installing a graphics card into a Dell Small Form Factor Case. This video shows the physical installation process.

5.3 Driver Installation

1. **Power On:** Power on your computer. The system may boot into a basic display mode.
2. **Download Drivers:** Visit the official VisionTek or AMD website to download the latest drivers for the Radeon Rx 550.
3. **Install Drivers:** Run the downloaded driver installer and follow the on-screen instructions.
4. **Restart:** Restart your computer after the driver installation is complete.

6. Operating Instructions

6.1 Connecting Displays

The VisionTek Radeon Rx 550 features four HDMI output ports, allowing for multi-monitor setups. Connect your monitors to the HDMI ports on the graphics card using compatible HDMI cables.

Image: A close-up of the graphics card's four HDMI output ports, labeled HDMI 1 through HDMI 4.

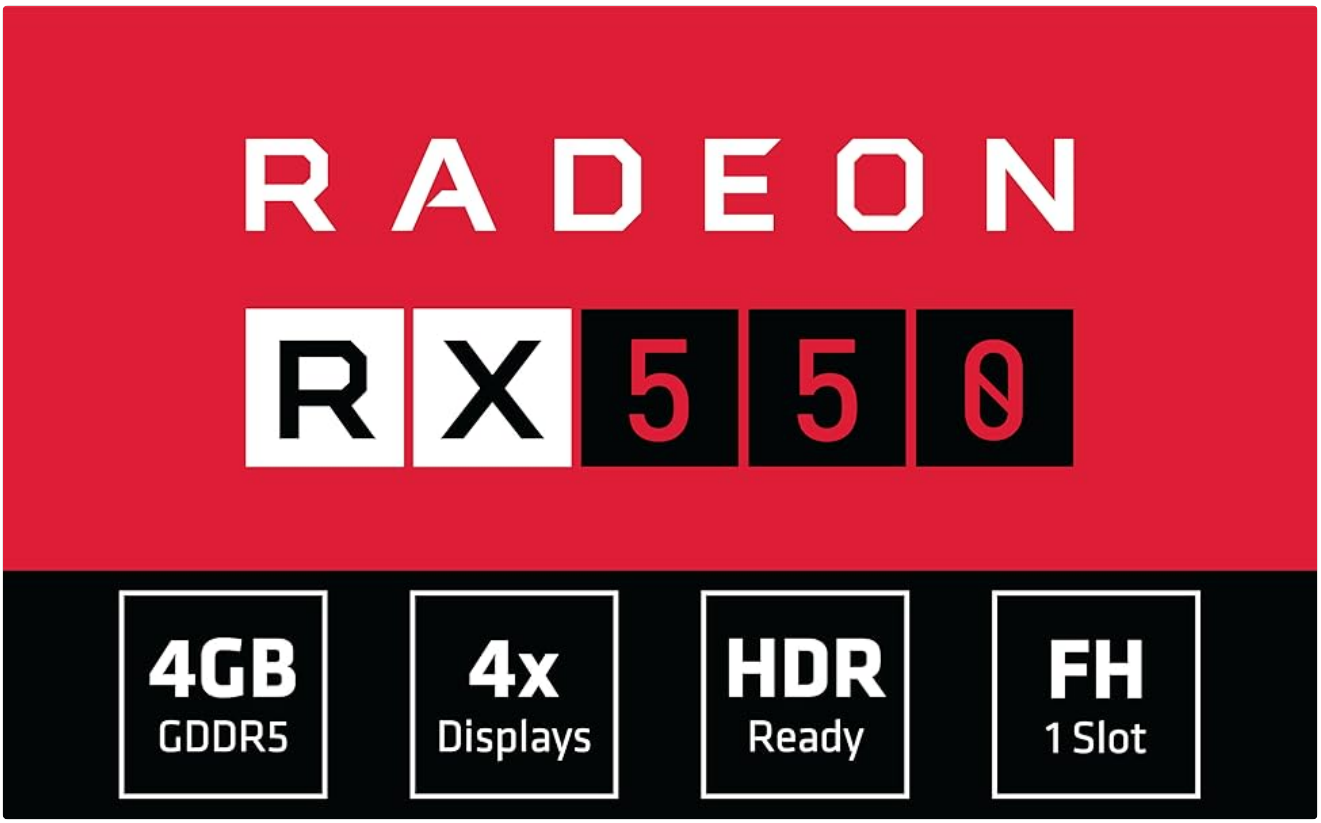

Image: A visual representation of a multi-monitor setup with four displays connected to the RX 550 graphics card, supporting 4K resolution.

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Video: An informational video explaining the features and uses of multi-monitor video cards, demonstrating how to set up multiple displays.

6.2 Configuring Display Settings

After connecting your monitors and installing the drivers, you can configure your display settings through your operating system's display options or AMD Radeon Software. This allows you to:

- Extend your desktop across multiple screens.
- Duplicate your display on all monitors.
- Arrange monitors in your preferred layout.
- Adjust resolution and refresh rates for each display.

For optimal gaming performance, enable Radeon FreeSync 2 in your display settings if your monitor supports it.

7. Maintenance

- **Keep Clean:** Regularly clean dust from the graphics card fans and heatsink using compressed air. Ensure the computer is powered off and unplugged before cleaning.
- **Driver Updates:** Keep your graphics drivers updated by regularly checking the official VisionTek or AMD website for new releases.
- **Airflow:** Ensure adequate airflow within your computer case to prevent overheating.

8. Troubleshooting

8.1 No Display Output

- Verify the graphics card is fully seated in the PCIe slot.
- Ensure display cables are securely connected to both the graphics card and the monitor.
- Check if your monitor is set to the correct input source (e.g., HDMI 1, HDMI 2).
- Test with a different display cable or monitor if possible.

8.2 Driver Installation Issues

- Ensure you have downloaded the correct drivers for your operating system and graphics card model.
- Uninstall any previous graphics drivers before attempting a new installation.
- Disable antivirus software temporarily during driver installation if issues persist.

8.3 Performance Issues / Overheating

- Ensure your system meets the recommended power supply requirements (350W or greater).
- Clean dust from the graphics card fans and heatsink.
- Verify proper airflow within your computer case.
- Monitor GPU temperatures using software tools.

9. Warranty and Support

The VisionTek Radeon Rx 550 Graphics Card is backed by a **3-year limited warranty**. To ensure coverage, please register your product within 30 days of purchase.
For technical support, troubleshooting assistance, or warranty claims, please visit the official VisionTek website or contact their customer support.
VisionTek Website: www.visiontek.com

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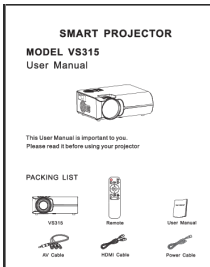	[Visiontek VS315 Smart Projector User Manual] Comprehensive user manual for the Visiontek VS315 Smart Projector, covering setup, features, specifications, settings, troubleshooting, and FCC compliance.
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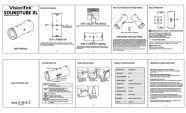	[VisionTek Soundtube XL User Manual: Bluetooth Speaker Operation and Specifications] Comprehensive user manual for the VisionTek Soundtube XL waterproof Bluetooth speaker, covering setup, pairing, operation, TWS functionality, specifications, and troubleshooting.
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