XFX RX-570P427D6

XFX RX 570 4GB GDDR5 RS XXX Edition Graphics Card User Manual

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your XFX RX 570 4GB GDDR5 RS XXX Edition Graphics Card (Model: RX-570P427D6). Please read these instructions carefully before proceeding with installation to ensure proper functionality and to prevent damage to your system components.

The XFX Radeon RX 570 Series graphics card is designed to deliver a high-performance visual experience, featuring AMD RX 570 chipset, 4GB GDDR5 memory, and XFX Double Dissipation Cooling Design. It supports dual BIOS for gaming and cryptocurrency mining applications.

WHAT'S IN THE BOX

Verify that all components are present in the packaging before proceeding with installation:

- XFX RX 570 4GB GDDR5 RS XXX Edition Graphics Card
- Quick Install Guide
- Driver CD (Note: Latest drivers should be downloaded from the official XFX or AMD website for optimal performance and bug fixes.)
- Power Adapter Cable (if included)

This image shows the XFX RX 570 graphics card from a front-side angle, highlighting its dual-fan cooling system and overall design.

Installation Guide

System Requirements

- PCI Express-compliant motherboard with one x16 graphics slot.
- Minimum 500W power supply with one 8-pin PCIe power connector (or two 6-pin connectors if using an adapter).
- Minimum 4GB system memory (8GB recommended).
- Supported operating system (Windows 7/8.1/10 64-bit, Linux 64-bit).
- Internet connection for driver download.

Physical Installation

1. **Power Off System:** Completely shut down your computer and disconnect the power cable from the wall outlet.

2. **Open Computer Case:** Remove the side panel of your computer case to access the motherboard.

3. **Locate PCI Express x16 Slot:** Identify an available PCI Express x16 slot on your motherboard. This is typically the longest slot. If replacing an existing graphics card, carefully remove it.

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:** Align the graphics card with the PCIe x16 slot and press down firmly until it is securely seated. You should hear a click from the slot's retention clip.

6. **Secure Graphics Card:** Use a screw to fasten the graphics card to the computer case at the rear I/O

bracket.

7. **Connect Power:** Connect the 8-pin (or two 6-pin via adapter) PCIe power connector from your power supply to the corresponding port on the graphics card. Ensure a firm connection.

8. **Close Case:** Reattach the side panel of your computer case.

9. **Connect Display Cable:** Connect your monitor's display cable (HDMI, DisplayPort, or DVI) to the appropriate port on the graphics card.

The rear panel of the XFX RX 570 graphics card, displaying the various display output ports including DisplayPort, HDMI, and DVI.

Driver Installation

After physical installation, you must install the graphics drivers for optimal performance.

1. **Power On System:** Reconnect the power cable and turn on your computer.

2. **Download Drivers:** Navigate to the official XFX support website (www.xfxsupport.com) or AMD's official driver download page. Locate the latest drivers for the Radeon RX 570 graphics card compatible with your operating system.

3. **Run Installer:** Execute the downloaded driver installer and follow the on-screen prompts. It is recommended to perform a clean installation if prompted.

4. **Restart Computer:** After the installation is complete, restart your computer for the changes to take effect.

OPERATING INSTRUCTIONS

Initial Setup

Upon successful driver installation, your operating system should automatically detect the graphics card. You may need to adjust display settings:

- **Resolution:** Set your display to its native resolution for the sharpest image.
- **Refresh Rate:** Configure the refresh rate to match your monitor's capabilities.
- **Multiple Displays:** If using multiple monitors, configure their arrangement and primary display settings through your operating system's display settings or the AMD Radeon Software.

Software Configuration (AMD Radeon Software)

The AMD Radeon Software provides a comprehensive interface for managing your graphics card settings. It allows you to:

- Monitor performance metrics (temperature, clock speeds, fan speed).

- Adjust game-specific graphics settings for optimal performance or visual quality.
- Enable or disable features like AMD FreeSync.
- Update drivers directly.

Refer to the AMD Radeon Software documentation for detailed instructions on using its features.

MAINTENANCE

Cleaning

Regular cleaning helps maintain optimal performance and extends the lifespan of your graphics card:

- **Dust Removal:** Periodically use compressed air to gently remove dust from the fans and heatsink fins. Ensure the system is powered off and unplugged before cleaning. Hold the fan blades to prevent them from spinning excessively during cleaning.
- **Case Airflow:** Ensure your computer case has adequate airflow to prevent dust buildup and improve cooling efficiency.

Firmware and Driver Updates

Keep your graphics drivers updated to benefit from performance improvements, bug fixes, and new features. Check the XFX or AMD website regularly for the latest driver releases.

TROUBLESHOOTING

If you encounter issues with your graphics card, refer to the following common problems and solutions:

Problem	Possible Solution
No display or black screen	- Ensure the graphics card is fully seated in the PCIe slot. - Verify the PCIe power connector is securely attached to the card. - Check that the display cable is connected to the graphics card, not the motherboard's integrated graphics port. - Test with a different display cable or monitor.
Driver crashes or instability	- Download and install the latest drivers from the official XFX or AMD website. - Perform a clean driver installation (uninstall old drivers before installing new ones). - Ensure your operating system is up to date.
Overheating or loud fan noise	- Clean dust from the graphics card fans and heatsink using compressed air. - Ensure adequate airflow within your computer case. - Monitor temperatures using AMD Radeon Software. - Adjust fan curves in AMD Radeon Software if necessary.

Problem	Possible Solution
Poor performance in games/applications	- Ensure the latest drivers are installed. - Check in-game graphics settings; reduce settings if performance is unsatisfactory. - Verify that your system meets the minimum requirements for the application.

SPECIFICATIONS

Key technical specifications for the XFX RX 570 4GB GDDR5 RS XXX Edition Graphics Card:

- **Chipset:** AMD RX 570
- **Memory:** 4GB GDDR5
- **Memory Speed:** 7 GHz
- **Max Screen Resolution:** 4096x2160
- **Interface:** PCI-Express 3.0
- **Cooling:** XFX Double Dissipation Cooling Design
- **Video Output Interface:** DisplayPort, HDMI, DVI
- **Item Model Number:** RX-570P427D6
- **Item Weight:** 1.98 pounds
- **Product Dimensions:** 11.5 x 9 x 3 inches

WARRANTY AND SUPPORT

XFX products are manufactured to high quality standards. For information regarding your product's warranty, please refer to the warranty documentation included with your purchase or visit the official XFX website. For technical support, driver downloads, or further assistance, please contact XFX support:

- **Website:** www.xfxsupport.com
- **North America Support Line:** 1-800-880-3225