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> [XFX Radeon HD 5770 1GB DDR5 PCIE Graphics Card \(HD577AZNFC\) User Manual](#)

XFX HD577AZNFC

XFX Radeon HD 5770 Graphics Card User Manual

Model: HD577AZNFC

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your XFX Radeon HD 5770 1GB DDR5 PCIE Graphics Card. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of your product.



Figure 1: XFX Radeon HD 5770 Graphics Card. This image displays the overall view of the graphics card, highlighting its cooling shroud and fan.

2. PACKAGE CONTENTS

Verify that all items are present in your product package:

- XFX Radeon HD 5770 Graphics Card
- DVI to VGA adapter
- User's Manual (this document)

3. SPECIFICATIONS

Feature	Detail
Model Number	HD5777AZNFC
Graphics Coprocessor	AMD Radeon
Graphics RAM Size	1 GB DDR5
Video Output Interface	DisplayPort, DVI, HDMI
Dimensions (L x W x H)	12.6 x 6.3 x 3.9 inches
Item Weight	1.8 pounds
DirectX Support	DirectX 11
Multi-GPU Support	Crossfire Ready
Multi-Display Technology	ATI Eyefinity

4. SETUP AND INSTALLATION

4.1 System Requirements

- PCI Express x16 slot
- Minimum 450W power supply with one 6-pin PCI Express power connector (550W for CrossFireX)
- Operating System: Windows 7, Windows Vista, or Windows XP
- Minimum 1GB system memory
- CD-ROM drive or internet connection for driver installation

4.2 Hardware Installation

1. **Power Off and Disconnect:** Power down your computer and unplug the power cord from the wall outlet.
2. **Open Computer Case:** Remove the side panel of your computer case to access the motherboard.
3. **Locate PCI Express Slot:** Identify an available PCI Express x16 slot on your motherboard. If replacing an existing graphics card, carefully remove it.
4. **Insert Graphics Card:** Align the XFX Radeon HD 5770 card with the PCI Express x16 slot and press down firmly until it is securely seated. Ensure the retention clip (if present) locks into place.
5. **Secure Card:** Use a screw to secure the graphics card bracket to the computer case.
6. **Connect Power:** Locate the 6-pin PCI Express power connector from your power supply and connect it to the corresponding port on the graphics card. **Important:** Failure to connect this power cable will result in the card not functioning correctly, potentially leading to no display output and loud fan operation.

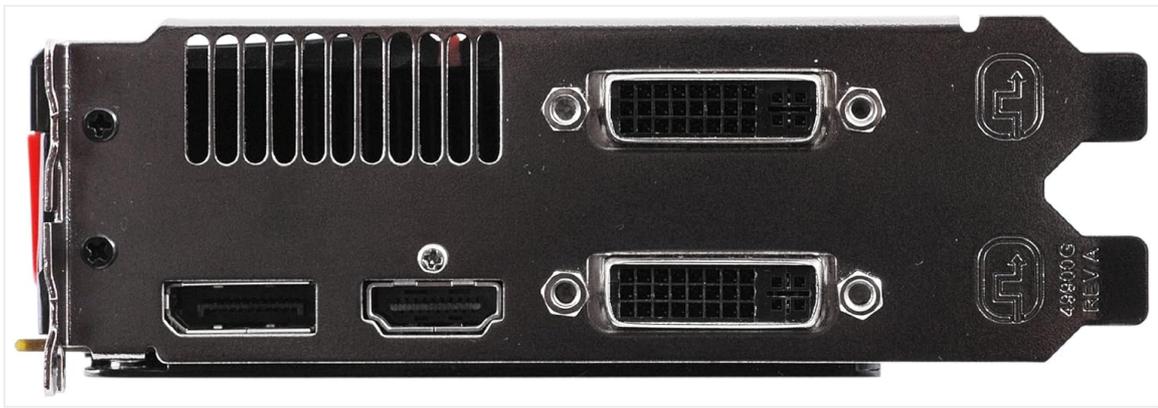


Figure 2: Front view of the XFX Radeon HD 5770 Graphics Card. This image shows the cooling fan and the main body of the card, where the 6-pin power connector is typically located.

7. **Close Case and Reconnect:** Replace the computer case side panel and reconnect all cables, including the monitor cable to the graphics card's output port.

4.3 Driver Installation

1. **Power On:** Power on your computer. Windows will typically detect new hardware.
2. **Install Drivers:**
 - **From CD:** Insert the driver CD (if included) into your optical drive and follow the on-screen instructions.
 - **From Internet:** Visit the official AMD website (or XFX support page) to download the latest drivers for the Radeon HD 5770. Run the installer and follow the prompts.
3. **Restart Computer:** After the driver installation is complete, restart your computer for the changes to take effect.

5. OPERATION AND FEATURES

The XFX Radeon HD 5770 graphics card offers several advanced features to enhance your computing and gaming experience.

5.1 Multi-Monitor Setup with ATI Eyefinity

ATI Eyefinity technology allows you to expand your display across up to three monitors, creating a panoramic view. This can enhance situational awareness in gaming and provide increased desktop space for productivity.

1. Connect your monitors to the available output ports on the graphics card (DVI, HDMI, DisplayPort).



Figure 3: Output ports of the XFX Radeon HD 5770 Graphics Card. This image shows the various display connectors, including DVI, HDMI, and DisplayPort, which are used for connecting monitors.

2. Open the AMD Catalyst Control Center (or equivalent driver software).
3. Navigate to the "Desktop Management" or "Display" section.
4. Configure your displays to extend across multiple monitors using the Eyefinity setup wizard.

Note: For optimal Eyefinity performance, ensure your monitors support the desired resolutions and refresh rates.

5.2 DirectX 11 Support

The Radeon HD 5770 supports DirectX 11, enabling advanced graphical features such as tessellation for greater realism and detail in compatible games and applications.

5.3 High-Definition Video and Audio

Equipped with ATI Avivo technology, the card accelerates HD image processing for smooth video playback. It supports full HDMI connectivity and the latest HD color profiles, making it suitable for Blu-ray movie playback. An integrated audio controller supports HD audio profiles like AC-3, AAC, Dolby TrueHD, and DTS-HD, delivering up to 7.1 channel surround audio.

5.4 CrossFire Support

For increased graphical performance, the ATI Radeon HD 5770 supports CrossFire technology, allowing you to link two compatible graphics cards together. This can significantly boost GPU output, reducing frame-rate drops in demanding applications and games.

6. MAINTENANCE

Proper maintenance ensures the longevity and stable operation of your graphics card.

- **Driver Updates:** Regularly check the official AMD website for the latest graphics drivers. Keeping your drivers updated can improve performance, stability, and compatibility with new software.
- **Dust Removal:** Periodically clean dust from the graphics card's fan and heatsink using compressed air. Ensure the computer is powered off and unplugged before cleaning.
- **Airflow:** Ensure your computer case has adequate airflow to prevent overheating. The card utilizes

PowerPlay technology to dynamically adjust power use and disperse heat effectively, but good case ventilation is still crucial.

- **Physical Inspection:** Occasionally inspect the card for any loose connections or visible damage.

7. TROUBLESHOOTING

If you encounter issues with your graphics card, refer to the following common troubleshooting steps:

- **No Display Output:**
 - Ensure the monitor cable is securely connected to the graphics card.
 - Verify that the 6-pin PCI Express power connector is firmly attached to the graphics card. An unconnected power cable can result in no display.
 - Check if your monitor is set to the correct input source.
 - Try connecting the monitor to a different output port on the graphics card, or to the motherboard's integrated graphics (if available) to rule out monitor issues.
- **Loud Fan Noise:**
 - A loud fan can indicate insufficient power. Double-check the 6-pin power connector.
 - Excessive dust buildup can cause fans to work harder. Clean the fan and heatsink as described in the Maintenance section.
 - Ensure proper case airflow.
- **Graphical Artifacts or Instability:**
 - Update your graphics drivers to the latest version.
 - Ensure the card is properly seated in its PCI Express slot.
 - Monitor the card's temperature using third-party software. Overheating can cause instability.
 - If overclocking, revert to default clock speeds.
- **Poor Performance in Games/Applications:**
 - Ensure you have the latest graphics drivers installed.
 - Check in-game settings; reduce resolution or graphical quality if necessary.
 - Verify that your system meets the minimum requirements for the application.
 - Close unnecessary background applications.

8. WARRANTY INFORMATION

The XFX Radeon HD 5770 Graphics Card is backed by a three-year warranty. Please retain your proof of purchase for warranty claims.

Note: Warranty terms and conditions may vary by region. Some users have reported that warranty validity may be restricted to specific geographical regions, such as North America. It is recommended to consult the official XFX website or contact their customer support for precise warranty details applicable to your location.

9. TECHNICAL SUPPORT

For further assistance, driver downloads, or detailed product information, please visit the official XFX support website:

www.xfxforce.com/support

You may also refer to the AMD support resources for general Radeon graphics card information and driver updates.

Related Documents - HD577AZNFC

	<p>XFX Speedster Series Z Support Bar Installation Guide</p> <p>Instructions for installing the XFX Speedster Series Z Support Bar, a component designed to protect your GPU and motherboard from vibration and damage.</p>
	<p>XFX GeForce 9300 Motherboard User Guide: Installation, Specifications, and BIOS Configuration</p> <p>Explore the XFX GeForce 9300 Motherboard with this comprehensive user guide. Learn about hardware installation, system specifications, BIOS settings, and connectivity options for building or upgrading your PC.</p>
	<p>XFX Swift AMD Radeon RX 9060 XT OC Triple Fan 16GB GDDR6 Graphics Card RX-96TS316B7</p> <p>Podroben opis grafične kartice XFX Swift AMD Radeon RX 9060 XT OC Triple Fan Gaming Edition, ki vključuje 16 GB GDDR6 pomnilnika, vmesnik PCIe 5.0 in več izhode za zaslon. Vsebuje tehnične specifikacije, podatke o zmogljivosti in informacije o proizvajalcu.</p>
	<p>XFX AMD Radeon RX 5700 XT THICC III Ultra Graphics Card Specifications</p> <p>Detailed specifications for the XFX AMD Radeon RX 5700 XT 8G D6 THICC III Ultra graphics card, including clock speeds, memory, outputs, features, requirements, and dimensions.</p>
	<p>XFX Radeon RX 7800 XT Speedster QICK319 Graphics Card</p> <p>Detailed information about the XFX Radeon RX 7800 XT Speedster QICK319 graphics card by XFX, including its index, manufacturer code, price, and status.</p>
	<p>Karta graficzna XFX SPEEDSTER SWFT210 RADEON RX 7600 - Specyfikacja i Opis</p> <p>Szczegółowe informacje o karcie graficznej XFX SPEEDSTER SWFT210 RADEON RX 7600, w tym dane techniczne, opis produktu i cena.</p>

