XFX RX-68XTAQFD9

XFX Speedster SWFT 319 AMD Radeon RX 6800 XT CORE Gaming Graphics Card User Manual

Model: RX-68XTAQFD9

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1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your XFX Speedster SWFT 319 AMD Radeon RX 6800 XT CORE Gaming Graphics Card. This graphics card is designed to deliver high-performance visual processing for gaming and demanding applications, featuring AMD RDNA 2 architecture and 16GB GDDR6 memory. Please read this manual thoroughly before proceeding with installation.

2. SAFETY INFORMATION

- Always disconnect power from your computer before installing or removing any components.
- Wear an anti-static wrist strap or frequently touch a grounded metal object to prevent electrostatic discharge (ESD) damage to components.
- Handle the graphics card by its edges and avoid touching the gold-plated PCI Express connector or other sensitive components.
- Ensure your power supply unit (PSU) meets the minimum wattage requirements for your system, including the graphics card.
- Keep the graphics card away from moisture, dust, and extreme temperatures.

3. PACKAGE CONTENTS

Verify that all items are present in your product package:

- XFX Speedster SWFT 319 AMD Radeon RX 6800 XT CORE Gaming Graphics Card
- Driver CD (Note: Latest drivers are recommended to be downloaded from the official AMD website)

4. SETUP AND INSTALLATION

4.1 Pre-Installation Checks

- **System Compatibility:** Ensure your motherboard has an available PCI Express x16 slot.

- **Power Supply:** Confirm your power supply unit (PSU) has sufficient wattage and the necessary 8-pin PCIe power connectors. The RX 6800 XT typically requires two 8-pin PCIe power connectors.

- **Case Clearance:** The graphics card dimensions are approximately 13.39 x 5.12 x 0.04 inches. Verify your PC case has adequate space for installation.

- **BIOS/UEFI:** Update your motherboard's BIOS/UEFI to the latest version for optimal compatibility.

4.2 Physical Installation

1. Power off your computer and disconnect the power cable from the wall outlet.

2. Open your computer case.

3. Locate an available PCI Express x16 slot on your motherboard. Remove any expansion slot covers from the back of the case that correspond to the graphics card's position.

4. Carefully align the graphics card with the PCI Express x16 slot. Apply even pressure to both ends of the card until it is fully seated in the slot. You should hear a click as the retention clip engages.

5. Secure the graphics card to the case with screws.

6. Connect the required 8-pin PCIe power cables from your power supply to the corresponding power connectors on the graphics card. Ensure a firm connection.

Image: Angled view of the XFX Speedster SWFT 319 graphics card, highlighting the triple fan cooling system and the location of the power connectors on the side.

Image: Front view of the XFX Speedster SWFT 319 graphics card, showcasing its three cooling fans and the 'RADEON' branding.

4.3 Driver Installation

1. Close your computer case and reconnect the power cable.

2. Connect your display monitor to one of the graphics card's output ports (HDMI or DisplayPort).

3. Power on your computer. The system may boot into a basic display mode.

4. Insert the provided Driver CD or, for the latest drivers, visit the official AMD website (www.amd.com/support) to download the appropriate drivers for your operating system.

5. Follow the on-screen instructions to install the AMD Radeon Software Adrenalin Edition. This software includes the necessary drivers and utilities for optimal performance and features.

6. Restart your computer after the driver installation is complete.

5. OPERATING YOUR GRAPHICS CARD

5.1 Display Connection

Connect your monitor(s) to the available display outputs on the graphics card. This model typically features HDMI and DisplayPort (3xDP) outputs. Ensure your display cables are securely connected.

5.2 AMD Radeon Software Adrenalin Edition

The AMD Radeon Software Adrenalin Edition provides a comprehensive interface for managing your graphics card. Through this software, you can:

- Monitor performance metrics such as GPU temperature, clock speed, and fan speed.
- Adjust game-specific settings for optimal performance and visual quality.
- Enable features like Radeon Anti-Lag, Radeon Boost, and FidelityFX Super Resolution (FSR).
- Update graphics drivers.

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

6. MAINTENANCE

6.1 Cleaning

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

- **Frequency:** Clean your graphics card every 3-6 months, or more frequently if your environment is dusty.
- **Procedure:** Disconnect power from your PC. Use compressed air to gently blow dust from the fans, heatsink fins, and other accessible areas. Hold the fan blades in place while using compressed air to prevent over-spinning and potential damage to the fan bearings. Do not use liquid cleaners.

Image: Bottom angled view of the XFX Speedster SWFT 319 graphics card, illustrating the extensive heatsink fins designed for efficient heat dissipation.

6.2 Driver Updates

Keep your graphics drivers updated to ensure the best performance, stability, and compatibility with new games and applications. You can check for updates through the AMD Radeon Software Adrenalin Edition or the official AMD website.

7. Troubleshooting

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

- **No Display Output:**

  - Ensure the monitor is connected to the graphics card, not the motherboard's integrated graphics port.
  - Verify all power cables (PCIe and monitor) are securely connected.
  - Reseat the graphics card in its PCI Express slot.
  - Test with a different display cable or monitor if possible.

- **System Instability/Crashes:**

  - Ensure drivers are up-to-date. Consider performing a clean installation of drivers.
  - Check GPU temperatures using monitoring software. Overheating can cause instability.
  - Verify your power supply unit (PSU) is sufficient and stable.

- **Poor Performance in Games:**

  - Ensure game settings are appropriate for your system and resolution.
  - Check for background applications consuming system resources.
  - Verify drivers are correctly installed and up-to-date.

- **Coil Whine:**

- Some graphics cards may exhibit a high-pitched sound known as coil whine, especially under high load. This is generally not indicative of a fault and does not affect performance or longevity.
- Ensure your PSU is of good quality, as a poor PSU can sometimes exacerbate coil whine.

If these steps do not resolve your issue, please contact XFX customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	RX-68XTAQFD9
Graphics Coprocessor	AMD Radeon RX 6800 XT
Chipset Brand	AMD
Graphics Card RAM Size	16 GB GDDR6
Memory Speed	16 GHz
Boost Clock	Up To 2250MHz
Cooling	XFX Speedster SWFT 319 Triple Fan Cooling
Max Screen Resolution	3840x2160
Video Output Interface	HDMI, 3x DisplayPort
Item Weight	3.65 pounds
Product Dimensions (LxWxH)	13.39 x 5.12 x 0.04 inches
Manufacturer	XFX

9. WARRANTY AND SUPPORT

XFX products are covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty information included with your product or visit the official XFX website. Keep your proof of purchase for warranty claims.

Customer Support

For technical assistance, driver downloads, or further inquiries, please visit the XFX support website:

www.xfxforce.com/support