

## XFX RX-97SWFT3B7

# XFX Swift AMD Radeon RX 9070 OC Triple Fan Gaming Edition Graphics Card User Manual

Model: RX-97SWFT3B7

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## 1. INTRODUCTION

Thank you for choosing the XFX Swift AMD Radeon RX 9070 OC Triple Fan Gaming Edition Graphics Card. This manual provides essential information for the proper installation, operation, and maintenance of your new graphics card. Please read this manual thoroughly before installation to ensure optimal performance and to prevent damage. The XFX Swift RX 9070 is designed to deliver high-performance gaming and computing experiences, featuring 16GB GDDR6 memory and the XFX SWFT Triple Fan Cooling Solution for efficient thermal management.

## 2. SAFETY INFORMATION

Observe the following safety precautions during installation and operation:

- Always disconnect the power supply from your computer before installing or removing any components.
- Wear an anti-static wrist strap or frequently touch a grounded metal object to discharge static electricity, which can damage electronic components.
- Handle the graphics card by its edges to avoid touching sensitive components.
- Ensure proper ventilation within your computer case to prevent overheating.
- Do not expose the graphics card to moisture or extreme temperatures.
- Keep out of reach of children.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- XFX Swift AMD Radeon RX 9070 OC Triple Fan Gaming Edition Graphics Card
- Quick Install Guide



Figure 3.1: XFX Swift RX 9070 Graphics Card and its retail packaging.

## 4. SETUP AND INSTALLATION

### 4.1 System Requirements

- PCI Express-compliant motherboard with one x16 graphics slot.
- Minimum 750W power supply with appropriate PCIe power connectors (e.g., 8-pin + 8-pin).
- Minimum 8GB system memory (16GB recommended).
- Operating System: Windows 10/11 64-bit or Linux 64-bit.
- Internet connection for driver installation.

### 4.2 Hardware Installation

1. **Prepare Your System:** Power off your computer and disconnect the power cable. Open the computer case.
2. **Locate PCIe Slot:** Identify an available PCI Express x16 slot on your motherboard. Remove any expansion slot covers that block the slot.
3. **Install the Graphics Card:** Carefully align the graphics card with the PCIe x16 slot. Press down firmly and evenly until the card is securely seated in the slot. A click may be heard.
4. **Secure the Card:** Use a screw to fasten the graphics card to the computer case's expansion slot bracket.

5. **Connect Power Cables:** Connect the required PCIe power cables from your power supply to the graphics card's power connectors. The XFX RX 9070 typically requires two 8-pin PCIe power connectors. Ensure they are fully seated.
6. **Close Case and Reconnect:** Close your computer case and reconnect all peripherals and the power cable.



Figure 4.1: Side view of the graphics card, highlighting the PCIe power connectors.



Figure 4.2: Rear view of the graphics card, showing the video output interfaces (DisplayPort and HDMI).

### 4.3 Driver Installation

1. **Power On:** Turn on your computer. The operating system may install a basic display driver.
2. **Download Drivers:** Visit the official AMD website ([www.amd.com/support](http://www.amd.com/support)) or the XFX support page ([www.xfxforce.com/support](http://www.xfxforce.com/support)) to download the latest drivers for your AMD Radeon RX 9070 graphics card.
3. **Install Drivers:** Run the downloaded driver installer and follow the on-screen instructions. It is recommended to perform a clean installation.
4. **Restart:** Restart your computer after the driver installation is complete.

## 5. OPERATING INSTRUCTIONS

### 5.1 Connecting Displays

Connect your monitor(s) to the available DisplayPort or HDMI ports on the graphics card. The XFX RX 9070 supports multiple displays. Ensure your display cables are securely connected.

### 5.2 AMD Software: Adrenalin Edition

After driver installation, the AMD Software: Adrenalin Edition will be available. This software allows you to:

- Adjust graphics settings for games and applications.

- Monitor GPU performance, temperature, and fan speeds.
- Update drivers.
- Access features like Radeon Anti-Lag, Radeon Boost, and Radeon Image Sharpening.

Refer to the AMD Software: Adrenalin Edition documentation for detailed usage instructions.

## 6. MAINTENANCE

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### 6.1 Cleaning

To maintain optimal performance and longevity, periodically clean your graphics card:

- **Power Off:** Always power off your computer and disconnect the power cable before cleaning.
- **Dust Removal:** Use compressed air to gently blow dust from the fans, heatsink fins, and other components. Hold the fans to prevent them from spinning rapidly during cleaning.
- **Surface Cleaning:** Use a soft, dry, lint-free cloth to wipe the exterior surfaces of the card. Do not use liquid cleaners directly on the card.



*Figure 6.1: Top view of the graphics card, illustrating the triple fan cooling system. Regular cleaning of these fans is recommended.*

## **6.2 Driver Updates**

Regularly check for and install the latest graphics drivers from AMD's official website. Driver updates often include performance improvements, bug fixes, and support for new games and applications.

## **7. TROUBLESHOOTING**

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

Problem	Possible Solution
No display output.	<ul style="list-style-type: none"><li>• Ensure the monitor is connected to the graphics card, not the motherboard's integrated graphics port.</li><li>• Verify all power cables are securely connected to the graphics card.</li><li>• Reseat the graphics card in its PCIe slot.</li><li>• Test with a different display cable or monitor.</li></ul>
System crashes or freezes during gaming.	<ul style="list-style-type: none"><li>• Ensure graphics drivers are up to date.</li><li>• Check GPU temperatures using monitoring software (e.g., AMD Software: Adrenalin Edition). Ensure adequate case ventilation.</li><li>• Verify power supply wattage meets the minimum requirements.</li><li>• Reduce in-game graphics settings.</li></ul>
Driver installation failure.	<ul style="list-style-type: none"><li>• Download the latest drivers directly from AMD's official website.</li><li>• Disable antivirus software temporarily during installation.</li><li>• Perform a clean installation of the drivers.</li></ul>
Fans are not spinning or are excessively loud.	<ul style="list-style-type: none"><li>• Many modern GPUs feature a "0 RPM" mode where fans only spin under load. Check GPU temperature under load.</li><li>• Clean dust from the fans and heatsink.</li><li>• Ensure no cables are obstructing fan movement.</li><li>• If fans are excessively loud, check for abnormal temperatures or contact support.</li></ul>

## 8. SPECIFICATIONS

Key technical specifications for the XFX Swift AMD Radeon RX 9070 OC Triple Fan Gaming Edition Graphics Card:

Feature	Detail
Model Number	RX-97SWFT3B7
Graphics Coprocessor	AMD RX 9070
Memory	16 GB GDDR6
Boost Clock	Up to 2700 MHz
GPU Clock Speed	1440 MHz (Base)
Cooling Solution	XFX SWFT Triple Fan
Video Output Interface	DisplayPort, HDMI (3xDP, 1xHDMI)
Product Dimensions	11.42 x 5.91 x 0.04 inches
Item Weight	3.83 pounds

## 9. WARRANTY AND SUPPORT

XFX products are manufactured to the highest quality standards. For information regarding your product's warranty, please refer to the warranty card included with your purchase or visit the official XFX website:

[www.xfxforce.com/support](http://www.xfxforce.com/support)

For technical support, driver downloads, and frequently asked questions, please visit the XFX support page. You may also contact XFX customer service directly through the contact information provided on their website.

## 10. REGULATORY COMPLIANCE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. For full regulatory compliance details, please refer to the documentation provided with your product or the XFX official website.

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### Related Documents - RX-97SWFT3B7

	<p><a href="#">XFX Radeon RX 7800 XT Speedster QICK319 Graphics Card</a></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><a href="#">Karta graficzna XFX SPEEDSTER SWFT210 RADEON RX 7600 - Specyfikacja i Opis</a></p> <p>Szczegółowe informacje o karcie graficznej XFX SPEEDSTER SWFT210 RADEON RX 7600, w tym dane techniczne, opis produktu i cena.</p>
	<p><a href="#">XFX Speedster Series Z Support Bar Installation Guide</a></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>



[XFX GeForce 9300 Motherboard User Guide: Installation, Specifications, and BIOS Configuration](#)  
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.



[Louqe Ghost S1 MkIII GPU Compatibility Guide](#)  
A comprehensive guide to GPU compatibility for the Louqe Ghost S1 MkIII computer case, listing NVIDIA, AMD, and Intel graphics cards that fit within the 2.1-Slot dimension of 145mm (H) x 45mm (W) x 305mm (D).



[PowerColor Red Devil RX 9070 XT Quick Installation Guide](#)  
A comprehensive guide for installing and setting up the PowerColor Red Devil RX 9070 XT graphics card, including system requirements, hardware installation, driver installation, and optional features like RGB lighting and software configuration.