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**XFX RX-96TMERCW9**

# XFX Mercury AMD Radeon RX 9060XT OC White Gaming Edition Graphics Card User Manual

Model: RX-96TMERCW9

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of your XFX Mercury AMD Radeon RX 9060XT OC White Gaming Edition Graphics Card. Please read this manual thoroughly before installation to ensure proper setup and optimal performance. Retain this manual for future reference.



Image 1.1: The XFX Mercury AMD Radeon RX 9060XT OC White Gaming Edition Graphics Card alongside its packaging.

## 2. PACKAGE CONTENTS

Verify that all items are present in your product package:

- XFX Mercury AMD Radeon RX 9060XT OC White Gaming Edition Graphics Card
- Quick Install Guide

## 3. SYSTEM REQUIREMENTS

Before installing your graphics card, ensure your system meets the following minimum requirements:

- PCI Express-compliant motherboard with one x16 graphics slot.
- Minimum 750W power supply with two 8-pin PCIe power connectors (consult your system builder or PSU manufacturer for specific recommendations).
- Minimum 8GB system memory (16GB recommended).
- Supported operating system: Windows 10/11 64-bit or Linux 64-bit.
- Display monitor with DisplayPort or HDMI input.
- Internet connection for driver installation.

## 4. INSTALLATION

### 4.1. Physical Installation

1. **Power Off and Disconnect:** Turn off your computer and unplug the power cord from the wall outlet.
2. **Open PC Case:** Remove the side panel of your computer case to access the motherboard.
3. **Locate PCIe 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 Covers:** Remove the metal slot covers from the back of your PC case corresponding to the PCIe slot you will use.
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.



Image 4.1: Front view of the graphics card, highlighting the triple fan cooling system.

6. **Secure the Card:** Use screws to secure the graphics card to the PC case at the bracket.
7. **Connect Power Cables:** Connect the required 8-pin PCIe power connectors from your power supply to the corresponding ports on the graphics card. Ensure connections are firm.
8. **Close PC Case:** Replace the side panel of your computer case.
9. **Connect Monitor:** Connect your display monitor to one of the DisplayPort or HDMI outputs on the graphics card.
10. **Power On:** Plug the power cord back into the wall outlet and turn on your computer.

## 4.2. Driver Installation

After physical installation, you must install the latest drivers for your graphics card:

1. **Download Drivers:** Visit the official AMD website ([www.amd.com/en/support](http://www.amd.com/en/support)) or the XFX support page to download the latest drivers for the AMD Radeon RX 9060XT.
2. **Run Installer:** Locate the downloaded driver package and run the installer.
3. **Follow On-Screen Prompts:** Follow the instructions provided by the driver installer. It is recommended to perform a 'Clean Installation' to remove any previous driver remnants.
4. **Restart System:** After the installation is complete, restart your computer as prompted.

## 5. OPERATING

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Your XFX Mercury AMD Radeon RX 9060XT graphics card is designed for high-performance computing and gaming. Once drivers are installed, the card will automatically handle graphics processing for your applications and games.

- **AMD Software: Adrenalin Edition:** For advanced settings, performance monitoring, and feature customization, install the AMD Software: Adrenalin Edition from the AMD website. This software allows you to adjust game settings, monitor temperatures, and optimize performance.
- **Display Configuration:** Use your operating system's display settings to configure resolution, refresh rate, and multiple monitors.

## 6. MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your graphics card.

- **Dust Removal:** Periodically open your PC case and use compressed air to gently remove dust from the graphics card's fans and heatsink fins. Ensure the fans do not spin rapidly during cleaning.
- **Environmental Conditions:** Operate the graphics card in a well-ventilated environment. Avoid extreme temperatures and high humidity.
- **Driver Updates:** Regularly check for and install the latest graphics drivers from AMD to benefit from performance improvements and bug fixes.



Image 6.1: Side view of the graphics card, illustrating the heatsink design for efficient cooling.

## 7. TROUBLESHOOTING

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

- **No Display Output:**

- Ensure the monitor cable is securely connected to the graphics card and the monitor.
- Verify that the graphics card is fully seated in the PCIe slot.
- Check that all PCIe power connectors are firmly attached to the graphics card.
- Test with a different monitor or cable if possible.

- **Driver Installation Issues:**

- Download the latest drivers directly from the AMD website.
- Use a driver uninstaller utility (e.g., DDU) to completely remove old drivers before attempting a fresh installation.

- **Poor Performance/Crashes:**

- Ensure your system meets the recommended specifications.
- Monitor GPU temperatures using AMD Software: Adrenalin Edition or third-party tools. Overheating can cause performance degradation.
- Verify your power supply unit (PSU) provides sufficient and stable power.
- Check for system BIOS/UEFI updates for your motherboard.

- **Fan Noise:**

- Ensure fans are free of dust and obstructions.
- Adjust fan curves in AMD Software: Adrenalin Edition if desired, but be mindful of temperature implications.

If problems persist, contact XFX customer support or consult the XFX support website for further assistance.

## 8. SPECIFICATIONS

Feature	Specification
Model Name	XFX Mercury AMD Radeon RX 9060XT OC White Gaming Edition
Model Number	RX-96TMERCW9
Graphics Coprocessor	AMD RX 9060 XT
Memory	16 GB GDDR6
Boost Clock	Up to 3320 MHz
Cooling Solution	XFX MERC White Triple Fan
Video Output Interface	DisplayPort, HDMI
Product Dimensions	12.6 x 5 x 0.04 inches (320 x 127 x 1 mm)
Item Weight	3.92 pounds (1.78 kg)
Manufacturer	XFX
Date First Available	June 5, 2025

## 9. WARRANTY AND SUPPORT

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

For technical support, driver downloads, and frequently asked questions, please visit the XFX support website:

