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› **XFX Mercury AMD Radeon RX 9070XT OC Gaming Edition with RGB 16GB GDDR6 Graphics Card User Manual**

XFX RX-97TRGBBBA

XFX Mercury AMD Radeon RX 9070XT OC Gaming Edition Graphics Card User Manual

Model: RX-97TRGBBBA

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your XFX Mercury AMD Radeon RX 9070XT OC Gaming Edition graphics card. Please read this manual thoroughly before installation to ensure proper setup and optimal performance. This graphics card is designed for high-performance computing and gaming, featuring AMD RDNA 4 architecture, 16GB GDDR6 memory, and XFX MERC Triple Fan Cooling with RGB lighting.

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 discharge static electricity, which can damage electronic components.
- Handle the graphics card by its edges to avoid touching sensitive components.
- Ensure adequate ventilation within your computer case to prevent overheating.
- Do not expose the graphics card to moisture or extreme temperatures.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- XFX Mercury AMD Radeon RX 9070XT OC Gaming Edition Graphics Card
- Quick Install Guide

Image: The XFX Mercury AMD Radeon RX 9070XT OC Gaming Edition graphics card shown alongside its retail packaging.

4. SETUP AND INSTALLATION

4.1 Pre-Installation Checks

- **Power Supply:** Ensure your power supply unit (PSU) meets the recommended wattage for the RX 9070 XT. Refer to the specifications section for details.

- **Case Clearance:** Verify that your computer case has sufficient space for the graphics card's dimensions (approximately 14.17 x 6.3 x 0.04 inches).

- **PCIe Slot:** Your motherboard must have an available PCI Express x16 slot.

4.2 Physical Installation

1. Power down your computer and unplug the power cord.

2. Open your computer case.

3. Locate an available PCI Express x16 slot on your motherboard.

4. Remove any expansion slot covers that correspond to the graphics card's size.

5. Carefully align the graphics card with the PCIe slot and press down firmly until it is securely seated.

6. Secure the graphics card to the case with the appropriate screws.

7. Connect the required PCIe power cables from your power supply to the graphics card's power connectors. Refer to your PSU manual for correct cable identification.

8. Close your computer case.

Image: Front view of the graphics card, illustrating the triple fan cooling system and RGB elements, relevant for physical installation and clearance checks.

4.3 Driver Installation

1. Connect your monitor to one of the graphics card's display outputs (HDMI or DisplayPort).

2. Power on your computer.

3. Once the operating system loads, download the latest AMD Radeon drivers from the official AMD website:

4. Follow the on-screen instructions to complete the driver installation. It is recommended to perform a clean installation.

5. OPERATING THE GRAPHICS CARD

5.1 Connecting Displays

The XFX Mercury RX 9070 XT features multiple display outputs:

- 1x HDMI port
- 3x DisplayPort (DP)

Connect your monitor(s) using compatible cables. For optimal performance, especially at high resolutions and refresh rates, DisplayPort is often recommended.

Image: Side view of the graphics card, highlighting the heatsink and overall structure, which can be helpful for understanding airflow and port orientation.

5.2 AMD Software: Adrenalin Edition

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

- Monitor GPU performance and temperatures.
- Adjust game settings and profiles.

- Control RGB lighting effects (if supported by the software).
- Update drivers.

5.3 RGB Lighting Control

The XFX Mercury RX 9070 XT features integrated RGB lighting. Control of these effects is typically managed through the AMD Software: Adrenalin Edition or potentially third-party motherboard RGB synchronization software, depending on your system configuration.

Image: Top view of the graphics card, showcasing the illuminated RGB strip and triple fan design, relevant for aesthetic customization.

6. MAINTENANCE

6.1 Dust Removal

Regularly clean dust from your graphics card and computer case to maintain optimal cooling performance. Use compressed air to gently blow dust out of the heatsink fins and fan blades. Ensure fans are held stationary while cleaning to prevent damage.

6.2 Fan Inspection

Periodically check the fans for any obstructions or unusual noises. If a fan is not spinning or making excessive noise, it may indicate a problem.

7. TROUBLESHOOTING

- **No Display Output:**

  - Ensure the monitor cable is securely connected to both the graphics card and the monitor.
  - Verify that the graphics card is fully seated in the PCIe slot and all power cables are connected.
  - Check if your monitor is set to the correct input source.

- **Driver Issues:**

  - If you experience crashes or graphical anomalies, try reinstalling the latest drivers from the AMD website. Consider using the AMD Cleanup Utility for a clean driver removal before reinstalling.

- **Overheating:**

  - Ensure proper airflow in your computer case.
  - Clean any dust accumulation from the graphics card's heatsink and fans.
  - Monitor temperatures using AMD Software: Adrenalin Edition.

- **Performance Problems:**

  - Verify that your system meets the recommended specifications for the applications or games you are running.
  - Ensure background applications are not consuming excessive system resources.

For further assistance, visit the official AMD support website or the XFX support page.

8. SPECIFICATIONS

Feature	Detail
Chipset	AMD RX 9070 XT
Memory	16 GB GDDR6
Memory Speed	20 GHz
Boost Clock	Up to 3100 MHz
Cooling Solution	XFX MERC Triple Fan
RGB Lighting	Yes
Video Output Interface	1x HDMI, 3x DisplayPort
Max Screen Resolution	3840x2160
Item Model Number	RX-97TRGBBBA
Product Dimensions (LxWxH)	14.17 x 6.3 x 0.04 inches
Item Weight	5.04 pounds

9. WARRANTY AND SUPPORT

XFX products are covered by a limited warranty. Please refer to the warranty information provided with your product or visit the official XFX website for detailed terms and conditions. For technical support, driver downloads, and frequently asked questions, please visit the XFX support portal:

www.xfxforce.com/support

Related Documents - RX-97TRGBBBA

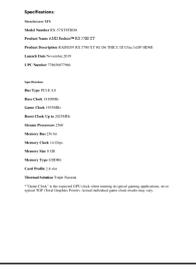[XFX Speedster Series Z Support Bar Installation Guide](#)
Instructions for installing the XFX Speedster Series Z Support Bar, a component designed to protect your GPU and motherboard from vibration and damage.

[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.

[XFX Swift AMD Radeon RX 9060 XT OC Triple Fan 16GB GDDR6 Graphics Card | RX-96TS316B7](#)
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.

[XFX AMD Radeon RX 5700 XT THICC III Ultra Graphics Card Specifications](#)
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.

[XFX Radeon RX 7800 XT Speedster QICK319 Graphics Card](#)
Detailed information about the XFX Radeon RX 7800 XT Speedster QICK319 graphics card by XFX, including its index, manufacturer code, price, and status.

[Karta graficzna XFX SPEEDSTER SWFT210 RADEON RX 7600 - Specyfikacja i Opis](#)
Szczegółowe informacje o karcie graficznej XFX SPEEDSTER SWFT210 RADEON RX 7600, w tym dane techniczne, opis produktu i cena.