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## XFX RX-79GMERCB9

# XFX Radeon RX 7900GRE Gaming Graphics Card User Manual

Model: RX-79GMERCB9

## INTRODUCTION

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This manual provides essential information for the installation, operation, and maintenance of your XFX Radeon RX 7900GRE Gaming Graphics Card. Featuring the AMD RDNA 3 architecture and 16GB GDDR6 memory, this graphics card is designed to deliver high performance for demanding gaming and computing tasks. Please read this manual thoroughly before use to ensure proper functionality and longevity of your product.

## PRODUCT OVERVIEW

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The XFX Radeon RX 7900GRE is a high-performance graphics card equipped with a triple fan cooling solution and a boost clock of up to 2395 MHz. It is built to handle ultra-high frame rates and demanding visual applications.



**Figure 1:** XFX Radeon RX 7900GRE Graphics Card with its retail packaging. The packaging highlights the 7900 GRE model, XFX branding, and AMD Radeon RX 7900 GRE with 16GB memory.



**Figure 2:** Side view of the XFX Radeon RX 7900GRE Graphics Card, showcasing its three cooling fans and the sleek black design. The "RADEON" branding is visible along the side.



**Figure 3:** Rear view of the XFX Radeon RX 7900GRE Graphics Card, displaying the various output ports including DisplayPort and HDMI, essential for connecting to monitors.

## Official Product Video

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**Video 1:** Product Overview. This video provides a visual introduction to the XFX Radeon RX 7900GRE Gaming Graphics Card, showcasing its design and key features, including its easy installation process and powerful gaming performance.

## SETUP

### System Requirements

- PCI Express-compliant motherboard with one x16 graphics slot.
- Minimum 750W power supply (consult specific power requirements for your system configuration).
- Minimum 8GB system memory (16GB recommended).
- Operating System: Windows 10/11 64-bit or Linux 64-bit.
- Internet connection for driver installation.

### Installation Steps

1. **Preparation:** Power off your computer and disconnect all cables. Open your computer case.
2. **Locate PCIe Slot:** Identify an available PCI Express x16 slot on your motherboard.
3. **Remove Slot Cover:** Remove the metal slot cover from the back of your computer case corresponding to the

chosen PCIe slot.

4. **Insert Graphics Card:** Carefully align the graphics card with the PCIe slot and press down firmly until it is securely seated. Ensure the retention clip clicks into place.
5. **Secure Card:** Secure the graphics card to the case with the screw or latch mechanism.
6. **Connect Power:** Connect the necessary PCIe power cables from your power supply to the graphics card. The XFX Radeon RX 7900GRE typically requires two 8-pin PCIe power connectors.
7. **Close Case:** Close your computer case and reconnect all cables.
8. **Install Drivers:** Power on your computer. Once the operating system loads, download and install the latest AMD Radeon drivers from the official AMD website ([www.amd.com/en/support](http://www.amd.com/en/support)).
9. **Restart System:** Restart your computer to finalize the driver installation.

## OPERATING YOUR GRAPHICS CARD

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Once installed and drivers are updated, your XFX Radeon RX 7900GRE is ready for use. This card is optimized for gaming and demanding graphical applications.

- **Gaming:** Experience ultra-high frame rates and stunning visuals in modern games thanks to the AMD RDNA 3 architecture and 16GB GDDR6 memory.
- **Resolution:** Supports up to 8K screen resolution for immersive experiences.
- **Cooling:** The XFX Triple Fan Cooling Solution efficiently dissipates heat, maintaining optimal performance during intense usage.
- **Software:** Utilize the AMD Radeon Software Adrenalin Edition for fine-tuning performance, managing game profiles, and accessing features like AMD FidelityFX Super Resolution (FSR) and Radeon Anti-Lag.

## MAINTENANCE

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Regular maintenance helps ensure the longevity and optimal performance of your graphics card.

- **Dust Removal:** Periodically clean dust from the fans and heatsink using compressed air. Ensure the system is powered off before cleaning.
- **Driver Updates:** Keep your graphics drivers updated to the latest version. AMD frequently releases driver updates that improve performance, stability, and add support for new games.
- **Temperature Monitoring:** Monitor your GPU temperatures using AMD Radeon Software or third-party tools to ensure it operates within safe limits.
- **Airflow:** Ensure good airflow within your PC case to prevent overheating.

## TROUBLESHOOTING

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

- **No Display/Black Screen:**
  - Ensure all power cables are securely connected to the graphics card and power supply.
  - Verify the monitor cable is correctly connected to the graphics card and monitor.
  - Try a different display output port on the graphics card or a different cable.
  - Reseat the graphics card in its PCIe slot.
- **Driver Issues (e.g., Wattman errors, crashes):**

- Perform a clean installation of the latest AMD Radeon drivers. Use a driver uninstaller utility (like DDU) to remove old drivers before installing new ones.
  - Ensure your operating system is up to date.
  - Check for conflicts with other software.
- **Overheating/High Temperatures:**
    - Ensure adequate case airflow and that case fans are functioning correctly.
    - Clean dust from the graphics card fans and heatsink.
    - Verify that the GPU fans are spinning under load.
    - Consider improving your PC case's cooling solution.
- **Performance Issues (Low FPS, stuttering):**
    - Ensure your drivers are up to date.
    - Check in-game graphics settings; reduce settings if necessary.
    - Monitor CPU and GPU utilization to identify bottlenecks.
    - Ensure your power supply provides sufficient wattage.
- **GPU Sag:**
    - For larger cards, GPU sag can occur. Consider using a GPU support bracket to prevent long-term damage to the PCIe slot or the card itself.

## SPECIFICATIONS

Feature	Detail
Brand	XFX
Model Number	RX-79GMERCB9
Graphics Coprocessor	AMD Radeon RX 7900 GRE
Memory	16GB GDDR6
Memory Speed	18 GHz
Boost Clock	Up to 2395 MHz
Max Screen Resolution	8K
Cooling Solution	XFX Triple Fan Cooling Solution
Item Weight	3.74 pounds
Product Dimensions (LxWxH)	13.39 x 5.51 x 0.04 inches
Video Output Interface	DisplayPort, HDMI

## WHAT'S IN THE BOX

- Graphics Card

*Note: Additional accessories such as power cables, documentation, or software may be included depending on the specific retail package.*

## **WARRANTY AND SUPPORT**

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For detailed warranty information and technical support, please refer to the official XFX website or contact XFX customer service directly. Warranty terms and conditions may vary by region and retailer.

You can also visit the official XFX Store on Amazon for more product information and support resources [XFX Amazon Store](#)