

PowerColor RX9070XT 16G-L/OC

PowerColor Hellhound AMD Radeon RX 9070 XT 16GB GDDR6 Graphics Card User Manual

Model: RX9070XT 16G-L/OC

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your PowerColor Hellhound AMD Radeon RX 9070 XT 16GB GDDR6 Graphics Card. Please read these instructions carefully before installation and operation. This graphics card is designed to deliver high-performance visuals for gaming, content creation, and other demanding applications.

2. SAFETY INFORMATION

- Always disconnect power from your computer before installing or removing any components.
- Handle the graphics card by its edges to avoid touching sensitive components.
- Ensure proper grounding to prevent electrostatic discharge (ESD) damage.
- Install the graphics card in a well-ventilated area to prevent overheating.
- Do not attempt to repair the graphics card yourself. Refer to qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- PowerColor Hellhound AMD Radeon RX 9070 XT 16GB GDDR6 Graphics Card
- Quick Installation Guide (if included)
- Graphics card

Unboxing Video

This video provides a detailed unboxing experience for the PowerColor AMD 9070 XT, showcasing its contents and initial presentation.

4. SETUP AND INSTALLATION

4.1 Pre-Installation Checks

- **Power Supply:** Ensure your system has a minimum 800W power supply.
- **PCIe Slot:** Your motherboard must have one available x16 PCI Express compatible slot.
- **System Compatibility:** Compatible with Windows 10/11 (64-bit) and Linux operating systems.
- **Case Clearance:** The card dimensions are 327 * 128 * 49 mm. Ensure your PC case has adequate space.

4.2 Physical Installation

1. Turn off your computer and disconnect the power cord.
2. Open your computer case.
3. Locate an available PCIe x16 slot on your motherboard.
4. Remove any expansion slot covers that may obstruct the graphics card.
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 screws.
7. Connect the two 8-pin PCI Express power connectors from your power supply to the graphics card.
8. Close your computer case and reconnect the power cord.



Front view of the PowerColor Hellhound RX 9070 XT graphics card, showing its triple-fan cooling system.



Angled front view of the graphics card, highlighting the fan design and shroud.



Side view of the graphics card, showing the thickness and heatsink.



Back view of the graphics card, featuring the reinforced metal backplate and Hellhound logo.

4.3 Driver Installation

- Power on your computer.
- Download the latest AMD Radeon drivers from the official AMD website (www.amd.com/en/support).
- Follow the on-screen instructions to complete the driver installation.

5. OPERATING INSTRUCTIONS

5.1 Connecting Displays

The PowerColor Hellhound RX 9070 XT features the following display outputs:

- 1 x HDMI 2.1
- 3 x DisplayPort 2.1

Connect your monitor(s) to the appropriate ports on the graphics card. The card supports multiple displays simultaneously.



Close-up view of the display output ports on the graphics card, including HDMI and DisplayPort.

5.2 Dual BIOS Mode

The graphics card features a Dual BIOS switch, allowing you to choose between an Overclock (OC) mode for maximum performance or a Silent mode for reduced noise levels.

- **OC Mode:** Provides higher clock speeds for enhanced gaming performance.
- **Silent Mode:** Optimizes fan speeds for quieter operation, ideal for less demanding tasks or noise-sensitive environments.

The BIOS switch is located on the side of the graphics card. Ensure your system is powered off before changing the BIOS mode.



Illustration of the Dual BIOS switch, allowing selection between OC and Silent modes.

5.3 Power Connector LEDs

The graphics card features LED indicators next to the 8-pin power connectors. These LEDs illuminate to confirm correct power cable connection. If an LED is red, it indicates an incorrect connection.

5.4 Overview Videos

This video provides a comprehensive overview of the PowerColor Hellhound 9070 XT, covering its features and performance.

A detailed overview of the PowerColor Hellhound Radeon 9070 XT, highlighting its design and capabilities.

A closer look at the Radeon PowerColor AMD Graphics Card, detailing its physical attributes and features.

An honest opinion and review of the graphic card's performance and features.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your graphics card.

- **Cleaning:** Periodically clean the fans and heatsink to remove dust buildup. Use compressed air for best results. Ensure the system is powered off before cleaning.
- **Driver Updates:** Keep your graphics drivers updated to the latest version from the AMD website to ensure optimal performance and compatibility with new games and applications.



Illustration of the high-quality Japanese dual ball bearings used in the fans for enhanced durability and lifespan.



Diagram showcasing the high-efficiency ring blade fans designed for improved airflow and reduced noise.

7. TROUBLESHOOTING

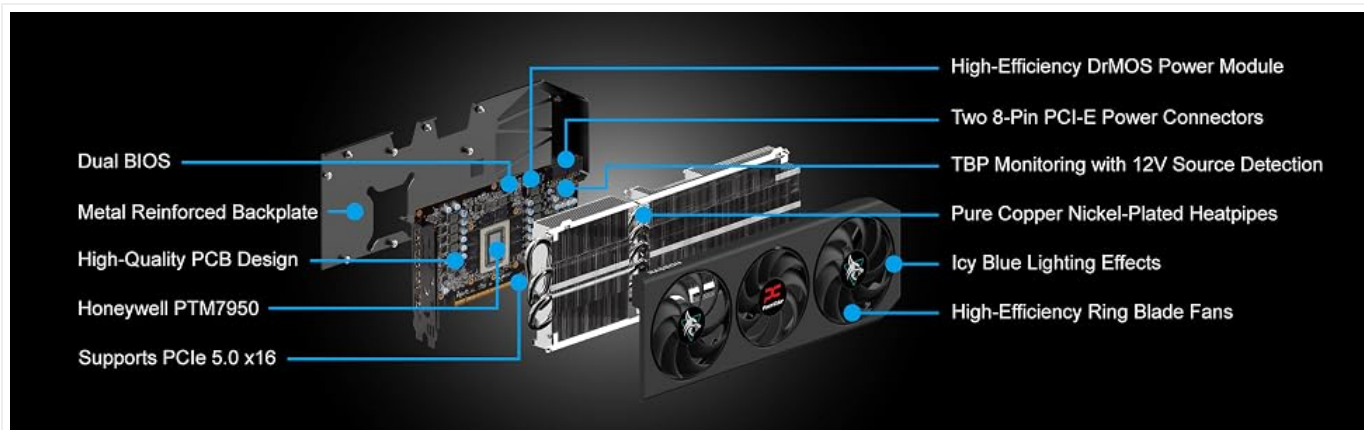
If you encounter issues with your graphics card, refer to the following common troubleshooting steps:

- **No Display:** Ensure the graphics card is properly seated in the PCIe slot and all power connectors are securely attached. Check your monitor's input source.
- **Performance Issues:** Update your graphics drivers. Check the BIOS switch setting (OC mode for higher performance). Monitor system temperatures to ensure the card is not overheating.
- **Overheating:** Ensure adequate airflow in your PC case. Clean dust from the heatsink and fans. Verify fan operation.
- **Power Connector LEDs:** If a power connector LED is red, re-seat the corresponding power cable.

8. SPECIFICATIONS

Below are the detailed specifications for the PowerColor Hellhound AMD Radeon RX 9070 XT 16GB GDDR6 Graphics Card:

Feature	Specification
Graphics Coprocessor	AMD Radeon RX 9070 XT
Graphics Card RAM Size	16 GB GDDR6
Memory Speed	20 GHz
GPU Clock Speed	2460 MHz
Max Screen Resolution	7680x4320
Display Connectors	1 x HDMI 2.1, 3 x DisplayPort 2.1
Power Connector	Two 8-pin PCI Express Power Connector
Minimum System Power	800W
Internal Card Length	327 mm
Card Dimensions (LxWxH)	327 x 128 x 49 mm (13.39 x 5.59 x 0.1 inches)
Item Weight	2.68 pounds
Color	Black



Exploded diagram illustrating key features such as DrMOS Power Module, Dual BIOS, Reinforced Metal Backplate, and Optimum Heatpipe Arrangement.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please visit the official PowerColor website or contact their customer service.
Official Site & Services/Support: [PowerColor Support](#)

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