

## EVGA 06G-P4-4998-KR

# EVGA GeForce GTX 980 Ti CLASSIFIED Graphics Card User Manual

Model: 06G-P4-4998-KR

## 1. INTRODUCTION

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This manual provides essential information for the installation, operation, and maintenance of your EVGA GeForce GTX 980 Ti CLASSIFIED graphics card. This high-performance graphics card is designed to deliver advanced visual experiences, supporting resolutions up to 4K and virtual reality applications.

Key features include:

- NVIDIA Maxwell architecture for high performance.
- 6GB GDDR5 memory and 2816 CUDA Cores.
- EVGA ACX 2.0+ cooling technology for efficient heat dissipation and quiet operation.
- Support for DirectX 12.
- Integrated backplate for structural rigidity and additional cooling.

## 2. SAFETY INFORMATION

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Please read and follow these safety guidelines to prevent damage to your system or injury:

- Ensure your power supply unit (PSU) provides a minimum of 600 Watts.
- Verify that your PSU has two available 8-pin or 6+2pin PCI-E power connectors.
- Always power off your computer and disconnect it from the power outlet before installing or removing any components.
- Discharge static electricity from your body by touching a grounded metal object before handling the graphics card.
- Handle the graphics card by its edges to avoid touching sensitive components.

## 3. PACKAGE CONTENTS

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Your EVGA GeForce GTX 980 Ti CLASSIFIED package should contain the following items:

- EVGA GeForce GTX 980 Ti CLASSIFIED Graphics Card
- DVI to VGA Adapter (may vary by region)
- PCI-E Power Cables (if required for your PSU)
- Driver CD / Quick Installation Guide (or refer to EVGA website for latest drivers)



Figure 3.1: EVGA GeForce GTX 980 Ti CLASSIFIED Graphics Card with its retail packaging.



Figure 3.2: Included accessories: DVI adapter and two 6-pin to 8-pin PCI-E power adapter cables.

## 4. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	06G-P4-4998-KR
Graphics Processor	NVIDIA GeForce GTX 980 Ti
CUDA Cores	2816
Memory Size	6GB GDDR5
Memory Clock	7010 MHz Effective
Base Clock	1190 MHz
Boost Clock	1291 MHz
Max Digital Resolution	4096x2160

Feature	Specification
Video Output Interface	DVI-I, DisplayPort (x3), HDMI
Recommended PSU	600W or greater
Power Connectors	Two 8-pin PCI-E
Dimensions (LxWxH)	11 x 1.5 x 5.94 inches
Item Weight	3 pounds

## 5. INSTALLATION GUIDE

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Follow these steps to properly install your EVGA GeForce GTX 980 Ti CLASSIFIED graphics card into your computer system.

- 1. Prepare Your System:** Power off your computer completely and unplug the power cord from the wall outlet. Open your computer case.
- 2. Locate PCIe Slot:** Identify an available PCI Express x16 slot on your motherboard. This is typically the longest slot.
- 3. Remove Slot Covers:** Remove the necessary expansion slot covers from the back of your computer case that correspond to the PCIe slot you will use. This card typically requires two or three slots.
- 4. Insert Graphics Card:** Carefully align the graphics card with the PCIe slot. Apply even pressure to both ends of the card until it is fully seated in the slot. You should hear a click as the retention clip engages.



Figure 5.1: Top view of the EVGA GeForce GTX 980 Ti CLASSIFIED graphics card, showing its dual-fan cooler.

5. **Secure the Card:** Use screws to secure the graphics card to the computer case at the expansion slot bracket.
6. **Connect Power Cables:** Connect two 8-pin PCI-E power connectors from your power supply to the corresponding ports on the top edge of the graphics card. Ensure a secure connection. If your PSU only has 6-pin connectors, use the provided 6-pin to 8-pin adapters.



Figure 5.2: Rear view of the graphics card, highlighting the backplate and power connector locations.

- 7. Close Case and Reconnect:** Close your computer case, plug the power cord back into the wall outlet, and connect your display cable(s) to the graphics card.
- 8. Install Drivers:** Power on your computer. Once the operating system loads, install the latest graphics drivers from the official EVGA or NVIDIA website. This is crucial for optimal performance and stability.

## 6. OPERATION

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### 6.1 Display Connections

The EVGA GeForce GTX 980 Ti CLASSIFIED graphics card supports multiple display outputs. Connect your monitor(s) to the available ports:

- **DisplayPort:** For high-resolution and high-refresh-rate monitors.
- **HDMI:** For connecting to TVs or monitors with HDMI input.
- **DVI-I:** For digital and analog display connections.



Figure 6.1: Rear panel showing the DVI, HDMI, and DisplayPort outputs.

## 6.2 Driver Installation

After physical installation, it is critical to install the correct drivers. Visit the official EVGA website ([www.evga.com/support/download/](http://www.evga.com/support/download/)) or NVIDIA's driver download page to download and install the latest drivers for your GeForce GTX 980 Ti. Always use the most current drivers for optimal performance and compatibility.

## 6.3 Software and Utilities

EVGA provides software utilities such as EVGA PrecisionX for monitoring and fine-tuning your graphics card's performance, including fan control and overclocking. Refer to the EVGA website for more information and downloads.

## 7. CARE AND MAINTENANCE

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Proper care can extend the lifespan and maintain the performance of your graphics card:

- **Keep it Clean:** Periodically clean dust from the fans and heatsink using compressed air. Ensure the computer is powered off and unplugged before cleaning.
- **Ensure Airflow:** Make sure your computer case has adequate airflow to prevent overheating. Keep vents clear of obstructions.
- **Driver Updates:** Regularly update your graphics drivers to benefit from performance improvements and bug fixes.
- **Monitor Temperatures:** Use monitoring software (like EVGA PrecisionX) to keep an eye on GPU temperatures, especially during heavy loads.

## 8. TROUBLESHOOTING

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

- **No Display Output:**
  - Ensure the graphics card is fully seated in the PCIe slot.
  - Verify that all PCI-E power cables are securely connected to the card and the power supply.
  - Check that your monitor cable is securely connected to the graphics card and the monitor.
  - Test with a different display cable or monitor if possible.
  - Ensure your monitor is set to the correct input source.
- **System Instability or Crashes:**
  - Ensure you have the latest graphics drivers installed from EVGA or NVIDIA.
  - Check GPU temperatures using monitoring software; overheating can cause instability.
  - Verify your power supply meets the recommended 600W minimum.
  - If overclocking, try reverting to default clock speeds.
- **Poor Performance in Games/Applications:**
  - Ensure the latest drivers are installed.
  - Check in-game settings; reduce demanding options if necessary.
  - Monitor GPU usage and temperatures to identify bottlenecks or thermal throttling.
- **HDMI Port Issues (e.g., with VR Headsets):**
  - If experiencing issues with HDMI output, particularly with VR headsets, try using a DisplayPort connection if available on your device. Some specific HDMI ports may exhibit compatibility issues with certain devices.
  - Ensure the HDMI cable is fully compliant with the required specifications for your device.

## 9. WARRANTY AND SUPPORT

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EVGA provides comprehensive technical support for its products. For warranty information, technical assistance, or to register your product, please visit the official EVGA website.

- **EVGA Support Website:** [www.evga.com/support/](http://www.evga.com/support/)

- **24/7 Technical Support:** EVGA offers round-the-clock technical support to assist with any product-related inquiries.

Please retain your proof of purchase for warranty claims.