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EVGA 01G-P4-2751-KR

EVGA GeForce GTX 750 Graphics Card User Manual

Model: 01G-P4-2751-KR | Brand: EVGA

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1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your EVGA GeForce GTX 750 Graphics Card. The EVGA GeForce GTX 750 is designed to enhance your computing experience with powerful, ultra-efficient next-generation architecture. It offers improved performance and power efficiency compared to previous generation cards, supporting NVIDIA GameStream, G-SYNC, and GeForce Experience technologies.



Figure 1.1: The EVGA GeForce GTX 750 Graphics Card shown with its retail packaging. This image provides an overview of the product's appearance and branding.

2. SETUP AND INSTALLATION

2.1. What's in the Box

Before beginning installation, ensure all components are present in the package:

- EVGA GeForce GTX 750 Graphics Card
- Driver Installation Disc
- User Manual / Quick Start Guide
- DVI to VGA Adapter (may vary by region/bundle)



Figure 2.1: Typical contents found within the EVGA GeForce GTX 750 retail box. This includes the graphics card, documentation, and a driver disc.

2.2. Physical Installation

- 1. Prepare Your System:** Power off your computer and disconnect all cables. Open the computer case.
- 2. Locate PCIe Slot:** Identify an available PCI Express x16 slot on your motherboard.
- 3. Remove Old Card (if applicable):** If replacing an existing graphics card, carefully remove it.
- 4. Insert Graphics Card:** Align the EVGA GeForce GTX 750 with the PCIe slot and press down firmly until it is securely seated. Ensure the retention clip (if present) locks into place.
- 5. Secure the Card:** Fasten the card to the computer case with the appropriate screw(s).



Figure 2.2: An angled view of the EVGA GeForce GTX 750 graphics card, highlighting its compact design and single fan. This perspective is useful for understanding its physical dimensions during installation.



Figure 2.3: A top-down view of the EVGA GeForce GTX 750, showing the heatsink and fan assembly. This view can assist in identifying clearance requirements within a PC case.

2.3. Connecting to a Display

Connect your monitor(s) to the appropriate output ports on the graphics card. The EVGA GeForce GTX 750 typically includes Dual-Link DVI-I, HDMI, and DisplayPort outputs.

- **DVI:** For digital displays. A DVI to VGA adapter may be used for older analog VGA monitors.
- **HDMI:** For high-definition displays, often carrying both video and audio.
- **DisplayPort:** A versatile digital display interface.



Figure 2.4: The rear input/output panel of the graphics card, featuring DisplayPort, HDMI, and DVI-I connectors for various display types.



Figure 2.5: A DVI to VGA adapter, which can be used to connect a VGA monitor to the DVI-I port on the graphics card.

2.4. Driver Installation

After physical installation, power on your computer. The operating system may install a basic driver, but for full functionality and optimal performance, install the latest drivers:

1. Insert the provided driver installation disc into your optical drive.
2. Alternatively, download the latest drivers directly from the official EVGA or NVIDIA website for your specific operating system.
3. Follow the on-screen instructions to complete the driver installation.
4. Restart your computer after installation is complete.

3. OPERATING YOUR GRAPHICS CARD

3.1. Display Settings

Once drivers are installed, you can configure your display settings through your operating system's display options or the NVIDIA Control Panel. This allows you to adjust resolution, refresh rate, and multi-monitor setups.

3.2. NVIDIA GeForce Experience

NVIDIA GeForce Experience is a companion application that optimizes your game settings, updates drivers, and allows you to capture and share gameplay videos. It is recommended to install this software for the best gaming experience.

3.3. G-SYNC Technology

If you have a G-SYNC compatible monitor, enable G-SYNC in the NVIDIA Control Panel to synchronize your display's refresh rate with the GPU's frame rate, eliminating screen tearing and minimizing display stutter and input lag.

4. MAINTENANCE

4.1. Driver Updates

Regularly check for and install the latest graphics drivers from the EVGA or NVIDIA website. Driver updates often include performance improvements, bug fixes, and support for new games and applications.

4.2. Cleaning

Periodically clean the graphics card to ensure optimal cooling performance. With the computer powered off and unplugged:

- Use compressed air to remove dust from the fan blades and heatsink fins.
- Ensure the fan is not spinning while applying compressed air to prevent damage.
- Avoid touching the circuit board components directly.

5. TROUBLESHOOTING

5.1. Common Issues and Solutions

- **No Display Output:**

- Ensure the graphics card is fully seated in the PCIe slot.
- Verify that the display cable is securely connected to both the graphics card and the monitor.
- Check if your monitor is set to the correct input source.
- Confirm that your power supply unit (PSU) meets the recommended 400W or greater requirement.

- **Driver Installation Problems:**

- Download the latest drivers from the official EVGA or NVIDIA website.

- Uninstall any previous graphics drivers using a utility like Display Driver Uninstaller (DDU) before attempting a fresh installation.

- **Poor Performance in Games/Applications:**

- Ensure you have the latest graphics drivers installed.
- Check in-game settings; reduce resolution or graphics quality if necessary.
- Monitor GPU temperatures to ensure the card is not overheating.
- Verify that your system's CPU and RAM are not bottlenecking the graphics card.

- **Fan Noise:**

- Ensure the fan is free of dust and obstructions.
- Check fan speed settings in the NVIDIA Control Panel or third-party utilities.

6. SPECIFICATIONS

Feature	Detail
Model Number	01G-P4-2751-KR
Graphics Coprocessor	Nvidia GeForce
Chipset Brand	NVIDIA
Card Description	GeForce GTX 750
Graphics Card RAM Size	1 GB GDDR5
Memory Clock	5012 MHz Effective
Memory Bit Width	128 Bit
Memory Speed	0.4ns
Memory Bandwidth	80 GB/s
CUDA Cores	512
Base Clock	1020 MHz
Boost Clock	1085 MHz
Max Screen Resolution	2560x1600
Video Output Interface	DVI, DisplayPort, HDMI
Recommended PSU	400W or greater
Item Weight	13.6 ounces
Product Dimensions (LxWxH)	6.7 x 1.5 x 4.38 inches

7. WARRANTY & SUPPORT

EVGA provides comprehensive technical support for its products. For assistance with your EVGA GeForce GTX 750 Graphics Card, please refer to the following:

- **Technical Support:** EVGA offers 24/7 technical support. Please visit the official EVGA website for contact information and support resources.
- **Warranty Information:** Details regarding your product's warranty coverage can be found on the EVGA website or within the documentation included with your product. Keep your proof of purchase for warranty claims.

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