EVGA 04G-P4-1057-KR

EVGA GeForce GTX 1650 SC Ultra Gaming Graphics Card User Manual

Model: 04G-P4-1057-KR | Brand: EVGA

1. INTRODUCTION AND OVERVIEW

The EVGA GeForce GTX 16-series graphics cards are powered by the all-new NVIDIA Turing architecture to deliver incredible new levels of gaming realism, speed, power efficiency, and immersion. The EVGA GeForce GTX 1650 SC Ultra Gaming card provides an optimized gaming experience with next-generation graphics performance, efficient cooling, and advanced overclocking features via the EVGA Precision X1 software.

2. PACKAGE CONTENTS

Ensure all items are present before proceeding with installation.

- EVGA GeForce GTX 1650 SC Ultra Gaming Graphics Card

3. KEY FEATURES

- **Boost Clock:** 1860 MHz for enhanced performance.
- **NVIDIA Turing Architecture:** Experience new levels of gaming realism, speed, power efficiency, and immersion.
- **Dual Fans:** Designed for higher performance cooling and low acoustic noise.
- **CUDA Cores:** 896 CUDA Cores for parallel processing power.
- **EVGA Precision X1 Software:** Utilize EVGA's tuning utility to monitor and overclock your graphics card. Avoid using unofficial software for overclocking.
- **Metal Backplate:** Provides structural rigidity and aesthetic appeal.

4. SETUP AND INSTALLATION

Before installation, ensure your system meets the minimum power supply requirements and has an available PCI Express x16 slot. Always power off your computer and disconnect the power cable before opening the case.

4.1 Physical Installation

1. **Prepare Your System:** Power down your computer and unplug all cables. Open your computer case.
2. **Locate PCI Express Slot:** Identify an available PCI Express x16 slot on your motherboard.

3. **Remove Slot Covers:** Remove the necessary slot covers from the back of your computer case to accommodate the graphics card.

4. **Insert Graphics Card:** Carefully align the graphics card with the PCI Express x16 slot and press down firmly until it is securely seated. Ensure the retention clip on the motherboard engages.

5. **Secure the Card:** Use screws or the case's locking mechanism to secure the graphics card to the computer case.

6. **Connect Power (if applicable):** This model may not require additional power connectors. Refer to your specific card's requirements. If needed, connect the appropriate PCI-E power cable(s) from your power supply to the graphics card.

7. **Close Case:** Close your computer case and reconnect all cables.

4.2 Driver Installation

1. **Power On:** Connect your monitor to one of the graphics card's output ports (DisplayPort or HDMI) and power on your computer.

2. **Download Drivers:** Visit the official EVGA or NVIDIA website to download the latest drivers for your GeForce GTX 1650 SC Ultra Gaming card.

3. **Install Drivers:** Follow the on-screen instructions to install the drivers. A system restart may be required.

4. **Verify Installation:** After restarting, you can verify the driver installation through your operating system's device manager or the NVIDIA Control Panel.

Figure 1: Front view of the EVGA GeForce GTX 1650 SC Ultra Gaming Graphics Card, highlighting the dual fan design.

Figure 2: Angled view of the graphics card, showing the cooling shroud and fans.

5. OPERATING THE GRAPHICS CARD

Once installed and drivers are up-to-date, your graphics card is ready for use. For optimal performance and customization, utilize the EVGA Precision X1 software.

5.1 EVGA Precision X1 Software

- **Monitoring:** Track GPU temperature, clock speeds, fan speeds, and power consumption in real-time.
- **Overclocking:** Adjust core clock, memory clock, and voltage settings to enhance performance. Proceed with caution when overclocking.
- **Fan Control:** Customize fan curves for optimal cooling and noise levels.
- **OSD (On-Screen Display):** Monitor system stats directly in your games.

6. MAINTENANCE

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

- **Dust Cleaning:** Periodically clean dust from the fans and heatsink using compressed air. Ensure the system is powered off and unplugged.
- **Driver Updates:** Keep your graphics drivers updated to benefit from performance improvements, bug fixes, and new features.
- **Temperature Monitoring:** Use monitoring software to keep an eye on GPU temperatures, especially during heavy loads, to prevent overheating.

7. TROUBLESHOOTING

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

- **No Display:** Ensure the monitor cable is securely connected to the graphics card and the monitor is set to the correct input. Verify the graphics card is fully seated in the PCI Express slot.
- **Driver Issues:** Reinstall the latest drivers from the official EVGA or NVIDIA website. Try performing a clean installation of the drivers.
- **Overheating:** Check for proper airflow in your PC case. Ensure graphics card fans are spinning. Clean any dust buildup.
- **Performance Problems:** Ensure your system meets the game's minimum requirements. Check for background applications consuming resources. Update game patches.
- **System Instability:** If overclocking, revert to default settings. Ensure your power supply is sufficient for your system components.

8. SPECIFICATIONS

Feature	Specification
Model Number	04G-P4-1057-KR
Graphics Coprocessor	NVIDIA GeForce GTX 1650
Graphics Card RAM Size	4 GB GDDR5
Boost Clock	1860 MHz
CUDA Cores	896
Max Screen Resolution	4K (3840 x 2160 pixels)
Video Output Interface	DisplayPort, HDMI
Item Weight	1.3 pounds
Product Dimensions	8 x 6.75 x 4.4 inches
Manufacturer	EVGA
Date First Available	May 15, 2019

Figure 3: Rear view of the graphics card showing DisplayPort and HDMI outputs.

Figure 4: Backplate of the graphics card, featuring the GeForce GTX 1650 branding.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official EVGA website or contact their customer service. Keep your proof of purchase for warranty claims.