

EVGA 08G-P5-3755-KL

EVGA GeForce RTX 3070 XC3 Ultra Gaming Graphics Card User Manual

Model: 08G-P5-3755-KL

1. INTRODUCTION

This manual provides essential information for the installation, operation, maintenance, and troubleshooting of your EVGA GeForce RTX 3070 XC3 Ultra Gaming graphics card. Please read this manual thoroughly before installation to ensure proper setup and optimal performance.

The EVGA GeForce RTX 3070 XC3 Ultra Gaming is a high-performance graphics card designed for advanced gaming and creative applications. It features 8GB of GDDR6 memory, iCX3 Cooling, ARGB LED lighting, and a durable metal backplate.

2. SETUP AND INSTALLATION

2.1. Package Contents

- EVGA GeForce RTX 3070 XC3 Ultra Gaming Graphics Card

2.2. System Requirements

- PCI Express-compliant motherboard with one dual-width x16 graphics slot
- Minimum 650W or greater power supply with two 8-pin PCIe power connectors
- Microsoft Windows 10 64-bit or Linux 64-bit operating system
- 1.5GB of available hard-disk space
- 8GB system memory (16GB recommended)

2.3. Physical Installation

1. Turn off your computer and disconnect the power cable.
2. Open your computer case.
3. Locate an available PCI Express x16 slot on your motherboard. Ensure there is sufficient space for the card's dimensions (approximately 11.23 x 4.38 x 1.66 inches).



Image: Top-down view of the EVGA GeForce RTX 3070 XC3 Ultra Gaming graphics card, illustrating its physical dimensions.

4. Remove any existing graphics card or slot covers.
5. Carefully insert the EVGA GeForce RTX 3070 into the PCIe x16 slot until it is securely seated.
6. Secure the graphics card to the chassis with the appropriate screws.
7. Connect two 8-pin PCIe power connectors from your power supply to the graphics card.
8. Close your computer case and reconnect the power cable.

2.4. Driver Installation

1. Power on your computer.
2. Download the latest NVIDIA drivers for your GeForce RTX 3070 from the official NVIDIA website (www.nvidia.com/drivers).
3. Follow the on-screen instructions to complete the driver installation.
4. Restart your computer after the installation is complete.

3. OPERATING THE GRAPHICS CARD

3.1. Key Features

- **Real Boost Clock:** 1770 MHz
- **Memory:** 8192 MB GDDR6
- **Cooling:** iCX3 Cooling system with multiple fans for efficient heat dissipation.
- **ARGB LED:** Adjustable RGB lighting for customization.
- **Metal Backplate:** Enhances structural rigidity and aids in cooling.
- **Real-Time RAY TRACING:** Delivers hyper-realistic graphics in supported games.

- **NVIDIA DLSS:** Deep Learning Super Sampling for AI-powered performance boost.
- **NVIDIA G-SYNC:** Provides a smooth, tear-free gaming experience.
- **VR Ready:** Optimized for virtual reality applications.

3.2. Connectivity

The graphics card features multiple display outputs for connecting to monitors and other display devices:

- 3 x DisplayPort 1.4a
- 1 x HDMI 2.1



Image: Side view of the graphics card showing the DisplayPort and HDMI outputs.

3.3. Software and Optimization

- **NVIDIA GeForce Experience:** Optimize game settings, update drivers, and capture gameplay.
- **NVIDIA GPU Boost:** Dynamically maximizes clock speeds based on workload and temperature.
- **Game Ready Drivers:** Ensure optimal performance and the best possible gaming experience from the moment you launch your games.

Important: Avoid using unofficial software for driver updates or system optimization, as this may lead to instability or damage.

4. MAINTENANCE

- **Cleaning:** Periodically clean the fans and heatsink with compressed air to remove dust buildup. Ensure the computer is powered off and unplugged before cleaning.
- **Driver Updates:** Regularly check the official NVIDIA website for the latest graphics drivers to ensure optimal performance and compatibility.
- **Temperature Monitoring:** Use monitoring software to keep track of your GPU's temperature, especially during heavy loads, to prevent overheating.

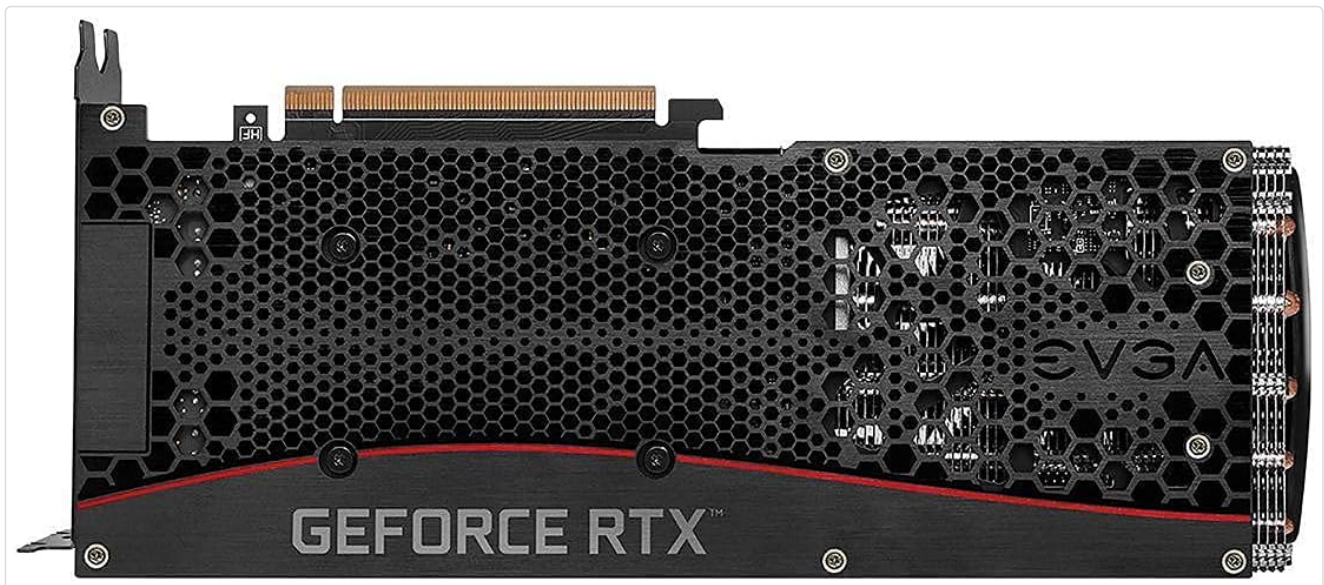


Image: Rear view of the graphics card, showing the metal backplate which aids in cooling and structural integrity.

5. TROUBLESHOOTING

5.1. No Display Output

- Ensure the graphics card is fully seated in the PCIe slot.
- Verify that all PCIe power connectors are securely attached to the graphics card.
- Check that your monitor cable is correctly connected to the graphics card and the monitor.
- Try a different display output port on the graphics card or a different cable.

5.2. System Instability or Crashes

- Ensure you have the latest official NVIDIA drivers installed.
- Check your power supply wattage to ensure it meets the minimum requirement (650W recommended).
- Monitor GPU temperatures to ensure it's not overheating.
- Verify that your system's BIOS/UEFI is up to date.

5.3. Poor Performance in Games

- Ensure your game settings are appropriate for your system and monitor resolution.
- Confirm that the latest graphics drivers are installed.

- Check for background applications consuming system resources.
- Enable NVIDIA DLSS in supported games for improved frame rates.

6. SPECIFICATIONS

Feature	Specification
Graphics Coprocessor	NVIDIA GeForce RTX 3070
Brand	EVGA
Model Number	08G-P5-3755-KL
Graphics RAM Size	8 GB GDDR6
Memory Speed	14000 MHz
Real Boost Clock	1770 MHz
Max Screen Resolution	2560 x 1440 (Recommended for optimal performance)
Video Output Interface	3 x DisplayPort 1.4a, 1 x HDMI 2.1
Item Weight	3.08 pounds
Product Dimensions (LxWxH)	11.23 x 4.38 x 1.66 inches
Chipset Brand	NVIDIA
Computer Memory Type	GDDR6

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official EVGA website or contact their customer service. The product typically includes a return policy of 30 days for refund or replacement, subject to retailer terms and conditions.

Manufacturer: EVGA

For further assistance, visit the [EVGA Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

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you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question