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EVGA 10G-P5-3897-KR

EVGA GeForce RTX 3080 FTW3 ULTRA GAMING Graphics Card User Manual

Introduction

This manual provides essential information for the installation, operation, and maintenance of your EVGA GeForce RTX 3080 FTW3 ULTRA GAMING graphics card. Please read this guide thoroughly before proceeding with installation to ensure proper setup and optimal performance.



Image: The EVGA GeForce RTX 3080 FTW3 ULTRA GAMING graphics card shown alongside its retail packaging.

Product Overview

The EVGA GeForce RTX 3080 FTW3 ULTRA GAMING is a high-performance graphics card designed for demanding computing tasks and gaming. It incorporates advanced cooling technology and customizable lighting.

- **Real Boost Clock:** 1800 MHz for enhanced performance.
- **Memory:** 10240 MB GDDR6X for high-speed data processing.
- **Ray Tracing:** Supports real-time ray tracing for advanced graphics rendering.
- **Cooling:** Triple HDB fans provide efficient and quiet cooling.
- **Construction:** Features an all-metal backplate for structural integrity and heat dissipation.
- **Lighting:** Adjustable ARGB LED lighting for personalization.



Image: Front view of the graphics card, highlighting the triple fan design.



Image: Top view of the graphics card, displaying the customizable ARGB lighting.



Image: Rear view of the graphics card, featuring the protective metal backplate.

Setup and Installation

System Requirements

- **Power Supply:** A minimum 750 Watt power supply is recommended.
- **Power Connectors:** Requires three 8-pin PCIe power connectors. Ensure your power supply has sufficient connectors and dedicated cables.
- **Physical Space:** The card has dimensions of approximately 12 x 6 x 0.04 inches. Verify your computer case has adequate clearance.
- **PCIe Slot:** Requires one available PCI Express x16 slot on your motherboard.

Physical Installation

1. **Preparation:** Power off your computer and disconnect all cables. Open your computer case.
2. **Slot Access:** Remove any expansion slot covers that obstruct the PCIe x16 slot.
3. **Card Insertion:** Carefully align the graphics card with the PCIe x16 slot and press down firmly until it is securely seated.
4. **Secure Card:** Fasten the graphics card to the case using the retention screw(s).
5. **Power Connection:** Connect all three 8-pin PCIe power cables from your power supply to the corresponding ports on the graphics card.
6. **Support Bracket (Optional):** If included or desired, install the anti-sag bracket to provide additional support for the card.

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Installation Guide

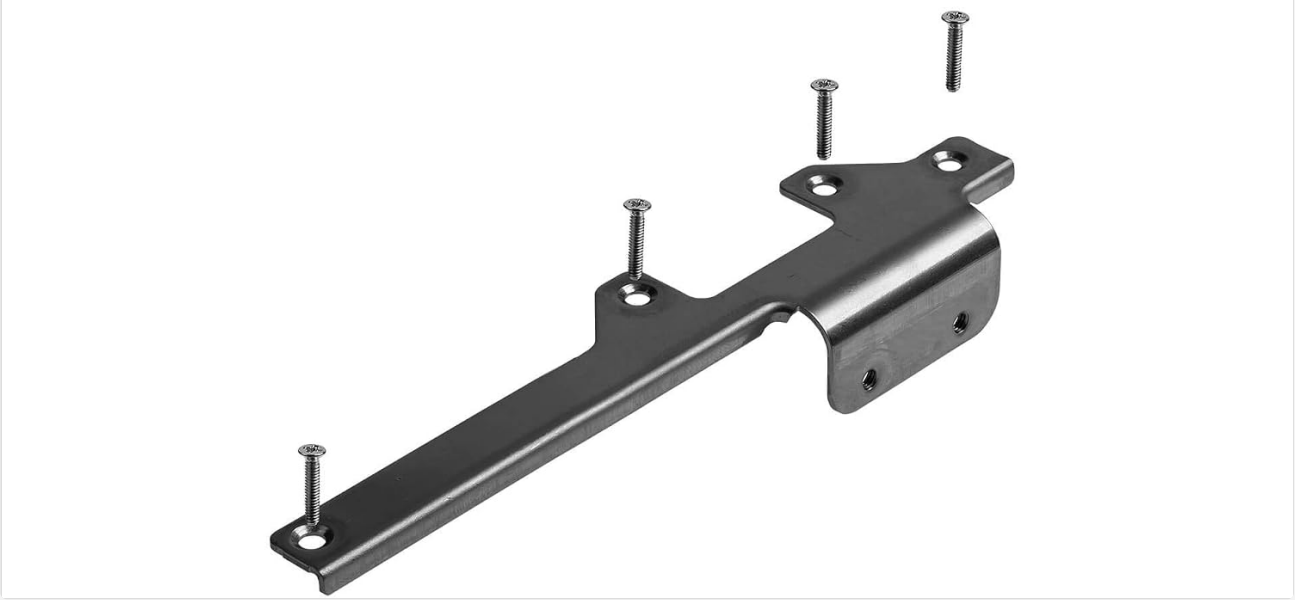


Image: Installation guide components, including a metal support bracket.





Image: Display output ports on the graphics card.

Driver Installation

After physical installation, connect your display and power on your computer. Download and install the latest graphics drivers from the official NVIDIA or EVGA website. This step is crucial for optimal performance and stability.

Operating Instructions

Software Control

Utilize EVGA's Precision X1 software to monitor your graphics card, adjust fan curves, and customize the ARGB LED lighting effects. This software allows for fine-tuning performance and aesthetics.

Thermal Management

The triple HDB fan design provides effective cooling. Ensure your computer case has good airflow to facilitate heat dissipation from the graphics card, especially during intensive operations. Monitor temperatures using software like EVGA Precision X1 to ensure the card operates within safe thermal limits.

Maintenance

- **Dust Removal:** Regularly clean dust from the graphics card fans and heatsink using compressed air. Ensure the computer is powered off and unplugged before cleaning.
- **Airflow:** Maintain good airflow within your computer case by ensuring cables are managed and case fans are functioning correctly.
- **Driver Updates:** Keep your graphics drivers updated to benefit from performance improvements and bug fixes.

Troubleshooting

- **No Display Output:** Verify all power cables are securely connected to the graphics card and the power supply. Ensure the display cable is connected to the graphics card, not the motherboard.
- **Performance Issues:** Check that the latest drivers are installed. Monitor temperatures to ensure the card is not overheating. Confirm your power supply meets the recommended wattage.
- **System Instability/Crashes:** Ensure the graphics card is properly seated in the PCIe slot. Check power connections. Consider testing with a different power supply if issues persist.
- **ARGB Not Functioning:** Ensure EVGA Precision X1 software is installed and running. Check software settings for ARGB control.

Specifications

Feature	Detail
Model Number	10G-P5-3897-KR
Graphics Coprocessor	NVIDIA GeForce RTX 3080
Memory	10 GB GDDR6X
Memory Speed	19000 MHz
Real Boost Clock	1800 MHz
Max Screen Resolution	3840x2160
Item Weight	3.96 pounds
Product Dimensions (LxWxH)	12 x 6 x 0.04 inches
Hardware Platform	EVGA

What's in the Box

- Graphic card

Warranty and Support

EVGA products typically come with a manufacturer's warranty. For specific warranty terms, registration, and technical support, please refer to the official EVGA website or contact their customer service directly. Keeping your proof of purchase is recommended for warranty claims.

For the most current support resources, drivers, and software, visit the official EVGA support page: www.evga.com/support

Important 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.
- Use proper anti-static precautions (e.g., anti-static wrist strap) to prevent electrostatic discharge (ESD) damage.
- Ensure adequate ventilation within your computer case to prevent overheating.
- Do not attempt to modify or repair the graphics card yourself, as this may void the warranty and cause damage.

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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.

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