ZOTAC ZT-B50600H-10M

ZOTAC Gaming GeForce RTX 5060 Twin Edge OC Graphics Card User Manual

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your ZOTAC Gaming GeForce RTX 5060 Twin Edge OC graphics card. Designed for high-performance gaming, this card features the NVIDIA Blackwell architecture, DLSS 4, 8GB GDDR7 memory, and PCIE 5.0 support, all within a compact, SFF-ready design. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of your product.

2. WHAT'S IN THE BOX

Verify that all items are present in the package:

- ZOTAC GAMING GeForce RTX 5060 Twin Edge OC graphics card
- User Manual (this document)
- Quick Start Guide

Image: The retail packaging for the ZOTAC Gaming GeForce RTX 5060 Twin Edge OC graphics card.

3. PRODUCT OVERVIEW

Familiarize yourself with the physical components of your graphics card.

Image: Front view of the graphics card, showcasing the dual 90mm BladeLink fans and ZOTAC GAMING branding.

Image: Rear view of the graphics card, showing the 3 DisplayPort 2.1b and 1 HDMI 2.1b output ports.

Image: Side view of the graphics card, highlighting its compact two-slot design.

4. SPECIFICATIONS

Key technical specifications of the ZOTAC Gaming GeForce RTX 5060 Twin Edge OC graphics card:

Feature	Specification
Graphics Coprocessor	GeForce RTX 5060
Chipset Brand	NVIDIA
Video Memory	8GB GDDR7
Memory Interface	128-bit
Memory Speed	28 Gbps
PCIe Interface	PCIE 5.0
Display Outputs	3 x DisplayPort 2.1b, 1 x HDMI 2.1b
Max Resolution	7680x4320 (8K Ready)
Multi-Display Support	4 Displays
Cooling System	Dual 90mm BladeLink fans, Composite Heatpipes, Pass-thru Airflow Design
Power Connector	8-pin PCIe
Dimensions (LxWxH)	8.7 x 1.6 x 0.1 inches (220.5 x 41.6 x 120.25 mm)
Weight	1.57 pounds

5. SETUP AND INSTALLATION

5.1 Pre-Installation Checklist

- Ensure your power supply unit (PSU) meets the recommended wattage for your system, including the new graphics card.
- Turn off your computer and disconnect the power cable from the wall outlet.
- Ground yourself to discharge any static electricity before handling components.

5.2 Hardware Installation

1. Open your computer case.
2. Locate an available PCI Express 5.0 x16 slot on your motherboard.
3. Remove any expansion slot covers that correspond to the graphics card's two-slot width.
4. Carefully align the graphics card with the PCIe slot and press down firmly until it is securely seated. Ensure the retention clip on the PCIe slot locks into place.
5. Secure the graphics card to the case with screws.
6. Connect the 8-pin PCIe power connector from your PSU to the graphics card. Ensure a firm connection.
7. Close your computer case.

Image: Illustration of the graphics card's compact dimensions and dual fan cooling system, aiding in installation planning.

5.3 Driver Installation

1. Reconnect the power cable and turn on your computer.
2. Connect your display cable (HDMI or DisplayPort) from the graphics card to your monitor.
3. Once the operating system loads, download the latest NVIDIA drivers for your GeForce RTX 5060 from the official NVIDIA website (www.nvidia.com/drivers).
4. Follow the on-screen instructions to complete the driver installation. A system restart may be required.

6. OPERATING YOUR GRAPHICS CARD

6.1 Driver Updates

Regularly update your graphics drivers to ensure optimal performance, stability, and access to the latest features and game optimizations. NVIDIA releases new drivers frequently, which can be downloaded from their official website or through the GeForce Experience application.

6.2 ZOTAC GAMING Utilities

ZOTAC provides utility software, such as FireStorm, which allows you to monitor your graphics card's performance, adjust fan speeds, and customize lighting (if applicable). Refer to the ZOTAC website for more information and downloads.

6.3 Display Configuration

Utilize the NVIDIA Control Panel to configure display settings, including resolution, refresh rate, and multi-monitor setups. This software is installed with the graphics drivers.

7. MAINTENANCE

7.1 Cleaning

- Periodically clean the fans and heatsink of your graphics card to prevent dust buildup, which can impede cooling performance.
- Use compressed air to gently blow dust out of the heatsink fins and fan blades. Hold the fan blades in place to prevent them from spinning excessively during cleaning.
- Ensure your computer is powered off and unplugged before performing any cleaning.

7.2 Airflow

Maintain good airflow within your PC case. Ensure that case fans are properly configured to draw cool air in

and expel hot air out. Avoid obstructing the graphics card's fans or exhaust vents.

Image: Visual representation of the card's pass-through airflow design for faster heat release and the metal backplate for enhanced rigidity.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your graphics card.

Problem	Possible Cause	Solution
No display output	Incorrect cable connection, unseated card, no power, driver issue	Ensure display cables are securely connected. Reseat the graphics card. Verify the 8-pin PCIe power connector is fully inserted. Install or update drivers.
System instability or crashes	Outdated drivers, overheating, insufficient PSU power	Update graphics drivers. Monitor temperatures using ZOTAC FireStorm or other tools. Ensure PSU meets requirements.
Fans not spinning or excessive noise	Dust buildup, fan control settings, faulty fan	Clean fans and heatsink. Check fan speed settings in ZOTAC FireStorm. Contact support if a fan is faulty.
Low performance in games	Outdated drivers, incorrect game settings, CPU bottleneck	Ensure latest drivers are installed. Adjust in-game graphics settings. Verify other system components are not limiting performance.

9. WARRANTY AND SUPPORT

ZOTAC provides dedicated customer support and warranty coverage for its products.

9.1 Warranty Coverage

Your ZOTAC Gaming GeForce RTX 5060 Twin Edge OC graphics card typically comes with a 3-year coverage. Please register your product on the official ZOTAC website to activate and verify your warranty terms and conditions, as they may vary by region.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please utilize ZOTAC's support resources:

- **Online Chat:** Access 24/7 online chat support via the ZOTAC website.
- **RMA Program:** For hardware issues requiring repair or replacement, refer to the Return Merchandise Authorization (RMA) program details on the ZOTAC support page.
- **Online Communities:** Engage with other users and find solutions on ZOTAC's official forums and social media channels.

Visit the official ZOTAC website for the most up-to-date support information:www.zotac.com/support

Image: Overview of ZOTAC's online communities and dedicated customer support services, including warranty coverage and RMA program.