ZOTAC MEK5090A9700XBG5V1

ZOTAC MEK AI-Enhanced Gaming PC User Manual

Model: MEK5090A9700XBG5V1

1. Introduction

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your ZOTAC MEK AI-Enhanced Gaming PC. Please read these instructions carefully before using your new computer to ensure optimal performance and longevity.

2. Package Contents

Before proceeding with setup, verify that all components are present in the package:

- ZOTAC MEK AI-Enhanced Gaming PC
- Power Cable
- Dual WiFi SMA connector
- Documentation (Quick Start Guide, Warranty Information)

3. Setup Guide

3.1 Unboxing and Placement

Carefully remove the PC from its packaging. Place the computer on a stable, flat surface with adequate ventilation. Ensure that the air intake and exhaust vents are not obstructed.



Figure 3.1: ZOTAC MEK Gaming PC, front view with internal components visible.

3.2 Connecting Peripherals

Connect your monitor, keyboard, mouse, and other peripherals to the appropriate ports on the rear of the PC.

- **Display:** Connect your monitor(s) to the graphics card's DisplayPort or HDMI outputs.

- **USB Devices:** Connect your keyboard, mouse, and other USB devices to the available USB ports.
- **Network:** For a wired connection, connect an Ethernet cable to the LAN port. For wireless, attach the included Dual WiFi SMA connectors to the antenna ports.
- **Audio:** Connect speakers or headphones to the audio output jacks.





Figure 3.2: Rear I/O panel with various connectivity options.

3.3 Power Connection

Connect the power cable to the power supply unit (PSU) at the rear of the PC, then plug the other end into a grounded electrical outlet. Flip the power switch on the PSU to the 'ON' position.

3.4 Initial Boot-up

Press the power button located on the front panel of the PC. The system will boot into Windows 11 Pro. Follow the on-screen instructions for initial setup, including language, region, and user account creation.



Figure 3.3: Front panel with power button, reset button, audio jacks, and USB ports.

4. Operating Instructions

4.1 Windows 11 Pro

Your ZOTAC MEK PC comes with a clean installation of Windows 11 Pro, providing a secure and optimized operating environment. Familiarize yourself with the Windows interface and settings.

4.2 Key Components

- **Processor:** AMD Ryzen 7 9700X AM5 Desktop CPU for multitasking and gaming.
- **Graphics Card:** ZOTAC GAMING GeForce RTX 5090 32GB GDDR7 for high-performance visuals and AI-enhanced technologies like DLSS 4 and real-time ray tracing.
- **Memory:** 32GB DDR5 6400MHz RGB RAM for fast loading times and smooth operation.
- **Storage:** 2TB NVMe M.2 SSD for rapid data access and ample storage.



Figure 4.1: ZOTAC GAMING GeForce RTX 5090 graphics card.

4.3 Connectivity

The system offers comprehensive connectivity options:

- **Wireless:** WiFi 7 (802.11.be) and Bluetooth 5.4 for high-speed wireless connections.
- **USB Ports:** Multiple USB 2.0, USB 3.0, and USB Type-C ports for various peripherals.
- **Audio:** 7.1 HD Audio support for immersive sound experiences.
- **Ethernet:** High-speed Ethernet for reliable wired network access.

5. Maintenance

5.1 Cleaning

Regular cleaning helps maintain optimal performance and extends the lifespan of your PC.

- **Exterior:** Use a soft, dry cloth to wipe down the exterior surfaces. Avoid abrasive cleaners.
- **Dust Filters:** The MEK PC features easy-to-clean screwless filters. Regularly remove and clean these filters to prevent dust buildup and maintain optimal airflow.
- **Internal Components:** Periodically use compressed air to gently clear dust from internal components, especially fans and heatsinks. Ensure the PC is powered off and unplugged before performing internal cleaning.

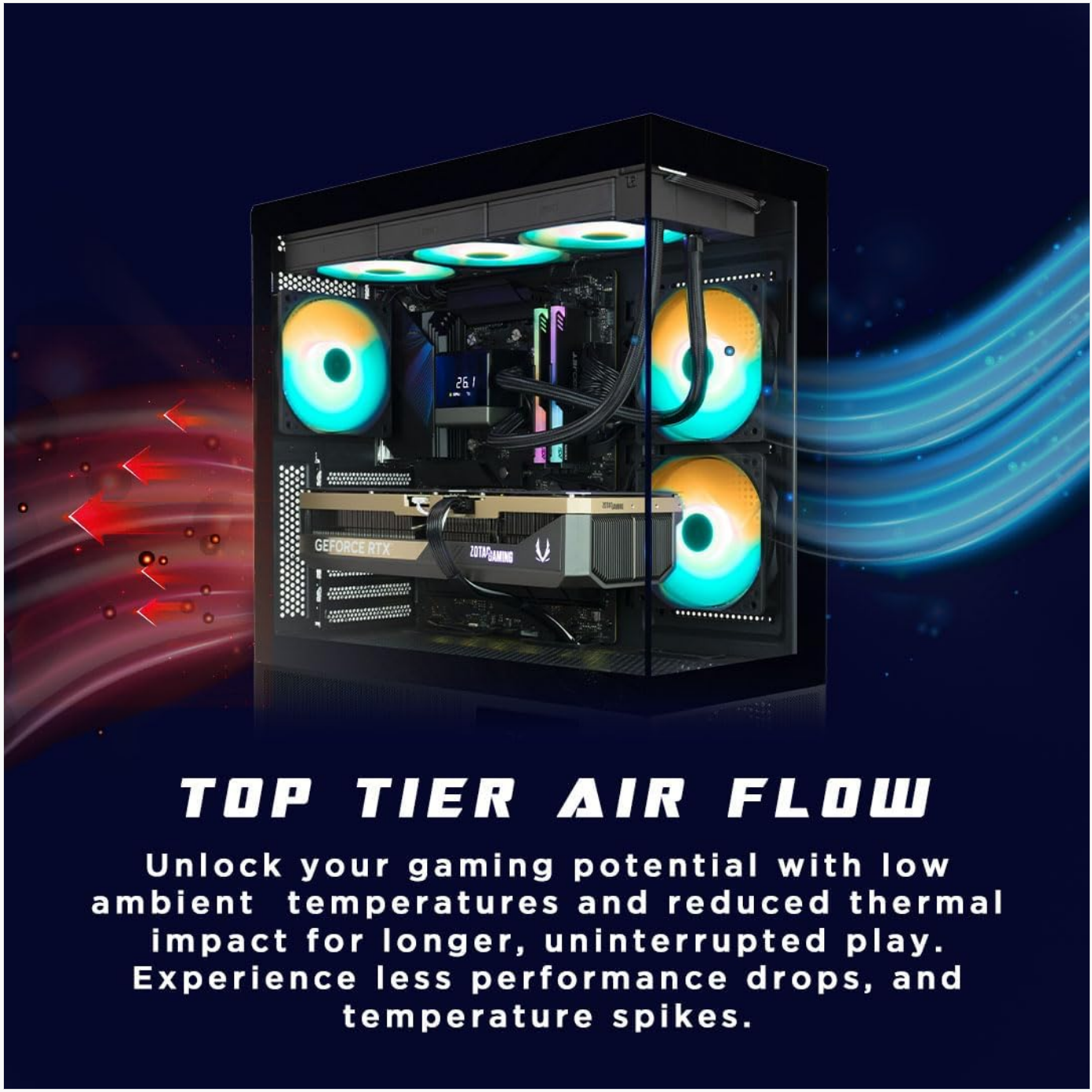


Figure 5.1: Illustration of airflow within the PC chassis.

5.2 Software Updates

Keep your operating system, drivers (especially graphics drivers), and applications updated to ensure security, stability, and performance. Windows Update will handle OS updates, and graphics drivers can be updated via NVIDIA's official software.

6. Troubleshooting

If you encounter issues with your ZOTAC MEK PC, refer to the following common troubleshooting steps:

- **No Display:** Ensure the monitor is correctly connected to the graphics card and powered on. Try a different display cable or monitor if available.
- **No Power:** Verify the power cable is securely connected to both the PC and the wall outlet. Check the PSU power switch is in the 'ON' position. Test the outlet with another device.
- **System Instability/Crashes:** Ensure all drivers are up to date. Monitor system temperatures during heavy load. If issues persist, consult ZOTAC support.
- **Peripheral Not Detected:** Try connecting the peripheral to a different USB port. Ensure drivers for the peripheral are installed.

For more complex issues, please refer to the ZOTAC support website or contact their customer service.

7. Specifications

Feature	Specification
Processor	AMD Ryzen 7 9700X (3.8 GHz, up to 5.5 GHz)
Graphics Card	NVIDIA GeForce RTX 5090 (32 GB GDDR7)
RAM	32 GB DDR5 6400 MHz RGB
Storage	2 TB NVMe M.2 SSD
Operating System	Windows 11 Pro
Power Supply	1300W 80+ Gold Rated PSU
Wireless Connectivity	WiFi 7 (802.11.be), Bluetooth 5.4
Audio	7.1 HD Audio
Dimensions (LxWxH)	16.54 x 8.27 x 18.31 inches
Weight	30.6 pounds
Max Screen Resolution	7680x4320 (8K)

8. Warranty and Support

8.1 Warranty Information

Your ZOTAC MEK Gaming PC includes the following warranty coverage:

- **Complete System Warranty:** 1 Year
- **GPU Warranty:** 3 Years (no registration required)

Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the warranty documentation included with your product or visit the official ZOTAC website.

8.2 Customer Support

For technical assistance, driver downloads, or further inquiries, please visit the official ZOTAC support website or contact their customer service department. You can also find helpful resources and community discussions through ZOTAC's online platforms.



Figure 8.1: ZOTAC online communities and coverage information.

For more information, visit the ZOTAC Store.

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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.

Submit question