

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [G.SKILL](#) /

› [G.SKILL Trident Z5 Neo RGB DDR5 RAM User Manual \(64GB, 6000MT/s, F5-6000J3636F32GX2-TZ5NR\)](#)

G.SKILL F5-6000J3636F32GX2-TZ5NR

G.SKILL Trident Z5 Neo RGB DDR5 RAM User Manual

Model: F5-6000J3636F32GX2-TZ5NR

Brand: G.SKILL

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your G.SKILL Trident Z5 Neo RGB DDR5 RAM kit. Please read these instructions carefully before proceeding with installation to ensure optimal performance and system stability. This memory kit is designed for desktop PCs and gaming systems, supporting both AMD EXPO and Intel XMP 3.0 memory overclock profiles.

PRODUCT OVERVIEW

The G.SKILL Trident Z5 Neo RGB Series DDR5 RAM kit (Model: F5-6000J3636F32GX2-TZ5NR) offers high-performance memory solutions. Key features include:

- **Capacity:** 64GB total capacity, consisting of 2x32GB modules.
- **Speed:** Rated for up to DDR5-6000 MT/s.
- **Timings:** CL36-36-36-96.
- **Voltage:** Operates at 1.35V.
- **Type:** Non-ECC, DDR5 U-DIMM, 288-pin.
- **Profiles:** Includes JEDEC default profile, AMD EXPO, and Intel XMP 3.0 memory overclock profiles.
- **Compatibility:** Designed for Intel Z890, Z790, Z690, B860, B760, B660, and AMD X870, X670, B850, B840, B650 platforms. Refer to the G.SKILL website for validated motherboard and hardware compatibility lists.



Image: G.SKILL Trident Z5 Neo RGB DDR5 RAM modules, highlighting their design for high performance.

SETUP AND INSTALLATION

1. **Preparation:** Before installation, ensure your system is powered off and unplugged. Discharge any static electricity by touching a grounded metal object.
2. **Locate DIMM Slots:** Identify the DDR5 DIMM slots on your motherboard. Consult your motherboard manual for the correct slot configuration for dual-channel memory.
3. **Open Retention Clips:** Gently push open the retention clips at both ends of the DIMM slots.
4. **Insert Memory Modules:** Align the notch on the memory module with the key in the DIMM slot. Apply even pressure to both ends of the module until it clicks into place and the retention clips close automatically. Do not force the module.
5. **Verify Installation:** Ensure both modules are securely seated and the clips are fully closed.
6. **BIOS Configuration (XMP/EXPO):** After physical installation, power on your system and enter the BIOS/UEFI settings. Locate the memory settings and enable the XMP (Intel) or EXPO (AMD) profile to achieve the rated overclock speed of 6000MT/s. The memory kit will boot at JEDEC default SPD speed if XMP/EXPO is not enabled. Enabling XMP or EXPO is considered overclocking and may require BIOS adjustments.

Important Warning: Do not mix memory kits. Memory kits are sold in matched sets designed to run together. Mixing kits can lead to stability issues or system failure. Usage inconsistent with manufacturer specifications may result in lower speeds, instability, or damage.

STREAMLINED RGB LIGHT BAR

Personalize RGB lighting through G.SKILL Trident Z Lighting Control software or supported third party motherboard software.



Image: G.SKILL Trident Z5 Neo RGB DDR5 RAM modules correctly installed in a motherboard's DIMM slots.

OPERATING INSTRUCTIONS (RGB LIGHTING)

The Trident Z5 Neo RGB modules feature customizable RGB lighting. To personalize the lighting effects:

- **G.SKILL Trident Z Lighting Control Software:** Download and install the official G.SKILL Trident Z Lighting Control software from the G.SKILL website. This software allows for detailed customization of lighting patterns, colors, and effects.
- **Motherboard RGB Software:** Alternatively, you can use compatible third-party motherboard RGB software such as ASUS Aura Sync, GIGABYTE RGB Fusion, MSI Mystic Light Sync, or ASRock Polychrome Sync. Ensure your motherboard supports these features and that the latest software versions are installed.

Lighting control support through listed third-party software may vary between motherboard models. Refer to your motherboard's documentation for specific compatibility.



Image: G.SKILL Trident Z5 Neo RGB DDR5 RAM modules showcasing the streamlined RGB light bar with various color effects.

MAINTENANCE

G.SKILL Trident Z5 Neo RGB RAM modules are designed for durability and require minimal maintenance. Follow these guidelines:

- **Handling:** Always handle memory modules by their edges to avoid touching the gold contacts or integrated circuits.
- **Cleaning:** If necessary, gently clean the modules with a soft, dry, lint-free cloth. Do not use liquid cleaners or abrasive materials.
- **Storage:** When not in use, store the modules in their original anti-static packaging or a static-safe environment.

TROUBLESHOOTING

If you encounter issues with your G.SKILL Trident Z5 Neo RGB RAM, consider the following:

- **System Not Booting/POST Errors:**
 - Ensure modules are fully seated in their DIMM slots.
 - Verify compatibility with your motherboard and CPU on the G.SKILL website.
 - Try booting with one module at a time to identify a faulty stick.
- **Memory Not Running at Advertised Speed:**
 - Enter BIOS/UEFI and ensure the AMD EXPO or Intel XMP 3.0 profile is enabled.
 - Check your motherboard's QVL (Qualified Vendor List) for guaranteed compatibility at the rated speed.
 - Update your motherboard's BIOS to the latest version.
- **RGB Lighting Issues:**
 - Ensure G.SKILL Lighting Control software or compatible motherboard RGB software is installed and up-to-date.
 - Check for conflicts with other RGB control software.

For further assistance, refer to the G.SKILL support website or contact their customer service.

SPECIFICATIONS

RAM Capacity	64 GB (2x32GB)
--------------	----------------

Brand	G.SKILL
Series	Trident Z5 Neo RGB
Model Number	F5-6000J3636F32GX2-TZ5NR
RAM Memory Technology	DDR5
Memory Speed	6000 MT/s
CAS Latency	CL36 (36-36-36-96)
Voltage	1.35 Volts
Form Factor	U-DIMM (288-pin)
Error Correction	Non-ECC
Color	Matte Black
Compatible Devices	Desktop

WARRANTY AND SUPPORT

G.SKILL memory products are backed by a limited lifetime warranty. For detailed warranty information, technical support, and frequently asked questions, please visit the official G.SKILL website. You can also find updated compatibility lists (QVL) and RAM configurator tools to ensure your system components are fully supported.

For direct support, please refer to the contact information provided on the G.SKILL website.