

TEAMGROUP FLESD532G6000HC30DC01

TEAMGROUP T-Force Vulcan ECO DDR5 32GB (2x16GB) 6000MHz Desktop Memory Module Instruction Manual

Model: FLESD532G6000HC30DC01 | Brand: TEAMGROUP

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your TEAMGROUP T-Force Vulcan ECO DDR5 32GB (2x16GB) 6000MHz Desktop Memory Module. Please read these instructions carefully before proceeding to ensure proper functionality and system stability.

The T-Force Vulcan ECO DDR5 memory is designed for high-performance desktop systems, offering enhanced speed and efficiency. It features an eco-friendly design with a heat spreader made from 80% recycled aluminum, contributing to a significant carbon reduction.

2. PRODUCT FEATURES

- **Capacity:** 32GB (2x16GB)
- **Memory Type:** DDR5 SDRAM
- **Speed:** 6000MHz (PC5-48000)
- **Latency:** CL30 (30-36-36-76)
- **Voltage:** 1.35 Volts
- **Compatibility:** Supports Intel XMP 3.0 and AMD EXPO profiles for optimized performance. Compatible with Intel Core 12th to 14th Gen CPUs and AMD Ryzen 7000 Series CPUs.
- **Cooling:** Strengthened PMIC Cooling Design with a low-profile heat spreader (32.7mm height) for efficient heat dissipation and broad compatibility with CPU coolers.
- **Stability:** On-die ECC (Error-Correcting Code) for enhanced system stability.
- **Eco-Friendly:** Heat spreader made from 80% recycled aluminum, contributing to a 73% carbon reduction in manufacturing.



Figure 2.1: Overview of TEAMGROUP T-Force Vulcan ECO DDR5 key features.

3. SETUP (INSTALLATION)

3.1 Pre-Installation Checklist

- **Compatibility:** Verify that your motherboard supports DDR5 memory and the specified speed (6000MHz). Consult your motherboard's Qualified Vendor List (QVL) for confirmed compatibility.
- **Power Off:** Ensure your computer is completely powered off and disconnected from the power source.
- **Static Protection:** Take anti-static precautions, such as wearing an anti-static wrist strap or touching a grounded metal object, before handling memory modules.

3.2 Physical Installation Steps

1. Open your computer case.
2. Locate the DIMM slots on your motherboard. For dual-channel operation, refer to your motherboard manual for the correct slot configuration (typically A2 and B2).
3. Gently push open the retention clips at both ends of the DIMM slot.
4. Align the notch on the DDR5 memory module with the key in the DIMM slot. DDR5 modules have a single notch that is offset to prevent incorrect insertion.
5. Insert the memory module into the slot, applying even pressure to both ends until the retention clips snap into place.
6. Repeat for the second memory module.
7. Close your computer case and reconnect the power.



Figure 3.1: TEAMGROUP T-Force Vulcan ECO DDR5 memory modules.

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Video 3.1: An overview of the Vulcan Eco DDR5 DRAM, showcasing its design and features. This video is provided by TEAMGROUP Inc.

4. OPERATING

4.1 Activating XMP 3.0 / AMD EXPO Profiles

To achieve the advertised speed of 6000MHz, you must enable the Intel XMP 3.0 or AMD EXPO profile in your motherboard's BIOS/UEFI settings. These profiles contain pre-configured overclocking settings optimized for stability and performance.

1. Power on your computer and repeatedly press the designated key (usually DEL, F2, F10, or F12) to enter the BIOS/UEFI setup.
2. Navigate to the 'Overclocking', 'Advanced', or 'AI Tweaker' section (naming may vary by motherboard manufacturer).
3. Locate the 'XMP' (Extreme Memory Profile) or 'EXPO' (Extended Profiles for Overclocking) setting.
4. Select the appropriate profile (e.g., 'Profile 1' or the highest stable speed profile).
5. Save changes and exit the BIOS/UEFI. Your system will restart with the optimized memory settings.

If your system fails to boot after enabling a profile, power off, clear CMOS (refer to your motherboard manual), and try a lower speed profile or manually adjust settings if you are experienced with memory overclocking.

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Video 4.1: A product overview video demonstrating the TEAMGROUP T-Force Vulcan memory in a system, highlighting its performance and ease of installation. This video is provided by Amazon Product Imaging.

5. MAINTENANCE

TEAMGROUP T-Force Vulcan ECO DDR5 memory modules are designed for durability and stable

performance. Minimal maintenance is required.

- **Dust Removal:** Periodically clean your computer case to prevent dust buildup on components, including memory modules. Use compressed air to gently remove dust from the heat spreaders.
- **Handling:** Always handle memory modules by their edges to avoid touching the gold contacts or integrated circuits.
- **Temperature:** Ensure adequate airflow within your computer case to maintain optimal operating temperatures for all components, including RAM. The integrated heat spreader is designed to assist with thermal management.

6. TROUBLESHOOTING

6.1 Common Issues and Solutions

- **System Fails to Boot / No Display:**
 - Ensure memory modules are fully seated in their slots and retention clips are locked.
 - Try installing one module at a time to identify a faulty stick.
 - Clear CMOS settings on your motherboard.
- **Incorrect Memory Speed Detected:**
 - Verify that XMP 3.0 or AMD EXPO profiles are enabled in your motherboard's BIOS/UEFI settings (refer to Section 4.1).
 - Ensure your motherboard BIOS is updated to the latest version, as this often improves memory compatibility and stability.
- **System Instability / Crashes:**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic or MemTest86) to check for errors.
 - If XMP/EXPO is enabled, try disabling it or selecting a lower speed profile to check for stability.
 - Ensure your power supply unit (PSU) provides sufficient and stable power to all components.


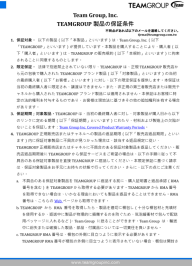

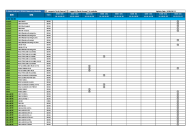
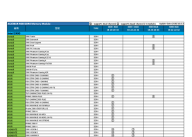
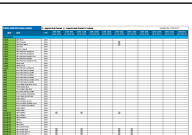
7. SPECIFICATIONS

Specification	Detail
RAM Capacity	32 GB (2x16GB)
RAM Memory Technology	DDR5 SDRAM
Memory Speed	6000 MHz
CAS Latency	CL30 (30-36-36-76)
Voltage	1.35 Volts
Item Model Number	FLESD532G6000HC30DC01
Product Dimensions (LxWxH)	5.51 x 0.3 x 1.29 inches
Item Weight	3.52 ounces
Compatible Devices	Desktop

8. WARRANTY AND SUPPORT

This TEAMGROUP T-Force Vulcan ECO DDR5 memory module comes with a **Lifetime Warranty**. For warranty claims or technical support, please visit the official TEAMGROUP website or contact their customer service directly. Ensure you retain your proof of purchase for warranty validation.

Related Documents - FLESD532G6000HC30DC01

	TEAMGROUP Warranty Statement <p>This document outlines the warranty terms and conditions for TEAMGROUP products, including coverage periods, limitations, and procedures for claims. It details specific warranties for various product lines such as M.2 PCIe SSDs, memory modules, USB flash drives, memory cards, portable hard drives, and mobile accessories.</p>
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	TEAMGROUP ELITE DDR5 U-DIMM Memory Kits - High Performance RAM <p>Explore the TEAMGROUP ELITE DDR5 U-DIMM memory kits, featuring JEDEC on-die ECC, faster speeds, and improved efficiency for desktop computers. View specifications and ordering information.</p>
	TEAMGROUP T-Force Vulcan Z DDR4 Memory Module Compatibility List <p>Qualified Vendor List (QVL) for TEAMGROUP T-Force Vulcan Z DDR4 memory modules, detailing compatibility with various Intel and AMD chipsets and motherboard models from leading manufacturers.</p>
	TEAMGROUP XCALIBUR RGB DDR4 Memory Module Compatibility List <p>This document provides a compatibility list for TEAMGROUP XCALIBUR RGB DDR4 memory modules across various Intel and AMD CPU chipsets. It details supported memory configurations, including dual and quad channel capabilities.</p>
	XTREEM ARGB DDR4 Memory Module Compatibility List <p>This document lists compatible DDR4 memory modules for various Intel and AMD chipsets, detailing specifications like speed, capacity, and timings, as well as dual and quad channel support.</p>

