

TEAMGROUP FFXD548G8000HC38EDC01

TEAMGROUP T-Force XTREEM DDR5 Ram Instruction Manual

Model: FFXD548G8000HC38EDC01

[Introduction](#)

[Setup](#)

[Operating](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty &](#)

[Support](#)

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your TEAMGROUP T-Force XTREEM DDR5 Ram (Model: FFXD548G8000HC38EDC01). This high-performance memory module is designed for desktop computers utilizing 600 and 700 series chipsets, supporting XMP 3.0 for optimized performance.

Please read this manual thoroughly before installation and use to ensure proper functionality and longevity of your product.

2. SETUP

2.1 Compatibility Check

Before installing the memory modules, it is crucial to verify compatibility with your motherboard and CPU. Refer to the Qualified Vendor List (QVL) provided by your motherboard manufacturer. The performance and stability of the memory can be influenced by the CPU's Integrated Memory Controller (IMC) and the motherboard's BIOS version.

2.2 Physical Installation

- Prepare your system:** Power off your computer and disconnect it from the power outlet. Open the computer case to access the motherboard.
- Locate DIMM slots:** Identify the DDR5 DIMM slots on your motherboard. Consult your motherboard manual for the recommended slot configuration for dual-channel memory.
- Open retention clips:** Gently push open the retention clips at both ends of the DIMM slot.
- Align the module:** Hold the memory module by its edges, avoiding contact with the gold connectors. Align the notch on the memory module with the key in the DIMM slot.
- Insert the module:** Apply even pressure to both ends of the module until it clicks into place and the retention clips automatically close. If the clips do not close, gently push them inward until they secure the module.
- Repeat for additional modules:** Install the second memory module into the appropriate slot as per your motherboard's dual-channel configuration.

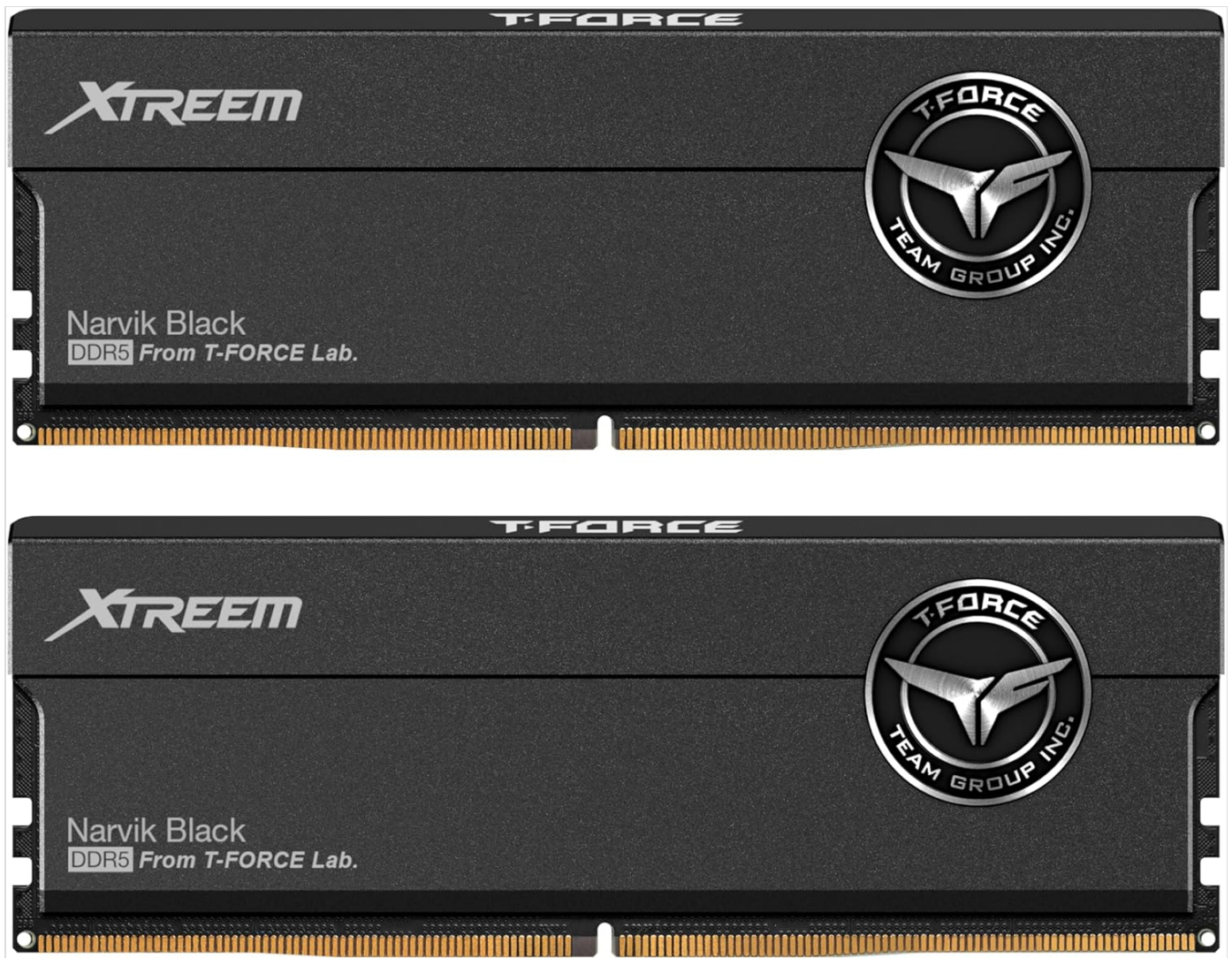


Image: Two TEAMGROUP T-Force XTREEM DDR5 RAM modules, illustrating their design and how they would appear when installed in a system.

2.3 BIOS Configuration (XMP 3.0)

To achieve the advertised speeds of 8000MHz, you must enable the Intel Extreme Memory Profile (XMP) 3.0 in your motherboard's BIOS. This profile contains pre-configured settings for optimal performance.

1. **Enter BIOS/UEFI:** Restart your computer and repeatedly press the designated key (commonly **Del**, **F2**, **F10**, or **F12**) during startup to enter the BIOS/UEFI setup.
2. **Locate XMP/Memory Profile setting:** Navigate to the "Overclocking," "AI Tweaker," "Advanced," or "Memory Settings" section. The exact location varies by motherboard manufacturer.
3. **Enable XMP:** Find the "XMP" or "Extreme Memory Profile" option and set it to "Enabled" or select the appropriate XMP 3.0 profile (e.g., "Profile 1").
4. **Save and Exit:** Save the changes and exit the BIOS. Your system will restart with the new memory settings applied.

3. OPERATING

The TEAMGROUP T-Force XTREEM DDR5 RAM is designed for high-speed data processing and system stability. Once installed and XMP 3.0 is enabled, the modules will operate at their rated speed of 8000MHz with CL38 timings (38-49-49-84).

- **Performance:** The modules are engineered to exceed typical overclocking limits, providing enhanced performance for demanding applications and gaming.

- **Stability:** Featuring On-Die ECC (Error-Correcting Code), these modules contribute to a more stable system operation by detecting and correcting internal data errors.
- **Power Management:** An integrated power management chip ensures stable and effective power usage, optimizing efficiency.



Image: A single TEAMGROUP T-Force XTREEM DDR5 RAM module, showcasing its robust heat spreader designed for efficient thermal management.

4. MAINTENANCE

TEAMGROUP T-Force XTREEM DDR5 RAM modules are designed for durability and require minimal maintenance. Follow these guidelines to ensure optimal performance and longevity:

- **Dust Prevention:** Regularly clean the interior of your computer case to prevent dust buildup on the memory modules and other components. Dust can impede airflow and heat dissipation.
- **Heat Management:** The modules feature a meticulously layered high-quality aluminum sandblasted fin and a sturdy 2mm heat spreader for exceptional heat dissipation. Ensure good airflow within your PC case to support effective cooling.
- **Handling:** When handling memory modules, always hold them by the edges and avoid touching the gold contacts or the integrated circuits. Static electricity can damage the components.
- **Firmware/BIOS Updates:** Keep your motherboard's BIOS updated to the latest version. Manufacturers often release updates that improve memory compatibility and stability.

5. TROUBLESHOOTING

If you encounter issues with your TEAMGROUP T-Force XTREEM DDR5 RAM, consider the following troubleshooting

steps:

- **System Not Booting/POST Errors:**
 - Ensure memory modules are fully seated in their slots. Re-seat them firmly.
 - Verify that the modules are installed in the correct DIMM slots for dual-channel operation as specified in your motherboard manual.
 - If using multiple modules, try booting with only one module at a time to identify a potentially faulty stick.
 - Clear your motherboard's CMOS (BIOS settings) to reset memory configurations to default.
- **System Instability/Crashes (especially after enabling XMP):**
 - Ensure your motherboard BIOS is updated to the latest version. Newer BIOS versions often include improved memory compatibility.
 - If XMP is enabled and causing instability, try disabling it to see if the system stabilizes at default JEDEC speeds.
 - Some systems may require minor adjustments to memory controller voltage (MC voltage) or System Agent (SA) voltage in the BIOS for full stability at high XMP frequencies. Consult advanced overclocking guides for your specific motherboard and CPU.
 - Run a memory diagnostic tool (e.g., MemTest86) to check for errors.
- **Incorrect Speed Detected:**
 - Confirm that XMP 3.0 is enabled in your BIOS as described in the "BIOS Configuration" section.
 - Check your motherboard's QVL to ensure your specific CPU and motherboard combination supports the advertised memory speed.

If issues persist after following these steps, please contact TEAMGROUP technical support.

6. SPECIFICATIONS

Feature	Detail
Brand	TEAMGROUP
Series	T-Force XTREEM DDR5
Model Number	FFXD548G8000HC38EDC01
RAM Capacity	48 GB (2x24GB)
RAM Technology	DDR5
Memory Speed	8000 MHz
CAS Latency (CL)	CL38 (38-49-49-84)
Voltage	1.4 Volts
Color	Black
Item Weight	2.82 ounces
Product Dimensions (LxWxH)	5.31 x 0.28 x 1.85 inches
Compatible Devices	Desktop (600/700 Series Chipset)

7. WARRANTY & SUPPORT

TEAMGROUP provides a lifetime warranty for the T-Force XTREEM DDR5 RAM modules. This warranty covers defects in materials and workmanship under normal use.

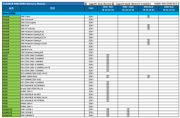



For technical support, customer service, or to inquire about warranty claims, please visit the official TEAMGROUP website. You can find detailed contact information and support resources there.

Official TEAMGROUP Website: www.teamgroupinc.com



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For the latest information, please visit the [official TEAMGROUP website](http://www.teamgroupinc.com).

Related Documents

	<p>TEAMGROUP XCALIBUR RGB DDR4 Memory Module Compatibility List</p> <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>
	<p>TEAMGROUP Warranty Statement</p> <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>
	<p>TEAMGROUP NV5000 PCIe4.0 SSD - High-Performance M.2 NVMe Storage</p> <p>Explore the TEAMGROUP NV5000 PCIe4.0 SSD, a high-performance M.2 NVMe drive featuring PCIe Gen4 x4 interface, graphene cooling technology, and up to 2TB capacity. Ideal for demanding applications and gaming.</p>
	<p>Teamgroup EX2 2.5-inch SATA SSD: Features and Specifications</p> <p>Explore the Teamgroup EX2 2.5-inch SATA III SSD, detailing its performance, main features, ordering information, and technical specifications. Learn about its 3D NAND technology, TRIM optimization, and 3-year limited warranty.</p>



[pdf] Guide

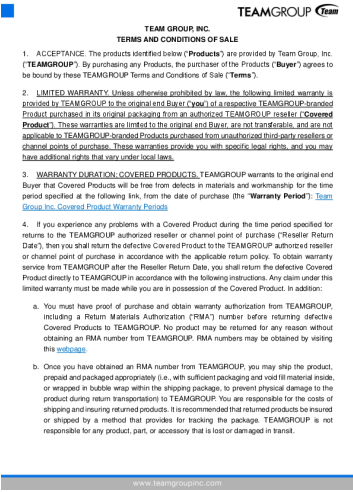
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[pdf] Instructions Warranty

linus liu TEAMGROUP T Force XTREEM DDR5 Ram 48GB 2x24GB 8000MHz PC5 64000 CL38 M DIE Desktop Memory Module for 600 700 Series Chipset XMP 3 Ready Black FFXD548G8000HC38EDC01 38 49 84 BlackFFXD548G8000HC38EDC01 Instructions Use IFU TEAMGROUP B0F47RTBCT B0D8BBS8GX B0D31DT9MN B0D2D7FDQB B08T1Q32H7 B0CLCXRHQJ B0CW199CSG B0DMDH8WF6 B0CLD29RYR B0CLD185R5 B0CLCZJKSC B0D2D8YDXX B0CLCVZ91Q B0D2HGZTRF B0D2HDSPKT B0CW1J934L B0D8BBRS42 B0CW1HZ6QS B08T1RD9KT B0CW2LG2RS B0CA1YwuMF7EtLm media amazon images I A1YwuMF7EtL ||| TEAM GROUP, INC. TERMS AND CONDITIONS OF SALE 1. ACCEPTANCE. The products identified below (Products) are provided by Team Group, Inc. (TEAMGROUP). By purchasing any Products, the purchaser of the Products (Buyer) agrees to be bound by these TEAMGROUP Terms and Conditions of Sale (Terms). 2. LIMITED WARRANTY. Unless otherwise prohibited by law, the following limited warranty is provided by TEAMGROUP to the original end Buyer (Buyer) of a respective TEAMGROUP-branded Product purchased in its original packaging from an authorized TEAMGROUP reseller (Covered Product). These warranties are limited to the original end Buyer, are not transferrable, and are not applicable to TEAMGROUP-branded Products purchased from unauthorized third-party resellers or channel points of purchase. These warranties provide you with specific legal rights, and you may have additional rights that vary under local laws. 3. WARRANTY DURATION/COVERED PRODUCTS. TEAMGROUP warrants to the original end Buyer that Covered Products will be free from defects in materials and workmanship for the time period specified at the following link, from the date of purchase (this Warranty Period): [Team Group Inc. Covered Product Warranties](#) 4. If you experience any problems with a Covered Product during the time period specified for returns to the TEAMGROUP authorized reseller or channel point of purchase (Reseller Return Date), you may then return the defective Covered Product to the TEAMGROUP authorized reseller or channel point of purchase in accordance with the applicable return policy. To obtain warranty service from TEAMGROUP after the Reseller Return Date, you shall return the defective Covered Product directly to TEAMGROUP in accordance with the following instructions. Any claim under this limited warranty must be made while you are in possession of the Covered Product. In addition: a. You must have proof of purchase and obtain warranty authorization from TEAMGROUP, including a Return Materials Authorization (RMA) number before returning defective Covered Products to TEAMGROUP. No product may be returned for any reason without obtaining an RMA number from TEAMGROUP. RMA numbers may be obtained by visiting this [website](#). b. Once you have obtained an RMA number from TEAMGROUP, you may ship the product, prepaid and packaged appropriately (i.e., with sufficient packaging and void fill material inside, or wrapped in bubble wrap within the shipping package, to prevent physical damage to the product during return transportation) to TEAMGROUP. You are responsible for the costs of shipping and insuring returned products. It is recommended that returned products be insured or shipped by a method that provides for tracking the package. TEAMGROUP is not responsible for any product, part, or accessory that is lost or damaged in transit. lang:en **score:28** filesize: 1.16 M page_count: 9 document date: 2025-07-03

[pdf] Datasheet

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T-FORCE X TREEM DDR5 DESKTOP Memory

With T-FORCE LAB's superb R&D capability, the brand-new T-FORCE X TREEM DDR5 exceeds the frequency limit of DDR5 memory. The DDR5 high-performance memory module is successfully developed with our proprietary IC grading testing validation technique—CRASHING METHOD FOR MEMORY (invention patent number is Taiwan 1752091, invention patent number in USA 10,512,888B7E1). The product has T-FORCE logo representing our eternal pride, showcasing its exceptional existence, it is definitely the best choice in the world of overclocking products. The product adopts three aluminum alloy heat sink and thermal pad with high thermal conductivity, designed with meticulously layered high-quality aluminum sandblasted for heat sink with both aesthetic appearance, giving the surface a matte texture that is also anti-acid, alkaline, rust and mold-resistant, which also allows the product to have both a stylish look and perfect heat dissipation ability.

Primary functions and features

- Incredible T-FORCE logo reveals overclocking hints
- Meticulously layered high-quality aluminum sandblasted for the exceptional heat dissipation
- Sturdy three heat sinks provide for perfect heat dissipation improvement
- High-quality IC with the patented technique
- Power management chip for stable and effective power usage
- On-Die ECC for a more stable system
- Lifetime warranty



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Sturdy three heat sink for perfect heat dissipation improvement
T-FORCE X TREEM DDR5 adopts three aluminum alloy heat spreader to increase its quality and heat capacity. The product also has thermal pad with high thermal conductivity in strength PMEC heat dissipation effects, coupled with anti-acid, alkaline, rust and mold-resistant metal treatment on the surface to deliver perfect heat dissipation performance overall.

High quality IC with patented technique
Uses our proprietary IC grading testing validation technique—CRASHING METHOD FOR MEMORY (invention patent number is Taiwan 1752091, invention patent number in USA 10,512,888B7E1) to develop DDR5 high-performance memory module successfully.

Power management chip for stable and effective power usage
Power management chip minimizes noise interference, stabilizes power and distributes power to each electronic component effectively, supplying power to the system with stability and firmness.

On-Die ECC for a more stable system
Supports anti-on-die ECC providing error correction and detection, the mechanism stabilizes the system while saving performance.

Lifetime warranty
Comprehensive lifetime warranty is offered where exchanges free of charge for non-man-made damage are available under a simple and streamlined service.



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T FORCE XTREEM DDR5 Desktop Memory TEAMGROUP Overclocking PMIC xtream en images
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