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> [Corsair Vengeance RGB DDR5 RAM 32GB \(2x16GB\) 6000MHz Memory Module Instruction Manual](#)

Corsair CMH32GX5M2E6000C36W

Corsair Vengeance RGB DDR5 RAM Instruction Manual

Model: CMH32GX5M2E6000C36W

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Corsair Vengeance RGB DDR5 RAM. This high-performance memory kit is designed to enhance your desktop computer's speed and responsiveness, featuring dynamic RGB lighting and optimized for Intel XMP 3.0 compatible motherboards.

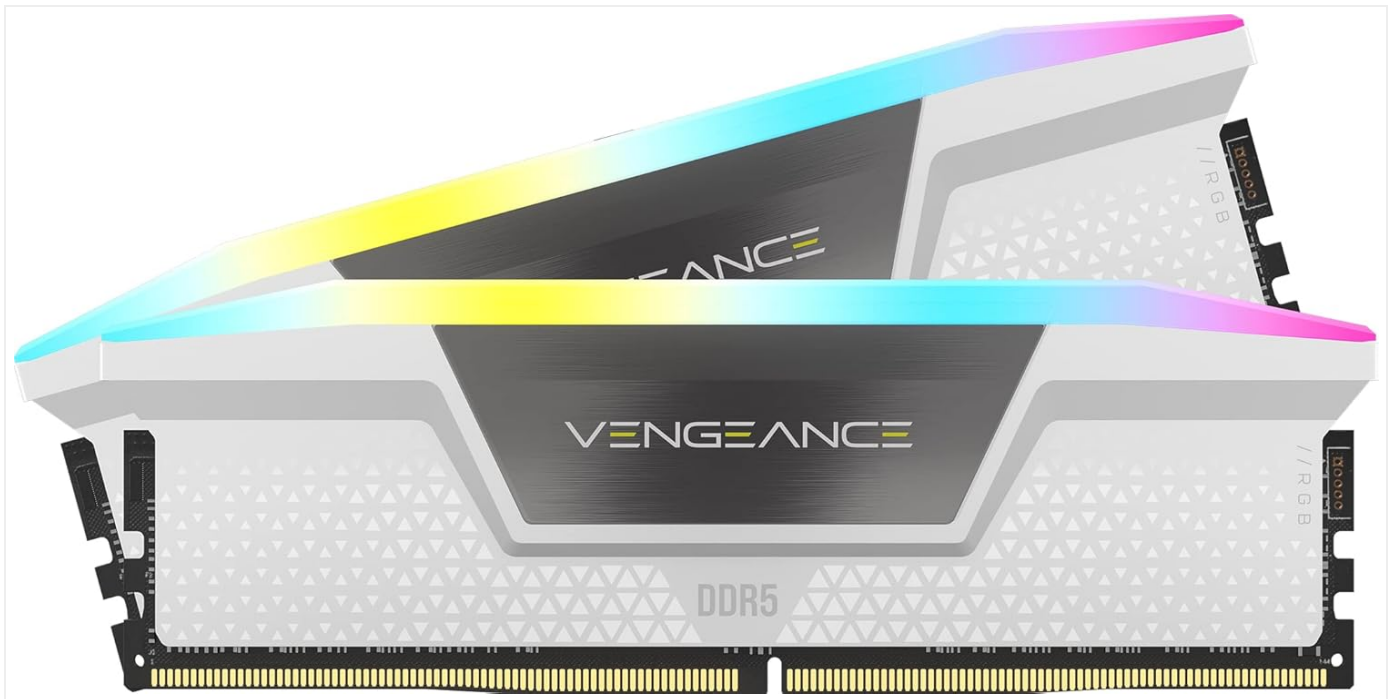


Image: Two Corsair Vengeance RGB DDR5 RAM modules in white, featuring a sleek design and an illuminated RGB light bar.

2. SETUP AND INSTALLATION

2.1 Pre-Installation Checklist

- Ensure your motherboard supports DDR5 memory and is compatible with Intel XMP 3.0.
- Power off your computer and disconnect it from the power source.

- Ground yourself to prevent electrostatic discharge (ESD) damage to components.

2.2 Physical Installation

1. Locate the DIMM slots on your motherboard. Consult your motherboard manual for the correct slot configuration for dual-channel memory.
2. Gently push open the retention clips at both ends of the DIMM slot.
3. Align the memory module with the DIMM slot, ensuring the notch on the module matches the key in the slot.
4. Apply firm, even pressure to both ends of the memory module until the retention clips snap into place.
5. Repeat for the second memory module in the appropriate slot.

2.3 BIOS/UEFI Configuration

1. Reconnect power and turn on your computer. Access your system's BIOS/UEFI settings (usually by pressing DEL or F2 during startup).
2. Navigate to the memory settings. Enable Intel XMP 3.0 (or EXPO for AMD platforms if applicable) to ensure the memory operates at its advertised speed (6000MHz).
3. Save changes and exit BIOS/UEFI. Your system will restart with the new memory settings.



Video: An official Corsair trailer showcasing the Vengeance RGB DDR5 memory, highlighting its features and performance capabilities.

3. OPERATING YOUR MEMORY MODULES

3.1 Dynamic RGB Lighting

The Corsair Vengeance RGB DDR5 memory features ten individually addressable, ultra-bright RGB LEDs per module. These are encased in a panoramic light bar, providing vivid lighting from any viewing angle. Customize lighting effects, colors, and patterns using the Corsair iCUE software.

CUTTING-EDGE DDR5 PERFORMANCE

Unlock faster frequencies, greater capacities, and lower voltages than previous gen memory.

50%

More Bandwidth
Than DDR4

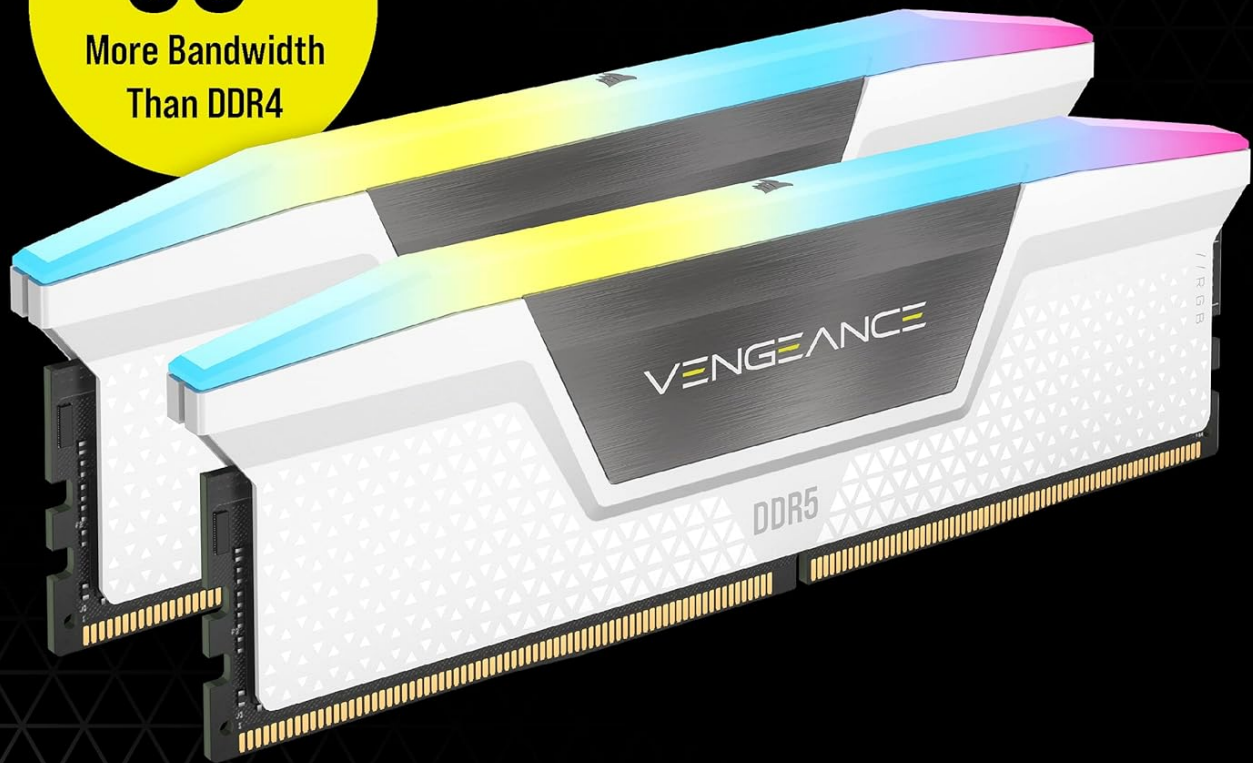


Image: Close-up view of Corsair Vengeance RGB DDR5 RAM modules installed in a PC, showcasing their vibrant, customizable RGB lighting.

3.2 Intel XMP 3.0 Profiles

Utilize custom Intel XMP 3.0 profiles to tailor performance by application or task. These profiles can be customized and saved via the Corsair iCUE software, allowing for greater efficiency and optimized memory performance for specific workloads.

3.3 Onboard Voltage Regulation

The memory modules include onboard voltage regulation, which enables easier, more finely-tuned, and stable overclocking. This feature, controlled through Corsair iCUE software, offers enhanced control compared to previous generation motherboard-based voltage regulation.

EASY, FINELY CONTROLLED OVERCLOCKING

Get real-time frequency readings, customize XMP profiles, and regulate voltages with iCUE software.



Image: Corsair Vengeance RGB DDR5 RAM modules within a PC build, demonstrating the integration with iCUE software for advanced control over performance and lighting.

4. MAINTENANCE

To ensure optimal performance and longevity of your memory modules, follow these general maintenance guidelines:

- Keep your computer's interior clean and free of dust. Use compressed air to gently remove dust from the memory modules and surrounding components.
- Avoid touching the gold contacts on the memory modules directly. Handle modules by their edges.
- Ensure proper airflow within your PC case to prevent overheating, which can affect memory performance and lifespan.

5. TROUBLESHOOTING

5.1 Common Issues and Solutions

- **System Not Booting / No Display:** Ensure memory modules are fully seated in their slots. Try reseating them. Verify that your motherboard BIOS is updated to support DDR5 and the specific memory kit.
- **Incorrect Memory Speed:** Access BIOS/UEFI and enable Intel XMP 3.0. If issues persist, manually set the memory frequency and timings according to the product specifications.
- **RGB Lighting Not Working / Incorrect Colors:** Ensure Corsair iCUE software is installed and up-to-date. Check connections to the motherboard's RGB headers if applicable, though Vengeance RGB DDR5 typically controls lighting via the DIMM slot.
- **System Instability / Crashes:** This can be caused by unstable overclocking. Reset BIOS to default settings and re-enable XMP. If issues continue, test memory modules individually to identify a faulty stick.

For further assistance, refer to the Corsair support website or contact their technical support team.

6. SPECIFICATIONS

Feature	Detail
Model Number	CMH32GX5M2E6000C36W
Memory Type	DDR5 SDRAM
Capacity	32 GB (2 x 16 GB)
Speed	6000 MHz
Latency	CL36-44-44-96
Voltage	1.35V (XMP 3.0)
Compatibility	Intel DDR5 Motherboards (XMP 3.0)
RGB Lighting	Dynamic Ten-Zone RGB, Individually Addressable
Software Control	Corsair iCUE
Dimensions (LxWxH)	5.43 x 0.27 x 1.77 inches
Weight	1.76 ounces

7. WARRANTY AND SUPPORT

Corsair products are backed by a limited warranty. For specific warranty terms and conditions applicable to your region, please visit the official Corsair website. Technical support and customer service are available to assist with any product-related inquiries or issues.

For support, visit: www.corsair.com/support

