

## Lexar LD5U32G60C30BR-RGD

# Lexar ARES Gen2 RGB DDR5 RAM Instruction Manual

MODEL: LD5U32G60C30BR-RGD

Brand: Lexar

## 1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your Lexar ARES Gen2 RGB DDR5 RAM. Designed for next-generation DDR5 performance, this memory kit enhances your system's capabilities for gaming, content creation, and demanding tasks. Please read this manual thoroughly before installation and use.

## 2. Product Features

- **Enhanced Performance:** Engineered for next-gen DDR5 performance, delivering speeds up to 6000MT/s CL30 for superior system responsiveness.
- **Vibrant RGB Lighting:** Customize your gaming setup with dynamic RGB lighting via Lexar RGB Sync software.
- **Overclocking Support:** Designed to support Intel XMP 3.0 and AMD EXPO standards for ultimate overclocked performance and stability.
- **Advanced Error Correction:** Features on-die ECC (Error Correction Code) to improve overall stability and reliability during intensive use.
- **Optimized Power Management:** Built-in Power Management IC (PMIC) optimizes energy consumption for peak performance and efficiency.
- **Efficient Heat Dissipation:** Premium aluminum 1.88mm heat spreader maximizes optimal heat dissipation, preventing overheating during demanding sessions.
- **Customized PCB:** Exclusive, customized PCB design improves performance and overclocking stability.

## 3. Setup and Installation

Before installing your Lexar ARES Gen2 RGB DDR5 RAM, ensure your computer is powered off and unplugged from the wall outlet. Refer to your motherboard's manual for specific DIMM slot configurations.

1. **Prepare Your System:** Power down your computer and unplug the power cable. Open your computer case.
2. **Locate DIMM Slots:** Identify the DDR5 DIMM slots on your motherboard. For optimal performance, install RAM modules in the recommended dual-channel slots as per your motherboard manual (often slots 2 and 4).
3. **Open Retention Clips:** Gently push open the retention clips at both ends of the DIMM slots.
4. **Insert RAM Modules:** Align the notch on the RAM 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.
5. **Secure and Close:** Ensure both modules are securely seated. Close your computer case and reconnect the power cable.



Image: Lexar ARES Gen2 RGB DDR5 RAM modules, ready for installation.

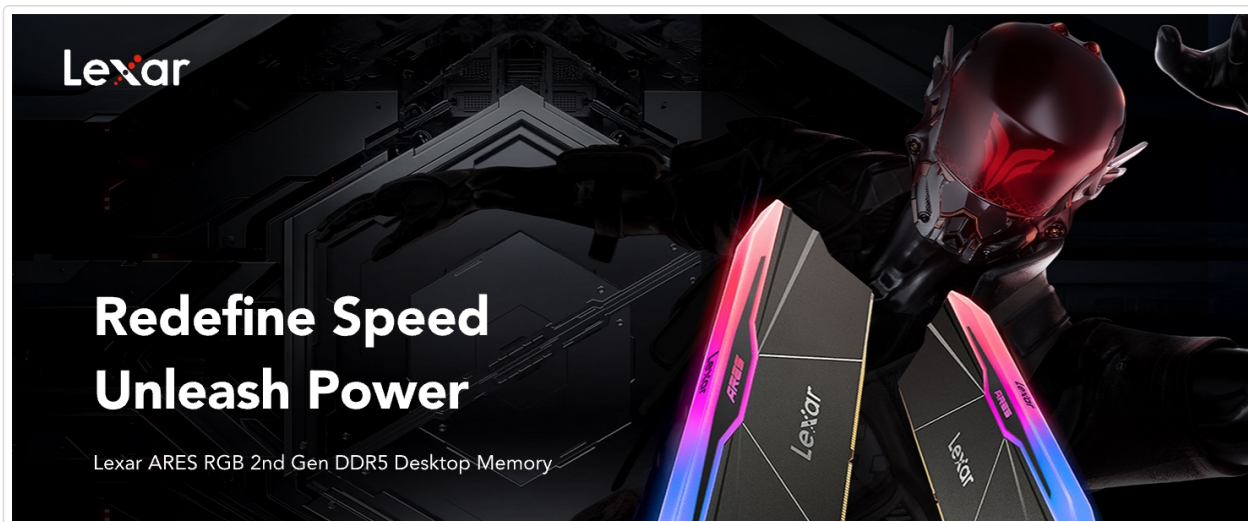


Image: Lexar ARES Gen2 RGB DDR5 RAM modules installed in a desktop computer, highlighting the RGB lighting.

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Video: An official product video from Lexar showcasing the ARES Gen2 RGB DDR5 RAM, its features, and visual effects.

## 4. Operating Instructions

### 4.1 Activating XMP/EXPO Profiles

To achieve the advertised speeds (e.g., 6000MHz), you must enable the Intel XMP 3.0 or AMD EXPO profile in your motherboard's BIOS/UEFI settings. This is typically found under an 'Overclocking' or 'Advanced Memory Settings' menu.

1. **Enter BIOS/UEFI:** Restart your computer and repeatedly press the designated key (usually DEL, F2, F10, or F12) during startup to enter the BIOS/UEFI setup.
2. **Locate Memory Settings:** Navigate to the memory settings section. This might be labeled 'AI Tweaker', 'OC', 'Extreme Memory Profile', or similar.
3. **Enable XMP/EXPO:** Select the XMP (for Intel) or EXPO (for AMD) profile. Choose the profile that matches your RAM's advertised speed (e.g., DDR5-6000).
4. **Save and Exit:** Save your changes and exit the BIOS/UEFI. Your system will restart with the new memory settings.

### 4.2 Customizing RGB Lighting

The Lexar ARES Gen2 RGB DDR5 RAM features customizable RGB lighting. You can personalize the lighting effects using the Lexar RGB Sync software.

1. **Download Software:** Visit the official Lexar website to download and install the latest Lexar RGB Sync software.
2. **Launch Software:** Open the Lexar RGB Sync application.
3. **Select Effects:** Choose from various lighting modes, colors, and effects. The software offers 8 LED bulbs, 13 RGB lighting modes, and 16.8 million color options.
4. **Apply Changes:** Apply your desired settings to synchronize the RGB lighting with your system's aesthetic.

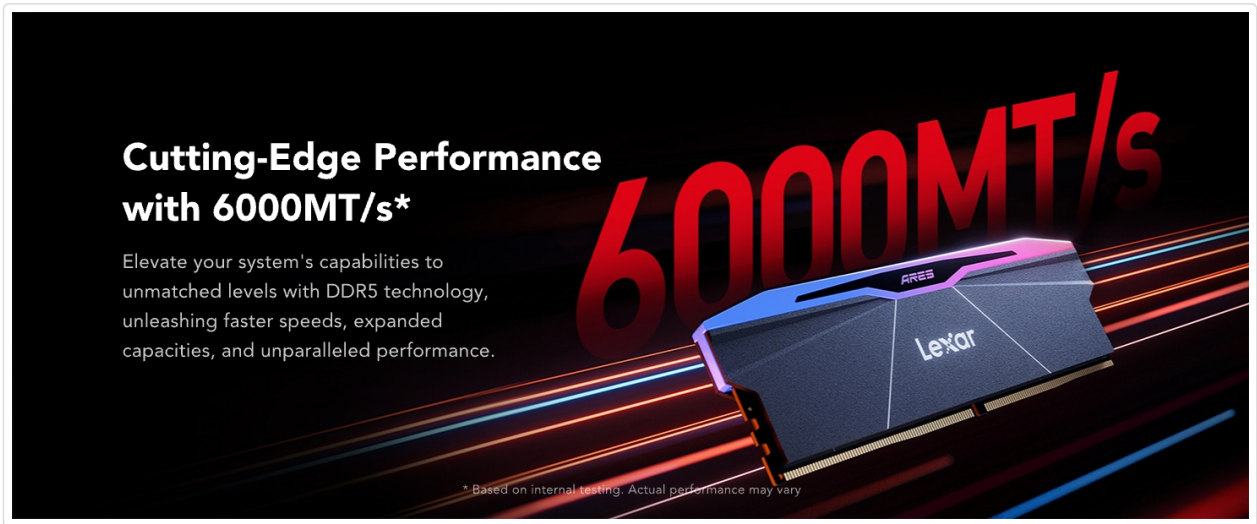


Image: Lexar RGB Sync software interface, demonstrating the extensive customization options for RGB lighting.

## 5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your RAM modules.

- **Keep Clean:** Periodically clean your computer's interior to prevent dust buildup on the RAM modules and heat spreaders. Use compressed air for best results.
- **Proper Handling:** Always handle RAM modules by their edges to avoid touching the gold contacts or integrated circuits, which can cause electrostatic discharge (ESD) damage.
- **Temperature Control:** Ensure adequate airflow within your PC case to maintain optimal operating temperatures for all components, including RAM.

## 6. Troubleshooting

If you encounter issues with your Lexar ARES Gen2 RGB DDR5 RAM, consider the following troubleshooting steps:

- **System Not Booting:** Ensure RAM modules are fully seated in their DIMM slots. Try reseating them firmly. If using multiple modules, try booting with one module at a time to identify a faulty stick.
- **Incorrect Speed Detected:** Verify that the XMP/EXPO profile is correctly enabled in your motherboard's BIOS/UEFI settings. If not, enable it as described in Section 4.1.
- **RGB Lighting Not Working:** Confirm that the Lexar RGB Sync software is installed and running. Check for any conflicts with other RGB control software. Ensure all necessary cables (if any) are connected.
- **System Instability/Crashes:** This could be due to an unstable overclock. Try resetting your BIOS/UEFI to default settings or disabling the XMP/EXPO profile to see if stability improves. Ensure your motherboard BIOS is up to date.

## 7. Specifications

Feature	Specification
RAM Capacity	64 GB (2x32GB Kit)
RAM Technology	DDR5
Memory Speed	6000 MT/s

CAS Latency	CL30
Form Factor	288-Pin UDIMM
Voltage	1.4V
Compatibility	Intel XMP 3.0, AMD EXPO
Heat Spreader	Aluminum 1.88mm
RGB Lighting	Lexar RGB Sync compatible
Model Number	LD5U32G60C30BR-RGD

## 8. Warranty and Support

Lexar ARES Gen2 RGB DDR5 RAM is backed by a lifetime limited warranty. For detailed warranty terms and conditions, please visit the official Lexar website or contact Lexar customer support. Keep your proof of purchase for warranty claims.

For further assistance or technical support, please refer to the Lexar support website or contact their customer service team.