G.SKILL F4-2133C15D-8GVR

G.SKILL Ripjaws V Series DDR4 Desktop Memory Installation and Operation Manual

Model: F4-2133C15D-8GVR

INTRODUCTION

Thank you for choosing G.SKILL Ripjaws V Series DDR4 desktop memory. This high-performance memory kit is designed for gaming and PC enthusiasts, offering optimized compatibility with DDR4-compatible Intel Core platforms. This manual provides essential information for the proper installation, operation, and maintenance of your memory modules.

SAFETY PRECAUTIONS

- Always handle memory modules by their edges to avoid touching the gold contacts or components.
- Discharge static electricity by touching a grounded metal object before handling components.
- Ensure your computer is powered off and unplugged from the wall outlet before installation.
- Refer to your motherboard's manual for specific memory slot configurations and compatibility.

SETUP: INSTALLATION INSTRUCTIONS

1. **Prepare Your System:** Power off your computer completely and unplug the power cord from the wall outlet. Open your computer case.
2. **Locate DIMM Slots:** Identify the DDR4 DIMM slots on your motherboard. Consult your motherboard manual for the correct slots to use for dual-channel configuration (typically slots 2 and 4, or 1 and 3).
3. **Open Retention Clips:** Gently push open the white retention clips at both ends of the DIMM slot.
4. **Align Memory Module:** Hold the memory module by its edges. Align the notch on the module with the key in the DIMM slot. DDR4 modules have a single notch slightly off-center. Do not force the module if it does not align.
5. **Insert Memory Module:** Place the module into the slot and press down firmly and evenly on both ends until the retention clips snap into place. You should hear a click.
6. **Verify Installation:** Ensure both clips are fully closed and the module is seated securely. Repeat for the second module if installing a kit.
7. **Close Case and Power On:** Close your computer case, plug in the power cord, and power on your system. The system should automatically detect the new memory.

Note: For optimal performance, ensure your motherboard's BIOS/UEFI is updated to the latest version and that XMP (Extreme Memory Profile) is enabled if available, to run the memory at its advertised speed (2133MHz).

OPERATING CHARACTERISTICS

The G.SKILL Ripjaws V Series DDR4 memory operates at a standard voltage of 1.2V, contributing to lower power consumption and heat generation compared to previous DDR generations. Its default operating speed is 2133MHz (PC4-17000) with a CAS Latency of 15 (15-15-15-35 timing). These specifications are automatically configured by most modern motherboards.

- **DDR4 Technology:** Offers higher speeds, lower power consumption, and increased bandwidth compared to DDR3.
- **Dual Channel Kit:** Designed to be installed in pairs for enhanced memory bandwidth when used with compatible motherboards.
- **Heat Spreader:** The integrated aluminum heat spreader helps dissipate heat, maintaining stable performance during intensive use.

MAINTENANCE

G.SKILL Ripjaws V Series memory modules are designed for long-term reliability and require minimal maintenance.

- **Dust Removal:** Periodically clean the interior of your computer case to prevent dust buildup on components, including memory modules. Use compressed air for this purpose, holding the can upright and spraying in short bursts.
- **Temperature Control:** Ensure adequate airflow within your computer case to maintain optimal operating temperatures for all components.
- **Physical Handling:** Avoid unnecessary removal or reinstallation of memory modules. If handling is required, follow the safety precautions outlined in the Setup section.

TROUBLESHOOTING

If you encounter issues after installing your G.SKILL memory, consider the following troubleshooting steps:

- **System Does Not Boot:**
  - Ensure modules are fully seated in their slots and retention clips are closed.
  - Verify that the modules are installed in the correct DIMM slots as per your motherboard manual.
  - Try booting with only one module installed to identify a potentially faulty module or slot.
  - Clear your motherboard's CMOS (refer to your motherboard manual for instructions).

- **Incorrect Memory Capacity Detected:**
  - Check your motherboard's BIOS/UEFI settings to confirm the detected memory.
  - Ensure your operating system is 64-bit to fully utilize more than 4GB of RAM.
  - Verify that all modules are correctly seated.

- **System Instability or Crashes:**
  - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic, MemTest86) to check for errors.
  - Ensure your motherboard's BIOS/UEFI is updated.
  - Disable XMP/DOCP in BIOS and test with default memory settings.

If problems persist, contact G.SKILL technical support or your system builder for further assistance.

SPECIFICATIONS

Brand	G.SKILL
Series	Ripjaws V Series
Model Number	F4-2133C15D-8GVR
Capacity	8GB (2 x 4GB)
Memory Type	DDR4 SDRAM
Speed	2133MHz (PC4-17000)
CAS Latency	15
Timing	15-15-15-35
Voltage	1.2V
ECC	No
Buffered/Registered	Unbuffered

Color	Red
Dimensions (LxWxH)	5.4 x 0.55 x 0.17 inches
Compatible Devices	Desktop (Intel Z170 Platform / Intel X99 Platform)

WARRANTY AND SUPPORT

G.SKILL memory products typically come with a limited lifetime warranty. For specific warranty terms and conditions, please refer to the official G.SKILL website or the warranty information included with your purchase. For technical support, product inquiries, or warranty claims, please visit the G.SKILL official support page or contact their customer service directly.

- **G.SKILL Official Website:** www.gskill.com

- **Support Contact:** Refer to the support section on the official website for contact methods.