

ADATA SLEG-860-1000GCS

ADATA Legend 860 Solid State Drive User Manual

MODEL: SLEG-860-1000GCS

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your ADATA Legend 860 Solid State Drive. Please read this guide thoroughly before using the product to ensure optimal performance and longevity.

The ADATA Legend 860 is a high-performance NVMe SSD designed for expanding storage in compatible devices such as desktop PCs, laptops, and gaming consoles like the PlayStation 5. It utilizes PCIe Gen4 x4 interface for fast data transfer speeds.



Figure 1: ADATA Legend 860 NVMe Solid State Drive

2. SAFETY INFORMATION

- Always handle the SSD by its edges to avoid touching the gold connectors or components.
- Ensure your system is powered off and unplugged before installation.
- Discharge any static electricity from your body before handling the SSD. Use an anti-static wrist strap if available.

- Keep the SSD away from moisture, extreme temperatures, and strong magnetic fields.
- Do not attempt to disassemble or modify the SSD, as this will void the warranty.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- ADATA Legend 860 Solid State Drive

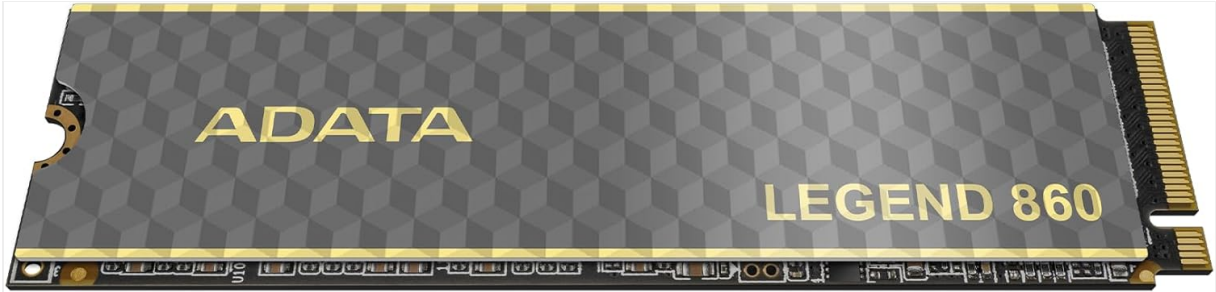


Figure 2: ADATA Legend 860 SSD Retail Packaging

4. SPECIFICATIONS

Brand	ADATA
Series	Legend 860
Model Number	SLEG-860-1000GCS
Digital Storage Capacity	1 TB
Hard Disk Interface	NVMe
Connectivity Technology	PCIe Gen4 x4
Form Factor	M.2 2280
Compatible Devices	Desktop, Gaming Console (PS5), Laptop
Item Weight	0.353 ounces
Product Dimensions	5.24 x 0.31 x 1.57 inches

5. SETUP & INSTALLATION

The ADATA Legend 860 SSD is designed for easy installation into compatible M.2 slots. Follow these general steps for installation:

1. **Prepare Your System:** Power off your computer or gaming console and unplug all cables. Open the casing to access the motherboard or M.2 expansion slot.
2. **Locate M.2 Slot:** Identify an available M.2 slot on your motherboard. These slots are typically labeled and may be covered by a heatsink.
3. **Insert the SSD:** Gently slide the ADATA Legend 860 SSD into the M.2 slot at a 30-degree angle. Ensure the gold connectors are fully seated.

4. **Secure the SSD:** Once inserted, push the SSD down until it is parallel with the motherboard. Secure it with the provided screw (usually included with your motherboard or console).
5. **Close Casing:** Replace any heatsinks or covers, and close your system's casing.
6. **Power On and Initialize:** Reconnect all cables and power on your system. You may need to initialize and format the new SSD through your operating system's Disk Management (Windows) or Disk Utility (macOS) before it can be used. Refer to your operating system's documentation for detailed instructions.

Installation Examples:



Figure 3: SSD installed in a desktop motherboard



Figure 4: SSD installed in a PlayStation 5 console



Figure 5: SSD installed in a laptop



Figure 6: SSD in an external enclosure for portable use

6. OPERATION

Once installed and formatted, your ADATA Legend 860 SSD will function as a high-speed storage device. You can use it for:

- **Operating System Drive:** Install your operating system for faster boot times and overall system responsiveness.
- **Gaming Library:** Store your games to significantly reduce load times and improve gaming experience.
- **Application Storage:** Install demanding applications for quicker launch and operation.
- **Data Storage:** Use it for high-speed storage of large files, such as 4K videos, high-resolution images, and large project files.

For optimal performance, ensure your system's drivers and firmware are up to date.

7. MAINTENANCE

To maintain the performance and longevity of your ADATA Legend 860 SSD:

- **Keep Firmware Updated:** Periodically check the ADATA official website for firmware updates for your SSD. Firmware updates can improve performance, stability, and compatibility.
- **Avoid Overfilling:** While SSDs perform well even when nearly full, leaving some free space (typically 10-15%) can help maintain optimal performance and extend lifespan.
- **Enable TRIM:** Ensure TRIM is enabled in your operating system. TRIM helps the SSD manage its storage space efficiently, preventing performance degradation over time. Most modern operating systems enable TRIM by default for SSDs.
- **Monitor Health:** Use SSD monitoring tools (often provided by ADATA or third-party software) to check the health and estimated lifespan of your drive.
- **Regular Backups:** Regularly back up important data to another storage device. While SSDs are reliable, no storage device is immune to failure.

8. TROUBLESHOOTING

If you encounter issues with your ADATA Legend 860 SSD, consider the following troubleshooting steps:

- **SSD Not Detected:**
 - Ensure the SSD is correctly seated in the M.2 slot.
 - Check your system's BIOS/UEFI settings to confirm the M.2 slot is enabled and configured correctly.
 - Verify that your motherboard or console supports NVMe PCIe Gen4 SSDs.
 - Try the SSD in a different M.2 slot or a compatible external enclosure to rule out a motherboard issue.
- **Slow Performance:**
 - Ensure your system's M.2 slot supports PCIe Gen4 speeds. If it's a Gen3 slot, the SSD will operate at Gen3 speeds.
 - Check if TRIM is enabled (as mentioned in Maintenance).
 - Ensure the SSD is not nearly full.
 - Update your motherboard's chipset drivers and SSD firmware.
- **System Instability/Crashes:**
 - Ensure the SSD is properly secured and not overheating.
 - Run a diagnostic tool to check the SSD's health.
 - Check for system-wide issues (RAM, CPU, power supply).

If problems persist, contact ADATA customer support for further assistance.







9. WARRANTY AND SUPPORT

The ADATA Legend 860 Solid State Drive typically comes with a manufacturer's warranty. Please refer to the official ADATA website or your product packaging for specific warranty terms and conditions, including the duration and coverage details.

For technical support, driver downloads, firmware updates, and additional product information, please visit the official ADATA support website: www.adata.com

Keep your proof of purchase for warranty claims.

Related Documents - SLEG-860-1000GCS

	<p>ADATA M.2 SSD Installation Guide for PC and PlayStation 5</p> <p>Comprehensive guide from ADATA detailing the installation process for M.2 Solid State Drives (SSDs) in desktop PCs, laptop computers, and PlayStation 5 consoles. Includes preparation steps, tool requirements, and step-by-step instructions.</p>
	<p>ADATA SSD Toolbox User's Guide</p> <p>A comprehensive user guide for the ADATA SSD Toolbox software, detailing its features for monitoring, diagnosing, and optimizing ADATA SSDs, including drive information, SMART status, security erase, firmware updates, and system optimization settings.</p>
	<p>ADATA SSD Toolbox User's Guide</p> <p>User's Guide for ADATA SSD Toolbox version 3.0. This guide provides detailed instructions on managing ADATA SSDs, including drive information, health monitoring, diagnostic scans, firmware updates, security erase, system optimization, benchmarking, and cloning drives. It covers system requirements and troubleshooting.</p>
	<p>ADATA EC700G M.2 PCIe/SATA SSD Enclosure: Fast External Storage</p> <p>Discover the ADATA EC700G M.2 PCIe/SATA SSD Enclosure, offering USB 3.2 Gen2 speeds up to 10Gbps for fast external storage and gaming. Features tool-less assembly and RGB lighting.</p>
	<p>ADATA SSD Toolbox User Manual - Comprehensive Guide to SSD Management</p> <p>This user manual provides a comprehensive guide to using the ADATA SSD Toolbox software. Learn how to install, manage, optimize, and test your ADATA SSDs with features like Secure Erase, Firmware Update, Performance Test, and Disk Clone. Includes system requirements and troubleshooting.</p>
	<p>ADATA SSD Toolbox User Guide - Version 3.0</p> <p>Comprehensive user guide for the ADATA SSD Toolbox software, detailing features for drive information, diagnostic scans, system optimization, firmware updates, drive cloning, and benchmarking for ADATA SSD products.</p>

