

Leotec LEM2EXT01

Leotec LEM2EXT01 M.2 NVMe SSD External Enclosure User Manual

1. INTRODUCTION

Welcome to the user manual for the Leotec LEM2EXT01 M.2 NVMe SSD External Enclosure. This document provides essential instructions for the proper installation, operation, and maintenance of your device, ensuring optimal performance and longevity.

2. PRODUCT OVERVIEW

The Leotec LEM2EXT01 is an advanced external enclosure designed for M.2 NVMe SSDs. It is engineered for high speed and efficiency, featuring a USB-C 3.2 interface that supports data transfer speeds of up to 10 Gbit/s. This enclosure is suitable for users requiring high performance and precise data management. It is compatible with M.2 NVMe 2280 SSD drives, allowing seamless integration with modern devices for accessible data. The enclosure utilizes USB-C 3.2 to achieve transfer speeds of up to 10 Gbit/s, enabling rapid transfer of large data volumes. Its elegant and compact design makes it portable. Constructed from high-quality aluminum with a striped surface, the enclosure provides excellent heat dissipation, protecting the SSD from potential overheating and ensuring consistent, reliable performance. Additionally, the enclosure features an LED screen that displays information such as stored data, execution time, connection count, temperature, voltage, and disk health percentage. Installation is straightforward due to its intuitive design.

Key Features

- Compatible with M.2 NVMe 2280 SSD drives.
- Ultra-fast USB-C 3.2 interface with up to 10 Gbit/s transfer speeds.
- Integrated LED screen for real-time drive information (data, temperature, health, etc.).
- Elegant and compact design for portability.
- High-quality aluminum construction with striped surface for enhanced heat dissipation.
- Intuitive design for straightforward installation.

Included Components

- Leotec LEM2EXT01 M.2 NVMe SSD External Enclosure
- User Manual (this document)
- USB-C Cable

3. PRODUCT VIEW



Image: The Leotec LEM2EXT01 M.2 NVMe SSD External Enclosure, showcasing its compact design and USB-C port.

4. SETUP AND INSTALLATION

Follow these steps to install your M.2 NVMe SSD into the Leotec LEM2EXT01 enclosure.

1. Gently slide open the enclosure cover to access the internal compartment.
2. Locate the M.2 slot inside the enclosure.
3. Carefully insert your M.2 NVMe SSD into the slot at an angle, ensuring the gold contacts are fully engaged.
4. Secure the SSD with the provided screw or retention clip, if applicable.
5. Slide the enclosure cover back into place until it clicks securely.

6. Connect the enclosure to your computer using the provided USB-C cable.

Important:

Ensure the SSD is correctly aligned before applying force to prevent damage. Refer to your SSD's manual for specific installation requirements if needed. If the enclosure features an LED display, ensure an AAAA battery is installed for its operation.

5. OPERATION

Connecting to a Device

Use the supplied USB-C cable to connect the Leotec LEM2EXT01 enclosure to a compatible USB-C port on your computer or device. The enclosure is plug-and-play and should be recognized automatically by most operating systems.

Data Transfer

Once connected, the M.2 SSD inside the enclosure will appear as an external drive. You can drag and drop files, copy, paste, or use backup software to transfer data to and from the SSD.

Note:

For optimal performance, ensure your computer's USB-C port supports USB 3.2 Gen 2 (10 Gbit/s) or higher.

6. MAINTENANCE

Cleaning

To clean the enclosure, use a soft, dry, lint-free cloth. Do not use liquid cleaners or aerosols, as they may damage the device.

Storage

When not in use, store the enclosure in a cool, dry place away from direct sunlight and extreme temperatures.

Heat Dissipation

The aluminum casing is designed for efficient heat dissipation. Ensure the enclosure is placed in a well-ventilated area during prolonged use to maintain optimal operating temperatures for the SSD.

7. TROUBLESHOOTING

Enclosure Not Detected

- Ensure the USB-C cable is securely connected to both the enclosure and your computer.
- Try connecting to a different USB-C port on your computer.
- Test the enclosure with a different USB-C cable, if available.
- Verify that the M.2 NVMe SSD is correctly installed and seated within the enclosure.
- Check your computer's Disk Management (Windows) or Disk Utility (macOS) to see if the drive is recognized but unformatted.

Slow Transfer Speeds

- Confirm that your computer's USB-C port supports USB 3.2 Gen 2 (10 Gbit/s). Older USB versions will

result in lower speeds.

- Ensure your M.2 NVMe SSD is capable of high transfer speeds.
- Avoid transferring many small files simultaneously, as this can reduce overall transfer rates.
- Disconnect other high-bandwidth USB devices to free up bandwidth.

Overheating

- Ensure the enclosure is in a well-ventilated area.
- Avoid placing the enclosure on soft surfaces that might block airflow.
- Prolonged heavy use can generate heat; this is normal. The aluminum casing is designed to dissipate this heat.

8. SPECIFICATIONS

Brand	Leotec
Model Number	LEM2EXT01
Hardware Interface	USB Type-C
Connectivity Technology	USB
Data Transfer Rate	1000 Megabits per second (10 Gbit/s)
Compatible Devices	M.2 NVMe 2280 SSDs
Material	Aluminum
Product Dimensions	15 x 15 x 20 cm; 500 g
Included Components	User Manual, USB-C Cable
Manufacturer	Leotec
Color	Original
Display Type	LED Screen (for drive information)
Battery Requirement	1 AAAA battery (for LED display)
Maximum Number of Supported Devices	1

9. WARRANTY AND SUPPORT

Warranty Information

The Leotec LEM2EXT01 M.2 NVMe SSD External Enclosure comes with a three-year warranty against manufacturing defects. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance or support, please contact your retailer or visit the official Leotec website.

