SABRENT
Connecting Differently™

USB 3.2 TYPE-C TOOL-FREE ENCLOSURE FOR M.2 PCIe NVMe SSDs

M.2 SSD
NVMe / SATA

WINDOWS
macOS
COMPATIBLE

LINUX
OS
COMPATIBLE

USB TYPE-C

EC-PNVO QUICK INSTALLATION GUIDE

FEATURES

- Converts an NVMe SSD into a portable SSD over USB
- Accepts M.2 2230 / 2242 / 2260 / 2280 form factor NVMe SSDs up to 8TB
- Connects and transfers up to 10Gbps (USB 3.2 Gen 2x1) with 5Gbps (Gen 1x1) and 480Mbps (USB 2.0) backward compatibility
- Tool-free installation with plug and play, bus-powered operation
- Made out of aluminum alloy, with ABS frame, for portability and effective heat dissipation

NOTE: Solid state drive (SSD) is not included.
Only M Key NVMe SSDs are supported.

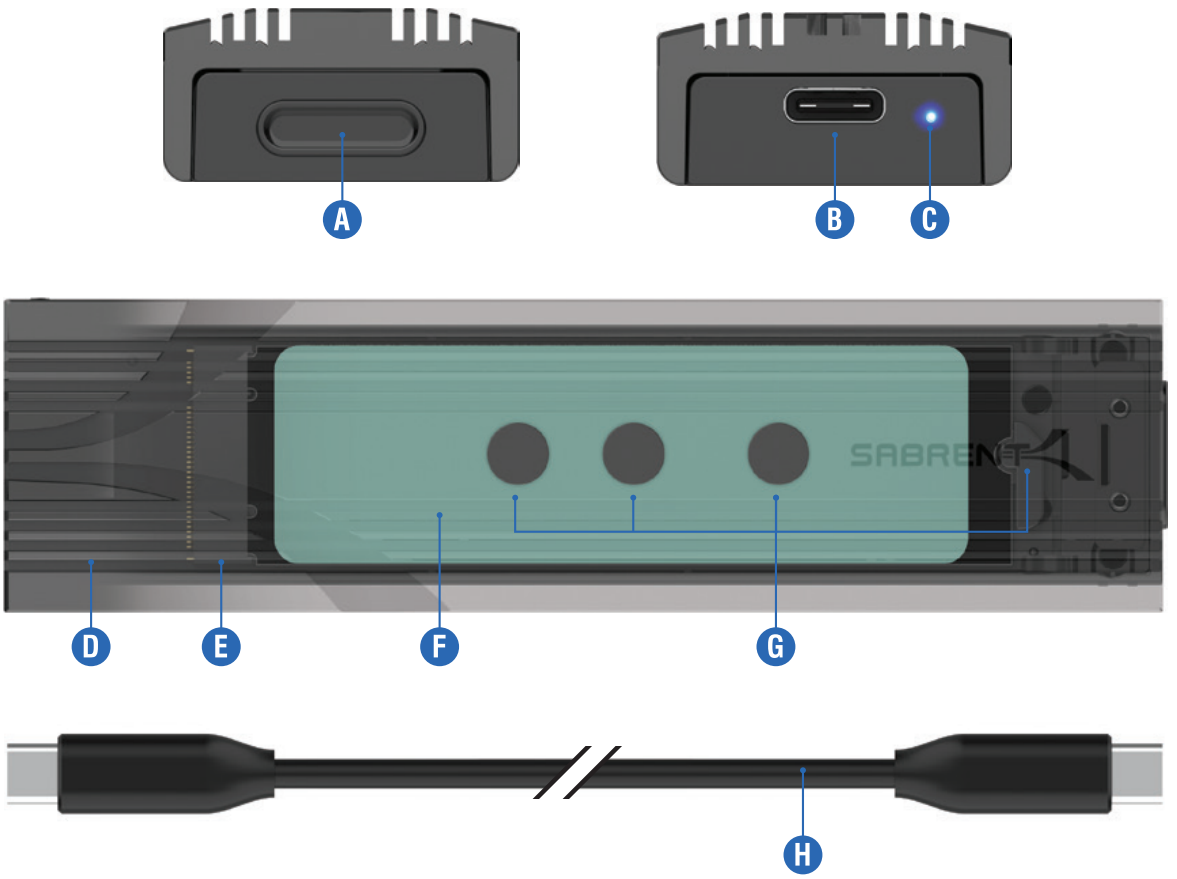
SUPPORTED OPERATING SYSTEMS

- Windows 7+
- macOS 10.5+
- Linux / Android

PACKAGE CONTENTS

- USB 3.2 Type-C Tool-free Enclosure for M.2 PCIe NVMe SSDs
- USB 3.2 data cable (25cm)
- Thermal silicone pad
- Rubber NVMe SSD stopper

PRODUCT OVERVIEW



A. Release button for top cover heatsink lock
B. USB-C port for connection
C. LED Status Indicator
(will light when a connection with power is achieved and flash during drive activity)
D. Aluminum alloy and ABS frame enclosure casing
E. M.2 slot with form factor offsets for M Key NVMe SSDs
F. Thermal padding for heat dissipation
G. M.2 clasp/rubber stopper for securing the drive
H. USB-C to USB-C cable

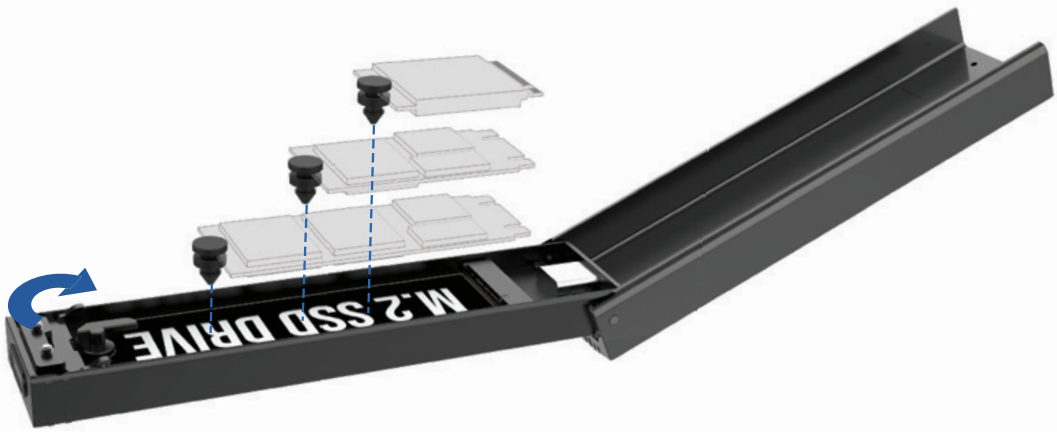
GETTING STARTED

STEP 1
Open the enclosure's top cover heatsink by carefully pressing the locking switch.

STEP 2
Insert the M.2 NVMe SSD into the M.2 slot at roughly a 35-degree angle and press until it is secured into the slot. Then, prepare to lower the drive flat.

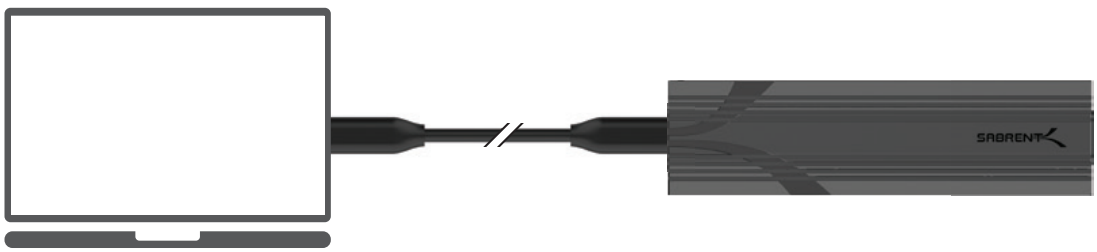
STEP 3

If using a 2230, 2242, or 2260 form factor M.2 SSD, please use the included rubber stopper to affix the SSD to the appropriate M.2 form factor offset hole. If using a 2280 form factor M.2 SSD, simply lower the drive and rotate the preinstalled clasp. The drive should then be secured horizontally.



STEP 4

Close the top cover heatsink, waiting until you hear a click from the locking switch. The enclosure and drive are now ready to be used.



STEP 5
Connect a USB-C cable to the enclosure and then to the host system. If the drive requires formatting, use the Disk Management, Disk Utility, or a similar application to prepare the drive for use. If the drive already has data on it, access it through Windows Explorer, Finder, or an equivalent application.

Note: Verify filesystem and file type compatibility when using the drive between multiple operating systems.

Note: The preapplied thermal pad will improve thermal dissipation during operation through drive contact once the drive is secured.

FREQUENTLY ASKED QUESTIONS

Q. What are the recommended operating conditions for the enclosure?
A. As with all electronics, the enclosure should not come into contact with any liquids and should not be used in environments that are too dry, too humid, too cold, or too hot. Avoiding direct sunlight and other potential heat sources is important for getting the best performance out of the drive due to SSD thermal throttling algorithms.

Q. Are there any best practices for achieving the best performance?
A. SSDs do require basic maintenance which should be handled by the host operating system by default. This generally includes optimization with the TRIM function, which can pass through USB. Other drive health characteristics can be monitored with S.M.A.R.T. using appropriate software. It's best to always keep some space free on the drive, if possible, for optimal performance and endurance. Drives should be powered on with some regularity to reduce degradation.

Q. What types of drives are supported?
A. As indicated on the first page of the manual, this enclosure only accepts M Key NVMe SSDs. It's important not to confuse this with M.2 SATA drives, older M.2 PCIe drives, or even mSATA drives, or any proprietary drives from Apple systems. This enclosure does support M.2 2230 and 2242 drives, which are more commonly used after the advent of the Valve Steam Deck and Asus Legion Go, but does not accept 22110 enterprise drives. Single and double-sided drives are both accepted.

Q. What else should be known about connecting this enclosure?
A. Connecting this enclosure to a USB Type-A port with the assistance of an adapter or native Type-C to Type-A cable will work, although the speed of the port may in some cases reduce performance to 5Gbps (USB 3.2 Gen 1x1). Due to encoding differences, this would be less than half the maximum speed capable with a 10Gbps port. Although this drive is bus-powered, it may not function properly with all mobile devices - that means smartphones, tablets, hubs, and more. Check host requirements and data limitations before attempting to connect the drive.

Please contact our Technical Support Team for additional troubleshooting

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