

Thank You

For Choosing VantecUSA Product.

We are committed to providing you with the best service and support. If you have a problem with installing, getting the product to function or other product related question, please feel free to write to us. We will help you answer your question.

You can write to us at : support@vantecusa.com
For the latest Drivers, Manual and Frequently Asked Questions (FAQ), they are available at our website at vantecusa.com or write to us.



QRCode to product Page,
Drivers, Manual, and FAQ.

Thank you,
VantecUSA Support Team.



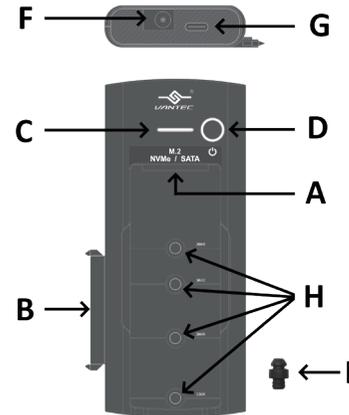
Installation Guide



1. Verify packaging contents.

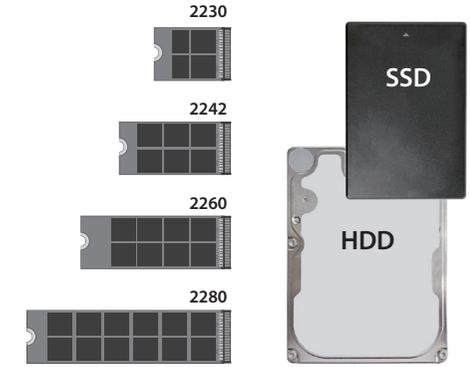
If you notice any missing items, please write to support@vantecusa.com for help immediately within 14 days of receiving your product.

Note: Only 1 M.2 Locking Mount is needed to mount your M.2, it is already mounted, and another is a spare.



2. Identifying unit functions:

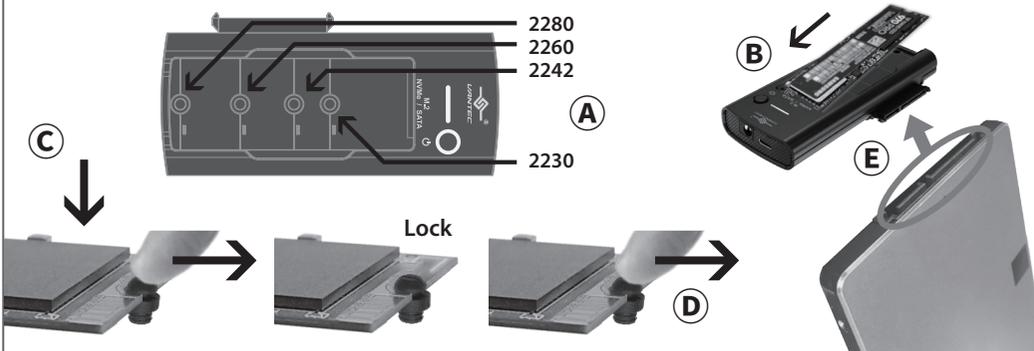
- A) M.2 NVMe / M.2 SATA Interface
- B) 2.5"/3.5" SATA SSD/HDD Interface
- C) Power LED Status (no activity LED)
- D) Power Button
- E) M.2 Locking Mount
- F) Power Connector (For Optional AC adapter)
- G) USB C Downstream Port
- H) M.2 mounting hole, 2230/2242/2260/2280



3. This adapter supports M.2 NVMe, M.2 SATA, and standard 2.5"/3.5" SATA III/II/I drive. Before you unpack your drive from the manufacturer's packaging, please be aware that this is a sensitive device and can be damaged by Static Electricity. Please ground yourself before handling them and hold them by the edge of the drive.

IMPORTANT NOTE:

This is a 3 in 1 adapter, there are three interfaces that you can use but you can **ONLY** connect one at a time. You **CANNOT** leave more than 1 interface connected. Only the storage you are using may be connected.



4-1. Mounting M.2 NVMe / M.2 SATA

- (A) If your M.2 module is shorter, unplug the M.2 Locking Mount from the M.2 Mounting Hole and move to the right mounting hole matching your M.2 size.
- (B) Insert your M.2 module at an angle into the M.2 interface.
- (C) Push down your M.2 module and Peel back the M.2 Locking Mount to lock your M.2 module in place.
- (D) If you need to remove your module for any reason, just peel back the M.2 Locking Mount far enough for your M.2 module to come off as shown.

4-2. Mounting 2.5" OR 3.5" SATA SSD/HDD

- (E) To mount 2.5"/3.5" SATA, align both SATA connectors (on the adapter and your 2.5"/3.5" drive), lay flat, and insert straight into the SATA connector. Make sure the SATA interface is fully inserted.



5. Connect the provided USB C cable to the Adapter, and connect the other end to a USB C port or USB Type-A port (using the C to A adapter) Make sure your computer is Powered on, and turn ON the power switch on the adapter. Your system OS should acknowledge a USB device connected.

See Back Page for FAQ and
Optional AC adapter information. →

6. Preparing the newly installed storage for use:
All new USB storage device needs to be initialized, partitioned, and formatted for the Operating System you are using before it can store data.
For the Windows Operating System, use Disk Management and for OS X, use Disk Utility.

IMPORTANT:
If your Storage is **NOT** new and contains important **DATA**, **DO NOT** initialize or format the drive.

For detail, instruction refers to the FAQ
"How to preparing a New storage, Hard Drive, or SSD for use with a system" on our website support section at www.vantecusa.com

www.vantecusa.com

CB-NSC300

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v1.0



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Frequently Asked Questions (FAQ)

IMPORTANT NOTE: ALL references to the 3.5" SATA Drive in this product imply the use of an Optional AC adapter.

- A. TO USE a 3.5" Hard Drive, you MUST use the Optional AC adapter because a 3.5" SATA drive requires more power than a USB Port can provide. USB port only provides 5VDC, and a 3.5" SATA HDD requires 12VDC.
- B. Your M.2 NVMe or M.2 SATA or 2.5" Standard SATA drive power requirement MUST be less than what your USB port can put out, else it will not work. Please check before you connect and use.

1) Since there are three interfaces, can I connect two storage at the same time and use them?

No, the design of this adapter allows you to use ONLY one interface at a time, meaning you can only connect one storage to use at a time.

After using one storage, perform a proper eject of the USB device, power off and connect the second device, and power back on to use another storage

2) Do I need to prep (initialize, partition, and format) a new drive before using the drive for Storage?

If you are using this adapter for storage, AND if the drives are NEW (no existing data on it), you will need to prep the new drive before use for the first time. Please follow the FAQ on our website for help preparing (initialize, partition, and formatted) the drives. For Windows OS, use Disk Management, for Mac OS X, use Disk Utility.

3) There are three interfaces, why can't I mount 3 drives?

The design of this adapter is for mounting only 1 drive. The M.2 NVMe, M.2 SATA, and the Standard SATA interface share the same channel, as a result, ONLY 1 drive is allowed to be mounted at one time.

4) Can I use this adapter as simple storage?

Yes, you can mount and it will see it as an individual drive letter or individual storage device.

5) Can I RAID them together with other storage?

No, you cannot.

6) What capacity drive can I mount on this adapter?

It is (1/2/4/8TB) for M.2 NVMe or M.2 SATA, and (1TB or more) for a standard 2.5" or 3.5" SATA drive. We are constantly testing new and bigger capacity drives and will update the storage capacity as soon as it is tested. As of this writing 5/20/2024, we have tested 20TB drive.

7) What is the LED on this adapter?

There is only one LED for the power. It will be RED for Power OFF and White for Power ON, there are no LED for Read/Write Activity.

When the LED is RED (Powered OFF), you can swap the storage.

Frequently Asked Questions (FAQ)

8) Can I use this adapter to do Cloning?

YES, you can Clone the following ways using a Laptop or Desktop installed with Cloning software:

Laptop or Desktop OS drive (SOURCE) >>> CB-NSC300 mounted storage (TARGET)

Other Storage (SOURCE) >>> CB-NSC300 mounted storage (TARGET)

CB-NSC300 mounted storage (SOURCE) >>> Other Storage (TARGET)

NOTE: the CB-NSC300 mounted storage can be M.2 NVMe, M.2 SATA, or 2.5"/3.5" Standard SATA. Other Storage can be another enclosure Storage or Secondary Storage in a Laptop or Desktop. We do not provide cloning software, most drive manufacturers provide free cloning software.

9) Can I use this adapter to perform a backup?

Yes, this adapter is very good for performing a backup of data from any source. You can perform a backup from or to this mounted storage device.

10) Do I need to add a heatsink for my M.2 SATA or M.2 NVMe?

It is good to mount a heatsink on your M.2, they generally run hotter due to the high speed of M.2. We designed the space around the M.2 with more space to accommodate a heatsink. There is ample space to mount M.2 NVMe with a mounted heatsink like Samsung 980 Pro with a heatsink or PNY CS3140 with a huge heatsink.

Here is the space measurement if you are using an M.2 mounted heatsink: (W) <=30mm x (L) 80mm x (BackDepth) 2.5mm (FrontDepth) >8.5mm

11) You mention this adapter requires an AC adapter if you are using a 3.5" SATA drive, what is the power requirement?

All 3.5" SATA III/II/I drives use 12VDC AND 5VDC, the total wattage may be more than 20watts, this amount of power is not available on USB. An AC adapter is required. This AC adapter must be able to provide at least 20 watts of power to the drive. This adapter comes with a power plug for 12VDC, 2A or better. Below is a recommended Optional AC adapter.

OPTIONAL AC ADAPTER requirement: Universal Auto-Switching 100-240 AC, Output, 12VDC, 2A-3A, Center Pin Positive, Outer Dia: 5.5mm, Inner Dia: 2mm, Barrel Length: 10mm.

If you are sourcing your own AC adapter, make sure it meets the specs mentioned above and has all the safety features marked (like UL, FCC, CE, and Energy efficiency) on the AC adapter.

12) What is the speed of the adapter?

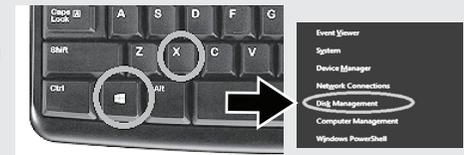
This adapter is capable of USB 3.2 Gen2x1 (10Gbps), speed may vary due to different systems, USB Host, and devices.

Preparing storage for use:

Windows 10/11 Disk Management

Note: If you have important data on this drive, DO NOT go any further, please backup your data on this drive before you continue. These steps will erase ALL your data on the drive.

For Windows 8/10/11, hold the Windows logo key on your keyboard and press "X" (Winkey+X). This will launch a popup window and select disk management.

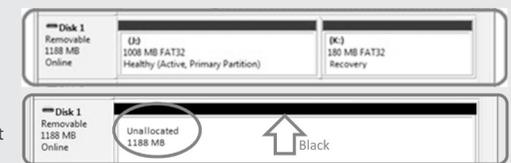


After bringing up the disk management screen, you should see the two halves of that column, the top showing the logical information and the bottom showing the PHYSICAL DISK section.



Each ROW represents a PHYSICAL DISK. Sometimes, there are one or more partitions in a disk. In this example, there are two partitions on Disk#1.

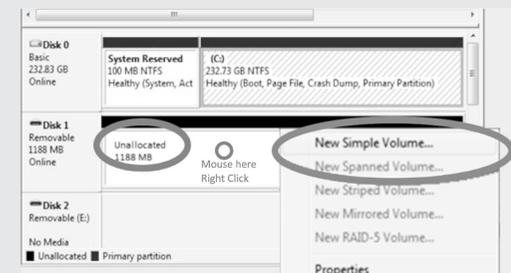
Once we are sure this is the right disk to erase, we can start from the right to left on each box, In this example start with (K:).



Right-click and select delete volume. Clean out both partitions and you should see unallocated after the erase is done.

Now right-click the unallocated space and click Create a New Simple Volume shown below:

Follow the on-screen wizard by clicking Next. Specify your volume size, if you are not sure use the default and click Next. The OS will assign a drive letter to the drive, if you are not sure use the default and click Next.



Format the partition and name the volume, if you are not sure use the default. Now click Finish and it will start formatting the drive to get it ready for use. Once done, the disk will be ready for use with a drive letter specified earlier.

YOU ONLY HAVE TO DO THIS ONCE IF THIS IS A NEW DRIVE.