

IMPORTANT:

READ THIS WHOLE Install Guide FIRST before USE this Adapter

Thank You For Choosing VantecUSA Product.

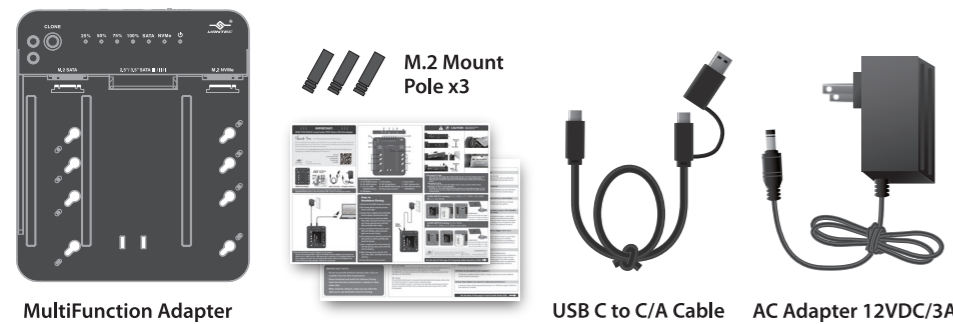
We are committed to providing you with the best service and support. If you have a problem with installing, getting this product to function, or other product-related questions, please feel free to write to us. We will help you answer your questions.

You can write to us at: support@vantecusa.com For the latest information and FAQ, they are available at our website at vantecusa.com or write to us.

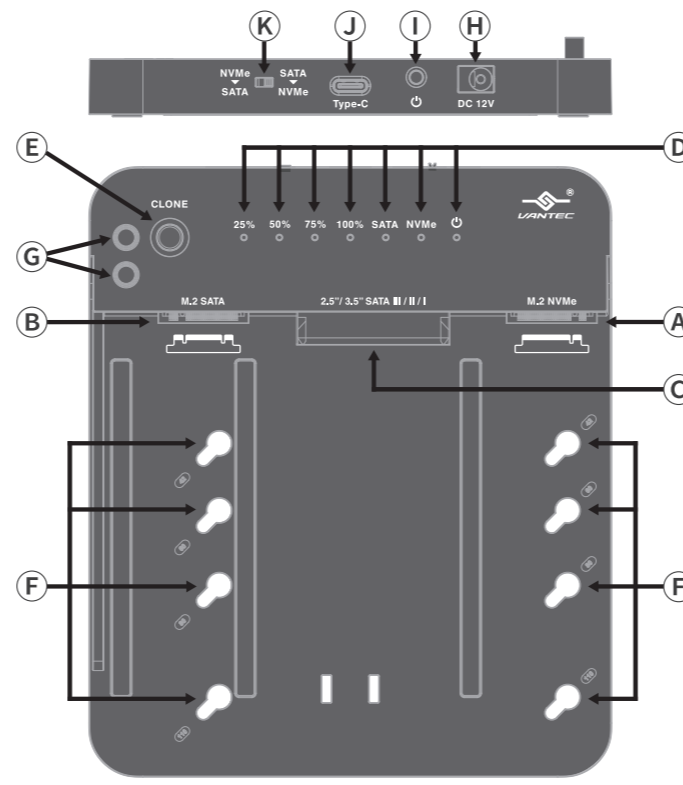


Thank you,
VantecUSA Support Team.

QR Code
to this Product Page,
Specifications,
Install Guide,
and FAQ.



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.

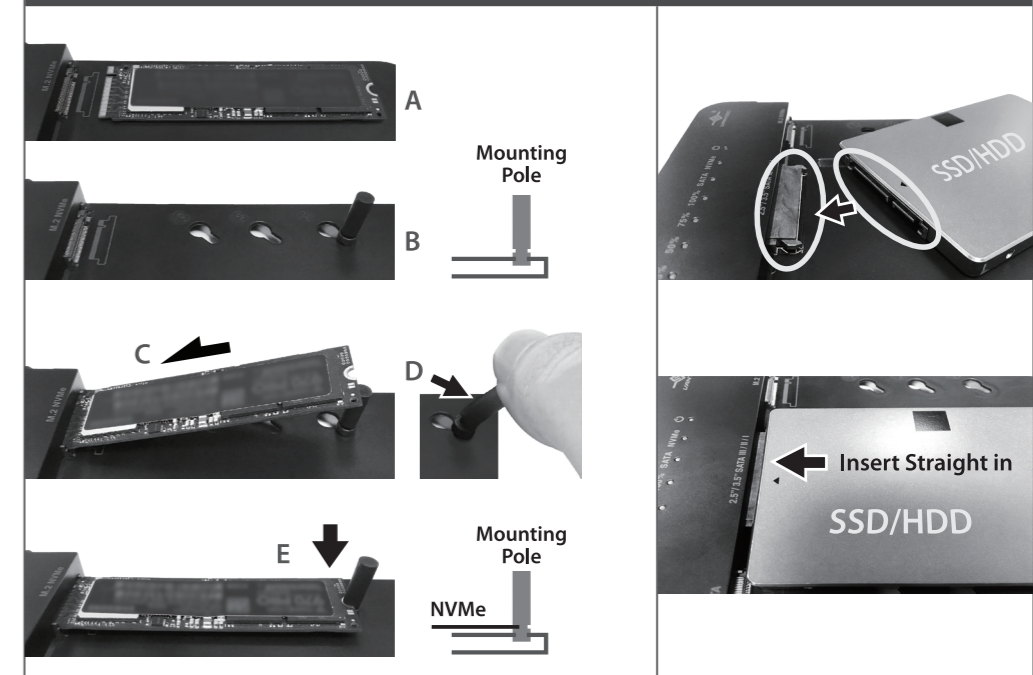


2) Identifying unit functions:

- | | | |
|-------------------------------------|---------------------------|---------------------------------------|
| A) M.2 NVMe Interface | E) Clone Button | I) Power Switch |
| B) M.2 SATA Interface | F) M.2 Locking Mount | J) USB C Upstream Port |
| C) 2.5"/3.5" SATA SSD/HDD Interface | G) M.2 MOUNT POLE Storage | K) Clone Direction Switch (IMPORTANT) |
| D) LED Status | H) Power Input Connector | |

CAUTION

Static Sensitive Devices
Handle with Care



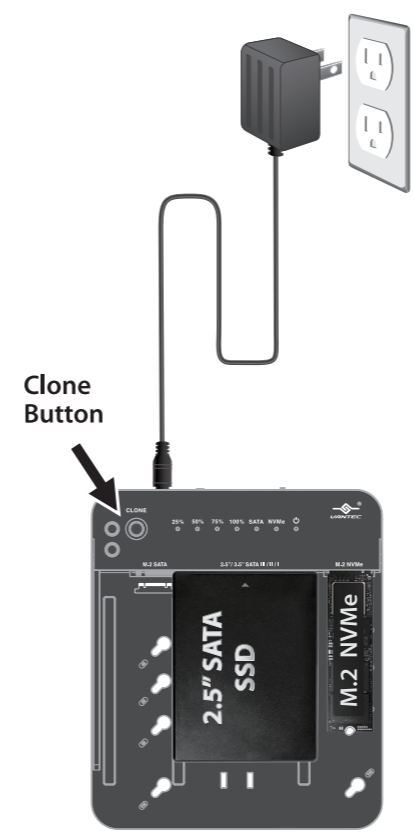
3) Mounting M.2 NVMe
(A) Check your M.2 length, (B) set Mount Pole into the correct M.2 length position, (C) align and insert M.2 NVMe into the M.2 NVMe interface at an angle, (D) push back Mounting Pole, and (E) Push down M.2 for the Pole to lock on to the notch of the M.2 as shown.

Mounting M.2 SATA
Follow the steps listed on the M.2 NVMe, but do it only on the M.2 SATA interface.

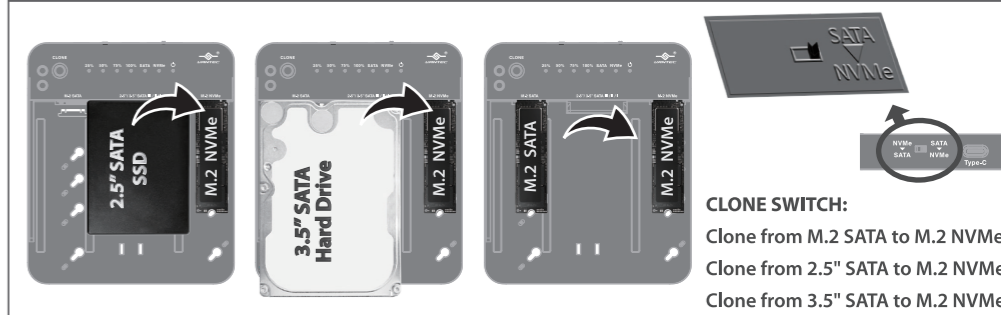
Mounting 2.5" OR 3.5" SATA SSD/HDD
To mount 2.5"/3.5" SATA, align both SATA connectors (on the adapter and your 2.5"/3.5" drive), lay flat, and insert straight into the SATA connector. Make sure the SATA interface is fully inserted.

Steps to Standalone Cloning

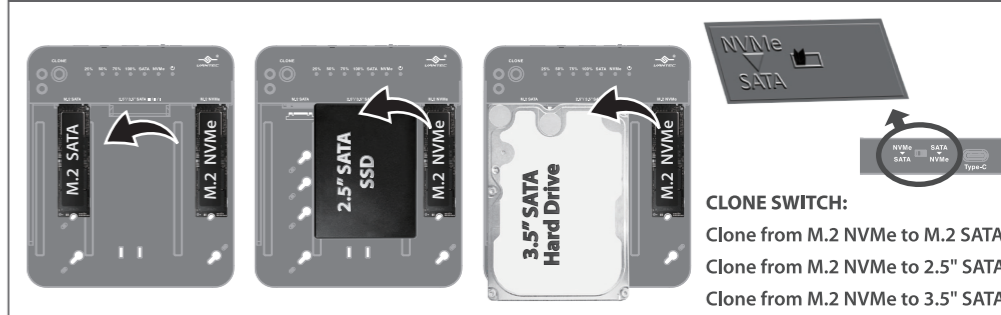
- 1) Mount the M.2/SATA storage for cloning.
- 2) SET cloning Switch using the pictures shown on the right.
- 3) Connect the ac adapter to the wall outlet and the adapter (See Red Power LED).
- 4) Turn ON the power switch (See White Power LED), and wait for the drive to spin up if using a spinning drive until both SATA and NVMe LED are Blue.
- 5) Press and hold the Clone button until 4 LEDs start flashing, release and press again once to start cloning.
- 6) The cloning process will start and the 25% LED and the two SATA and NVMe LEDs should be flashing.
- 7) Upon completing 25% of the cloning the 25% LED will stay solid, and the 50% LED will start flashing.
- 8) When Cloning is done, the 25%, 50%, 75%, 100%, SATA, and NVMe LED will stay solid blue.
- 9) Power Off and remove your drive.



CLONE SWITCH Setting for 2.5" SATA or 3.5" SATA or M.2 SATA TO >>> M.2 NVMe



CLONE SWITCH Setting for M.2 NVMe TO >>> 2.5" SATA or 3.5" SATA or M.2 SATA



4) Connect the Multi-Function Adapter to your system. Connect the provided USB C cable to the Multi-Function 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 Power ON, and turn ON the power switch on the adapter. Your system OS should acknowledge a USB device connected.

See the back of this page for Frequently Asked Questions (FAQ)

Steps to Perform Software Cloning

- 1) Mount the M.2/SATA storage for cloning.
- 2) Connect the USB cable to your Computer system and this adapter.
- 3) Connect the ac adapter to the wall outlet and the adapter (See Red Power LED).
- 4) Turn ON the power switch (See White Power LED), and wait for the drive to spin up if using a spinning drive until both SATA and NVMe LED are Blue. Since you are doing software cloning, there is NO need to use the Clone Switch or Clone Button.
- 5) Install the Cloning Software per your drive manufacturer's instructions.
- 6) Start the Clone Application and follow the instruction per your drive manufacturer. The Application will see both physical drives mounted on the adapter.
- 7) During the Software Cloning function, only the LED on for the SATA and NVMe will be flashing during the read/write operation.
- 8) Upon completion of the Clone process, exit the cloning software and perform a proper USB eject to both drives, and power OFF the adapter.



IMPORTANT NOTE:

We do not provide Software Cloning Tools. They are available from the drive manufacturer.

Please Download and Install the Software Cloning Tools from the drive manufacturer's website or other online sites.

When using the software, make sure you select the right source and destination drive for Cloning.

Frequently Asked Questions (FAQ)

1) Do I need to prep (initialize, partition, and format) a new drive before cloning?

New drives do not need to be prep (initialize, partition, and formatted) if you are cloning them. The Cloning process will copy exactly the info from the source drive.

2) Do I need to prep (initialize, partition, and format) a new drive before using the drive for Storage (NOT CLONING)?

If you are using this adapter for storage (NOT Clone), AND if the drives are NEW, you will need to prep the new drive before use. Please follow the FAQ on our website for help preparing (initialize, partition, and formatted) the drives.

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

The design of this adapter is for mounting only 2 drives. The M.2 SATA and Standard SATA interface is sharing the same interface, as a result, ONLY 2 drives are 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?

Sorry, you cannot.

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

As of this writing 12/8/2022, It is 8TB for M.2 NVMe and 20TB for 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. If you have a request, please write to us directly at support@vantecusa.com.

7) What are the LEDs on this adapter?

There are 7 LEDs on the adapter, here are the description of the LEDs.

LEDs - 25%, 50%, 75%, 100%:

These are the status of the Standalone cloning. During the Standalone Cloning process, when it completed 25% of the sectors to sectors cloning, the 25% LED will stay solid. While 50%, 75%, and 100% will continue to flash. This will give you an indication of how much longer it is going to take to finish up to 100%.

LEDs - SATA, NVMe:

The SATA LED is for drive activity for the SATA drive, this can be the M.2 SATA or the 2.5" or 3.5" SATA drive. If there are any read or write operations, the LED will flash.

The NVMe LED is for drive activity for the M.2 NVMe drive. If there are any read or write operations, the LED will flash.

LED - Power:

This LED will be Red if power is connected to the wall outlet, but the power switch on the rear is NOT turned ON. It is safe to mount or dismount drives.

The LED will be White if power is connected to the wall outlet, and the power switch on the rear is turned ON. DO NOT mount or dismount drives since Power is ON, it is NOT HotSwappable.

8) How to activate the Cloning process?

First set the CLONE switch (direction of the Cloning) correctly. Second, Press and hold the CLONE BUTTON until the 25%, 50%, 75%, and 100% LEDs start flashing (about 3 seconds), release the CLONE BUTTON, and press again once to start cloning.

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

Yes, this adapter is very good for performing a backup of data from any one of the three storage Interfaces. You can also perform a backup from or to these mounted storage devices.

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 design the space around the M.2 NVMe with more space to accommodate a heatsink.

11) You mention this adapter will accommodate newer M.2 modules that support 25mm wide, how is that done?

The current M.2 module are all 22mm wide and the maximum length is 110mm (2242, 2260, 2280, 22110). There is a recent change in the specs for the wider 25mm module. That makes many M.2 enclosures unable to hold these new wider modules. We designed this into the adapter and you can grow with it. This adapter can accommodate M.2 sizes of 2242, 2260, 2280, 22110, 2542, 2560, 2580, and 25110. The maximum M.2 size of 25x110mm.

12) Can I use the Standalone clone to Clone a Bigger drive to a Smaller drive?

Sorry, that is not possible, the design of the Standalone clone is a sector to sector clone, it is not possible to clone more sectors to fewer sectors, but you can use software cloning, software cloning is based on data, not sectors, you will have more flexibility to adjust the cloning function like sizing Partition and cloning only the partition that you like.

13) Can I clone a boot drive?

Generally, Yes, you can if you are using sector to sector or software clone. Some problem with cloning a Boot drive is when you clone one drive that was linked to a motherboard chipset and clone to a boot drive that uses a PCIe bus to boot. You may have to do some changes to the booting to correct the problem. This is NOT a problem with this adapter cloning design, but everything with YOUR Boot device changing from booting via chipset to booting off PCIe. If you need further help, please write to us directly at support@vantecusa.com.

14) 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.

15) Can this adapter be used as a Bus-powered device?

It cannot be used as a Bus-powered device because a 3.5" SATA drive requires 12VDC and that requires an ac adapter.

See the back of this page for Quick Install Guide (QIG)

