

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 the package contents.

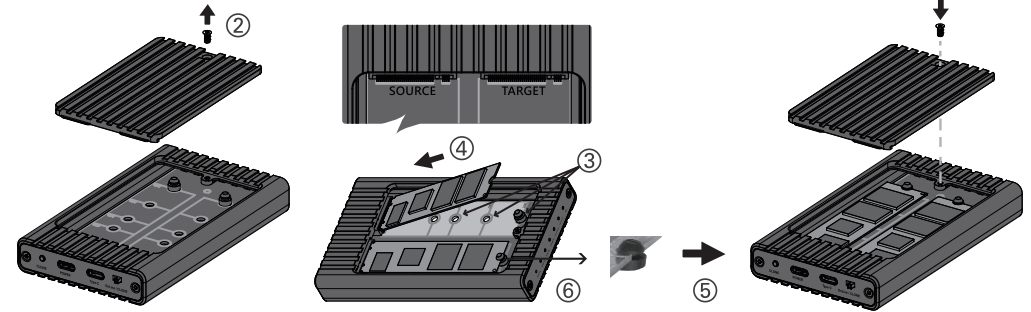
Note:

- A) Only TWO rubber Standoff is needed to mount your TWO M.2 NVMe Module, the rubber Standoff is already mounted, and another is a spare.
- B) One screw for the Casing Cover Plate is secured to the enclosure, and another spare screw is provided. Do not lose the spares.



CAUTION

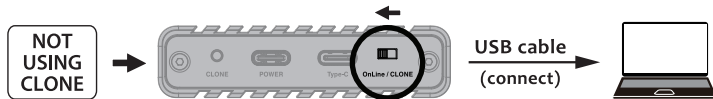
Static Sensitive Devices
Handle with Care



- 2) Remove one top screw holding the Casing Cover Plate with the provided screwdriver and lift to remove the Cover Plate.
 - 3) Your M.2 module may come in different lengths. If your M.2 module is shorter, unplug the rubber standoff from the PCB and move to the right mounting hole matching your M.2 size.
 - 4) Insert your M.2 module at an angle into the M.2 interface on the Printed Circuit Board (PCB). Push down your M.2 module.
 - 5) Peel back the rubber standoff to lock your M.2 module in place.
 - 6) If you need to remove your module for any reason, just peel back the rubber standoff far enough for your M.2 module to come off as shown.
 - 7) Thermal pads are already applied to the Casing Cover Plate, Peel off the blue protective film exposing the Thermal pad. Close the Casing Cover Plate and secure the screw for the Casing Cover Plate. The Storage is ready.
- Note: The Capacity of the SOURCE SSD must be smaller than OR equal to the Capacity of the TARGET SSD.

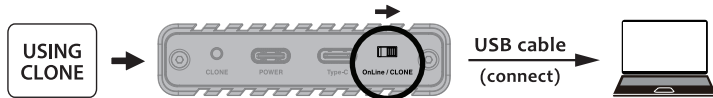
8) NOT USING CLONE, USING AS A USB STORAGE DEVICE

If you don't need to use the clone function and only need to read data from your USB storage, please switch the toggle to the left (online) and connect the main USB cable to your Computer's USB port. You will have access to your data.

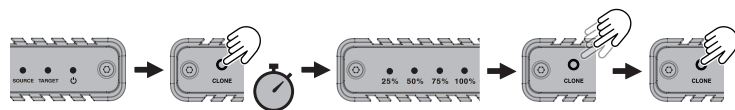


9) USING CLONE FUNCTION, CLONING FROM SOURCE SSD TO TARGET SSD

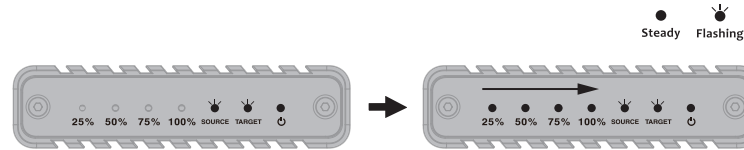
A) SWITCH SETTING: If you need to use the clone function, please switch the toggle to the right (Clone). At this point, the computer will not be able to access the data.



B) START CLONE: Connect the main USB cable to your Computer's USB port. After the power indicator light and the two SSD indicator lights stay on, press and hold the clone button. When all four clone indicator lights are on, release the button and press it again briefly. The cloning process will start.



C) CLONING PROCESS: If the cloning process is started successfully, the two SSD indicator lights will flash, and the four cloning progress lights will light up in sequence at 25%, 50%, 75%, and 100% until all four lights are on, indicating that the cloning is complete.



IMPORTANT NOTE:

10) POWER REQUIREMENT: It is recommended to use a standard USB 5V power supply to assist in powering when using two SSDs at the same time. You can plug the power USB (Orange one) into a standard USB 5V power source. At this time, both USB ports on the devices will supply power to the SSDs to ensure sufficient power supply.

Caution Notice:

Before you unpack your NVMe module and install your NVMe into the enclosure, please be aware that these are sensitive devices and can be damaged by Static Electricity.

Please ground yourself before handling them and hold the module by the edge of the module.

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

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





Frequently Asked Questions (FAQ)



1) What is the capacity for both of the M.2 Modules?

If you are using the Cloning Function, the SOURCE must be Smaller or Equal in sectors to the TARGET.

If you do not plan to do any cloning, both M.2 NVMe slots can be of any size.

2) How do I clone a drive?

a) mount SOURCE M.2 NVMe on the slot label SOURCE.

IMPORTANT NOTE: When you Clone a drive, MAKE SURE there is nothing IMPORTANT on your TARGET drive because it will be written over and not possible to recover once it is done.

b) mount TARGET M.2 NVMe on the slot label TARGET.

c) Set the switch to Clone Mode.

d) connection power to the enclosure either via the orange USB C (power Only) port and to your 5VDC AC adapter OR USB-C port to your computer for power.

e) Once the power comes ON with the power indicator light and the two SSD indicator lights stay on, press and hold the clone button. When all four clone indicator lights are on, release the button and press it again briefly. The cloning process will start.

f) If the cloning process is started successfully, the two SSD indicator lights will flash, and the four cloning progress lights will light up in sequence at 25%, 50%, 75%, and 100% until all four lights are on, indicating that the cloning is complete.

g) The Cloning is done, you can now unplug the power to the enclosure to remove the cloned M.2 if you need to.

3) How do I use the M.2(s) mounted in the enclosure just for access data storage?

a) If you are planning just to use it to hold data as a storage device, you can mount one or two M.2 NVMe in the enclosure.

b) If the mounted M.2 is new, you will need to prep it only ONCE (just like any new storage, initialize, partition, and format the drive) and it will be ready to use.

c) The two M.2 will have their drive letter like you normally use for USB storage see drive letter like E: or F: etc.

d) For prepping the drive, If you are using Windows OS, use Disk Management. For OS X, use Disk Utility. For Linux, follow your version of Linux like mkfs command or Gparted.

4) Can I do both Clone and also use it online?

a) Yes, you can, here is how.

IMPORTANT NOTE: When you Clone a drive, MAKE SURE there is nothing IMPORTANT on your TARGET drive because it will be written over and not possible to recover once it is done.

b) Since for cloning, your SOURCE must be smaller or Equal in sectors to the TARGET, this rule still applies as mentioned in the above cloning steps.

c) After the clone, you can switch to online mode and your system will see both drives but will not be readily available here is why. When an OS see two drive that was cloned and is completely identical, the OS will complain and prevent access to one of them. After the Clone process, the two drives will have the exact identical drive ID, the OS will not know which is which, it will normally put one online and assign a drive letter to it, while it takes the other drive offline. You can see it in Disk Management showing the second drive is offline. This is a normal step for your OS to take.

d) If you want to put the other offline drive back online, you can easily use Disk Management to do so. Once you put the other offline drive back online, the OS will assign a new drive ID and drive letter to this drive.

5) IMPORTANT POWER REQUIREMENT

What power do I need to run this enclosure?

a) This enclosure by itself uses very little power like 5V, 100mA.

b) It is your M.2 NVMe that is going to consume more power. Here is what is required. Read what is on your M.2 NVMe module label, often it will state power info like 3.3V, and 2.5A. This value is for one M.2 NVMe module. Take $3.3V * 2.5A = 8.25$ watts needed to run this M.2 module. Next do the same to the second module and add them together. If both are the same, it will total up to 16.5 watts.

c) Next find out what your USB port on your computer can provide. If your USB port can provide 16.5 watts, you are good to go.

d) If your USB port cannot provide enough, please use the orange power port to supplement the power to your drive and make sure the total power provided to the enclosure plus drives is enough.

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

