

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, Manual, and FAQ.

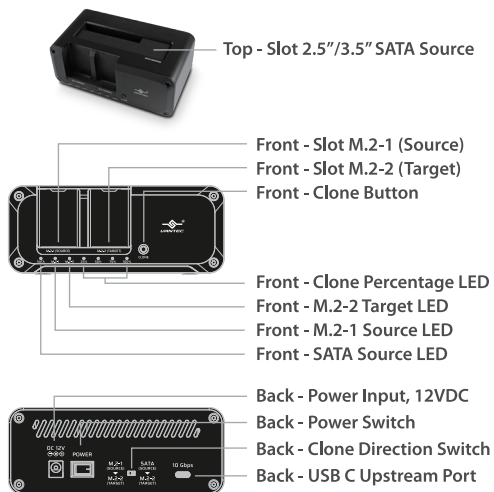
Thank you,
VantecUSA Support Team.



1 Introduction

This Quick Guide will help you do the following:

- 1) Introduce you to this product
- 2) Know what is in this package
- 3) Understand the LED function
- 4) How to mount and use this dock
- 5) Common Frequently Asked Questions



2 Package contents



Note: If the package is not complete, please contact the place of purchase within 7 days.

3 LEDs Indicator

Dock LED

LED	Status
SATA Source	<ul style="list-style-type: none"> • Solid Blue = hard drive detected in slot • Flashing Blue = Data Access (read/write) • OFF = Empty drive bay or in standby mode or HDD Failed • During Cloning = Show Solid Blue
M.2-1 Source	<ul style="list-style-type: none"> • Solid Blue = M.2 module detected in slot • Flashing Blue = Data Access (read/write) • OFF = Empty drive bay or in standby mode or M.2 Failed • During Cloning = show Solid Blue
M.2-2 Target	<ul style="list-style-type: none"> • Solid Blue = M.2 module detected in slot • Flashing Blue = Data Access (read/write) • OFF = Empty drive bay or in standby mode or M.2 Failed • During Cloning = show Solid Blue

Clone Mode LED Indication

LED	25%	50%	75%	100%
Clone 25%	●	⬆	⬆	⬆
Clone 50%	●	●	⬆	⬆
Clone 75%	●	●	●	⬆
Clone 100%	●	●	●	●

● Solid ⬆ Flashing

SECTION 4 Insert and Mount Hard Drive(s) or SSD(s)



1. The design of this 3 bay dock is simple. One SATA slot on the top for 2.5"/3.5" SATA SSD/HDD, Two M.2 slot for M.2 NVMe only module. To insert and mount the SATA drive, align and insert the drive with the Drive's SATA connector onto the SATA connector in the slot. You can mount a 2.5" or 3.5" SATA HDD or SSD. The two M.2 slots are for M.2 NVMe, just align and insert the M.2 NVMe into the slot. This two M.2 NVMe is also designed for M.2 NVMe module with mounted heat sink or newer wider M.2 2580 or 25110 module.

2. To remove the SATA 2.5"/3.5" drive, pull the drive vertically straight up from the Bay. Same for the two M.2 NVMe module.



NST-DM12C31

www.vantecusa.com

Model: NST-DM12C31
Dock Support: M.2 NVMe; SATA III/I/I, HDD/SSD/Hybrid Drive
Dock M.2 Size: 2230/42/60/80/110, 2580/25110*
Dock SATA Size: 2.5"/3.5" SATA SSD/HDD/Hybrid Drive
Internal Interface: Two M.2 NVMe, One Standard SATA III/I/I
External Interface: USB 3.2 Gen2x1 Type C
Interface Cable: Type C to C/A
USB cable Length: 100 cm / 39 inches
Power Supply: Switching AC adapter, Output: 12VDC, 3A
Storage Device Capacity: High Capacity M.2 NVMe (1/2/4/8/16/32TB)
High Capacity SATA III SSD/HDD (>20TB)***
Stand Alone Clone Speed: M.2 NVMe to M.2 NVMe ~ 1TB/20 minutes**
Material: Heavy Duty ABS, Metal
Dimension: 144 x 83 x 59 mm / 5.67 x 3.27 x 2.32 inches
Weight: 290g / 10.2 oz. (dock only)
* Support M.2 NVMe with mounted heatsink width <28mm.
** Approx Clone Speed with Samsung 970 Pro, other media may vary.
*** May support bigger capacity drive when available.

System Requirements:

- Windows OS (7/8/10/11) / OS X 10.6 or later / Latest Linux OS
- Computer with USB 3.2 Gen2 Type C/A

Package Contents:

- Triple Bay Dock, USB cable, Universal Switching AC adapter, Quick Guide

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SECTION 5 Use Dock as a Standalone Cloning Dock

1. For Standalone Cloning, connect the AC adapter to the wall outlet and the Dock.

Note: For Standalone Cloning to function correctly, DO NOT connect the USB CABLE to the dock and system. The Clone function will not work if it is connected.

Stand Alone Clone Mode: > M.2 NVMe to M.2 NVMe
> 2.5" or 3.5" SSD/HDD to M.2 NVMe

2. Insert the SOURCE Drive into the Slot marked "SOURCE" and TARGET Drive into the Slot marked "TARGET" as labeled on the Dock.

Note: 1. The capacity of the TARGET DRIVE must be larger or exactly equal in sector size to the SOURCE DRIVE, otherwise the cloning process will not start.

2. Drive capacity greater than 2TB must be in GPT mode.

3. **IMPORTANT**, Set the CLONE DIRECTION SWITCH on the back of the Dock in the right direction.

You have two choices: >> M.2-1 (SOURCE) to M.2-2 (TARGET)
>> SATA (SOURCE) to M.2-2 (TARGET)

4. Turn on the Power Switch on the back of the Dock and wait for the SOURCE and TARGET HDDs to spin up with the LED indicators.

5. Press the clone button (about 3-4 seconds) until the four clone LED indicators start to flash, release the clone button and press it again to confirm you want the cloning process to start. You will notice the drive LED stays solid and the clone percentage LED is all flashing. This is an indication that cloning is in progress.

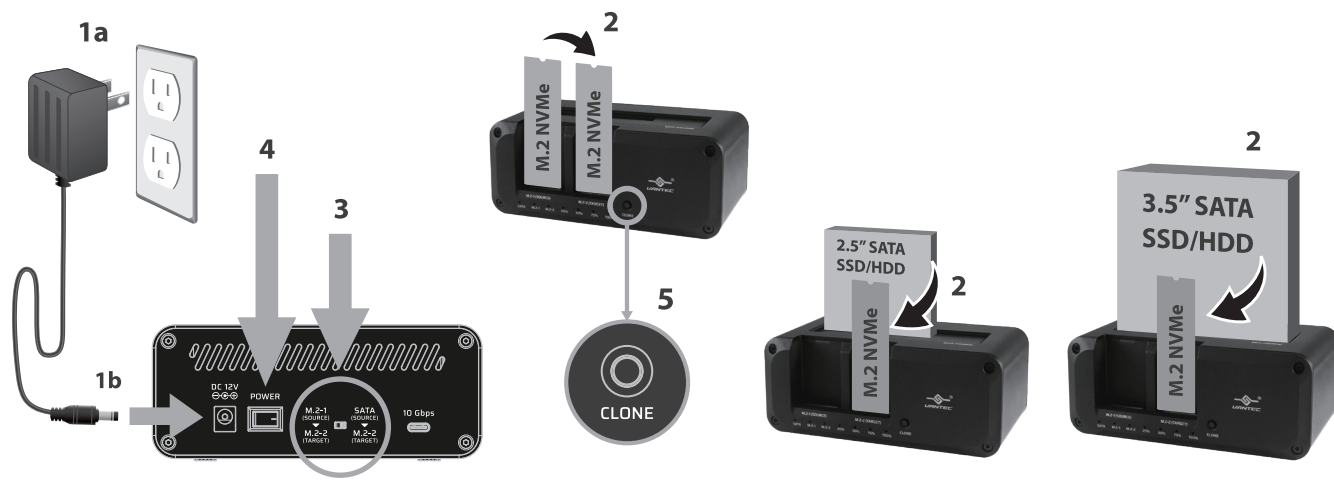
When **25%** of the drive has been cloned, the **25%** LED will stay solid.

When **50%** of the drive has been cloned, the **50%** LED will stay solid.

When **100%** of the drive has been cloned, all the **25%, 50%, 75%, and 100%** LED will stay solid.

This is an indication the cloning is completed.

You must **FIRST** power OFF the dock and **SECOND** remove the Drives.



SECTION 6 USB Dock as a USB Storage Dock with 1/2/3 drive(s)

1. To Use this dock as a USB Storage Dock.

- Connect the AC adapter to the dock and wall outlet.
- Connect the USB cable to the Dock and USB port on the Computer.

2. Insert the Drive(s) as shown in **SECTION 4** and turn the Power switch ON

3. The system USB should detect the connected USB Dock and see the drive(s) and should be accessible via Windows Explorer. If the drive(s) are new (no data), please prep the drive(s) using OS tools before use.

How to safely remove the USB Dock from the System

1. Please use the **"safely remove hardware and Eject Media"** function to eject the Media.

Once it is done, the system message reports it is **"Safe to Remove Hardware"**.

2. Once safe removal has been completed, turn OFF the power on the Hard Drive Dock.

3. The Hard Drive may now be removed.

