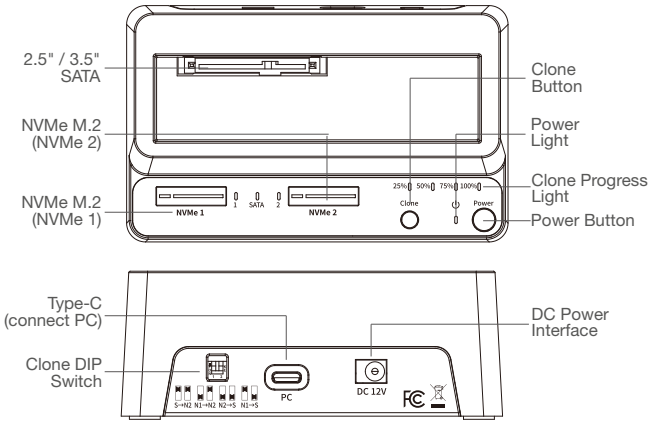
RS-N2S-CL

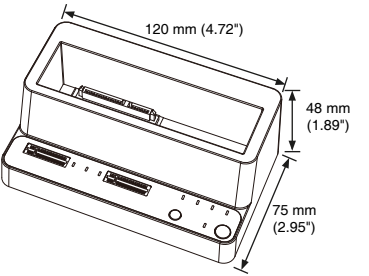
Thank you for purchasing a Rosewill Product.
Please read the instruction manual before use and retain for future reference.

PRODUCT OVERVIEW

Product Diagram



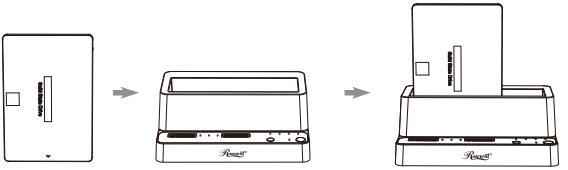
Dimensions (W x H x D): 120 x 75 x 48 mm (4.72" x 2.95" x 1.89")



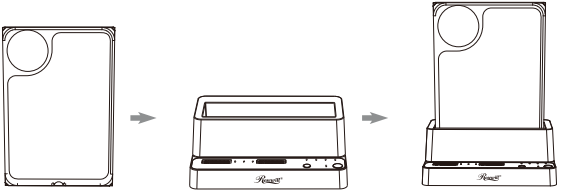
READ & WRITE FUNCTION

1. Insert HDD/SSD in corresponding port.

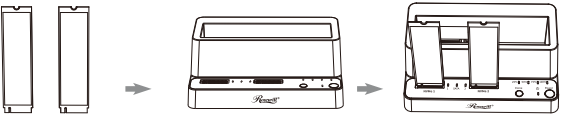
2.5 inch SATA SSD/HDD:



3.5 inch SATA HDD:

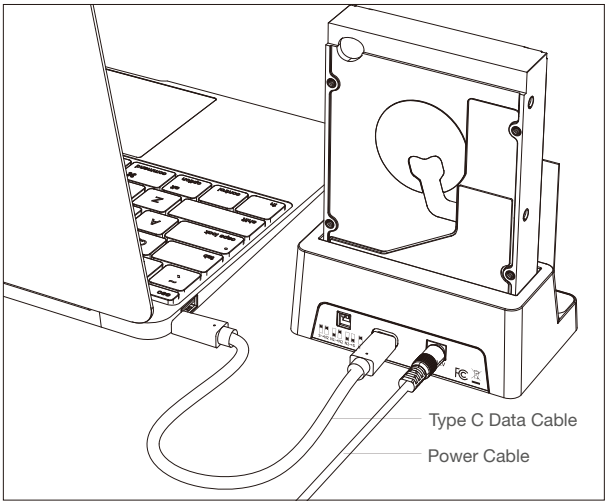


NVMe M.2 SSD:



READ & WRITE FUNCTION

2. Connect the docking station to power source with power adapter, connect to computer with type-C data cable.
3. Press the power switch, blue power light and white HDD/SSD light will be on.



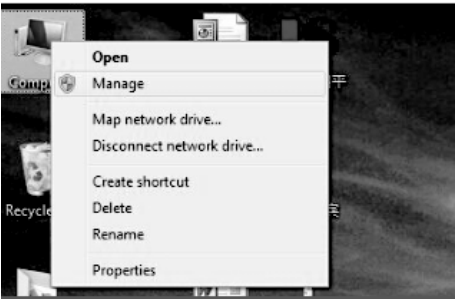
If your HDD/SSD is an already used hard drive, it will appear under "This PC" or "This Computer" and you can start normal use. If your HDD/SSD is brand new, you need to initialize, partition, and create a new partition before you can use it.

Warning: Formatting the HDD/SSD will erase all data. Please back up your data before proceeding with the formatting process!

NEW HARD DRIVE FORMAT

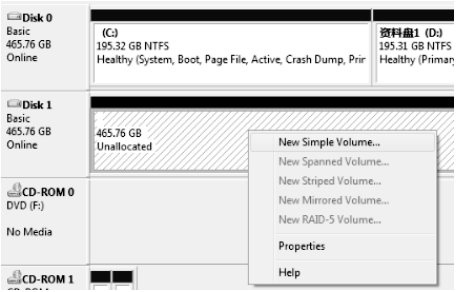
1. View “Computer-Manage-Disk Management” to find the new disk and format.

   Note: There are 2 format modes: “MBR” and “GPT". If the HDD/SSD is less than or equal to 2T, choose MBR, if larger than 2T, choose GPT.

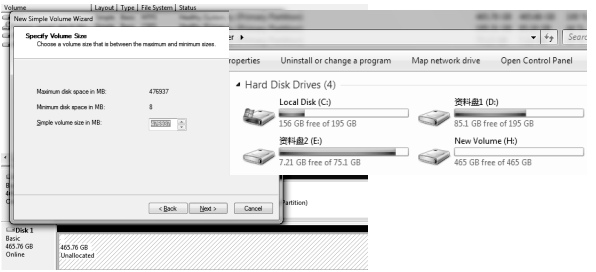


NEW HARD DRIVE FORMAT

1. Right click the “Disk 1" , then click “New Simple Volume”.

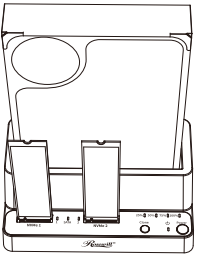


2. According to the instruction, choose the size of partition, then click “Next” to finish.
3. Then you can find the new hard disk in the “Computer", it's ready to be use.

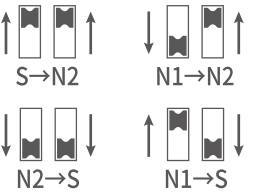


OFFLINE CLONE

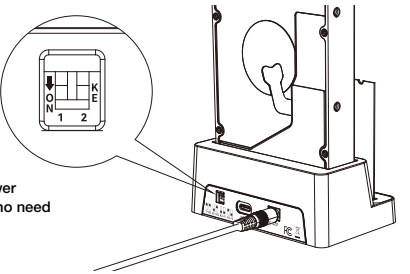
1. Insert HDD/SSD in corresponding port, back up the data before cloning, because cloning overwrites the original content of the target disk. **Target disk storage should ≥ source disk storage.**



2. Push the clone DIP switch to select the clone mode needed, as shown below.



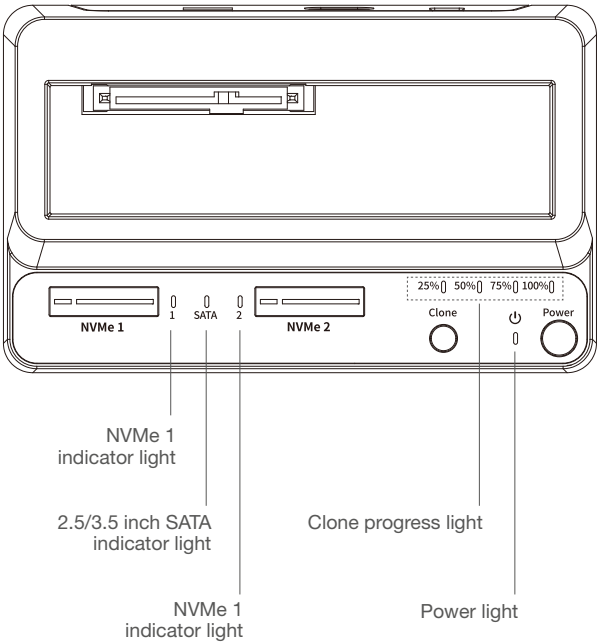
Clone DIP Switch



3. Connect the device to a power source with power adapter, no need to connect to PC.

OFFLINE CLONE

4. Press the power switch, blue power light will be on, white HDD/SSD light will be on.
5. Click the clone button for 2 times, 25% clone progress light and HDD/SSD light will flash, indicating that the cloning process has started.
6. When the 25% clone progress indicator light stays constantly on, it means 25% of the cloning process is complete. This will be followed by the 50%, 75%, and 100% lights staying constantly on. When all the clone progress lights are constantly on and the SSD light is also constantly on, the cloning process is completed. Turn off the power switch and carefully remove the HDD/SSD (be cautious of the hot surface of the HDD/SSD)



TROUBLESHOOTING

SSD Not Recognized

1. **Check Compatibility:** Ensure the M.2 SSD is **NVMe M.2**. This dock **does not support SATA M.2.**
2. **Power Cycle:** Turn off the dock and power it back on.
   ⚠ Hot-swapping is not supposed. Always power off the dock before inserting or removing M.2 SSD.
3. **Check Disk Status in Windows:**
   - Open **Disk Management** in Windows.
   - If one HDD/SSD appears offline after cloning, it may be due to a **disk signature collision** (Windows assigns only one drive letter to identical signatures).
   - To fix, right-click the offline drive and select **"Online"**.

Unabte to Start Cloning

1. **Disconnect USB Cable:** Ensure the dock is **not connected to the computer** when starting offline cloning.
2. **Restart Dock:** Turn off and then turn on the dock again.
   - Both **SATA** and **NVMe** indicator lights should be solid on.
3. Check Capacity:
   - The **target HDD/SSD must be equal to or larger** than the source HDD/SSD.

Cloning Stops Midway (Lights Stop Flashing)

- This may indicate **bad sectors** on the source or target HDD/SSD.
- Try replacing the faulty HDD/SSD and start the process again.

Missing Storage Space After Cloning

- If the **target HDD/SSD** is larger than the source, the remaining unallocated space can
  be found in **Disk Management.**
- Navigate to:
  - **Control Panel** → **Administrative Tools** → **Computer Management** → **Disk Management**
  - Right-click the unallocated space and select **"New Simple Volume"** to create a new partition.

IMPORTANT NOTES BEFORE CLONING

- **NVMe 1 can't work as target drive, so there is only 4 cloning modes as below:**
  (1) NVMe 1 → NVMe 2
  (2) NVMe 1 → 2.5"/3.5" SATA
  (3) 2.5"/3.5" SATA → NVMe 2
  (4) NVMe 2 → 2.5"/3.5" SATA
- If you are cloning a bootable HDD/SSD, after the cloning is completed, it is **not recommended to use both the source disk and the target disk on the same PC after the cloning is completed,** as this may damage the boot information and render them unusable as boot disks.

- **Back up all important data** before starting the cloning process.
- **The target HDD/SSD** must **have equal or larger capacity** than the **source HDD/SSD**.
- **Unplug the USB cable** from the dock during the cloning process.
- **Do not move** the HDD/SSD or **disconnect the power** while cloning is in progress.
- **Avoid touching the HDD/SSD** during operation.
  ⚠ HDD/SSD can become very hot while operating.
- Cloning time is based on the **total HDD/SSD capacity**, not the amount of data stored.
- Offline cloning is a **sector-by-sector hardware-level copy**.
  - This means the entire HDD/SSD-used or unused space - will be cloned, so cloning an empty or full SSD takes the same amount of time.

SPECIFICATIONS

Model	
Model Name	RS-N2S-CL
Specifications	
Product Name	3 Bays Docking Station / Duplicator for 2.5"/3.5" SATA HDD & NVMe M.2 SSD
HDD/SSD Supported	1x2.5"/3.5" SATA HDD/SSD & 2x NVMe M.2 SSD
USB Port	Type-C
Function	Read/Write HDD/SSD & Offline clone: (1) NVMe 1 M.2 SSD → NVMe 2 M.2 SSD (2) NVMe 1 M.2 SSD → 2.5"/3.5" SATA HDD/SSD (3) 2.5"/3.5" SATA HDD/SSD → NVMe 2 M.2 SSD (4) NVMe 2 M.2 SSD → 2.5"/3.5" SATA HDD/ SSD
Speed	NVMe 1 up to 8Gbps, NVMe 2 up to 10Gbps, SATA up to 6Gbps
Power Adapter	12V/3A
Size	120mm x 75mm x 48mm
Operation System	Windows / Mac OS / Linux / Android / IOS
LED light Indicator	Power light: blue (on when connected to power) HDD/SSD indicator light: white (on when connected, flash when clone & read / write) Clone progress light: blue (flash when clone, constantly on when clone finished)