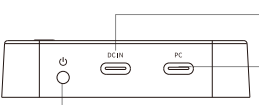
Thank you for purchasing a Rosewill Product.
Please read the instruction manual before use and retain for future reference.

PRODUCT OVERVIEW

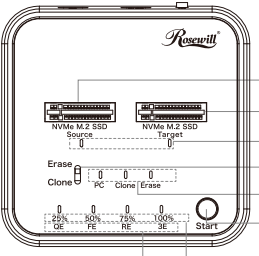
Product Diagram



DC(Power Interface)

PC(Connect to PC)

Power Button



M.2 NVMe/AHCI Slot

M.2 NVMe Slot

SSD Indicator Light

Erase/Clone DIP Switch

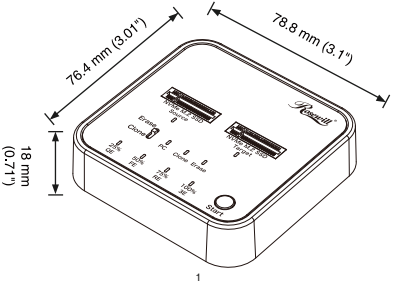
PC/Clone/Erase Mode Light

Start Button

Clone/Erase Process Indicator Light

Erase Method Indicator Light

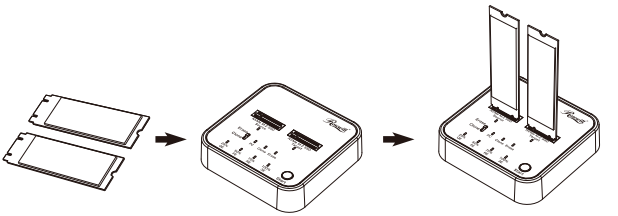
Dimensions (W x H x D): 78.8 x 76.4 x 18 mm (3.1" x 3.01" x 0.71")



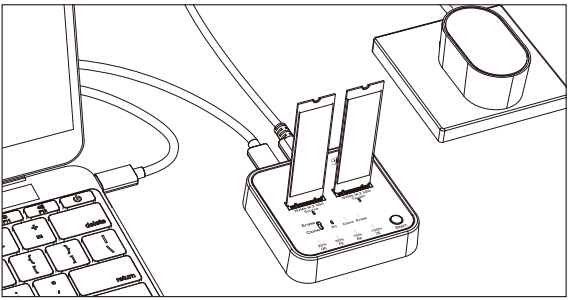
READ & WRITE FUNCTION

1. Insert your SSD, plug the power into DC IN port, connect the data cable to PC port, and connect the other end to your device.

PS: Only the source port can plug into the converted AHCI SSD.
AHCI SSD requires NVMe M.2 to AHCI Adapter Card (not included)



2. Press the power button, the corresponding white SSD indicator light on. If a SSD is abnormal, the SSD light indicator will be off or blink red.

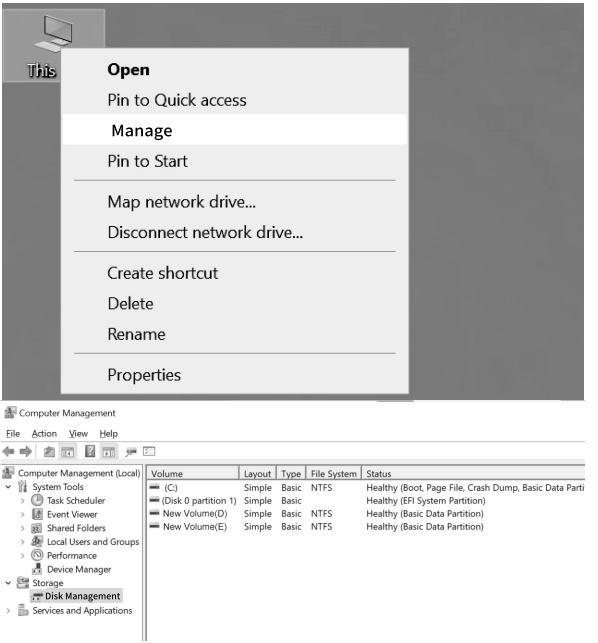


If your M.2 SSD is an already used hard drive, please find the new SSD in computer and you can start normal use. If your SSD is new, you need to initialize, partition, and create a new partition before you can use it.

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

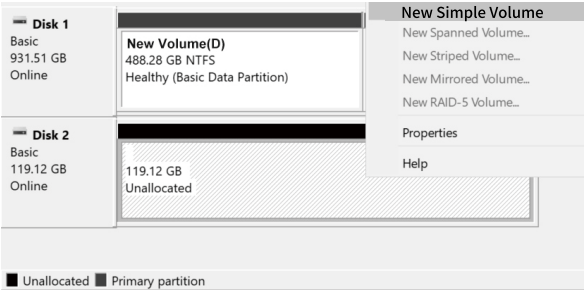
NEW HARD DISK FORMAT

1. View “computer-Manage-Disk Management” to find the new disk.



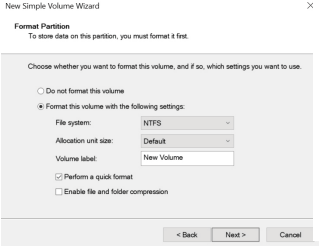
Note: There are two formats when initialization, please choose MBR if your drives are smaller than 2TB, choose GPT if your drives are larger than 2TB.

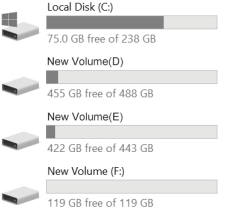
2. Right click the “Disk 1”, then click “New Simple Volume”.



3. According to the instruction, choose the size of partition, then click “Next” to finish.

4. Then you can find the new hard disk in the “Computer”, it’s ready to be used.



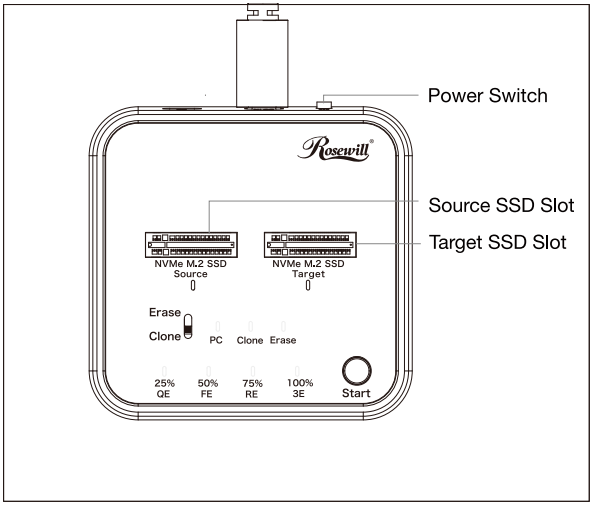


SSD CLONE

Make sure that the mode is “Clone” mode, not “Erase” mode !

1. Insert SSD into corresponding port, back up the data of your subdrive before cloning, because cloning overwrites the original content of the subdrive. Target disk storage should ≥ source disk storage, connect to power supply, no need to connect to USB C cable.

PS: Only the Source port can plug into the converted AHCI disk.
AHCI SSD requires NVMe M.2 to AHCI Adapter Card (not included)



PS: Target disk storage should >source disk storage

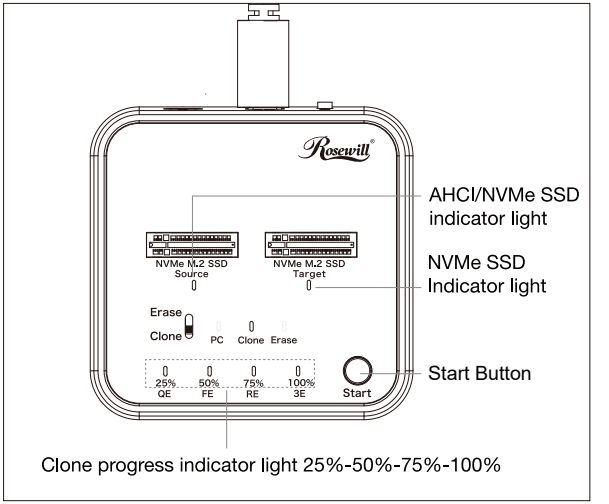
SSD CLONE

Make sure that the mode is “Clone” mode, not “Erase” mode !

2. **Push the Clone DIP switch to “Clone” position, Clone mode light remain constantly on. Press the power switch; the white SSD light will remain constantly on. (If the SSD is abnormal, the SSD light will either be off or blink red.)**

3. **Press and hold the clone button for 3-5 seconds until all clone progress lights begin flashing. Then, briefly press the clone button again. 25% clone progress indicator light will flashing, indicating that the cloning process has started.**

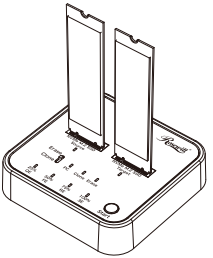
4. **When the 25% clone progress indicator light stays constantly on, it means 25% of the cloning process is complete. This will be followed by the 50%, 75%, and 100% lights staying constantly on in sequence. When all the clone progress lights are constantly on and the SSD light is also constantly on, the cloning process is complete. Turn off the power and carefully remove the SSD (be cautious of the hot surface of the M.2 SSD).**



OFFLINE ERASE

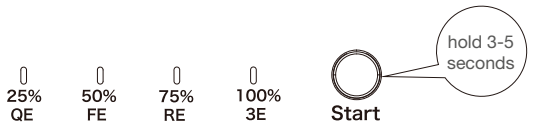
Make sure that the mode is “Erase” mode, not “Clone” mode !

1. Insert the target drive into the corresponding port. Please back up important data in advance, as the erasing process will permanently delete all data on the drive. Connect the power supply; there is no need to connect the USB-C cable.



2. Push the Erase DIP switch to “Erase” position, Erase mode light remain constantly on, the white SSD light will remain constantly on.

3. Press and hold the Start button for 3–5 seconds until the QE indicator flashes. Briefly press the Start button to cycle through the erase methods: QE, FE, RE, and 3E.

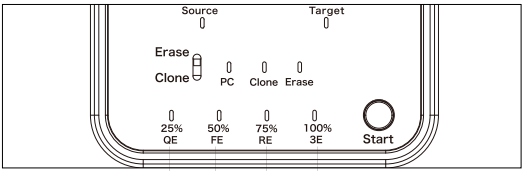


OFFLINE ERASE

Make sure that the mode is “Erase” mode, not “Clone” mode !

4. **Once the desired erase method indicator is flashing, press and hold the Start button for 4–6 seconds. The corresponding indicator will flash rapidly, unhold the "Start" button, 25% and SSD indicator light will flash, indicating that the erase process has started.**
5. **When the 25% progress indicator stays constantly on, it means 25% of the erasing is complete. This will be followed by the 50%, 75%, and 100% indicators staying constantly on in sequence. When all progress indicators are constantly on and the SSD light remains constantly on, the erasing process is complete. Turn off the power and carefully remove the SSD (be cautious of the hot surface of the M.2 SSD).**

Note:
- QE erase is completed very quickly.
- The erasure times of RE and 3E are relatively long.
- Some brands of SSD have a lower capacity than others, but their erasing time is actually longer. This is normal because the erasing time is related to the performance of the SSD, not just its capacity.
- If two drives of different capacities or brands are erased simultaneously, the progress indicators will display the erase progress for each drive respectively. If a drive finishes erasing, its status indicator will cease flashing and remain steadily lit.



QE: Quick Erase
– Rapidly initializes data

3E: Triple Erase
– Performs three overwrite passes.

FE: Full Erase
– Overwrites data with zeros

RE: Random Erase
– Overwrites data with random values.

Additional Notes:
Regardless of whether the mode switch is set to "Clone" or "Erase," if a USB cable is connected while the device is powered on, it will automatically switch to PM for drive reading.

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 **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

- 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-N2-CLE
Specifications	
Support SSD	M.2 NVMe SSD/AHCI SSD (AHCI Should Change to M.2 Interface, requires NVMe M.2 to AHCI Adapter (not included)
Interface	Type-C
Material	ABS Plastic
Main Function	NVMe M.2/AHCI SSD Write/Read/Clone/Erase
Product Size	78.8 x 76.4 x 18mm (3.1" x 3.01" x 0.709")
Systems	Windows, Mac OS, Linux,etc
Indicatorstatus	• SSD Indicator: White (blinking when reading/writing cloning/ erasing, steady on when standby, and be off or blinking red when the SSD is abnormal) • "PC" Mode Light: white (steady on when connected to PC) • "Clone" Mode Light: white (steady on when clone) • "Erase" Mode Light: white (steady on when erase) • Clone Progress Indicator: Blue(blinking during clone, steady on after clone) Erase Progress Indicator: Blue (blinking during erase, steady on when erase finished) • "Erase" Method light: Blue