Triple-Protection SSD Enclosure

Model: D1 SSD

User Manual



Copyright © 2026 TerraMaster All Rights Reserved.

1. Overview

This product is part of the TerraMaster Disk Array Storage series, collectively referred to as TDAS. Please read this manual carefully before use. If you have any questions, visit the "Help Center" on the official TerraMaster website or contact the TerraMaster technical support team.

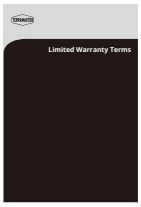
Upon receiving your newly purchased TerraMaster TDAS product, please first visit the official TerraMaster website at www.terra-master.com. Locate the "Quick Installation Guide" page and follow the instructions provided to install and set up your TDAS.

Due to ongoing product improvements, the design, specifications, and other details of this product are subject to change without prior notice.

The images and illustrations in this manual may differ slightly from the actual product. Please refer to the actual product as the standard.

2. Packing List

After receiving your newly purchased product, please check the color box packaging to confirm whether the following items are included. If anything is missing, please contact us promptly.

<table>
<tr><td>TDAS device x 1</td><td>USB4 Type-C to Type-C Cable× 1</td><td>Screwdriver x 1</td><td>Storage Case × 1</td></tr>
<tr><td rowspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>Quick Installation Guide × 1</td><td colspan="2">Limited Warranty notice x 1</td></tr>
<tr><td>
</td><td colspan="2">
</td></tr>
</table>

3. Appearance



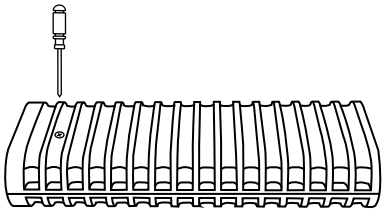
NO.	item	Description
①	USB Type-C Port	10Gbps Data Transfer Interface

4. NVMe M.2 SSD Installation

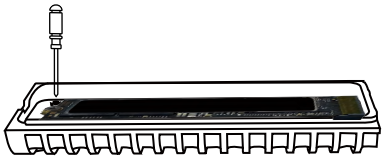
This product requires a 2280-size NVMe M.2 SSD. If no M.2 SSD was pre-installed at the time of purchase, you will need to purchase and install one separately. The product will only become operational after successful M.2 SSD installation and system initialization.

M.2 SSD Installation Method:

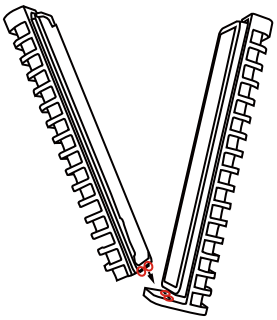
1.Using a screwdriver, loosen the captive screws on the back of the device. Then gently lift the top cover at an upward angle to remove it. This product adopts a non-removable screw design. During the tightening process, the screws will only loosen but not fall off, which can effectively avoid the problem of screw loss.



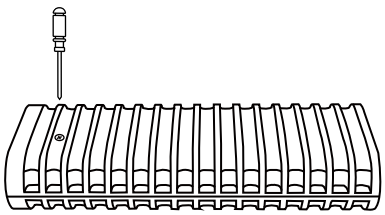
2. Remove the pre-installed M.2 SSD screw from inside the enclosure. Insert one end of the M.2 SSD into the M.2 slot on the motherboard, then use the screw to secure the M.2 SSD to the board.



3. Align the two positioning pins on the top cover with the two corresponding slots on the bottom cover. Then press the top and bottom covers together to ensure a tight and secure fit.

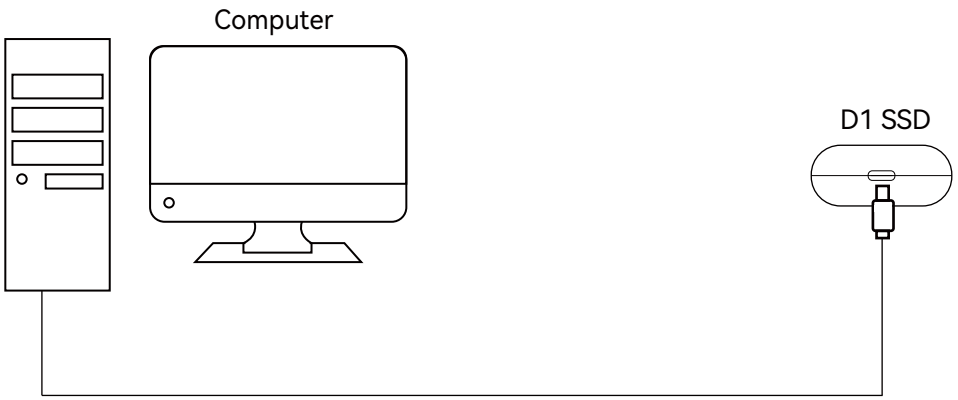


4. Use a screwdriver to tighten the captive screws on the bottom cover. The installation of the M.2 SSD is now complete.



5. Connection

Connect the drive enclosure to your host device by plugging one end of the USB-C cable into the product's USB-C port and the other end into your computer's USB-C port.

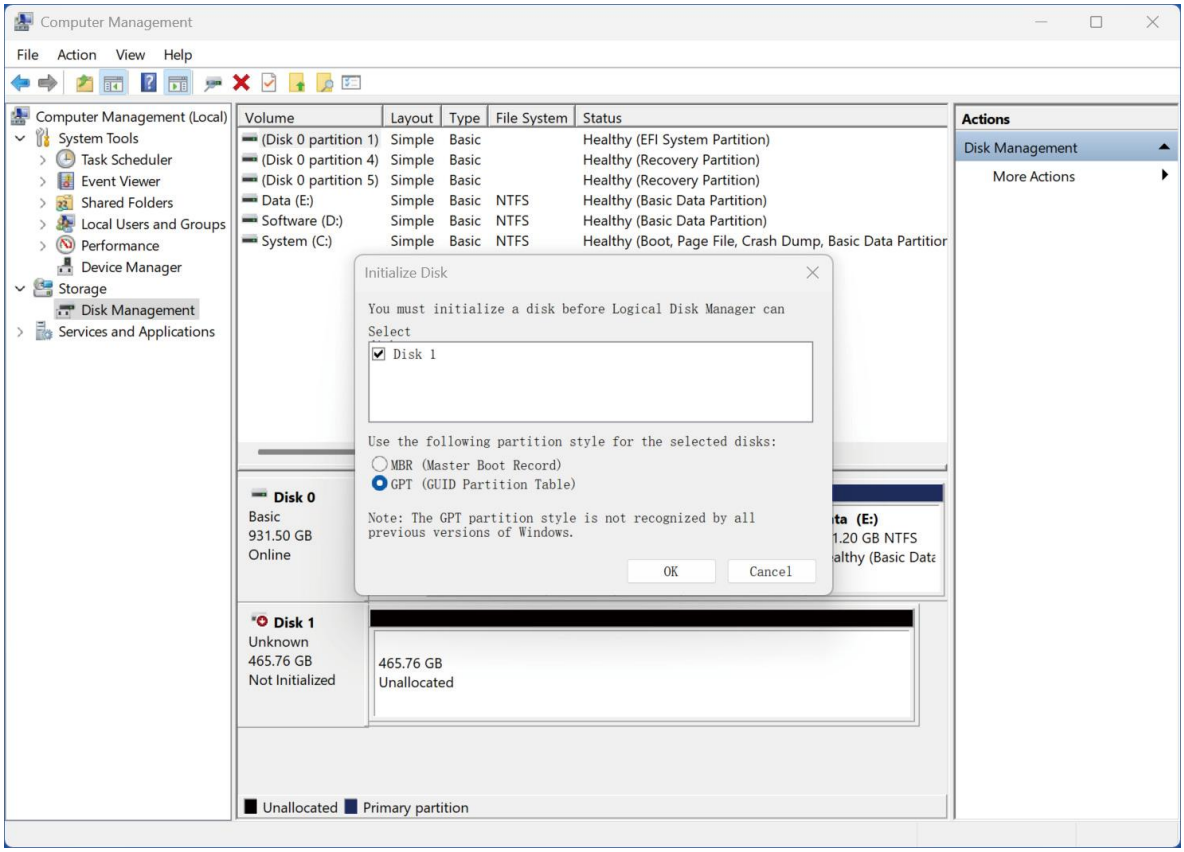


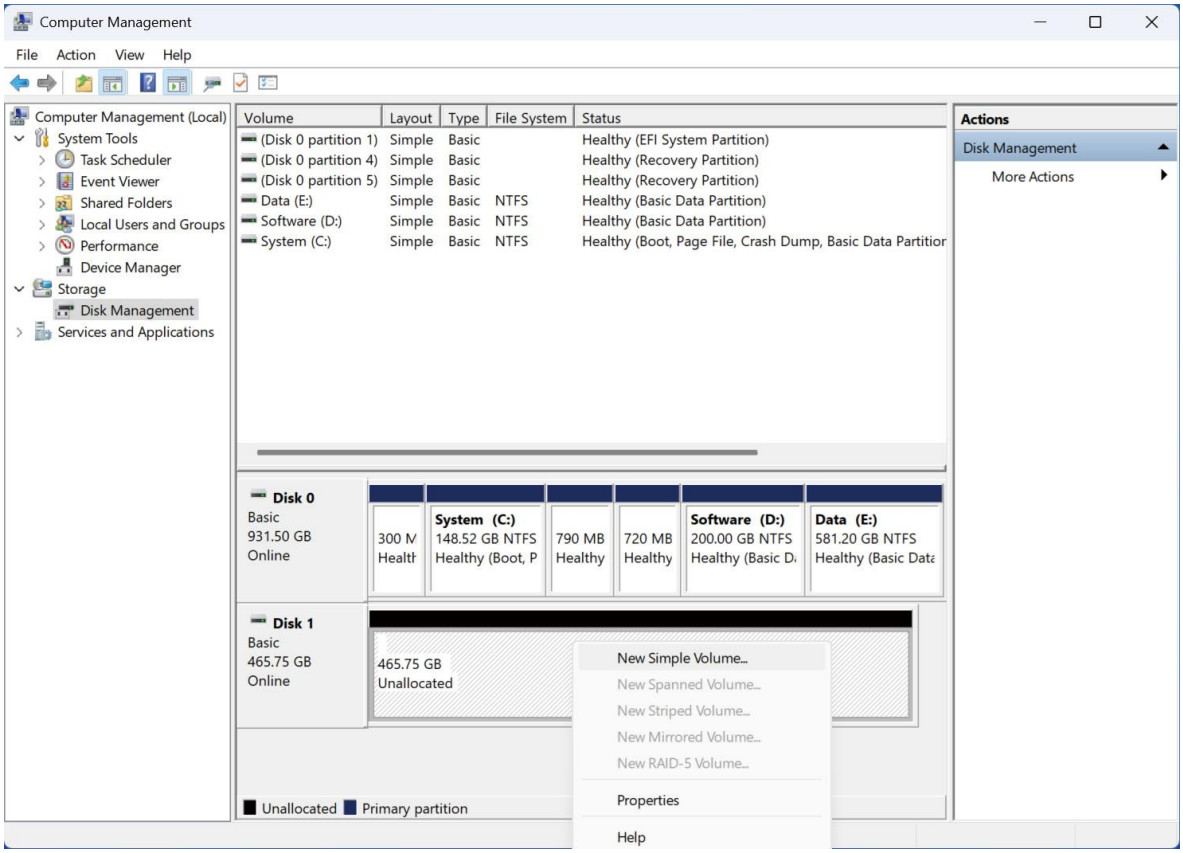
6. M.2 SSD Formatting and Partitioning

If you have installed a new M.2 SSD, please format and partition it first. Refer to the following sections for instructions on initializing your M.2 SSD. Note that the actual steps may vary slightly depending on your operating system version.

Windows System

1.Right-click the “Start” button and select “Disk Management.”
2.Locate the unallocated disk, right-click it, and choose Initialize Disk from the context menu.
3.Configure the settings in the “Initialize Disk” menu, then click “OK.” Note: Please select the GPT partition style; otherwise, the maximum partition size will be limited to 2TB.
4.After initialization, right-click the disk again and select “New Simple Volume”.
Note: Choose “NTFS” as the file system. Once formatting completes, the new drive letter will appear in File Explorer.


Computer Management
File Action View Help
Computer Management (Local)
System Tools
Task Scheduler
Event Viewer
Shared Folders
Local Users and Groups
Performance
Device Manager
Storage
Disk Management
Services and Applications
Volume Layout Type File System Status
(Disk 0 partition 1) Simple Basic Healthy (EFI System Partition)
(Disk 0 partition 4) Simple Basic Healthy (Recovery Partition)
(Disk 0 partition 5) Simple Basic Healthy (Recovery Partition)
Data (E:) Simple Basic NTFS Healthy (Basic Data Partition)
Software (D:) Simple Basic NTFS Healthy (Basic Data Partition)
System (C:) Simple Basic NTFS Healthy (Boot, Page File, Crash Dump, Basic Data Partitior
Initialize Disk
You must initialize a disk before Logical Disk Manager can
Select
Disk 1
Use the following partition style for the selected disks:
MBR (Master Boot Record)
GPT (GUID Partition Table)
Note: The GPT partition style is not recognized by all previous versions of Windows.
OK
Cancel
Disk 0
Basic
931.50 GB
Online
Disk 1
Unknown
465.76 GB
Not Initialized
465.76 GB
Unallocated
Unallocated
Primary partition
Actions
Disk Management
More Actions


Computer Management
File Action View Help
Computer Management (Local)
System Tools
Task Scheduler
Event Viewer
Shared Folders
Local Users and Groups
Performance
Device Manager
Storage
Disk Management
Services and Applications
Volume Layout Type File System Status
(Disk 0 partition 1) Simple Basic Healthy (EFI System Partition)
(Disk 0 partition 4) Simple Basic Healthy (Recovery Partition)
(Disk 0 partition 5) Simple Basic Healthy (Recovery Partition)
Data (E:) Simple Basic NTFS Healthy (Basic Data Partition)
Software (D:) Simple Basic NTFS Healthy (Basic Data Partition)
System (C:) Simple Basic NTFS Healthy (Boot, Page File, Crash Dump, Basic Data Partitior
Disk 0
Basic
931.50 GB
Online
300 M
Healtl
System (C:)
148.52 GB NTFS
Healthy (Boot, P
790 MB
Healthy
720 MB
Healthy
Software (D:)
200.00 GB NTFS
Healthy (Basic D
Data (E:)
581.20 GB NTFS
Healthy (Basic Data
Disk 1
Basic
465.75 GB
Online
465.75 GB
Unallocated
New Simple Volume...
New Spanned Volume...
New Striped Volume...
New Mirrored Volume...
New RAID-5 Volume...
Properties
Help
Unallocated
Primary partition
Actions
Disk Management
More Actions

macOS System

1.Open “Disk Utility” from the Applications folder, then select “External.”
2.From the list, find the newly added external disk, select it, and click the “Erase” button. In the pop-up window, choose “APFS” as the file system format, then click “Erase.”
3.After the erase process completes, the disk initialization is finished.

Note:
1.To use the formatted M.2 SSD on both macOS and Windows, please select “exFAT” as the file system format.
2.macOS typically does not require disk partitioning. If you need to partition the disk, please refer to the macOS user manual.





Linux System

1.Open “Disks” from the application menu, select the external M.2 SSD, and choose “Format Partition.”
2.Then select “Mount Selected Partition.” Once mounted, the new partition will appear in the file manager with an assigned drive letter.

Water Resistance Instructions

The D1 SSD is rated IP67 under IEC standard 60529 (maximum depth of 1 meter for up to 30 minutes). However, any damage or data loss caused by water ingress, moisture, or liquid erosion is not covered by the product warranty. The user assumes all related risks.

To prevent liquid damage, please avoid the following:

1. Swimming or bathing with the device.
2. Exposing it to high-pressure or high-velocity water.
3. High-temperature steam environments.
4. Submerging in water for extended periods.
5. Removing screws.
6. Leaving in humid environments for extended periods.
7. Contact with acidic or corrosive liquids/environments.

Operational Requirements:

1. Install according to the diagram (ensure waterproof gaskets, screws, etc., are in place).
2. Ensure the interface is dry during use; fit the interface protection pad in harsh conditions.
3. The rugged design refers to the protection of the enclosure in a "non-operating state" and does not promise unrestricted use in any environment.

— END —