

User Manual

D5 Thunderbolt 3

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1. System Requirements

To use the device, your system should satisfy the requirements below:

Operating System: 64-bit Windows 8/10 or later; MAC OS X 10.12 or Version later;

Hardware Requirement: CPU Intel i5 Quad-Core or higher;

Memory: Minimum 4GB;

Interface: Thunderbolt 3;

Applicable Hard Drive: 3.5" SATA enterprise hard drive, SSHD hybrid hard drive, NAS hard drive (SATA III or above), or 2.5" SSD (SATA II or above).

2. Package List

After your new D5 is received, please check if the package includes the following articles. If any article is missing, please contact the reseller quickly.

Product unit ×1	Power cord ×1	Power adaptor ×1	Several screws
		<u>g</u>	
	Installation Guide ×1	Thunderbo	lt 3 Cable ×1

3. Appearance



NO.	ITEM	Description
1	HDD Indicator	Off: Hard drive not detected. Green light (flashing): reading and writing data. Red Light: Hard drive failure or array damage.
2	Power Indicator	Off: Powered off. Green light: Powered on. Red light: Sleeping.
3	Power Switch	Short press once to power on, and press for 4 seconds to power off.

NO.	ITEM	Description
4	Power Jack	Power input interface. Please note that you should not use any power adaptor other than the original. If you do, the device may be damaged.
5	DP Port	Use this to connect the DP monitor.
6	Thunderbolt 3 Port	Use this to connect a computer or another Thunderbolt 3 device.

4. Hard Disk Installation

Prior to use, hard drives must be installed properly into the device. Therefore, if you have no hard drives for your device, please purchase a compatible one and oversee its installation.

To install a hard drive, please complete the following instructions:

1.Pull the handle from the hard drive tray, then take the handle and use it to slide the hard drive tray from the device;





2.When the tray is completely inserted, the handle will close. Now, hard drive installation is complete.



5. Hardware Connection

Once you have installed your hard drive, use the provided Thunderbolt 3 cable to link your device to your computer's Thunderbolt 3 interface. Then, use the power adapter provided to link the device to a power source. Finally, press the power button of the device (see the front panel) to power it on.

6. Install Driver for Thunderbolt 3 Interface

If you use a Mac computer, please proceed straight to next step.

If you are a Windows user, you may need to install a driver for the Thunderbolt 3 interface. Therefore, first check whether the most recent Thunderbolt 3 interface driver is already present on your computer. If it is not, then visit your computer manufacturer' s official website to download and install the Thunderbolt 3 driver. Once it has been installed, you can find the Thunderbolt™ software in Control panel > Program and features.

7. Install Driver for RAID

A driver for RAID usually needs to be installed before you can use the device. Otherwise, your computer cannot recognise the device. Therefore, please visit TerraMaster's official website (www.terra-master.com), click on the "Download", and download and install the RAID driver. Depending on the operating system you use, please select either the Mac or Windows version.

Follow the steps below to download and install the RAID driver:

1.Visit the "Download" on TerraMaster's official website. Choose the relevant product model, and then click "RAID driver" in the list;

2.(For Windows users) Go to Device manager > Other devices > RAID controller. Right-click "Update drive software", select the 64-bit system files relevant for your computer, and then select "Confirm". When the driver installation process is successful, the question mark next to "RAID controller" will disappear.

3.(For Mac users) Please double click the driver you have downloaded.

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Computer Management (Local System Tools Carl Task Scheduler Task Scheduler Shared Folders Local Users and Groups Competition Manager Storage Disk Management Services and Applications	 DESKTOP-U85RAFD Audio inputs and outputs Computer Disk drives Display adapters Display adapters Human Interface Devices IDE ATA/ATAPI controllers Keyboards Mice and other pointing devices Monitors Metwork adapters Network adapters Sase System Device Ethernet Controller PCI Simple Communications Controller
	 RAID Controller Portable Devices Ports (COM & LPT) Print queues Processors Software devices Sotrage controllers System devices System devices System devices

8. Install RAID Manager Pro

RAID Manager Pro allows you to manage your RAID storage. Therefore, if you plan to create RAID on your device, manage arrays, or capitalise on other advanced features, you should download the appropriate version of RAID Manager Pro for your operating system (either Windows or Mac).

Follow the steps below to download and install RAID Manager Pro:

1.Visit the "Download" on TerraMaster's official website. Choose the relevant product model, and then select RAID Manager Pro from the download list;

2.Unzip the file to your desktop.

a.For Windows users, please ensure you install the software as an administrator;

b.For Mac users, please run the "install.command" file. When RAID Manager Pro has been installed, a desktop shortcut will appear.

9. Create Disk Array

One of RAID Manager Pro's most helpful features is the way it helps users create disk arrays and manage arrays within the device. This ensures data security while increasing storage efficient.

Follow the steps below to create disk array:

1.Connect your Thunderbolt 3 device to a computer;

2.Power on the device;

3.Start RAID Manager Pro;

4. Type in your username and password, then click "Login".

Please note that the default username and password are RAID and hpt, respectively (the password can be changed after login.

Global View	Physical	Logical	Setting	Event	SHI	Recover	Logout	Help	
Please Login									
User Name RAID									
Password									
Login									

3.If your hard drive already contains disk array information, delete it. You can do this by going to Logical > Logical Device > Maintenance. Please note that you can skip this step if the product does not contain a disk array.

Global View	Physical	Logical	Setting	Event	SHI	Recover	Log	out	Help
Create Array			Log	jical Devi	ce Info	rmation			
Spare Pool	Name	Туре	Capacity	BlockSize 1	SectorSize	OS Name	Stat	นร	
Logical Device	RAID_	5_0 RAID 5	239.84 GB	64k	512B	HPT DISK 0_0	Nor	mal <u>Ma</u>	intenance
Rescan				Array	Inform	ation		-	
Beeper Mute				De	lete				
	Locatio	n Model	RAID_5	un Un	plug			acity	Max Free
	= 1/2	Samsung S	5 - Dev	ice_1_2 Ver	11ty			.92 GB	0.00 GB
	= 1/3	Samsung	- Dev	ice_1_3 W	rite Back	 Change Cache 	Policy	.92 GB	0.00 GB
	-		L_Dev	ice_1_4	R	enam e		03.08	0.00 68
	31/4	samsung a		JB	OD(Volume) · OCE/ORLM		.92 60	0.00 66
							Close		

4.Go to Logical > Create Array, choose the target array type, and then choose the hard drives you want to use to create the array.

Click "Create" .

Physical Logical	Setting	Event	SHI	Recover	Logout	Help
		Creat	te Array	Ki -		
Array Type:	JBOD(Volume)	•				
Array Name:	Default					
Initialization Method	Keen Old Data	•				
Cache Policy:	Write Back	*] ¥]				
Block Size:	64K	•				
Number of RAIDS member disks:	-1	Ŧ				
	Select All	Location	Model		Capacity	Max Free
	10	1/2	Samsung S 120GB- S3HZNB0H	ISD 750 EVO	120.03 GB	0.00 GB
Available Disks:		1/3	Samsung S 120GB- 53HZNWA	SD 750 EVO	120.03 GB	0.00 GB
		1/4	Samsung S 120GB- S3HZNWA	ISD 750 EVO	120.03 GB	0.00 GB
Capacity: (According to the max free	Maximum	(MB)				
	Array Type: Array Name: Initialization Method Cache Policy: Block Size: Number of RAIDS member disks: Available Disks: Capacity:(According to the max free	Array Type: JBOD(Volume) Array Name: Default Initialization Method: Keep Old Data Cache Policy: Write Back Block Size: 64K Number of RAIDS member disks: -1 Select All Available Disks: Capacity:(According to the max free Maximum	Creat Array Type: JBOD(Volume) Array Name: Default Initialization Method: Keep Old Data Cache Policy: Write Back Block Size: 64K Number of RAIDS -1 member disks: -1 Select All Location f Aveilable Disks: 1/2 Aveilable Disks: 1/3 Capacity:(According to the max free Maximum	Create Array Array Type: JBOD(Volume) * Array Name: Default Initialization Method: Keep Old Data * Cache Policy: Write Back * Block Size: 64K * Number of RAIDS member disks: -1 * Available Disks: 1/2 12006F Samsung S 1/3 12006F SHANNWA Samsung S I 1/3 12006F SAHZNWA Capacity:(According to the max free Maximum	Create Array Array Type: JBOD(Volume) Array Name: Default Initialization Method: Keep Old Data Cache Policy: Write Back Block Size: 64K Number of RAIDS -1 member disks: -1 Validable Disks: 1/2 1206B- Samsung SSD 750 EVO Samsung SSD 750 EVO 1/3 1206B- Samsung SSD 750 EVO 1/3 1206B- Samsung SSD 750 EVO 1/3 1206B- Samsung SSD 750 EVO 1/4 1206B- Samsung SSD 750 EVO 1/4 1206B- Samsung SSD 750 EVO Capacity:(According to the max free Maximum	Create Array Array Type: JBOD(Volume) * Array Name: Default Initialization Method: Keep Old Data * Cache Pollcy: Write Back * Block Size: 64K * Number of RAIDS member disks: -1 Value -1 Value Samsung SSD 750 EVO 120.03 GB Available Disks: 1/2 120GB- S3HZNBOHC06747W Capacity: 1/3 120GB- S3HZNWAHC89012H Samsung SSD 750 EVO 1/4 120GB- S3HZNWAHC94959M 120.03 GB Capacity: 1/4 120GB- S3HZNWAHC94959M

RAID Manager Pro provides a streamlined way to utilise many advanced RAID functions. To learn more about RAID Manager Pro, please go to Help > Online Help in RAID Manager Pro's main menu.

10. Initialise and Format Disk Array

All disk arrays must be initialised and formatted before you can use them.

For Mac users, disk array initialisation and formatting can be completed as below: 1.Go to GO > Application Tool > Disk Utility > External;

2.Locate an uninitialized external disk in the menu (this will be the TerraMaster array);

•••	49 D First Aid Partition	Disk Utility	① Info	
Internal TOSHIBA MK32 mac Recovery HD userspace External General USB Fla =	General 3.94 GB Unin	I USB Flash	Disk Media	
	Location:	External	Capacity:	3.94 GB
	Connection:	USB	Child count:	0
			Tunar	Disk
	Partition Map:	Not supported	Type.	Contra la

3. Choose external disk, then click "Erase". Now, fill in the settings in the "Erase" menu, and click "Erase". Once the erase process is finished, disk array initialisation is complete;

0 0 0	Disk Utility	
	R D D D D D D D D D D D D D D D D D D D	① Into
Internal TOSHIBA MK32 mac Recovery HD userspace External General USB Fla =	Erase "General USB Flash Disk I Erasing "General USB Flash Disk Media the data stored on it. Enter a name, cho and format. Name: TerraMaster TDAS Format: OS X Extended (Journaled) Scheme GUID Partition Map Cance	Media"? " will destroy of all ose a partition map
	Connection: USB	Child count: 0
	Partition Map: Not Supported	Type: Disk
	S.M.A.R.T. status: Not Supported	Device: disk0

For Windows users, disk array initialisation and formatting can be completed as below:

1. Move your cursor to "My Computer", then right-click;

2.Go to Property > Disk Management;

3.Locate the unallocated disk in the menu, then initialise and format it.

4. If you having difficulties initialising and formatting the array, please see Windows' help file.

Image: Weight of the system Status Capacity Free Spa % Free Fau Volume Layout Type File System Status Capacity Free Spa % Free Fau Simple Paric NTES Healthur (S 1.46 GP 1.42 GP 97 % No	
Volume Layout Type File System Status Capacity Free Spa % Free Fau	
Simple Paris NTES Healthur/S 146/GP 142/GP 07.% No	t Tolerance Overh
Simple basic 1415 Healthy (5 1.40 Gb 1.42 Gb 97 /6 140	0%
🚘 (C:) Simple Basic NTFS Healthy (B 40.00 GB 21.36 GB 53 % No	0%
(D:) Simple Basic NTFS Healthy (P 52.73 GB 1.36 GB 3 % No	0%
(E:) Simple Basic NTFS Healthy (P 65.04 GB 34.21 GB 53 % No	0%
📼 (G:) Simple Basic NTFS Healthy (A 40.00 GB 33.12 GB 83 % No	0%
AMD3000_2.0 (F:) Simple Basic CDFS Healthy (P 522 MB 0 MB 0 % No	0%

Disk 2 Basic 40.00 GB Online	(G:) 40.00 GB NTFS Healthy (Active, Primary Partition)
Disk 3 Unknown 1000 MB Not Initialized	1000 GB Unallocated

After initialisation and formatting, your device is now ready to use.

To ask any questions when installing, initialising, or using your device, please get in touch with TerraMaster's technical support team. Support email: support@terra-master.com