2.5" SATA SSD SATA SSD Can't Detect (Windows)





1. Troubleshooting

- 2. Check SSD in BIOS
- 3.Load Optimized Defaults

4. Change Drive Letter and Paths

- 5. Update the latest driver
- 6. Partition and Format

1. Troubleshooting

- 1. Remove, re-plug, reset, and double-check the connector and power to see if the drive is there?
- 2. Plug SSD into another SATA connector?
- 3. Try SSD in a different system if possible.
- 4. If you have another same type SSD, you can install it to dig out if the issue is coming from the system or SSD
- 5. If you have a USB to SATA external enclosure, please install and initiate/partition it to see if the SSD can work properly.



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2. Check SSD in BIOS

Check if the SSD can be detected in PC (BIOS)

Power on the computer and press **"Delete" or "F2"** during the PC bootup stage to enter BIOS to see if the SSD can be recognized.

Wednesday 17.51 Consister Advanced Monitor Boot Tool Evilt	
My Pavorites Main Al Tweaker Advanced Monitor Boot Tool Exit	are Monitor
← My Favorites\NVMe controller and Drive information\NVMe controller and Drive information CPU	
Seg:Bus:Dev:Func And Stando Frequency Model Number addlink M.2 PCIE G4x4 NVMe 3600 MHz Total Size 1000.2 GB BUSDEV Vendor ID 1987 BUSDEV Device ID Solf Size: 1000.2 GB Device Self Test Short Memory Self Test Action Controller Only Test 2400 MHz	Temperature 35°C Core Voltage 1.448 V Capacity 16384 MB
Short Device Selftest Result Extended Device Selftest Result Not Available 12/ 12/ 12/ 12/ 12/ 12/ 12/ 12/ 12/ 12/	+SV 5.060 V earch on FAQ



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3. Load Optimized Defaults

- 1. If you can see the SSD in BIOS but can't enter Windows OS, please load Defaults and save the setting in BIOS.
- 2. And then boot up the system again.

My Favorites Main	Al Tweaker	Advanced	Monitor	Boot	Tool	Exit	L <u>e</u> r Hardw	are Monit
Load Optimized Defaults							CPU	
 Save Changes & Reset 							Frequency 3700 MHz	Temperat 31°C
 Discard Changes & Exit 								
Launch EFI Shell from USB drive	es.						100.0000 MH	iz 1,056 V
							37x	
							Memory	
							2133 MHz	1.200 V
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							Voltage	
			Ś				12.288 V	5.040 V
Restores/loads the default values for	or all the setup opt	ions.						
							3.344 V	



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4. Change Drive Letter and Paths

1. Right-click on Start, the windows icon on the bottom-left of the screen. And Click [Disk Management].





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- 2. Right-click on the problematic SSD and **choose [Change Drive Letter and Paths]**.
- 3. Choose the Add option if the drive letter is not already assigned. And click on Change if the drive letter has already been assigned.
- 4. Click on the dropdown menu and choose any letter you want for the SSD drive. Tap on OK.

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Volume	Layout Type	File System	Status	Capacity	Free Sp	% Free		
	Simple Basic	NTFS	Healthy (B	930.41 GB	868.29 GE	93 %		
= (D:)	Simple Basic	FAT32	Healthy (P	14.91 GB	12.60 GB	85 %		
 (Disk 1 partition 3) 	Simple Basic		Healthy (R	574 MB	574 MB	100 %		
■ 系統保留	Simple Basic	NTFS	Healthy (S	549 MB	516 MB	94 %		
— Disk 0								_
Disk 0 Basic								
Disk 0 Basic 953.87 GB	953.87 GB							
Disk 0 Basic 953.87 GB <u>C</u> Online	953.87 GB Jnallocated							
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5. Update the latest driver.

If you still can't enter windows, please insert the SATA SSD to be secondary storage and Update Drivers to Fix Not Responding SSD

- 1. Right-click on your start button then select Device Manager from the pop up menu.
- 2. Expand IDE ATA/ATAPI controller and Right-click the SATA Controller
- 3. Select the Properties
- 4. Then Click the Driver tab and Click Update Driver





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6. Formatting as a last resort

- 1. If the error "the file directory is corrupted and unreadable" has not been resolved by any of the previous methods, then you have one way out: formatting.
- 2. In Disk Management, select your removable device with the right mouse button. Now click on Format and follow the recommendations of the Wizard. Afterward, do not forget that the computer will need a reboot.

olume	Layout	Type	File System	Status	Capacity	Free Spa	% Free	
	Simple	Basic	1	Healthy (R	450 MB	450 MB	100 %	
	Simple	Basic		Healthy (E	100 MB	100 MB	100 %	
(C:)	Simple	Basic	NTFS	Healthy (B	115.93 GB	90.10 GB	78 %	
= M (D:)	Simple	Basic	FAT32	Healthy (P	3.73 GB	551 MB	14 %	
		Format	: D:		>	<		
		Volume	label:	М				
		File sys	tem:	FAT32	~			
				NTFS				
		Allocati	on unit size:	FAT				
				exFAT				
			orm a quick format			-		
Disk 0		<u>E</u> na	ble file and folder o	compression				
Basic								
116.46 GB	450 MB			ОК	Cancel	C I D	D. in a Destini	
Unline	Healthy (Recove	ery I				, Crash Dur	np, Primary Partitio	on)
	1							
Dick 1								
Removable	M (D:)	///////////////////////////////////////	///////////////////////////////////////	///////////////////////////////////////	77777777777	77		
3.73 GB	3.73 GB FAT32							
Online	Healthy (Primar	y Partition)						
			///////////////////////////////////////		///////////////////////////////////////			

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