# RocketStor 6414AS/6418AS Setup Guide (Windows)

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#### Notice

Reasonable effort has been made to ensure that the information in this manual is accurate. HighPoint assumes no liability for technical inaccuracies, typographical, or other errors contained herein.

### FCC Part 15 Class B Radio Frequency Interference statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

#### European Union Compliance Statement

This Information Technologies Equipment has been tested and found to comply with the following European directives:

- European Standard EN55022 (1998) Class B
- European Standard EN55024 (1998)

### Install/Update Drivers

### Installing Drivers on an Existing Operating System

Drivers provide a way for your operating system to communicate with your new hardware. Updating to the latest drivers ensures your product has the latest performance, stability, and compatibility improvements. Drivers are updated regularly at <u>www.highpoint-tech.com</u>.

- 1. Download the latest driver files from our website <u>www.highpoint-tech.com</u> > Support > Documents and Downloads > RocketStor 6414AS
- 2. Extract the downloaded files onto your PC and note the location of the files.

( ] 🕞 (b) 💌 ]	Hptiop_Windows_Miniport_	v1.6.4.0.2_15_07_21		
File Home Share	View			~
🕘 🕘 – 🕇 📕 Нр	tiop_Windows_Miniport_v1.6.4.0.2_15_07_21	~ 0	Search Hptiop	Windows Mini 🔎
🔆 Favorites	Name	Date modified	Туре	Size
E Desktop	上 x32	8/18/2015 2:05 PM	File folder	
Downloads	10 ×64	8/18/2015 2:05 PM	File folder	
We Recent places	Readme	8/18/2015 2:05 PM	Text Document	5 KB
🜉 This PC				
Desktop				
Documents				
Downloads				
🔛 Music				
E Pictures				
🔠 Videos				
BOOTCAMP (C:)				
🚃 Macintosh HD (D:)				
🐢 Network				
3 items				100

- 3. Open Windows **Device Manager** (Control Panel > Hardware and Sound > Devices and Printers > Device Manager).
- 4. Under Other devices, right-click RAID Controller.
- 5. Click Update Driver Software.



6. Click Browse my computer for driver software.

		×
ً	Update Driver Software - RAID Controller	
	How do you want to search for driver software?	
	Search automatically for updated driver software Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.	
	Browse my computer for driver software Locate and install driver software manually.	
		Cancel

7. Navigate to where you saved the driver files.

Browse For Folder
Select the folder that contains drivers for your hardware.
<ul> <li>Desktop</li> <li>hpt</li> <li>This PC</li> <li>Libraries</li> <li>Network</li> <li>Hptiop_Windows_Miniport_v1.6.4.0.2_15_07_21</li> <li>x32</li> <li>x64</li> <li>hptiop-win-1.4.74.22-20130222</li> <li>RAID_Manage_Win_v2.5.2.4_15_01_12</li> <li>RR64xL_Windows_Miniport_v1.3.14.0.1_15_07_22</li> </ul>
Eolder: ×64
OK Cancel

- 8. Click OK.
- 9. Click **Next**. A Windows security will prompt to ask if you are sure you want to install HighPoint Software.



10. After clicking **Install**, the driver will be installed.



11. **Reboot** to allow the changes to take effect.

### Install HighPoint RAID Management (WebGUI)

The HighPoint RAID Management (WebGUI) software is necessary to create, maintain, and view your RAID arrays.

- 1. Download the latest WebGUI from our website at <u>www.highpoint-tech.com</u> > Support > Documents and Downloads > RocketStor 6418TS > Windows WebGUI
- 2. Extract and open the contents of the downloaded file.

🕼 l 💽 🕼 👳 l	RAID_Manage_Win_v	/2.5.2.4_15_01_12		- 🗆 🗙
File Home Share	View			~ <b>(</b> )
	AID_Manage_Win_v2.5.2.4_15_01_12	v د	Search RAID_Ma	nage_Win_v2 🔎
🔶 Favorites	Name	Date modified	Туре	Size
🛄 Desktop	鑷 HighPoint RAID Management	8/3/2015 1:11 PM	Application	1,667 KB
鷆 Downloads	HPT_CLI_Guide	8/3/2015 1:11 PM	PDF File	421 KB
🕮 Recent places	README	8/3/2015 1:11 PM	Text Document	6 KB
া톺 This PC 역 Network				
3 items				:== <b>S</b>

### 3. Double-click HighPoint RAID Management.exe

🛃 HighPo	oint RAID Management Setup 🛛 🗕 🔜
Atolepote	Welcome to the HighPoint RAID Management Setup Wizard This wizard will guide you through the installation of HighPoint RAID Management . It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer. Click Next to continue.
	Next > Cancel

- 4. Follow the on-screen instructions to complete the WebGUI installation
- 5. Double-click the HighPoint RAID Management desktop icon to start the WebGUI



6. Your default web browser will open and prompt for username and password (Default username: **RAID** / password: **hpt**). Username and password are case-sensitive.

### Uninstalling HighPoint RAID Management (WebGUI)

1. Open Control Panel.

Controller(1): 4522

- 2. Click Uninstall a program.
- 3. Select **HighPoint RAID Management** to uninstall.

## Quick Way to build RAID 5 Storage Array

- 1. Double-click the RAID management software ICON on the desktop to log into the WebGUI.
- Click on the Logical tab at top of the interface menu this will display a list of available drives (Physical Device Information). Make sure all installed drives are properly detected.

Global View	Physical Logic	cal Sett	ing Ev	vent SH	I Recov	er Logout	Help
Create Array			Logical	Device In	formation		
Spare Pool	Name	Туре	Capacity	BlockSize	SectorSize	OS Name	Status
Logical Device	Device_1_1	Hard Disk	4.00 TB			HPT DISK 0_0	Legacy
Rescan	Device_1_2	Hard Disk	1.00 TB			HPT DISK 0_1	Legacy
Beener Mute	Device_1_3	Hard Disk	4.00 TB			HPT DISK 0_2	Legacy
Deeper mate	Device_1_4	Hard Disk	4.00 TB			HPT DISK 0_3	Legacy
	Device_1_5	Hard Disk	3.00 TB			HPT DISK 0_4	Legacy
	Device_1_6	Hard Disk	3.00 TB			HPT DISK 0_5	Legacy
	Device 1 7	Hard Disk	4.00 TB			HPT DISK 0 6	Legacy
	Device 1 8	Hard Disk	4.00 TB			HPT DISK 0 7	Legacy
			183369 FEB				
			Discologia	Dension T			
(	Location Med	al	Physical	Device 1	mormation	Capacity	May Ero
			7-01111 180-	WD-WMC130	032417	4.00 TB	0.00 GB
		C WD100358	7 010ER0 V		242146	1.00 TB	0.00 CB
	WD WD	C WD1003FB1	2-010-80-4	VD-WCAW37	342140	1.00 18	0.00 GB
	WD	C WD4000FYY	Z-010L180-	WD-WMC130	032453	4.00 18	0.00 GB
	1/4 WD	C WD4000FYY	Z-01UL1B0-	WD-WMC130	016977	4.00 TB	0.00 GB
	1/5 ST3	000VX000-9Y	W166-S1F0	RW6H		3.00 TB	0.00 GB
	1/6 ST3	000VX000-9Y	W166-W1F	2445		3.00 TB	0.00 GB
	🔄 1/7 HGS	T HUS724040	DALA640-PN	2331PAGKSJ	MW	4.00 TB	0.00 GB
	L 1/8 HGS	T HUS724040	ALA640-PN	2331PAGL03	NW	4.00 TB	0.00 GB

#### Note:

Single or new (unused) drives will be labeled as Legacy disks. Legacy disks can be used to create a new RAID array.

#### 3. Click Create Array

Specify the RAID Level (RAID 5 or 6) using the **Array Type** drop-down menu. Next, select **Quick Init**. from the **Initialization Method** drop-down menu. Leave all other parameters at the **Default** setting, and click the **Create** button to create the array.

Global View	Physical Logical	Setting	Event	SHI	Recover	Log	gout	Help
Create Array			Creat	e Array				
Spare Pool	Array Type:	RAID 5	0					
Logical Device	Array Name:	Default						
Rescan	Teltislineties Method.	0.111.111						
Beeper Mute	Initialization Method:	Quick Init	0					
	Cache Policy:	Write Back	0					
	Block Size:	64K	0					
	Number of RAID5 member disks:	3	0					
		Select All	Location N	lodel		Capacity	Max	Free
		3	1/1	VDC WD400 1UL1B0-W VMC130032	DOFYYZ- D- 2417	4.00 TB	0.00	GB
		3	1/2	NDC WD100 010FB0-WD NCAW3734	03FBYZ- - 2146	1.00 TB	0.00	GB
			1/3	WDC WD400 D1UL1B0-W WMC130033	DOFYYZ- D- 2453	4.00 TB	0.00	GB
	Available Disks:	Ð	1/4	NDC WD400 1UL180-W	DOFYYZ- D-	4.00 TB	0.00	GB
		2	1/5	T3000VX0	00-9YW166-	3.00 TB	0.00	GB
		()	1/6	T3000VX0	00-9YW166-	3.00 TB	0.00	GB
		7	1/7	IGST IUS724040 N2331PAG	ALA640- KSJMW	4.00 TB	0.00	GB
			1/8	IGST IUS724040 PN2331PAG	ALA640- LO3NW	4.00 TB	0.00	GB
	Capacity: (According to	0						
	the max free space on the selected disks)	Maximum	(MB)					
	Sector Size:	512B C						
	DV Mode:	Disable C		Margin:			Read:	Write:
	(Enable special cache policy for DV/sequential write applications)			(Increasin result in n performar maximum performar	g the margin nore stable nce, but decr read/write nce.)	n % will ease the		
	Disk Cache Policy:	Unchange	٥					
			Cr	eat :				

#### Note:

Quick Initialization is the best option for creating arrays with new or unused drives.

4. Once the array has been created, a new device should be displayed under Logical Device Information.

Global View	Physical L	ogical	Settin	g Eve	nt SHI	Recover	Logout	Help
Create Array			L	ogical D	evice Info	ormation		
Spare Pool	Name	Type	Capacity	BlockSize	SectorSize	OS Name	Status	
Logical Device	RAID_5_0	RAID S	7.00 TB	64k	5128	HPT DISK 0_0	Normal	Maintenance

5. Right Click the start button or bottom-left window. Select the Disk Management to run the Windows Disk Management Utility.



6. **Disk Management** will ask to initialize unknown disks either in MBR format or GPT.

3	Disk Management		×
File Action Vie	ew Help		
(= -) IT 2	📰 🕅 🗙 📽 🚘 询 🔜		
Volume	Initialize Disk ×	Free Spa	% F
(D:)	You must initialize a disk before Logical Disk Manager can access it. Select disks:	200 MB 620 MB 74.51 GB	10C 10C 10C
BOOTCAMP (C:		21.09 GB	56
<	Use the following partition style for the selected disks:		>
Disk 0	MBR (Master Boot Record)     O GPT (GUID Partition Table)		^
Basic 113.00 GB Online	Note: The GPT partition style is not recognized by all previous versions of Windows.		
	OK Cancel		_
Disk 1			<b>.</b>
Unallocated	Primary partition		

(Windows) Disk Management asks to initialize the disks before use. As a general rule, select MBR for disks less than 2TB and GPT for disks greater than 2TB.

7. Right click the unallocated space and click New Simple Volume.

Disk 0     Basic     13972.19 GB	13972.19 GB	New Simple Volume
Online	Unallocated	New Spanned Volume
		New Striped Volume
Disk 1		New Mirrored Volume
Basic 1952 02 CB	System Reserved	New RAID-5 Volume
Online	Healthy (System, A	Properties
		Help

Right Click unallocated space, then click New Simple Volume.

- 8. Follow the on-screen instructions to configure and format the drive.
- 9. Once finished, the new volume will receive a drive letter and be available for use.

Disk 0	
Basic	New Volume (E:)
13972.19 GB	13972.19 GB NTFS
Online	Healthy (Primary Partition)

RAID array is now formatted as NTFS and drive letter E:

### **Contacting Technical Support**

If you require assistance, or have questions about any HighPoint product or solution, please submit a support ticket online at <u>http://www.highpoint-tech.com/websupport/</u>.

You may also call us during our regular business hours: Monday – Friday (Excluding Holidays), 9 AM to 6 PM (PST) **Phone:** (408) 240-6108