

RocketStor 6414TS/6418TS Setup Guide (Mac OS X)

Mar. 10, 2016
Revision 1.0
HighPoint Technologies, Inc.

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 www.highpoint-tech.com

HighPoint Mac Drivers have file extension **.dmg**; make sure the file extension for the files you downloaded are the same.

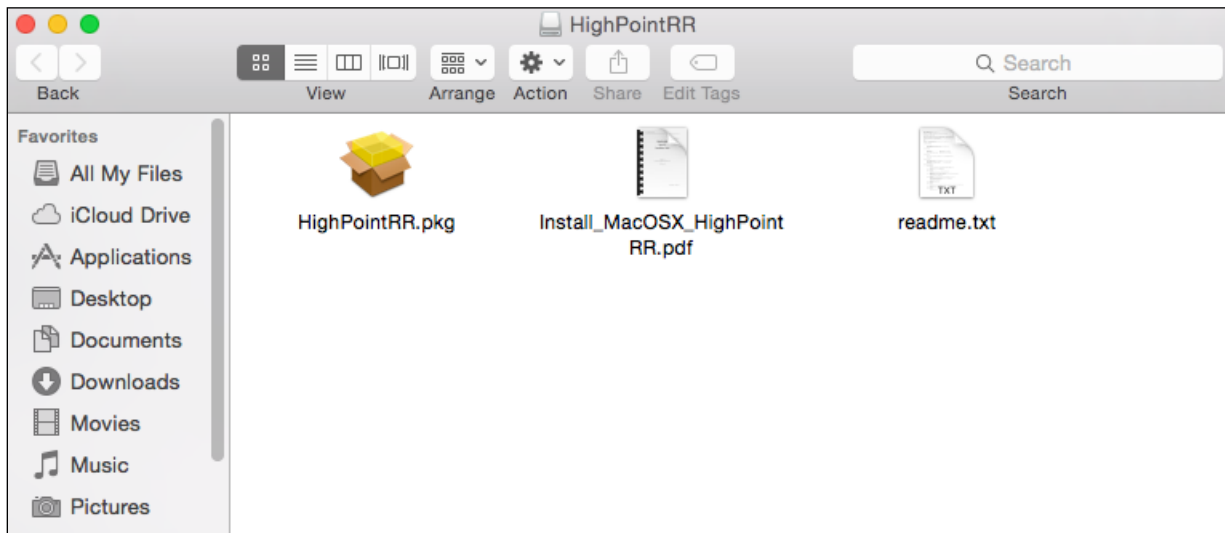
1. Obtain the latest driver online at www.highpoint-tech.com > Tower RAID Storage Enclosure > RocketStor 6414TS or RocketStor 6418TS > Software Download
 - Navigate to your specific HBA controller page (Refer to **How to View HBA Properties** to find the model name)

The screenshot displays the HighPoint RAID Management 2.5.5 web interface. At the top, a dropdown menu shows 'Controller(1): RR2722'. The HighPoint Technologies, Inc. logo is in the top right. A navigation bar includes 'Global View', 'Physical', 'Logical', 'Setting', 'Event', 'SHI', 'Recover', 'Logout', and 'Help'. The main content is split into two panels: 'HBA Properties' and 'Storage Properties'. The 'HBA Properties' panel lists: Host Adapter model: RocketRAID 2722 SAS Controller; Controller count: 1; Enclosure count: 0; Physical Drive: 4; Legacy Disk: 4; RAID Count: 4. The 'Storage Properties' panel features an HPT storage icon and shows: Total Capacity: 14002 GB; Configured Capacity: 14002 GB; Free Capacity: 0 GB. A red bar at the bottom of this panel indicates 'Configured 100.0%'. The footer contains the text: 'HighPoint RAID Management 2.5.5 Copyright (c) 1996-2015 HighPoint Technologies, Inc. All Rights Reserved'.

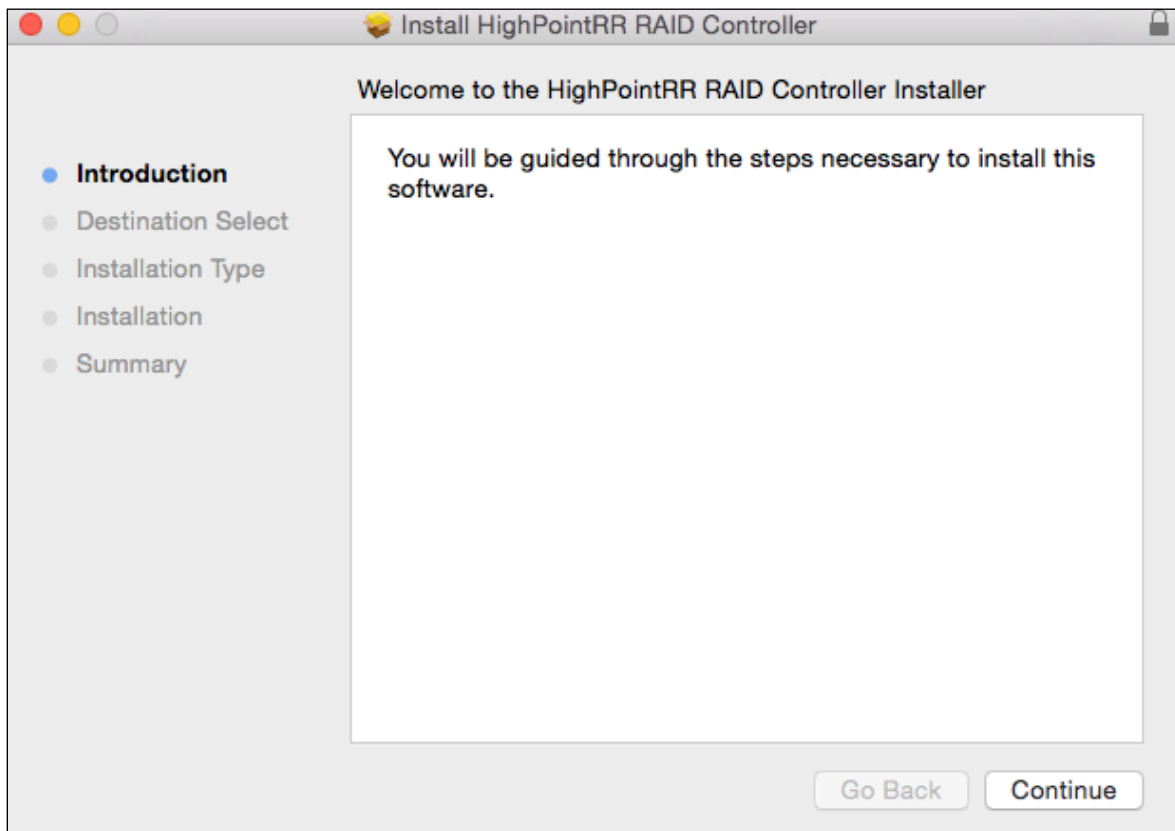
2. Click the downloaded file.



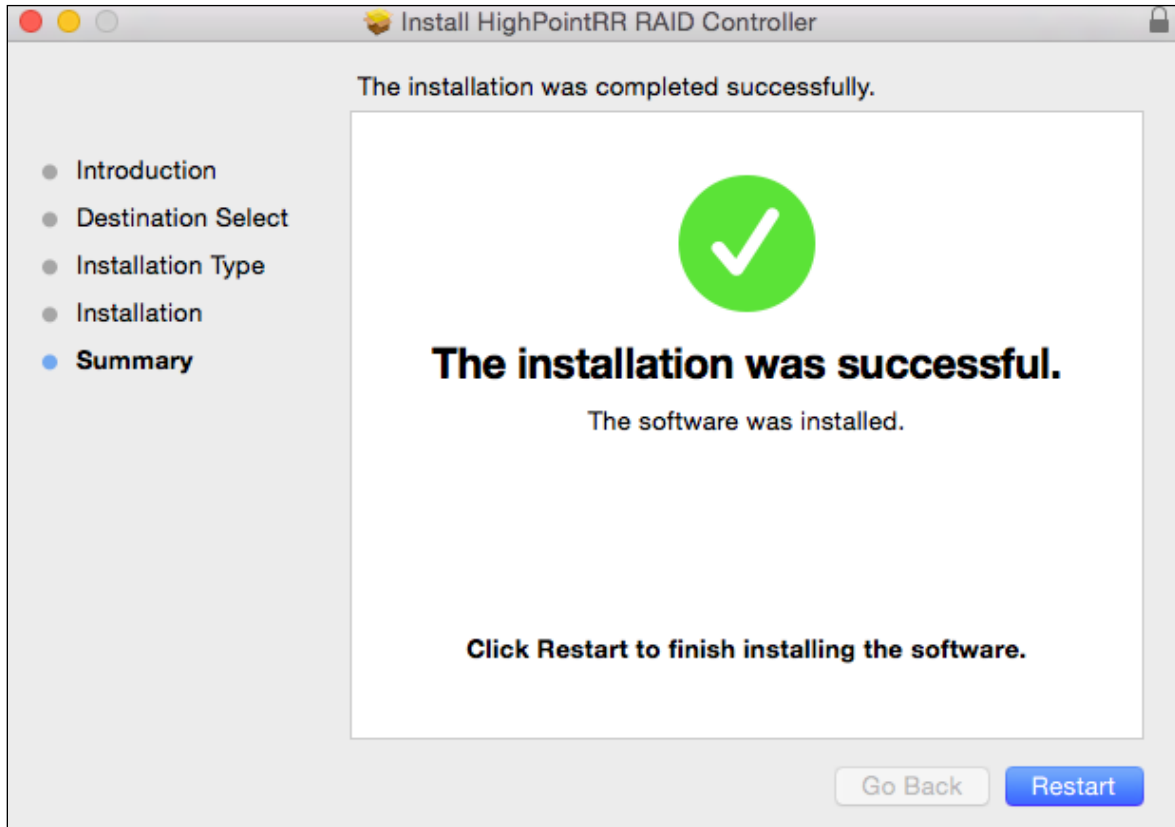
3. A mounted volume (**HighPointRR**) will appear on the desktop. Click to open the volume.
4. Click the driver package to start installation (~.pkg file)



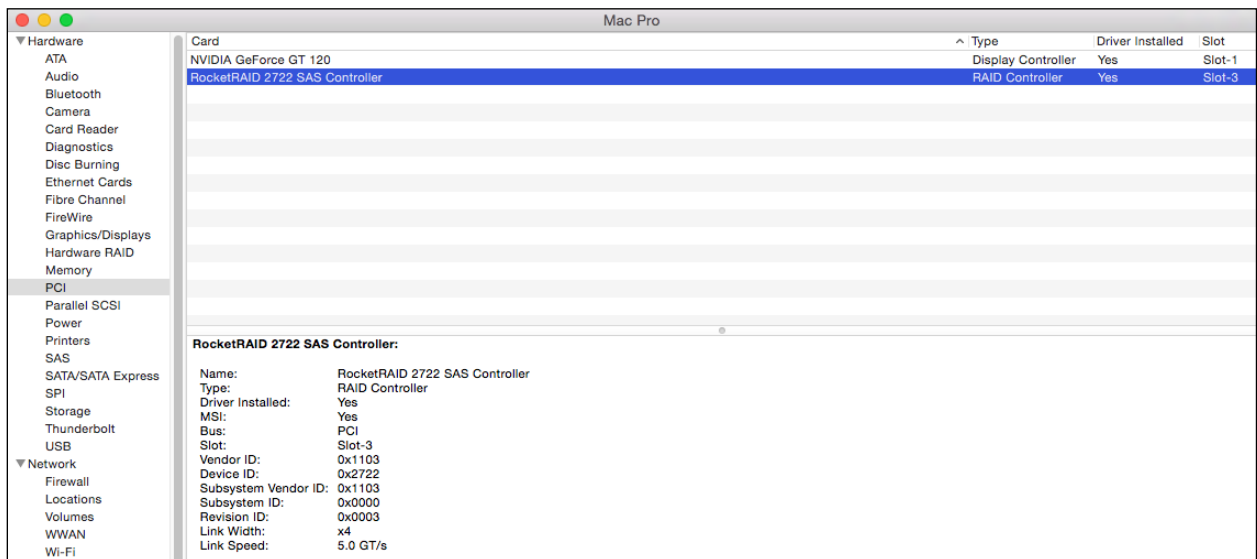
5. Follow the on-screen instructions of the installer.



6. **Reboot** the computer to allow the changes to take effect.



7. Make sure **Driver Installed** is Yes. Click the **Apple Icon >About this Mac... > System Report > PCI** to check the driver status.

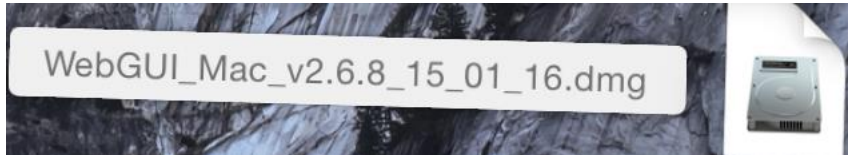


Click Apple Icon > About this Mac... > System Report > PCI

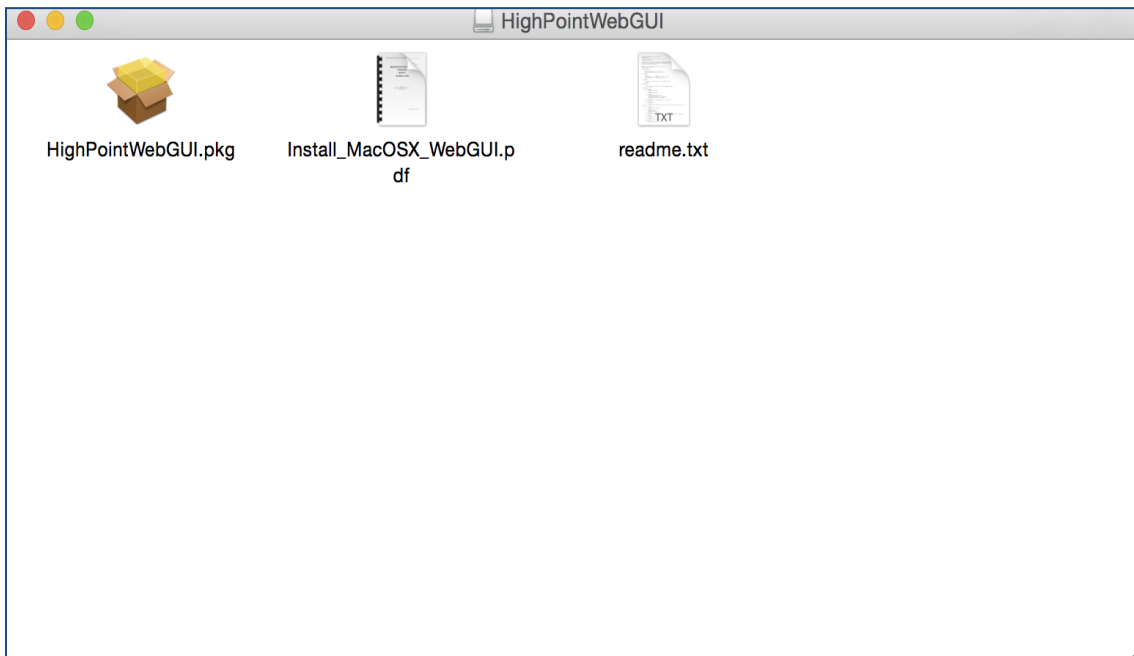
Install HighPoint RAID Management (WebGUI)

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

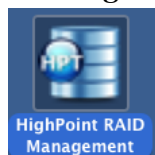
1. Download the latest WebGUI from our website www.highpoint-tech.com > Tower RAID Storage Enclosure > RocketStor 6414TS or RocketStor 6418TS > Software Download
2. Double Click the downloaded Mac WebGUI file.



3. Double click the **HighPointWebGUI.pkg** to start heWebGUI installer.



4. Follow the installer's 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 a username and password (Default username: **RAID** / password: **hpt**). Note, the username and password are case-sensitive.

Uninstalling HighPoint RAID Management (WebGUI)

1. Navigate to **/Applications/HPTWEBGUI/uninstall**.
2. Click on the uninstall script.
3. Type in the Administrator password when prompted.

Quick Way to build RAID 5 Storage Array

1. Double-click the RAID management software ICON on the desktop to log into the WebGUI.
2. 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.

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Global View Physical **Logical** Setting Event SHI Recover Logout Help

Create Array
Spare Pool
Logical Device
Rescan
Beeper Mute

Logical Device Information							
Name	Type	Capacity	BlockSize	SectorSize	OS Name	Status	
Device_1_1	Hard Disk	4.00 TB			HPT DISK 0_0	Legacy	
Device_1_2	Hard Disk	1.00 TB			HPT DISK 0_1	Legacy	
Device_1_3	Hard Disk	4.00 TB			HPT DISK 0_2	Legacy	
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	

Physical Device Information				
Location	Model	Capacity	Max Free	
1/1	WDC WD4000FYYZ-01UL1B0-WD-WMC130032417	4.00 TB	0.00 GB	
1/2	WDC WD1003FBYZ-010FB0-WD-WCAW37342146	1.00 TB	0.00 GB	
1/3	WDC WD4000FYYZ-01UL1B0-WD-WMC130032453	4.00 TB	0.00 GB	
1/4	WDC WD4000FYYZ-01UL1B0-WD-WMC130016977	4.00 TB	0.00 GB	
1/5	ST3000VX000-9YW166-S1F0RW6H	3.00 TB	0.00 GB	
1/6	ST3000VX000-9YW166-W1F12AA5	3.00 TB	0.00 GB	
1/7	HGST HUS724040ALA640-PN2331PAGKSJMW	4.00 TB	0.00 GB	
1/8	HGST HUS724040ALA640-PN2331PAGL03NW	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.

Create Array

Array Type: RAID 5

Array Name: Default

Initialization Method: Quick Init

Cache Policy: Write Back

Block Size: 64K

Number of RAID5 member disks: 3

Select All	Location Model	Capacity	Max Free
<input checked="" type="checkbox"/>	1/1 WDC WD4000FYYZ-01UL1B0-WD-WMC130032417	4.00 TB	0.00 GB
<input checked="" type="checkbox"/>	1/2 WDC WD1003FBYZ-010FB0-WD-WCAW37342146	1.00 TB	0.00 GB
<input checked="" type="checkbox"/>	1/3 WDC WD4000FYYZ-01UL1B0-WD-WMC130032453	4.00 TB	0.00 GB
<input checked="" type="checkbox"/>	1/4 WDC WD4000FYYZ-01UL1B0-WD-WMC130016977	4.00 TB	0.00 GB
<input checked="" type="checkbox"/>	1/5 ST3000VX000-9YW166-S1FORW6H	3.00 TB	0.00 GB
<input checked="" type="checkbox"/>	1/6 ST3000VX000-9YW166-W1F12AA5	3.00 TB	0.00 GB
<input checked="" type="checkbox"/>	1/7 HGST HUS724040ALA640-PN2331PAGKSJMW	4.00 TB	0.00 GB
<input checked="" type="checkbox"/>	1/8 HGST HUS724040ALA640-PN2331PAGL03NW	4.00 TB	0.00 GB

Capacity: (According to the max free space on the selected disks) Maximum (MB)

Sector Size: 512B

DV Mode: Disable

(Enable special cache policy for DV/sequential write applications)

Disk Cache Policy: Unchange

Margin: Read: 5% Write: 5%

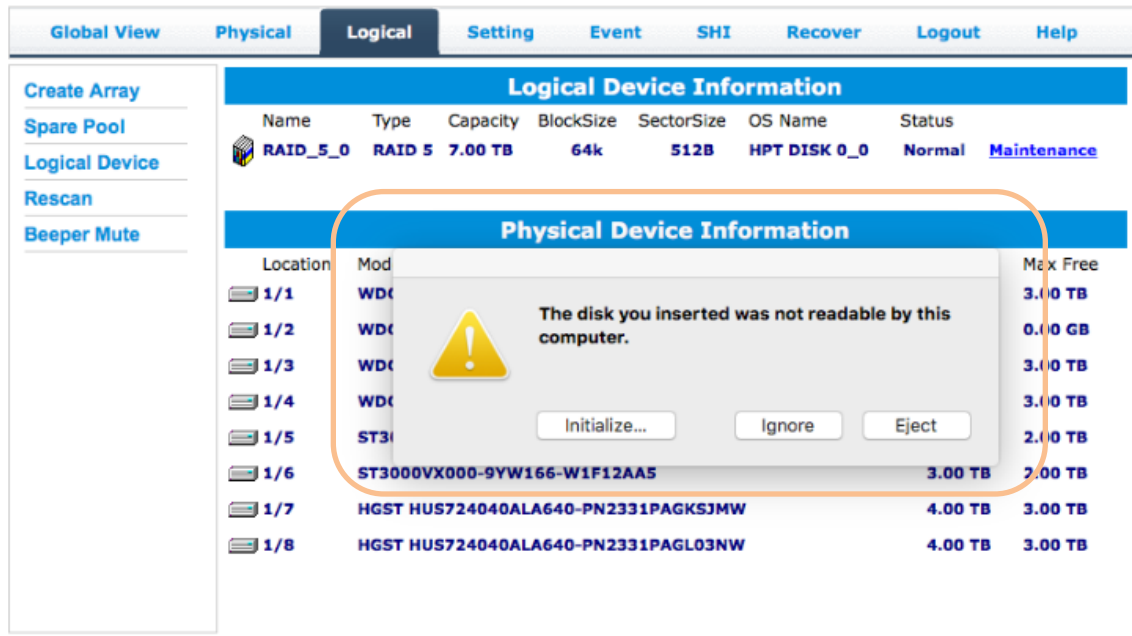
(Increasing the margin % will result in more stable performance, but decrease the maximum read/write performance.)

Create

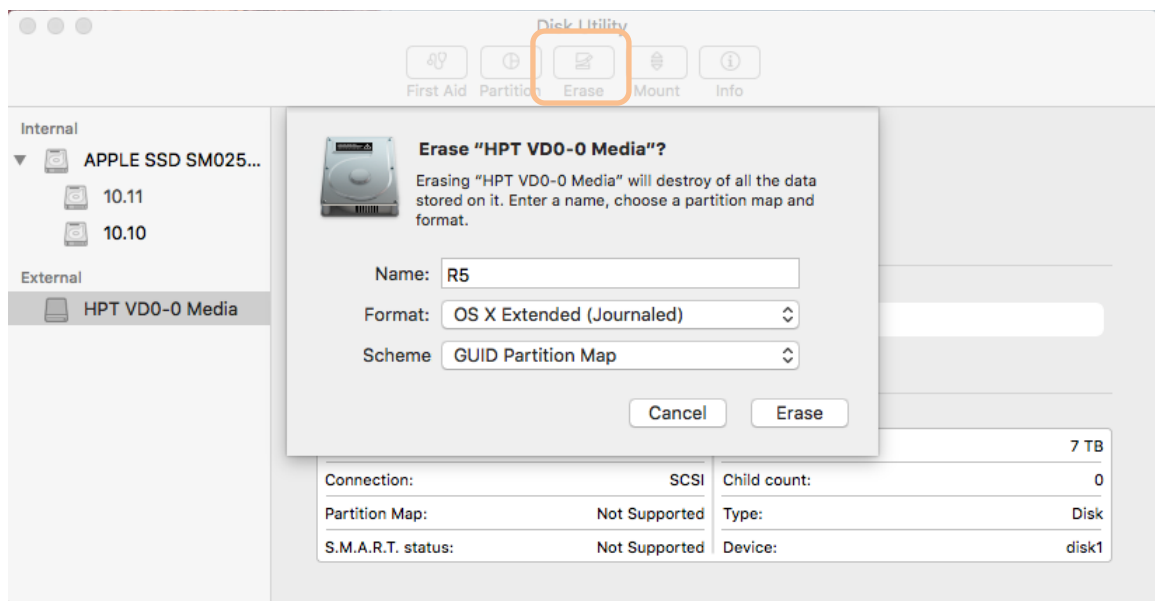
Note:

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

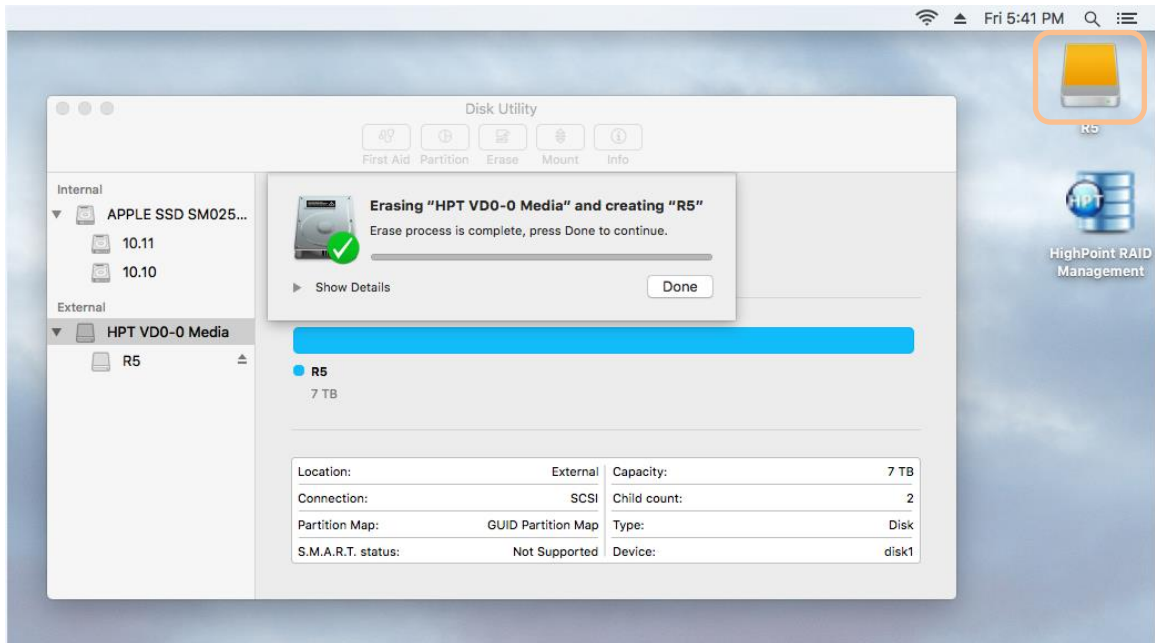
- Once the array has been created, a new device should be displayed under **Logical Device Information**. OS X will detect the RAID array and display the following message:



- Click the Initialize button to run Disk Utility. Use the Erase button and name the new disk volume.



6. After the array has been erased, the new RAID volume will be detected by the Mac system, and be accessible via the desktop icon.



Contacting Technical Support

Frequently asked questions (FAQ) can be found on the online knowledge base:

<http://www.highpoint-tech.com/websupport/kbn.php>

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

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

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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)