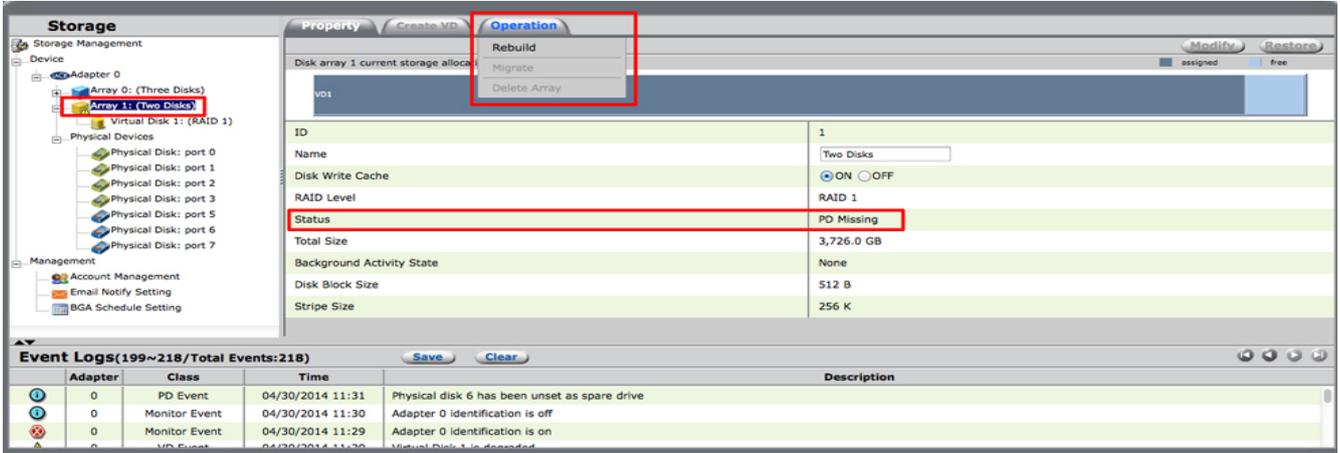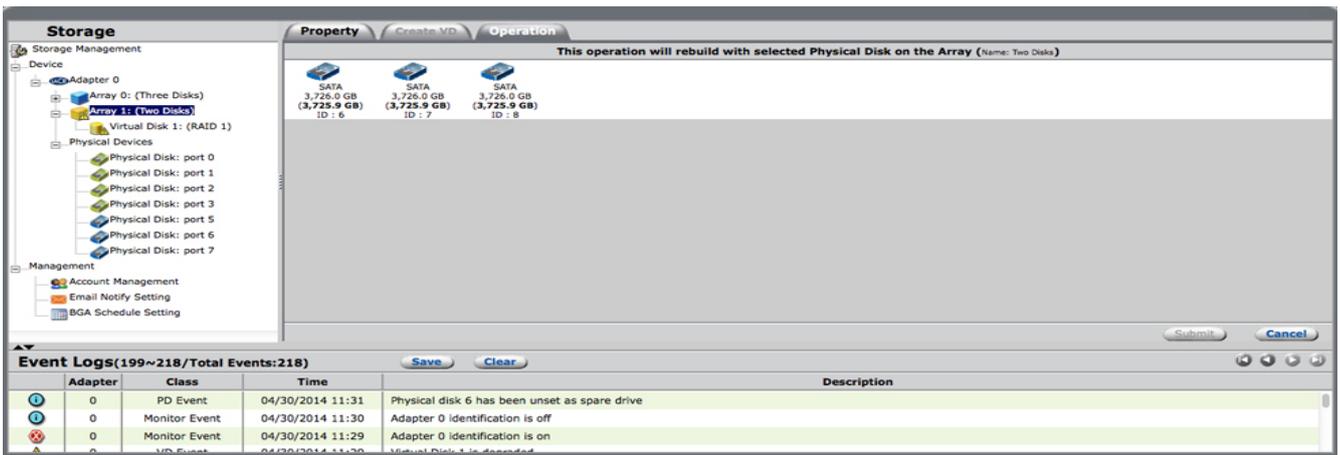# MANAGE DISK FAILURE: MANUAL REBUILD

This section describes the procedure for manually rebuilding a degraded array when Auto-Rebuild is disabled and a dedicated spare drive is not available. You must have at least one unconfigured hard drive in the enclosure to perform the steps below.
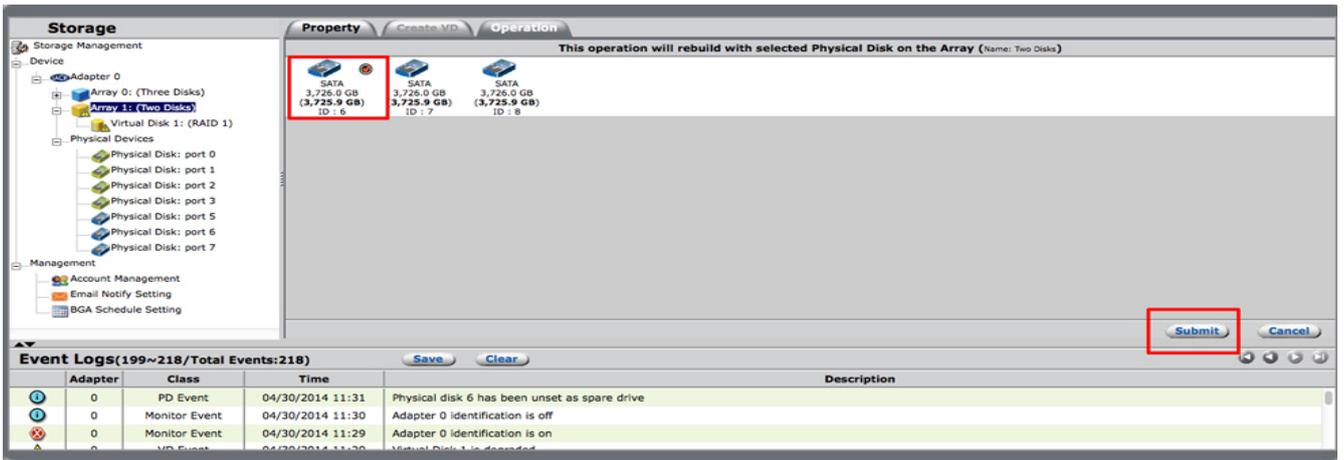
REBUILDING A DEGRADED ARRAY

1. Select the degraded array in the Storage pane. You will recognize the degraded array by its yellow icon.
2. Roll over the **Operation** tab and select **Rebuild**.

3. LaCie RAID Manager displays hard drives that have not been added to an array.

4. Select a hard drive from the list and choose **Submit**.

Storage

Storage Management
Device
Adapter 0
Array 0: (Three Disks)
Array 1: (Two Disks)
Virtual Disk 1: (RAID 1)
Physical Devices
Physical Disk: port 0
Physical Disk: port 1
Physical Disk: port 2
Physical Disk: port 3
Physical Disk: port 5
Physical Disk: port 6
Physical Disk: port 7
Management
Account Management
Email Notify Setting
BGA Schedule Setting

| Property | Create VD | Operation |

This operation will rebuild with selected Physical Disk on the Array (Name: Two Disks)

SATA
3,726.0 GB
(3,725.9 GB)
ID : 6

SATA
3,726.0 GB
3,725.9 GB
ID : 7

SATA
3,726.0 GB
(3,725.9 GB)
ID : 8

Submit   Cancel

Event Logs(199~218/Total Events:218)   Save   Clear

	Adapter	Class	Time	Description
	0	PD Event	04/30/2014 11:31	Physical disk 6 has been unset as spare drive
	0	Monitor Event	04/30/2014 11:30	Adapter 0 identification is off
	0	Monitor Event	04/30/2014 11:29	Adapter 0 identification is on
	0	VD Event	04/30/2014 11:29	Virtual Disk 1 is degraded

5. Choose the Property tab for the array. The Background Activity State shows that the rebuild is running.

Storage

Storage Management
Device
Adapter 0
Array 0: (Three Disks)
Array 1: (Two Disks)
Virtual Disk 1: (RAID 1)
Physical Devices
Physical Disk: port 0
Physical Disk: port 1
Physical Disk: port 2
Physical Disk: port 3
Physical Disk: port 5
Physical Disk: port 6
Physical Disk: port 7
Management
Account Management
Email Notify Setting
BGA Schedule Setting

| Property | Create VD | Operation |

Modify   Restore

Disk array 1 current storage allocation: assigned   free

VD1

ID	1
Name	Two Disks
Disk Write Cache	●ON ○OFF
RAID Level	RAID 1
Status	PD Missing
Total Size	3,726.0 GB
Background Activity State	Rebuild running
Disk Block Size	512 B
Stripe Size	256 K

Event Logs(200~219/Total Events:219)   Save   Clear

	Adapter	Class	Time	Description
	0	VD Event	04/30/2014 11:34	Rebuild disk on virtual disk 1 started
	0	PD Event	04/30/2014 11:31	Physical disk 6 has been unset as spare drive
	0	Monitor Event	04/30/2014 11:30	Adapter 0 identification is off
	0	Monitor Event	04/30/2014 11:29	Adapter 0 identification is on