

Re: Need Advice re SCSI

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/questions/2006-02/msg00223.html>

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 - *Date:* Thu, 2 Feb 2006 20:38:21 -0800
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Regarding this e-mail message posted a few days ago (see except below *), to which there's been no reply as yet.

Good news. The lack of response was very intuitive. I solved a major problem. The LSI Logic adapter card I'm using has two internal connectors for two separate buses. I switched the ribbon cable to which the two drives are connected to the other connector on the card and now the drives are coming up. I won't try to explain why 'cause I have no idea (accept maybe slot mismatch only allows one connector to be used).

Looking at the boot messages something about it suggested to me that the system was trying to find something on mpt1 (the other bus connector on the card).

I hope this will be useful for someone in the future as a possible fix for a similar problem.

*Hello all;

I have installed an LSI Logic SCSI adapter card and have attached to it two 18GB Maxtor 15k SCSI hard drives.

These drives are 80 pin drives and I have obtained adapter boards to convert the 80 pin connectors to 68 pin ribbon cable for connection to the SCSI adapter (these adapters are from Cables To Go). This adapter is made for a 64 bit PCI slot. I only have 32 bit PCI slots. I was told via tech support response e-mail from LSI Logic that I could use the adapter card in 32 bit slots but with reduced performance. About an inch of the card connector tab hangs off the end of the PCI slot.

The following has been culled from dmesg.boot, /var/log/messages, and transcribed from shutdown messages:
From dmesg.boot

```
mpt0: <LSILogic 1030 Ultra4 Adapter> port 0xe900-0xe9ff mem 0xeb0e0000-0xeb0ffff
f,0xeb100000-0xeb11ffff irq 11 at device 11.0 on pci0
mpt0: [GIANT-LOCKED]
mpt0: MPI Version=1.2.9.0
mpt0: Unhandled Event Notify Frame. Event 0xa.
mpt0: mpt_wait_req timed out
mpt0: port enable timed outmpt0: failed to enable port 0
mpt0: Unable to initialize IOC
mpt1: <LSILogic 1030 Ultra4 Adapter> port 0xea00-0xeaff mem 0xeb140000-0xeb15fff
f,0xeb160000-0xeb17ffff irq 10 at device 11.1 on pci0
mpt1: [GIANT-LOCKED]
mpt1: MPI Version=1.2.9.0
mpt1: Unhandled Event Notify Frame. Event 0xa.
```

Here is output from var/log/messages re SCSI:

```
Feb 1 01:57:40 AMD64 kernel: Waiting 5 seconds for SCSI devices to settle
```

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Here is transcription of shutdown messages:

mpt1: Soft reset failed: device not running

mpt1: WARNING – Failed hard reset!

mpt1: Unhandled Event Notify Frame. Event 0x6149.

The operating system has hatled.

Press any key to reboot.

Perhaps it would take an engineer to look at this and give me advice but;

There is no entry for any da device indicating that the drives are not detected but the adapter is.

Drives start up with a clattering sound (somewhat like the sound I associate with roulette wheels...um...dicey?) and it's unclear if they are in fact running.

I am using FreeBSD v6.0 on Elite Group ECS 755 A2 motherboard with AMD64 (slot 754).

I need to be able to format and partition these drives for use which means they have to show up.

I have taken some time to try to track down a source of motherboards with 64 bit PCI slots and don't have any data to go on as yet.

Sorry, I'm a little too bewildered to ask specific questions but any info and advice would be appreciated.

Thanks in advance

Jeff K

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