

## strange umass/scsi behaviour

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2003-07/1792.html>

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**Date:** 07/30/03

Date: Wed, 30 Jul 2003 07:58:59 +0200  
To: [current@freebsd.org](mailto:current@freebsd.org)

Hi,

Does anyone have an idea why the umass/scsi code behave differently between if you boot with a device already plugged in as opposed to plugging it in later? In my case it is a Sandisk Cruiser. If I plug it in before booting, it works just great, but if I plug it in later, it does not want to work.

Below is the dmesg output of the various stages.

#####  
Here I have plugged it in after FreeBSD was already up and running.

```
umass0: SanDisk Cruzer, rev 1.10/1.00, addr 2
da0 at umass-sim0 bus 0 target 0 lun 0
da0: <SanDisk Cruzer 2.00> Removable Direct Access SCSI-0 device
da0: 1.000MB/s transfers
da0: Attempt to query device size failed: NOT READY, Medium not present
(da0:umass-sim0:0:0:0): READ CAPACITY. CDB: 25 0 0 0 0 0 0 0 0
(da0:umass-sim0:0:0:0): CAM Status: SCSI Status Error
(da0:umass-sim0:0:0:0): SCSI Status: Check Condition
(da0:umass-sim0:0:0:0): NOT READY asc:3a,0
(da0:umass-sim0:0:0:0): Medium not present
(da0:umass-sim0:0:0:0): Unretryable error
Opened disk da0 -> 6
(da0:umass-sim0:0:0:0): READ CAPACITY. CDB: 25 0 0 0 0 0 0 0 0
(da0:umass-sim0:0:0:0): CAM Status: SCSI Status Error
(da0:umass-sim0:0:0:0): SCSI Status: Check Condition
(da0:umass-sim0:0:0:0): UNIT ATTENTION asc:28,0
(da0:umass-sim0:0:0:0): Not ready to ready change, medium may have changed
(da0:umass-sim0:0:0:0): Retrying Command (per Sense Data)
```

#####  
Here I boot with it plugged in.

FreeBSD 5.1-CURRENT #12: Tue Jul 29 09:59:56 SAST 2003  
[root@laptop.icomtek.csir.co.za](mailto:root@laptop.icomtek.csir.co.za):/usr/src/sys/i386/compile/LAPTOP

## freebsd-current: strange umass/scsi behaviour

Preloaded elf kernel "/boot/kernel/kernel" at 0xc04e5000.  
Preloaded elf module "/boot/kernel/snd\_neomagic.ko" at 0xc04e51f4.  
Preloaded elf module "/boot/kernel/snd\_pcm.ko" at 0xc04e52a8.  
Preloaded elf module "/boot/kernel/acpi.ko" at 0xc04e5354.  
Timecounter "i8254" frequency 1193182 Hz  
Timecounter "TSC" frequency 363961368 Hz  
CPU: Pentium II/Pentium II Xeon/Celeron (363.96-MHz 686-class CPU)  
Origin = "GenuineIntel" Id = 0x66a Stepping = 10  
Features=0x183f9ff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE36,MMX,SSSE3,SSE4\_1,SSE4\_2,POPCNT,AVX,AVX2>  
real memory = 134135808 (127 MB)  
avail memory = 124919808 (119 MB)  
Pentium Pro MTRR support enabled  
npx0: <math processor> on motherboard  
npx0: INT 16 interface  
acpi0: <DELL CPi A > on motherboard  
pcbios: BIOS version 2.10  
Using \$PIR table, 5 entries at 0xc00fbda0  
Timecounter "ACPI-safe" frequency 3579545 Hz  
acpi\_timer0: <24-bit timer at 3.579545MHz> port 0x808-0x80b on acpi0  
acpi\_cpu0: <CPU> on acpi0  
acpi\_tz0: <thermal zone> on acpi0  
acpi\_acad0: <AC adapter> on acpi0  
acpi\_cmbat0: <Control method Battery> on acpi0  
acpi\_cmbat1: <Control method Battery> on acpi0  
acpi\_lid0: <Control Method Lid Switch> on acpi0  
acpi\_button0: <Power Button> on acpi0  
acpi\_button1: <Sleep Button> on acpi0  
pcib0: <ACPI Host-PCI bridge> port 0xcf8-0xcff on acpi0  
pci0: <ACPI PCI bus> on pcib0  
pci0: slot 7 INTD is routed to irq 11  
agp0: <Intel 82443BX (440 BX) host to PCI bridge> mem 0xf4000000-0xf7ffffff at device 0.0 on pci0  
pcib1: <ACPI PCI-PCI bridge> at device 1.0 on pci0  
pci1: <ACPI PCI bus> on pcib1  
pci1: slot 0 INTA is routed to irq 11  
pci1: slot 0 INTB is routed to irq 5  
pci1: <display, VGA> at device 0.0 (no driver attached)  
pcm0: <NeoMagic 256AV> mem 0xfda00000-0xfdaaffff,0xf8c00000-0xf8ffffff irq 5 at device 0.1 on pci1  
pcm0: <SigmaTel STAC9704 AC97 Codec>  
cbb0: <TI1225 PCI-CardBus Bridge> at device 3.0 on pci0  
cardbus0: <CardBus bus> on cbb0  
pccard0: <16-bit PCCard bus> on cbb0  
pci0: slot 3 INTA is routed to irq 11  
cbb1: <TI1225 PCI-CardBus Bridge> at device 3.1 on pci0  
cardbus1: <CardBus bus> on cbb1  
pccard1: <16-bit PCCard bus> on cbb1  
pci0: slot 3 INTA is routed to irq 11  
isab0: <PCI-ISA bridge> at device 7.0 on pci0  
isa0: <ISA bus> on isab0  
atapci0: <Intel PIIX4 UDMA33 controller> port 0x860-0x86f at device 7.1 on pci0  
ata0: at 0x1f0 irq 14 on atapci0  
ata1: at 0x170 irq 15 on atapci0

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uhci0: <Intel 82371AB/EB (PIIX4) USB controller> port 0xece0-0xecff irq 11 at device 7.2 on pci0  
usb0: <Intel 82371AB/EB (PIIX4) USB controller> on uhci0  
usb0: USB revision 1.0  
uhub0: Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1  
uhub0: 2 ports with 2 removable, self powered  
umass0: SanDisk Cruzer, rev 1.10/1.00, addr 2  
pci0: <bridge, PCI-unknown> at device 7.3 (no driver attached)  
atkbdc0: <Keyboard controller (i8042)> port 0x64,0x60 irq 1 on acpi0  
atkbd0: <AT Keyboard> flags 0x1 irq 1 on atkbdc0  
kbd0 at atkbd0  
psm0: <PS/2 Mouse> irq 12 on atkbdc0  
psm0: model Generic PS/2 mouse, device ID 0  
orm0: <Option ROMs> at iomem  
0xcf800-0xcfff,0xcf000-0xcf7ff,0xce800-0xcefff,0xce000-0xce7ff,0xc0000-0xcdfff on isa0  
pmtimer0 on isa0  
fdc0: <Enhanced floppy controller (i82077, NE72065 or clone)> at port 0x3f7,0x3f0-0x3f5 irq 6 drq 2 on isa0  
fdc0: FIFO enabled, 8 bytes threshold  
fd0: <1440-KB 3.5" drive> on fdc0 drive 0  
ppc0: <Parallel port> at port 0x378-0x37f irq 7 on isa0  
ppc0: SMC-like chipset (ECP/EPP/PS2/NIBBLE) in COMPATIBLE mode  
ppc0: FIFO with 16/16/8 bytes threshold  
ppbus0: <Parallel port bus> on ppc0  
lpt0: <Printer> on ppbus0  
lpt0: Interrupt-driven port  
sc0: <System console> at flags 0x100 on isa0  
sc0: VGA <16 virtual consoles, flags=0x300>  
sio0 at port 0x3f8-0x3ff irq 4 flags 0x10 on isa0  
sio0: type 16550A  
sio1: configured irq 3 not in bitmap of probed irqs 0  
sio1: port may not be enabled  
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0  
Timecounters tick every 10.000 msec  
cardbus0: Resource not specified in CIS: id=14, size=80  
cardbus0: Resource not specified in CIS: id=18, size=80  
xl0: <3Com 3c575C Fast Etherlink XL> port 0x1000-0x107f mem  
0x88002000-0x8800207f,0x88002080-0x880020ff irq 11 at device 0.0 on cardbus0  
xl0: Ethernet address: 00:50:da:b0:ab:e5  
miibus0: <MII bus> on xl0  
tdkphy0: <TDK 78Q2120 media interface> on miibus0  
tdkphy0: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, auto  
ad0: 6194MB <IBM-DADA-26480> [13424/15/63] at ata0-master UDMA33  
acd0: CDROM <TEAC CD-ROM CD-224E> at ata1-master PIO4  
da0 at umass-sim0 bus 0 target 0 lun 0  
da0: <SanDisk Cruzer 2.00> Removable Direct Access SCSI-0 device  
da0: 1.000MB/s transfers  
da0: 14MB (29120 512 byte sectors: 64H 32S/T 14C)  
Mounting root from ufs:/dev/ad0s2a

#####  
Here I pull it out.

freebsd-current: strange umass/scsi behaviour

umass0: at uhub0 port 1 (addr 2) disconnected  
(da0:umass-sim0:0:0:0): lost device  
(da0:umass-sim0:0:0:0): removing device entry  
umass0: detached

#####

And plug it back in.

umass0: SanDisk Cruzer, rev 1.10/1.00, addr 2  
da0 at umass-sim0 bus 0 target 0 lun 0  
da0: <SanDisk Cruzer 2.00> Removable Direct Access SCSI-0 device  
da0: 1.000MB/s transfers  
da0: Attempt to query device size failed: NOT READY, Medium not present  
(da0:umass-sim0:0:0:0): READ CAPACITY. CDB: 25 0 0 0 0 0 0 0 0  
(da0:umass-sim0:0:0:0): CAM Status: SCSI Status Error  
(da0:umass-sim0:0:0:0): SCSI Status: Check Condition  
(da0:umass-sim0:0:0:0): NOT READY asc:3a,0  
(da0:umass-sim0:0:0:0): Medium not present  
(da0:umass-sim0:0:0:0): Unretryable error  
Opened disk da0 -> 6  
(da0:umass-sim0:0:0:0): READ CAPACITY. CDB: 25 0 0 0 0 0 0 0 0  
(da0:umass-sim0:0:0:0): CAM Status: SCSI Status Error  
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(da0:umass-sim0:0:0:0): NOT READY asc:3a,0  
(da0:umass-sim0:0:0:0): Medium not present  
(da0:umass-sim0:0:0:0): Unretryable error  
Opened disk da0 -> 6

#####

John

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freebsd-current@freebsd.org mailing list

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