

## Re: 2.6.11 AC patch CD/DVD issues

*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-03/7078.html>

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*Date:* 03/22/05

To: Linux Kernel Mailing List <[linux-kernel@vger.kernel.org](mailto:linux-kernel@vger.kernel.org)>

Date: Wed, 23 Mar 2005 03:35:47 +1100

Hi

quick follow-up... it seems while stuffing around with it all, i screwed up the permissions on some of the /dev bits. cd/dvd access is now fine irrespective of where they get mounted and whether or not i have it8212 enabled. thanks.

one point i did notice on tinkering some more. when setting it8212 to raid mode, the following appears on boot:

```
hda: max request size: 128KiB
hda: 156301488 sectors (80026 MB) w/8192KiB Cache, CHS=65535/16/63, BUG
hda: cache flushes not supported
/dev/ide/host0/bus0/target0/lun0:hda: recal_intr: status=0x51
{ DriveReady SeekComplete Error }
hda: recal_intr: error=0x04 { DriveStatusError }
```

there are no arrays defined as such and the raid bios defaults to pass through (ata) mode as if having selected this in the bios. selecting ata mode in the bios has everything running normally and those messages do not appear.

i don't know if there is anything in the above – whether its a problem. from the it8212 manual it states that not setting up a raid array, it behaves in ata mode so i guess technically the errors noted above should not occur(???). the module seems to expect a raid array when set in raid mode in the bios – even if one has not been defined and where it should probably go to pass through mode(????).

anyway...

thanks for your help and your work on getting the module working.

Takis

On Mon, 2005-03-21 at 02:27 +1100, Takis Diakoumis wrote:

> *Hi*

>

## Linux–Kernel: Re: 2.6.11 AC patch CD/DVD issues

- > currently running kernel 2.6.11.3 with ac patch 2.6.11–ac3. i just
- > noticed an issue with the attached CD/DVD drives – they no longer seem
- > to allow CD audio ripping/playback/dvd multimedia. data CDs/DVDs are ok
- > when mounted – though all gui umount tools (i'm using gnome) report
- > errors in accessing the drives (they won't eject – though umount itself
- > is working).
- >
- > i am running debian testing branch.
- >
- > i've been tinkering with the ac patch to get proper support for the
- > raid/ata controller IT8212 on the gigabyte 8knxp motherboard. i am using
- > this in pass through mode only – not raid. i was on the 2.6.7 kernel
- > with the IT8212 module from the chip vendor, but this began to dump when
- > adding additional drives. did some digging, landed on the ac patch and
- > have been compiling it and using it since kernel2.6.10 and associated ac
- > patches. i have since tried to go backwards from 2.6.10 but couldn't get
- > a working kernel for 2.6.8 and 2.6.9 with the ac patches (wouldn't boot
- > – blank screen only). unfortunately i couldn't determine with which
- > version (or all) it may have first appeared.
- >
- > i did not compile the it821x driver into the kernel but as a module (i
- > have tried that also – no change). though i'm not actually loading the
- > module from /etc/modules, its loaded anyway (along with a myriad of
- > other ata controllers which then report errors as they can't be unloaded
- > – though i read somewhere on this list that this was by design???)
- >
- > the it821x module does seem to be working ok (though a couple of odd
- > lines appear in dmesg – see below). i have complete access to the drives
- > connected to the controller without issue as far as i can tell.
- >
- > all cd ripping/reading tools for audio/multimedia cds report unable to
- > initialize /dev/cdrom (a link to cdrom device).
- >
- > i have tried setting the controller in the bios to ata mode only or in
- > raid mode and not defining a raid array, which defaults to plain ata
- > mode anyway. no change with either setting. if i disable the controller
- > from the bios, all is ok and i have full expected access to both cd and
- > dvd drives with all tools/apps etc. enabling again, i lose them beyond
- > simple data mounts.
- >
- > physical drive configuration is as follows:
- > IDE0: 120gb primary drive (/dev/hde)
- > 80gb slave drive (/dev/hdf)
- > IDE1: DVD reader primary (/dev/hdg)
- > CD–RW slave (/dev/hdh)
- > IT8212: 80gb primary drive (/dev/hda)
- > 20gb slave drive (/dev/hdb)
- >
- > the IT8212 controller takes /dev/hda to hdd. so primary/secondary ide go
- > from hde to hdh. root is mounted on /dev/hde.
- >

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```
> i have included relevant output below (sorry, it seems like quite the
> dump – tried to follow the instructions on how to report a bug). please
> let me know if there is anything else required that may help. also, am
> willing to test anything given. (like i said, i've been compiling since
> 2.6.8 to get it8212 support)
>
> thanks.
>
> df
> Filesystem 1K–blocks Used Available Use% Mounted on
> /dev/hde2 114223428 15156732 93264420 14% /
> tmpfs 517984 0 517984 0% /dev/shm
> /dev/hdf1 76920416 9493932 63519076 14% /home/takisid
> /dev/hdb1 19694836 43688 18650704 1% /mnt/backup
> /dev/hda1 76922968 23898540 49116896 33% /software
> -----
> dmesg (cut with relevant bits)
> Kernel command line: root=/dev/hde2 vga=791 ro
> Uniform Multi–Platform E–IDE driver Revision: 7.00alpha2
> ide: Assuming 33MHz system bus speed for PIO modes; override with
> idebus=xx
> IT8212: IDE controller at PCI slot 0000:03:0c.0
> ACPI: PCI interrupt 0000:03:0c.0[A] –> GSI 21 (level, low) –> IRQ 169
> IT8212: chipset revision 17
> it821x: controller in smart mode.
> IT8212: 100% native mode on irq 169
> ide0: BM–DMA at 0x9000–0x9007, BIOS settings: hda:pio, hdb:DMA
> ide1: BM–DMA at 0x9008–0x900f, BIOS settings: hdc:pio, hdd:pio
> hda: WDC WD800JB–00FMA0, ATA DISK drive
> hdb: Maxtor 2B020H1, ATA DISK drive
> hda: Performing identify fixups.
> hdb: Performing identify fixups.
> ide2: BM–DMA at 0xf000–0xf007, BIOS settings: hde:DMA, hdf:DMA
> ide3: BM–DMA at 0xf008–0xf00f, BIOS settings: hdg:DMA, hdh:DMA
> hde: WDC WD1200JB–00CRA1, ATA DISK drive
> hdf: WDC WD800JB–00ETA0, ATA DISK drive
> hdg: SONY DVD–ROM DDU1613, ATAPI CD/DVD–ROM drive
> hdh: SONY CD–RW CRX230E, ATAPI CD/DVD–ROM drive
> hda: max request size: 128KiB
> hda: 156301488 sectors (80026 MB) w/8192KiB Cache, CHS=65535/16/63, BUG
> hda: cache flushes not supported
> /dev/ide/host0/bus0/target0/lun0:hda: recal_intr: status=0x51
> { DriveReady SeekComplete Error }
> hda: recal_intr: error=0x04 { DriveStatusError }
> hdb: max request size: 128KiB
> hdb: 40020624 sectors (20490 MB) w/2048KiB Cache, CHS=39703/16/63, BUG
> hdb: cache flushes not supported
> /dev/ide/host0/bus0/target1/lun0:hdb: recal_intr: status=0x51
> { DriveReady SeekComplete Error }
> hdb: recal_intr: error=0x04 { DriveStatusError }
> hde: max request size: 128KiB
```

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```
> hde: 234441648 sectors (120034 MB) w/8192KiB Cache, CHS=65535/16/63,
> UDMA(100)
> hde: cache flushes not supported
> hdf: max request size: 1024KiB
> hdf: 156301488 sectors (80026 MB) w/8192KiB Cache, CHS=16383/255/63,
> UDMA(100)
> hdf: cache flushes supported
> Adding 1172696k swap on /dev/hde1. Priority:-1 extents:1
> EXT3 FS on hde2, internal journal
> EXT3 FS on hdf1, internal journal
> EXT3 FS on hdb1, internal journal
> EXT3 FS on hda1, internal journal
> -----
>
> -----
> cat /proc/version
> Linux version 2.6.11.3.15032005 (root@fulcrum) (gcc version 3.3.5
> (Debian 1:3.3.5-8)) #1 SMP Tue Mar 15 14:50:11 EST 2005
> -----
> /usr/src/linux/scripts/ver_linux
> Linux fulcrum 2.6.11.3.15032005 #1 SMP Tue Mar 15 14:50:11 EST 2005 i686
> GNU/Linux
>
> Gnu C 3.3.5
> Gnu make 3.80
> binutils 2.15
> util-linux 2.12
> mount 2.12
> module-init-tools 3.2-pre1
> e2fsprogs 1.35
> reiserfsprogs line
> reiser4progs line
> PPP 2.4.2
> nfs-utils 1.0.6
> Linux C Library 2.3.2
> Dynamic linker (ldd) 2.3.2
> Procps 3.2.1
> Net-tools 1.60
> Console-tools 0.2.3
> Sh-utils 5.2.1
> ./ver_linux: line 90: udevinfo: command not found
> Modules Loaded ipv6 lp autofs4 nfsd exportfs lockd sunrpc cdrom
> analog gameport parport_pc parport floppy pccspkr eth1394 ohci1394
> ieee1394 snd_intel8x0 snd_ac97_codec snd_pcm_oss snd_mixer_oss snd_pcm
> snd_timer snd soundcore snd_page_alloc i2c_i801 generic ehci_hcd
> uhci_hcd usbcore shpchp pci_hotplug intel_agp intel_mch_agp md mousedev
> evdev nvidia agpgart psmouse smbfs e1000 it87 i2c_sensor i2c_isa
> i2c_core rtc vfat fat ntfs ide_disk ide_generic via82cxxx trm290 triflex
> slc90e66 sis5513 siimage serverworks sc1200 rz1000 piix pdc202xx_old
> opti621 ns87415 hpt366 hpt34x cy82c693 cs5530 cs5520 cmd64x atiixp
> amd74xx alim15x3 aec62xx pdc202xx_new unix it821x ide_core ext3 jbd
```

```
> mbcache
> -----
> cat /proc/cpuinfo
> processor : 0
> vendor_id : GenuineIntel
> cpu family : 15
> model : 2
> model name : Intel(R) Pentium(R) 4 CPU 3.00GHz
> stepping : 9
> cpu MHz : 3015.186
> cache size : 512 KB
> physical id : 0
> siblings : 2
> fdiv_bug : no
> hlt_bug : no
> f00f_bug : no
> coma_bug : no
> fpu : yes
> fpu_exception : yes
> cpuid level : 2
> wp : yes
> flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge
> mca cmov pat pse36 clflush dts acpi mmx fxsr sse sse2 ss ht tm pbe cid
> xtp
> bogomips : 5980.16
>
> processor : 1
> vendor_id : GenuineIntel
> cpu family : 15
> model : 2
> model name : Intel(R) Pentium(R) 4 CPU 3.00GHz
> stepping : 9
> cpu MHz : 3015.186
> cache size : 512 KB
> physical id : 0
> siblings : 2
> fdiv_bug : no
> hlt_bug : no
> f00f_bug : no
> coma_bug : no
> fpu : yes
> fpu_exception : yes
> cpuid level : 2
> wp : yes
> flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge
> mca cmov pat pse36 clflush dts acpi mmx fxsr sse sse2 ss ht tm pbe cid
> xtp
> bogomips : 6012.92
> -----
> fdisk -l
> Disk /dev/hda: 80.0 GB, 80026361856 bytes
```

## Linux–Kernel: Re: 2.6.11 AC patch CD/DVD issues

```
> 16 heads, 63 sectors/track, 155061 cylinders
> Units = cylinders of 1008 * 512 = 516096 bytes
>
> Device Boot Start End Blocks Id System
> /dev/hda1 1 155061 78150712+ 83 Linux
>
> Disk /dev/hdb: 20.4 GB, 20490559488 bytes
> 255 heads, 63 sectors/track, 2491 cylinders
> Units = cylinders of 16065 * 512 = 8225280 bytes
>
> Device Boot Start End Blocks Id System
> /dev/hdb1 1 2491 20008926 83 Linux
>
> Disk /dev/hde: 120.0 GB, 120034123776 bytes
> 255 heads, 63 sectors/track, 14593 cylinders
> Units = cylinders of 16065 * 512 = 8225280 bytes
>
> Device Boot Start End Blocks Id System
> /dev/hde1 1 146 1172713+ 82 Linux swap
> /dev/hde2 * 147 14593 116045527+ 83 Linux
>
> Disk /dev/hdf: 80.0 GB, 80026361856 bytes
> 255 heads, 63 sectors/track, 9729 cylinders
> Units = cylinders of 16065 * 512 = 8225280 bytes
>
> Device Boot Start End Blocks Id System
> /dev/hdf1 1 9729 78148161 83 Linux
> -----
> cat /proc/modules
> ipv6 271392 12 – Live 0xf94e9000
> lp 13060 0 – Live 0xf93c5000
> autofs4 20868 0 – Live 0xf93da000
> nfsd 226336 8 – Live 0xf9461000
> exportfs 7296 1 nfsd, Live 0xf9394000
> lockd 68264 2 nfsd, Live 0xf93ef000
> sunrpc 149828 2 nfsd,lockd, Live 0xf9402000
> cdrom 42528 0 – Live 0xf93ce000
> analog 13344 0 – Live 0xf938b000
> gameport 5888 1 analog, Live 0xf9383000
> parport_pc 37956 1 – Live 0xf93b5000
> parport 39880 2 lp,parport_pc, Live 0xf93aa000
> floppy 62480 0 – Live 0xf9399000
> pcspkr 4684 0 – Live 0xf9366000
> eth1394 23176 0 – Live 0xf9369000
> ohci1394 36612 0 – Live 0xf9311000
> ieee1394 113208 2 eth1394,ohci1394, Live 0xf9326000
> snd_intel8x0 35136 3 – Live 0xf92b7000
> snd_ac97_codec 79864 1 snd_intel8x0, Live 0xf92f0000
> snd_pcm_oss 55968 0 – Live 0xf92e1000
> snd_mixer_oss 21888 1 snd_pcm_oss, Live 0xf9290000
> snd_pcm 98180 4 snd_intel8x0,snd_ac97_codec,snd_pcm_oss, Live 0xf92c8000
```

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> *snd\_timer* 27780 1 *snd\_pcm*, Live 0xf9225000  
> *snd* 60260 11  
> *snd\_intel8x0,snd\_ac97\_codec,snd\_pcm\_oss,snd\_mixer\_oss,snd\_pcm,snd\_timer*,  
> Live 0xf929b000  
> *soundcore* 11872 1 *snd*, Live 0xf9221000  
> *snd\_page\_alloc* 11140 2 *snd\_intel8x0,snd\_pcm*, Live 0xf91e6000  
> *i2c\_i801* 9868 0 – Live 0xf91bc000  
> *generic* 5764 0 – Live 0xf887a000  
> *ehci\_hcd* 36360 0 – Live 0xf927e000  
> *uhci\_hcd* 34704 0 – Live 0xf9274000  
> *usbcore* 124536 3 *ehci\_hcd,uhci\_hcd*, Live 0xf9238000  
> *shpchp* 103812 0 – Live 0xf9259000  
> *pci\_hotplug* 36680 1 *shpchp*, Live 0xf922e000  
> *intel\_agp* 24220 0 – Live 0xf91ea000  
> *intel\_mch\_agp* 11920 1 – Live 0xf91b8000  
> *md* 50768 0 – Live 0xf91f1000  
> *mousedev* 13088 2 – Live 0xf91b3000  
> *evdev* 10752 0 – Live 0xf91af000  
> *nvidia* 3474648 12 – Live 0xf959e000  
> *agpgart* 36912 3 *intel\_agp,intel\_mch\_agp,nvidia*, Live 0xf9168000  
> *psmouse* 30728 0 – Live 0xf9173000  
> *smbfs* 70648 0 – Live 0xf919c000  
> *e1000* 91444 0 – Live 0xf9184000  
> *it87* 27292 0 – Live 0xf9158000  
> *i2c\_sensor* 4608 1 *it87*, Live 0xf908b000  
> *i2c\_isa* 3072 0 – Live 0xf9089000  
> *i2c\_core* 24576 4 *i2c\_i801,it87,i2c\_sensor,i2c\_isa*, Live 0xf9161000  
> *rtc* 14028 0 – Live 0xf90a3000  
> *vfat* 15232 0 – Live 0xf908f000  
> *fat* 42780 1 *vfat*, Live 0xf9097000  
> *ntfs* 113264 0 – Live 0xf90aa000  
> *ide\_disk* 20096 9 – Live 0xf907e000  
> *ide\_generic* 2304 0 [permanent], Live 0xf9073000  
> *via82cxxx* 13468 0 [permanent], Live 0xf9084000  
> *trm290* 5380 0 [permanent], Live 0xf907b000  
> *triflex* 4864 0 [permanent], Live 0xf9078000  
> *slc90e66* 6912 0 [permanent], Live 0xf9075000  
> *sis5513* 15752 0 [permanent], Live 0xf905a000  
> *siimage* 13824 0 [permanent], Live 0xf906c000  
> *serverworks* 8840 0 [permanent], Live 0xf9068000  
> *sc1200* 8320 0 [permanent], Live 0xf9064000  
> *rz1000* 3712 0 [permanent], Live 0xf902b000  
> *piix* 11780 0 [permanent], Live 0xf8845000  
> *pdcc202xx\_old* 12416 0 [permanent], Live 0xf905f000  
> *opti621* 5764 0 [permanent], Live 0xf9028000  
> *ns87415* 4808 0 [permanent], Live 0xf9025000  
> *hpt366* 21248 0 [permanent], Live 0xf9053000  
> *hpt34x* 6400 0 [permanent], Live 0xf887d000  
> *cy82c693* 5632 0 [permanent], Live 0xf8872000  
> *cs5530* 6016 0 [permanent], Live 0xf886f000  
> *cs5520* 5888 0 [permanent], Live 0xf8867000

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```
> cmd64x 13212 0 [permanent], Live 0xf8875000
> atiixp 7312 0 [permanent], Live 0xf8864000
> amd74xx 14236 0 [permanent], Live 0xf886a000
> alim15x3 11788 0 [permanent], Live 0xf8834000
> aec62xx 8704 0 [permanent], Live 0xf8841000
> pdc202xx_new 10240 0 [permanent], Live 0xf883d000
> unix 30868 660 - Live 0xf885b000
> it821x 10116 0 [permanent], Live 0xf8839000
> ide_core 136480 28
>
generic,ide_disk,ide_generic,via82cxxx,trm290,triflex,slc90e66,sis5513,siimage,serverworks,sc1200,rz1000,piix,pdc20
Live 0xf9002000
> ext3 147592 4 - Live 0xf902d000
> jbd 66456 1 ext3, Live 0xf8849000
> mbcache 11140 1 ext3, Live 0xf8804000
> -----
> cat /proc/ioports
> 0000-001f : dma1
> 0020-0021 : pic1
> 0040-0043 : timer0
> 0050-0053 : timer1
> 0060-006f : keyboard
> 0070-0077 : rtc
> 0080-008f : dma page reg
> 00a0-00a1 : pic2
> 00c0-00df : dma2
> 00f0-00ff : fpu
> 0170-0177 : ide3
> 01f0-01f7 : ide2
> 0290-0297 : it87
> 02f8-02ff : serial
> 0376-0376 : ide3
> 0378-037a : parport0
> 03c0-03df : vesafb
> 03f6-03f6 : ide2
> 03f8-03ff : serial
> 0cf8-0cff : PCI conf1
> 1000-107f : 0000:00:1f.0
> 1000-1003 : PM1a_EVT_BLK
> 1004-1005 : PM1a_CNT_BLK
> 1008-100b : PM_TMR
> 1028-102f : GPE0_BLK
> 1080-10bf : 0000:00:1f.0
> 1400-141f : 0000:00:1f.3
> 1400-140f : i801-smbus
> 8010-8017 : 0000:03:0c.0
> 8010-8017 : ide0
> 8400-8403 : 0000:03:0c.0
> 8402-8402 : ide0
> 8810-8817 : 0000:03:0c.0
> 8c00-8c03 : 0000:03:0c.0
```

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```
> 9000-900f: 0000:03:0c.0
> 9000-9007: ide0
> 9008-900f: ide1
> a000-afff: PCI Bus #02
> a000-a01f: 0000:02:01.0
> a000-a01f: e1000
> b000-b01f: 0000:00:1d.1
> b000-b01f: uhci_hcd
> b400-b41f: 0000:00:1d.2
> b400-b41f: uhci_hcd
> b800-b81f: 0000:00:1d.3
> b800-b81f: uhci_hcd
> bc00-bc1f: 0000:00:1d.0
> bc00-bc1f: uhci_hcd
> d800-d8ff: 0000:00:1f.5
> d800-d8ff: Intel ICH5
> dc00-dc3f: 0000:00:1f.5
> dc00-dc3f: Intel ICH5
> f000-f00f: 0000:00:1f.1
> f000-f007: ide2
> f008-f00f: ide3
> -----
> lspci -vvv
> 0000:00:00.0 Host bridge: Intel Corp. 82875P Memory Controller Hub (rev
> 02)
> Subsystem: Giga-byte Technology: Unknown device 2578
> Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-
> ParErr- Stepping- SERR- FastB2B-
> Status: Cap+ 66MHz- UDF- FastB2B+ ParErr- DEVSEL=fast >TAbort-
> <TAbort- <MAbort+ >SERR- <PERR-
> Latency: 0
> Region 0: Memory at e8000000 (32-bit, prefetchable) [size=128M]
> Capabilities: [e4] #09 [2106]
> Capabilities: [a0] AGP version 3.0
> Status: RQ=32 Iso- ArqSz=2 Cal=2 SBA+ ITACoh- GART64-
> HTrans- 64bit- FW+ AGP3+ Rate=x4,x8
> Command: RQ=1 ArqSz=0 Cal=2 SBA+ AGP+ GART64- 64bit- FW-
> Rate=x8
> 0000:00:01.0 PCI bridge: Intel Corp. 82875P Processor to AGP Controller
> (rev 02) (prog-if 00 [Normal decode])
> Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-
> ParErr- Stepping- SERR+ FastB2B-
> Status: Cap- 66MHz+ UDF- FastB2B+ ParErr- DEVSEL=fast >TAbort-
> <TAbort- <MAbort- >SERR- <PERR-
> Latency: 64
> Bus: primary=00, secondary=01, subordinate=01, sec-latency=32
> I/O behind bridge: 0000f000-00000fff
> Memory behind bridge: f8000000-f9ffffff
> Prefetchable memory behind bridge: f0000000-f7ffffff
> BridgeCtl: Parity- SERR- NoISA+ VGA+ MAbort- >Reset- FastB2B-
>
```

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```
> 0000:00:03.0 PCI bridge: Intel Corp. 82875P Processor to PCI to CSA
> Bridge (rev 02) (prog-if 00 [Normal decode])
> Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-
> ParErr- Stepping- SERR+ FastB2B-
> Status: Cap- 66MHz+ UDF- FastB2B+ ParErr- DEVSEL=fast >TAbort-
> <TAbort- <MAbort- >SERR- <PERR-
> Latency: 32
> Bus: primary=00, secondary=02, subordinate=02, sec-latency=0
> I/O behind bridge: 0000a000-0000afff
> Memory behind bridge: fc000000-fc0fffff
> Prefetchable memory behind bridge: fff00000-000fffff
> BridgeCtl: Parity- SERR+ NoISA+ VGA- MAbort- >Reset- FastB2B-
>
> 0000:00:1d.0 USB Controller: Intel Corp. 82801EB/ER (ICH5/ICH5R) USB
> UHCI #1 (rev 02) (prog-if 00 [UHCI])
> Subsystem: Giga-byte Technology: Unknown device 24d2
> Control: I/O+ Mem- BusMaster+ SpecCycle- MemWINV- VGASnoop-
> ParErr- Stepping- SERR- FastB2B-
> Status: Cap- 66MHz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
> <TAbort- <MAbort- >SERR- <PERR-
> Latency: 0
> Interrupt: pin A routed to IRQ 185
> Region 4: I/O ports at bc00 [size=32]
>
> 0000:00:1d.1 USB Controller: Intel Corp. 82801EB/ER (ICH5/ICH5R) USB
> UHCI #2 (rev 02) (prog-if 00 [UHCI])
> Subsystem: Giga-byte Technology GA-8IPE1000 Pro2 motherboard
> (865PE)
> Control: I/O+ Mem- BusMaster+ SpecCycle- MemWINV- VGASnoop-
> ParErr- Stepping- SERR- FastB2B-
> Status: Cap- 66MHz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
> <TAbort- <MAbort- >SERR- <PERR-
> Latency: 0
> Interrupt: pin B routed to IRQ 193
> Region 4: I/O ports at b000 [size=32]
>
> 0000:00:1d.2 USB Controller: Intel Corp. 82801EB/ER (ICH5/ICH5R) USB
> UHCI #3 (rev 02) (prog-if 00 [UHCI])
> Subsystem: Giga-byte Technology GA-8IPE1000 Pro2 motherboard
> (865PE)
> Control: I/O+ Mem- BusMaster+ SpecCycle- MemWINV- VGASnoop-
> ParErr- Stepping- SERR- FastB2B-
> Status: Cap- 66MHz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
> <TAbort- <MAbort- >SERR- <PERR-
> Latency: 0
> Interrupt: pin C routed to IRQ 177
> Region 4: I/O ports at b400 [size=32]
>
> 0000:00:1d.3 USB Controller: Intel Corp. 82801EB/ER (ICH5/ICH5R) USB
> UHCI #4 (rev 02) (prog-if 00 [UHCI])
> Subsystem: Giga-byte Technology GA-8IPE1000 Pro2 motherboard
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Linux-Kernel: Re: 2.6.11 AC patch CD/DVD issues

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> (865PE)
> Control: I/O+ Mem- BusMaster+ SpecCycle- MemWINV- VGASnoop-
> ParErr- Stepping- SERR- FastB2B-
> Status: Cap- 66MHz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
> <TAbort- <MAbort- >SERR- <PERR-
> Latency: 0
> Interrupt: pin A routed to IRQ 185
> Region 4: I/O ports at b800 [size=32]
>
> 0000:00:1d.7 USB Controller: Intel Corp. 82801EB/ER (ICH5/ICH5R) USB2
> EHCI Controller (rev 02) (prog-if 20 [EHCI])
> Subsystem: Giga-byte Technology GA-8IPE1000 Pro2 motherboard
> (865PE)
> Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-
> ParErr- Stepping- SERR- FastB2B-
> Status: Cap+ 66MHz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
> <TAbort- <MAbort- >SERR- <PERR-
> Latency: 0
> Interrupt: pin D routed to IRQ 201
> Region 0: Memory at fc100000 (32-bit, non-prefetchable)
> [size=1K]
> Capabilities: [50] Power Management version 2
> Flags: PMEclk- DSI- D1- D2- AuxCurrent=375mA PME(D0
> +,D1-,D2-,D3hot+,D3cold+)
> Status: D0 PME-Enable- DSel=0 DScale=0 PME-
>
> 0000:00:1e.0 PCI bridge: Intel Corp. 82801 PCI Bridge (rev c2) (prog-if
> 00 [Normal decode])
> Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-
> ParErr- Stepping- SERR+ FastB2B-
> Status: Cap- 66MHz- UDF- FastB2B+ ParErr- DEVSEL=fast >TAbort-
> <TAbort- <MAbort- >SERR- <PERR-
> Latency: 0
> Bus: primary=00, secondary=03, subordinate=03, sec-latency=32
> I/O behind bridge: 00008000-00009fff
> Memory behind bridge: fa000000-fbffffff
> Prefetchable memory behind bridge: fff00000-000ffffff
> BridgeCtl: Parity- SERR+ NoISA+ VGA- MAbort- >Reset- FastB2B-
>
> 0000:00:1f.0 ISA bridge: Intel Corp. 82801EB/ER (ICH5/ICH5R) LPC Bridge
> (rev 02) Control: I/O+ Mem+ BusMaster+ SpecCycle+ MemWINV-
> VGASnoop- ParErr- Stepping- SERR- FastB2B-
> Status: Cap- 66MHz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
> <TAbort- <MAbort- >SERR- <PERR-
> Latency: 0
>
> 0000:00:1f.1 IDE interface: Intel Corp. 82801EB/ER (ICH5/ICH5R) Ultra
> ATA 100 Storage Controller (rev 02) (prog-if 8a [Master SecP PriP])
> Subsystem: Giga-byte Technology GA-8IPE1000 Pro2 motherboard
> (865PE)
> Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-
```

Linux-Kernel: Re: 2.6.11 AC patch CD/DVD issues

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> ParErr- Stepping- SERR- FastB2B-
> Status: Cap- 66MHz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
> <TAbort- <MAbort- >SERR- <PERR-
> Latency: 0
> Interrupt: pin A routed to IRQ 177
> Region 0: I/O ports at <unassigned>
> Region 1: I/O ports at <unassigned>
> Region 2: I/O ports at <unassigned>
> Region 3: I/O ports at <unassigned>
> Region 4: I/O ports at f000 [size=16]
> Region 5: Memory at 40000000 (32-bit, non-prefetchable)
> [size=1K]
>
> 0000:00:1f.3 SMBus: Intel Corp. 82801EB/ER (ICH5/ICH5R) SMBus Controller
> (rev 02)
> Subsystem: Giga-byte Technology GA-8IPE1000 Pro2 motherboard
> (865PE)
> Control: I/O+ Mem- BusMaster- SpecCycle- MemWINV- VGASnoop-
> ParErr- Stepping- SERR- FastB2B-
> Status: Cap- 66MHz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
> <TAbort- <MAbort- >SERR- <PERR-
> Interrupt: pin B routed to IRQ 9
> Region 4: I/O ports at 1400 [size=32]
>
> 0000:00:1f.5 Multimedia audio controller: Intel Corp. 82801EB/ER
> (ICH5/ICH5R) AC'97 Audio Controller (rev 02)
> Subsystem: Giga-byte Technology: Unknown device a002
> Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-
> ParErr- Stepping- SERR- FastB2B-
> Status: Cap+ 66MHz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
> <TAbort- <MAbort- >SERR- <PERR-
> Latency: 0
> Interrupt: pin B routed to IRQ 209
> Region 0: I/O ports at d800 [size=256]
> Region 1: I/O ports at dc00 [size=64]
> Region 2: Memory at fc101000 (32-bit, non-prefetchable)
> [size=512]
> Region 3: Memory at fc102000 (32-bit, non-prefetchable)
> [size=256]
> Capabilities: [50] Power Management version 2
> Flags: PMEClk- DSI- D1- D2- AuxCurrent=375mA PME(D0
> +,D1-,D2-,D3hot+,D3cold+)
> Status: D0 PME-Enable- DSel=0 DScale=0 PME-
>
> 0000:01:00.0 VGA compatible controller: nVidia Corporation NV34 [GeForce
> FX 5200] (rev a1) (prog-if 00 [VGA])
> Subsystem: Giga-byte Technology: Unknown device 3103
> Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-
> ParErr- Stepping- SERR- FastB2B-
> Status: Cap+ 66MHz+ UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort-
> <TAbort- <MAbort- >SERR- <PERR-
```

Linux-Kernel: Re: 2.6.11 AC patch CD/DVD issues

> Latency: 248 (1250ns min, 250ns max)  
> Interrupt: pin A routed to IRQ 185  
> Region 0: Memory at f8000000 (32-bit, non-prefetchable)  
> [size=16M]  
> Region 1: Memory at f0000000 (32-bit, prefetchable) [size=128M]  
> Capabilities: [60] Power Management version 2  
> Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA  
> PME(D0-,D1-,D2-,D3hot-,D3cold-)  
> Status: D0 PME-Enable- DSel=0 DScale=0 PME-  
> Capabilities: [44] AGP version 3.0  
> Status: RQ=32 Iso- ArqSz=0 Cal=3 SBA+ ITACoh- GART64-  
> HTrans- 64bit- FW+ AGP3+ Rate=x4,x8  
> Command: RQ=32 ArqSz=2 Cal=0 SBA+ AGP+ GART64- 64bit-  
> FW- Rate=x8  
>  
> 0000:02:01.0 Ethernet controller: Intel Corp. 82547EI Gigabit Ethernet  
> Controller (LOM)  
> Subsystem: Giga-byte Technology GA-8IPE1000 Pro2 motherboard  
> (865PE)  
> Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-  
> ParErr- Stepping- SERR- FastB2B-  
> Status: Cap+ 66MHz+ UDF- FastB2B- ParErr- DEVSEL=medium >TAbort-  
> <TAbort- <MAbort- >SERR- <PERR-  
> Latency: 0 (63750ns min), Cache Line Size: 0x08 (32 bytes)  
> Interrupt: pin A routed to IRQ 177  
> Region 0: Memory at fc000000 (32-bit, non-prefetchable)  
> [size=128K]  
> Region 2: I/O ports at a000 [size=32]  
> Capabilities: [dc] Power Management version 2  
> Flags: PMEClk- DSI+ D1- D2- AuxCurrent=0mA PME(D0  
> +,D1-,D2-,D3hot+,D3cold+)  
> Status: D0 PME-Enable- DSel=0 DScale=1 PME-  
>  
> 0000:03:0a.0 FireWire (IEEE 1394): Texas Instruments TSB43AB23  
> IEEE-1394a-2000 Controller (PHY/Link) (prog-if 10 [OHCI])  
> Subsystem: Giga-byte Technology: Unknown device 1000  
> Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-  
> ParErr- Stepping- SERR- FastB2B-  
> Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort-  
> <TAbort- <MAbort- >SERR- <PERR-  
> Latency: 32 (500ns min, 1000ns max), Cache Line Size: 0x08 (32  
> bytes)  
> Interrupt: pin A routed to IRQ 217  
> Region 0: Memory at fb004000 (32-bit, non-prefetchable)  
> [size=2K]  
> Region 1: Memory at fb000000 (32-bit, non-prefetchable)  
> [size=16K]  
> Capabilities: [44] Power Management version 2  
> Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=0mA PME(D0+,D1  
> +,D2+,D3hot+,D3cold-)  
> Status: D0 PME-Enable- DSel=0 DScale=0 PME+

Linux-Kernel: Re: 2.6.11 AC patch CD/DVD issues

>  
> 0000:03:0c.0 RAID bus controller: Integrated Technology Express, Inc.  
> IT/ITE8212 Dual channel ATA RAID controller (PCI version seems to be  
> IT8212, embedded seems (rev 11)  
> Subsystem: Integrated Technology Express, Inc.: Unknown device  
> 0001  
> Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop-  
> ParErr- Stepping- SERR- FastB2B-  
> Status: Cap+ 66MHz+ UDF- FastB2B- ParErr- DEVSEL=medium >TAbort-  
> <TAbort- <MAbort- >SERR- <PERR-  
> Latency: 0 (2000ns min, 2000ns max)  
> Interrupt: pin A routed to IRQ 169  
> Region 0: I/O ports at 8010 [size=8]  
> Region 1: I/O ports at 8400 [size=4]  
> Region 2: I/O ports at 8810 [size=8]  
> Region 3: I/O ports at 8c00 [size=4]  
> Region 4: I/O ports at 9000 [size=16]  
> Capabilities: [80] Power Management version 2  
> Flags: PMEclk- DSI- D1- D2- AuxCurrent=0mA  
> PME(D0-,D1-,D2-,D3hot-,D3cold-)  
> Status: D0 PME-Enable- DSel=0 DScale=0 PME-  
>  
>  
>  
> -  
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>

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