

Sound stopped working a month ago!

Sound stopped working a month ago!

Source: <http://linux.derkeiler.com/Newsgroups/comp.os.linux.misc/2007-02/msg01215.html>

- *From:* Ignoramus30515 <ignoramus30515@xxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sat, 24 Feb 2007 11:39:15 -0600
-

About a month ago, sound stopped working on my son's computer. It runs FC6. This is the card:

Multimedia audio controller: Intel Corporation 82801BA/BAM AC'97 Audio

The sound card control GUI leaves much to be desired. I basically have no idea what is not working in this sound mess. Any idea on how I can get started here.

I am thinking to just give up on this sound mess and install sound blaster. That's what I did on my other computers.

i

----- System Config Soundcard Log -----
Sat Feb 24 11:25:29 CST 2007

----- lspci -----
00:00.0 Host bridge: Intel Corporation 82845 845 (Brookdale) Chipset Host Bridge (rev 03)
00:01.0 PCI bridge: Intel Corporation 82845 845 (Brookdale) Chipset AGP Bridge (rev 03)
00:1e.0 PCI bridge: Intel Corporation 82801 PCI Bridge (rev 12)
00:1f.0 ISA bridge: Intel Corporation 82801BA ISA Bridge (LPC) (rev 12)
00:1f.1 IDE interface: Intel Corporation 82801BA IDE U100 (rev 12)
00:1f.2 USB Controller: Intel Corporation 82801BA/BAM USB (Hub #1) (rev 12)
00:1f.4 USB Controller: Intel Corporation 82801BA/BAM USB (Hub #2) (rev 12)
00:1f.5 Multimedia audio controller: Intel Corporation 82801BA/BAM AC'97 Audio (rev 12)
01:00.0 VGA compatible controller: Matrox Graphics, Inc. MGA G400/G450 (rev 04)
02:09.0 Ethernet controller: 3Com Corporation 3c905B 100BaseTX [Cyclone] (rev 30)
02:0a.0 USB Controller: NEC Corporation USB (rev 43)
02:0a.1 USB Controller: NEC Corporation USB (rev 43)
02:0a.2 USB Controller: NEC Corporation USB 2.0 (rev 04)
02:0c.0 Multimedia video controller: Brooktree Corporation Bt878 Video Capture (rev 11)
02:0c.1 Multimedia controller: Brooktree Corporation Bt878 Audio Capture (rev 11)

----- lspci -vn -----
00:00.0 0600: 8086:1a30 (rev 03)
Subsystem: 1043:8070
Flags: bus master, fast devsel, latency 0
Memory at f8000000 (32-bit, prefetchable) [size=64M]

Sound stopped working a month ago!

Capabilities: [e4] Vendor Specific Information

Capabilities: [a0] AGP version 2.0

00:01.0 0604: 8086:1a31 (rev 03)

Flags: bus master, 66MHz, fast devsel, latency 64

Bus: primary=00, secondary=01, subordinate=01, sec-latency=0

Memory behind bridge: f3800000-f47ffff

Prefetchable memory behind bridge: f5f00000-f7ffffff

00:1e.0 0604: 8086:244e (rev 12)

Flags: bus master, fast devsel, latency 0

Bus: primary=00, secondary=02, subordinate=02, sec-latency=32

I/O behind bridge: 0000d000-0000dfff

Memory behind bridge: f1800000-f37ffff

Prefetchable memory behind bridge: f4800000-f5efffff

00:1f.0 0601: 8086:2440 (rev 12)

Flags: bus master, medium devsel, latency 0

00:1f.1 0101: 8086:244b (rev 12) (prog-if 80)

Subsystem: 1043:8028

Flags: bus master, medium devsel, latency 0

I/O ports at b800 [size=16]

00:1f.2 0c03: 8086:2442 (rev 12)

Subsystem: 1043:8028

Flags: bus master, medium devsel, latency 0, IRQ 16

I/O ports at b400 [size=32]

00:1f.4 0c03: 8086:2444 (rev 12)

Subsystem: 1043:8028

Flags: bus master, medium devsel, latency 0, IRQ 17

I/O ports at b000 [size=32]

00:1f.5 0401: 8086:2445 (rev 12)

Subsystem: 1043:8072

Flags: bus master, medium devsel, latency 0, IRQ 10

I/O ports at a800 [size=256]

I/O ports at a400 [size=64]

01:00.0 0300: 102b:0525 (rev 04)

Subsystem: 102b:2159

Flags: bus master, medium devsel, latency 64, IRQ 20

Memory at f6000000 (32-bit, prefetchable) [size=32M]

Memory at f4000000 (32-bit, non-prefetchable) [size=16K]

Memory at f3800000 (32-bit, non-prefetchable) [size=8M]

Expansion ROM at f5ff0000 [disabled] [size=64K]

Capabilities: [dc] Power Management version 2

Capabilities: [f0] AGP version 2.0

02:09.0 0200: 10b7:9055 (rev 30)

Sound stopped working a month ago!

Sound stopped working a month ago!

Subsystem: 10b7:9055
Flags: bus master, medium devsel, latency 32, IRQ 19
I/O ports at d800 [size=128]
Memory at f3000000 (32-bit, non-prefetchable) [size=128]
[virtual] Expansion ROM at f4820000 [disabled] [size=128K]
Capabilities: [dc] Power Management version 1

02:0a.0 0c03: 1033:0035 (rev 43) (prog-if 10)
Subsystem: 3083:0035
Flags: bus master, medium devsel, latency 32, IRQ 22
Memory at f2800000 (32-bit, non-prefetchable) [size=4K]
Capabilities: [40] Power Management version 2

02:0a.1 0c03: 1033:0035 (rev 43) (prog-if 10)
Subsystem: 3083:0035
Flags: bus master, medium devsel, latency 32, IRQ 17
Memory at f2000000 (32-bit, non-prefetchable) [size=4K]
Capabilities: [40] Power Management version 2

02:0a.2 0c03: 1033:00e0 (rev 04) (prog-if 20)
Subsystem: 3083:00e0
Flags: bus master, medium devsel, latency 32, IRQ 18
Memory at f1800000 (32-bit, non-prefetchable) [size=256]
Capabilities: [40] Power Management version 2

02:0c.0 0400: 109e:036e (rev 11)
Subsystem: 0070:13eb
Flags: bus master, medium devsel, latency 32, IRQ 18
Memory at f5000000 (32-bit, prefetchable) [size=4K]
Capabilities: [44] Vital Product Data
Capabilities: [4c] Power Management version 2

02:0c.1 0480: 109e:0878 (rev 11)
Subsystem: 0070:13eb
Flags: bus master, medium devsel, latency 32, IRQ 18
Memory at f4800000 (32-bit, prefetchable) [size=4K]
Capabilities: [44] Vital Product Data
Capabilities: [4c] Power Management version 2

```
----- lsmod -----  
Module Size Used by  
snd_intel8x0 37085 0  
snd_ac97_codec 99685 1 snd_intel8x0  
snd_ac97_bus 6593 1 snd_ac97_codec  
mga 64705 2  
drm 80341 3 mga  
autofs4 25797 2  
hidp 24513 2  
nfs 252237 2  
lockd 69193 2 nfs  
nfs_acl 7873 1 nfs
```

Sound stopped working a month ago!

Sound stopped working a month ago!

```
rfcomm 47065 0
l2cap 32065 10 hidp,rfcomm
bluetooth 62245 5 hidp,rfcomm,l2cap
sunrpc 166140 4 nfs,lockd,nfs_acl
dm_multipath 23241 0
video 21061 0
sbs 20097 0
i2c_ec 9281 1 sbs
button 10961 0
battery 14533 0
ac 9541 0
ipv6 276609 22
lp 16905 0
floppy 61605 0
iTCO_wdt 14853 0
pcspkr 7361 0
bt878 15273 0
tuner 63093 0
tvaudio 27357 0
snd_bt87x 19813 1
msp3400 33633 0
snd_seq_dummy 8133 0
bttv 178933 1 bt878
snd_seq_oss 36929 0
video_buf 29381 1 bttv
snd_seq_midi_event 11841 1 snd_seq_oss
ir_common 33605 1 bttv
snd_seq 57009 5 snd_seq_dummy,snd_seq_oss,snd_seq_midi_event
snd_seq_device 12365 3 snd_seq_dummy,snd_seq_oss,snd_seq
snd_pcm_oss 46433 0
compat_ioctl32 5569 1 bttv
snd_mixer_oss 20545 1 snd_pcm_oss
i2c_algo_bit 12105 1 bttv
parport_pc 31205 1
snd_pcm 81093 4 snd_intel8x0,snd_ac97_codec,snd_bt87x,snd_pcm_oss
btcx_risc 9161 1 bttv
parport 40713 2 lp,parport_pc
tveeprom 18513 1 bttv
i2c_core 26049 7 i2c_ec,tuner,tvaudio,msp3400,bttv,i2c_algo_bit,tveeprom
snd_timer 26693 2 snd_seq,snd_pcm
ide_cd 42465 0
snd 58181 12
snd_intel8x0,snd_ac97_codec,snd_bt87x,snd_seq_oss,snd_seq,snd_seq_device,snd_pcm_oss,snd_mixer_oss,snd_pcm
soundcore 12192 1 snd
videodev 28993 1 bttv
cdrom 38753 1 ide_cd
3c59x 47593 0
snd_page_alloc 14281 3 snd_intel8x0,snd_bt87x,snd_pcm
v4l1_compat 16453 1 videodev
ns558 9281 0
mii 9665 1 3c59x
```

Sound stopped working a month ago!

Sound stopped working a month ago!

```
v4l2_common 26305 4 tuner,msp3400,bttv,videodev
gameport 20297 2 ns558
serio_raw 11333 0
dm_snapshot 22513 0
dm_zero 6337 0
dm_mirror 26897 0
dm_mod 63321 9 dm_multipath,dm_snapshot,dm_zero,dm_mirror
ata_piix 20041 0
libata 109273 1 ata_piix
sd_mod 25025 0
scsi_mod 141805 2 libata,sd_mod
ext3 136905 2
jbd 64873 1 ext3
ehci_hcd 35661 0
ohci_hcd 25433 0
uhci_hcd 28237 0

----- /etc/modprobe.conf -----
alias eth0 3c59x
options snd-emu10k1 index=0
remove snd-emu10k1 { /usr/sbin/alsactl store 0 >/dev/null 2>&1 || : ; }; /sbin/modprobe -r --ignore-remove
snd-emu10k1
alias snd-card-1 snd-intel8x0
options snd-card-1 index=1
options snd-intel8x0 index=1
remove snd-intel8x0 { /usr/sbin/alsactl store 1 >/dev/null 2>&1 || : ; }; /sbin/modprobe -r --ignore-remove
snd-intel8x0

----- /etc/asound.conf -----
#Generated by system-config-soundcard, do not edit by hand
#SWCONF
#DEV 0
defaults.pcm.card 0
defaults.pcm.device 0
defaults.ctl.card 0

----- aplay -l -----
**** List of PLAYBACK Hardware Devices ****

----- amixer -----

----- /proc/asound/version -----
Advanced Linux Sound Architecture Driver Version 1.0.13 (Tue Nov 28 14:07:24 2006 UTC).

----- rpm -q alsa-lib -----
alsa-lib-1.0.13-1.fc6

----- rpm -q alsa-utils -----
alsa-utils-1.0.13-1.fc6
```

Sound stopped working a month ago!

----- /proc/asound/modules -----

1 snd_bt87x

----- /proc/asound/pcm -----

01-01: Bt87x Analog : Bt87x Analog : capture 1

01-00: Bt87x Digital : Bt87x Digital : capture 1

----- /etc/sysconfig/hwconf -----

-

class: OTHER

bus: PCI

detached: 0

driver: intel-rng

desc: "Intel Corporation 82801BA ISA Bridge (LPC)"

vendorId: 8086

deviceId: 2440

subVendorId: 0000

subDeviceId: 0000

pciType: 1

pcidom: 0

pcibus: 0

pcidev: 1f

pcifn: 0

-

class: OTHER

bus: PCI

detached: 0

desc: "Intel Corporation 82801 PCI Bridge"

vendorId: 8086

deviceId: 244e

subVendorId: 0000

subDeviceId: 0000

pciType: 1

pcidom: 0

pcibus: 0

pcidev: 1e

pcifn: 0

-

class: OTHER

bus: PCI

detached: 0

desc: "Intel Corporation 82845 845 (Brookdale) Chipset AGP Bridge"

vendorId: 8086

deviceId: 1a31

subVendorId: 0000

subDeviceId: 0000

pciType: 1

pcidom: 0

pcibus: 0

pcidev: 1

pcifn: 0

Sound stopped working a month ago!

Sound stopped working a month ago!

—
class: OTHER
bus: PCI
detached: 0
desc: "Intel Corporation 82845 845 (Brookdale) Chipset Host Bridge"
vendorId: 8086
deviceId: 1a30
subVendorId: 1043
subDeviceId: 8070
pciType: 1
pcidom: 0
pcibus: 0
pcidev: 0
pcifn: 0
—

class: OTHER
bus: USB
detached: 0
desc: "Linux 2.6.19-1.2911.fc6 ehci_hcd EHCI Host Controller"
usbclass: 9
usbsubclass: 0
usbprotocol: 0
usbbus: 5
usblevel: 0
usbport: 0
usbdev: 1
vendorId: 0000
deviceId: 0000
usbmfr: Linux 2.6.19-1.2911.fc6 ehci_hcd
usbprod: EHCI Host Controller
—

class: OTHER
bus: USB
detached: 0
desc: "Linux 2.6.19-1.2911.fc6 ohci_hcd OHCI Host Controller"
usbclass: 9
usbsubclass: 0
usbprotocol: 0
usbbus: 3
usblevel: 0
usbport: 0
usbdev: 1
vendorId: 0000
deviceId: 0000
usbmfr: Linux 2.6.19-1.2911.fc6 ohci_hcd
usbprod: OHCI Host Controller
—

class: OTHER
bus: USB
detached: 0
desc: "Linux 2.6.19-1.2911.fc6 ohci_hcd OHCI Host Controller"

Sound stopped working a month ago!

Sound stopped working a month ago!

```
usbclass: 9
usbsubclass: 0
usbprotocol: 0
usbbus: 4
usblevel: 0
usbport: 0
usbdev: 1
vendorId: 0000
deviceId: 0000
usbmfr: Linux 2.6.19-1.2911.fc6 ohci_hcd
usbprod: OHCI Host Controller
-
class: OTHER
bus: USB
detached: 0
desc: "Linux 2.6.19-1.2911.fc6 uhci_hcd UHCI Host Controller"
usbclass: 9
usbsubclass: 0
usbprotocol: 0
usbbus: 1
usblevel: 0
usbport: 0
usbdev: 1
vendorId: 0000
deviceId: 0000
usbmfr: Linux 2.6.19-1.2911.fc6 uhci_hcd
usbprod: UHCI Host Controller
-
class: OTHER
bus: USB
detached: 0
desc: "Linux 2.6.19-1.2911.fc6 uhci_hcd UHCI Host Controller"
usbclass: 9
usbsubclass: 0
usbprotocol: 0
usbbus: 2
usblevel: 0
usbport: 0
usbdev: 1
vendorId: 0000
deviceId: 0000
usbmfr: Linux 2.6.19-1.2911.fc6 uhci_hcd
usbprod: UHCI Host Controller
-
class: OTHER
bus: PSAUX
detached: 0
driver: pcpkr
desc: "PC Speaker"
-
class: OTHER
```

Sound stopped working a month ago!

Sound stopped working a month ago!

bus: ISAPNP
detached: 0
desc: "PNP0200"
deviceId: PNP0200
—

class: OTHER
bus: ISAPNP
detached: 0
desc: "PNP0303"
deviceId: PNP0303
—

class: OTHER
bus: ISAPNP
detached: 0
driver: parport_pc
desc: "PNP0401"
deviceId: PNP0401
—

class: OTHER
bus: ISAPNP
detached: 0
desc: "PNP0501"
deviceId: PNP0501
—

class: OTHER
bus: ISAPNP
detached: 0
desc: "PNP0501"
deviceId: PNP0501
—

class: OTHER
bus: ISAPNP
detached: 0
desc: "PNP0700"
deviceId: PNP0700
—

class: OTHER
bus: ISAPNP
detached: 0
desc: "PNP0800"
deviceId: PNP0800
—

class: OTHER
bus: ISAPNP
detached: 0
desc: "PNP0a03"
deviceId: PNP0a03
—

class: OTHER
bus: ISAPNP
detached: 0

Sound stopped working a month ago!

Sound stopped working a month ago!

desc: "PNP0b00"
deviceId: PNP0b00

—

class: OTHER
bus: ISAPNP
detached: 0
desc: "PNP0c01"
deviceId: PNP0c01

—

class: OTHER
bus: ISAPNP
detached: 0
desc: "PNP0c02"
deviceId: PNP0c02

—

class: OTHER
bus: ISAPNP
detached: 0
desc: "PNP0c02"
deviceId: PNP0c02

—

class: OTHER
bus: ISAPNP
detached: 0
desc: "PNP0c02"
deviceId: PNP0c02

—

class: OTHER
bus: ISAPNP
detached: 0
desc: "PNP0c04"
deviceId: PNP0c04

—

class: OTHER
bus: ISAPNP
detached: 0
desc: "PNP0f13"
deviceId: PNP0f13

—

class: OTHER
bus: ISAPNP
detached: 0
driver: ns558
desc: "PNPb02f"
deviceId: PNPb02f

—

class: NETWORK
bus: PCI
detached: 0
device: eth0
driver: 3c59x

Sound stopped working a month ago!

Sound stopped working a month ago!

desc: "3Com Corporation 3c905B 100BaseTX [Cyclone]"
network.hwaddr: 00:01:02:c4:19:3d
vendorId: 10b7
deviceId: 9055
subVendorId: 10b7
subDeviceId: 9055
pciType: 1
pcidom: 0
pcibus: 2
pcidev: 9
pcifn: 0

—
class: MOUSE
bus: PSAUX
detached: 0
device: input/mice
driver: generic3ps/2
desc: "ImExPS/2 Generic Explorer Mouse"

—
class: AUDIO
bus: PCI
detached: 0
driver: snd-intel8x0
desc: "Intel Corporation 82801BA/BAM AC'97 Audio"
vendorId: 8086
deviceId: 2445
subVendorId: 1043
subDeviceId: 8072
pciType: 1
pcidom: 0
pcibus: 0
pcidev: 1f
pcifn: 5

—
class: CDROM
bus: IDE
detached: 0
device: hdc
desc: "LITEON DVD-ROM LTD163"

—
class: VIDEO
bus: PCI
detached: 0
driver: matroxfb_base
desc: "Matrox Graphics, Inc. MGA G400/G450"
video.xdriver: mga
vendorId: 102b
deviceId: 0525
subVendorId: 102b
subDeviceId: 2159
pciType: 1

Sound stopped working a month ago!

Sound stopped working a month ago!

```
pcidom: 0
pcibus: 1
pcidev: 0
pcifn: 0
-
class: FLOPPY
bus: MISC
detached: 0
device: fd0
desc: "3.5" 1.44MB floppy drive"
-
class: HD
bus: IDE
detached: 0
device: hda
desc: "IBM-DTLA-305040"
physical: 17475/15/63
logical: 65535/16/63
-
class: CAPTURE
bus: PCI
detached: 0
driver: bt878
desc: "Brooktree Corporation Bt878 Audio Capture"
vendorId: 109e
deviceId: 0878
subVendorId: 0070
subDeviceId: 13eb
pciType: 1
pcidom: 0
pcibus: 2
pcidev: c
pcifn: 1
-
class: CAPTURE
bus: PCI
detached: 0
driver: bttv
desc: "Brooktree Corporation Bt878 Video Capture"
vendorId: 109e
deviceId: 036e
subVendorId: 0070
subDeviceId: 13eb
pciType: 1
pcidom: 0
pcibus: 2
pcidev: c
pcifn: 0
-
class: KEYBOARD
bus: PSAUX
```

Sound stopped working a month ago!

Sound stopped working a month ago!

detached: 0
desc: "AT Translated Set 2 keyboard"

—

class: USB
bus: PCI
detached: 0
driver: ehci-hcd
desc: "NEC Corporation USB 2.0"
vendorId: 1033
deviceId: 00e0
subVendorId: 3083
subDeviceId: 00e0
pciType: 1
pcidom: 0
pcibus: 2
pcidev: a
pcifn: 2

—

class: USB
bus: PCI
detached: 0
driver: ohci-hcd
desc: "NEC Corporation USB"
vendorId: 1033
deviceId: 0035
subVendorId: 3083
subDeviceId: 0035
pciType: 1
pcidom: 0
pcibus: 2
pcidev: a
pcifn: 1

—

class: USB
bus: PCI
detached: 0
driver: ohci-hcd
desc: "NEC Corporation USB"
vendorId: 1033
deviceId: 0035
subVendorId: 3083
subDeviceId: 0035
pciType: 1
pcidom: 0
pcibus: 2
pcidev: a
pcifn: 0

—

class: USB
bus: PCI
detached: 0

Sound stopped working a month ago!

Sound stopped working a month ago!

driver: uhci-hcd
desc: "Intel Corporation 82801BA/BAM USB (Hub #2)"
vendorId: 8086
deviceId: 2444
subVendorId: 1043
subDeviceId: 8028
pciType: 1
pcidom: 0
pcibus: 0
pcidev: 1f
pcifn: 4

—
class: USB

bus: PCI

detached: 0

driver: uhci-hcd

desc: "Intel Corporation 82801BA/BAM USB (Hub #1)"

vendorId: 8086

deviceId: 2442

subVendorId: 1043

subDeviceId: 8028

pciType: 1

pcidom: 0

pcibus: 0

pcidev: 1f

pcifn: 2

—
class: IDE

bus: PCI

detached: 0

driver: ata_piix

desc: "Intel Corporation 82801BA IDE U100"

vendorId: 8086

deviceId: 244b

subVendorId: 1043

subDeviceId: 8028

pciType: 1

pcidom: 0

pcibus: 0

pcidev: 1f

pcifn: 1

----- dmesg -----

Linux version 2.6.19-1.2911.fc6 (brewbuilder@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx) (gcc version 4.1.1
20070105 (Red Hat 4.1.1-51)) #1 SMP Sat Feb 10 15:03:33 EST 2007

BIOS-provided physical RAM map:

BIOS-e820: 0000000000000000 - 000000000009fc00 (usable)

BIOS-e820: 000000000009fc00 - 00000000000a0000 (reserved)

BIOS-e820: 00000000000f0000 - 0000000000100000 (reserved)

BIOS-e820: 0000000000100000 - 000000002fffc000 (usable)

BIOS-e820: 000000002fffc000 - 000000002ffff000 (ACPI data)

Sound stopped working a month ago!

Sound stopped working a month ago!

```
BIOS-e820: 000000002ffff000 – 0000000030000000 (ACPI NVS)
BIOS-e820: 00000000fec00000 – 00000000fec01000 (reserved)
BIOS-e820: 00000000fee00000 – 00000000fee01000 (reserved)
BIOS-e820: 00000000ffff0000 – 0000000100000000 (reserved)
0MB HIGHMEM available.
767MB LOWMEM available.
Using x86 segment limits to approximate NX protection
Entering add_active_range(0, 0, 196604) 0 entries of 256 used
Zone PFN ranges:
DMA 0 -> 4096
Normal 4096 -> 196604
HighMem 196604 -> 196604
early_node_map[1] active PFN ranges
0: 0 -> 196604
On node 0 totalpages: 196604
DMA zone: 32 pages used for memmap
DMA zone: 0 pages reserved
DMA zone: 4064 pages, LIFO batch:0
Normal zone: 1503 pages used for memmap
Normal zone: 191005 pages, LIFO batch:31
HighMem zone: 0 pages used for memmap
DMI 2.3 present.
Using APIC driver default
ACPI: RSDP (v000 ASUS ) @ 0x000f75a0
ACPI: RSDT (v001 ASUS <P4B> 0x42302e31 MSFT 0x31313031) @ 0x2fffc000
ACPI: FADT (v001 ASUS <P4B> 0x42302e31 MSFT 0x31313031) @ 0x2fffc100
ACPI: BOOT (v001 ASUS <P4B> 0x42302e31 MSFT 0x31313031) @ 0x2fffc040
ACPI: MADT (v001 ASUS <P4B> 0x42302e31 MSFT 0x31313031) @ 0x2fffc080
ACPI: DSDT (v001 ASUS <P4B> 0x00001000 MSFT 0x0100000b) @ 0x00000000
ACPI: PM-Timer IO Port: 0xe408
ACPI: Local APIC address 0xfe00000
ACPI: LAPIC (acpi_id[0x00] lapic_id[0x00] enabled)
Processor #0 15:0 APIC version 20
ACPI: LAPIC_NMI (acpi_id[0x00] high edge lint[0x1])
ACPI: IOAPIC (id[0x02] address[0xfec00000] gsi_base[0])
IOAPIC[0]: apic_id 2, version 32, address 0xfec00000, GSI 0-23
ACPI: INT_SRC_OVR (bus 0 bus_irq 0 global_irq 2 dfl edge)
ACPI: INT_SRC_OVR (bus 0 bus_irq 9 global_irq 22 low level)
ACPI: IRQ0 used by override.
ACPI: IRQ2 used by override.
Enabling APIC mode: Flat. Using 1 I/O APICs
Using ACPI (MADT) for SMP configuration information
Allocating PCI resources starting at 40000000 (gap: 30000000:cec00000)
Detected 1513.568 MHz processor.
Built 1 zonelists. Total pages: 195069
Kernel command line: ro root=/dev/VolGroup00/LogVol00 rhgb quiet
mapped APIC to ffffd000 (fee00000)
mapped IOAPIC to fffc000 (fec00000)
Enabling fast FPU save and restore... done.
Enabling unmasked SIMD FPU exception support... done.
Initializing CPU#0
```

Sound stopped working a month ago!

Sound stopped working a month ago!

```
CPU 0 irqstacks, hard=c07f6000 soft=c07d6000
PID hash table entries: 4096 (order: 12, 16384 bytes)
Console: colour VGA+ 80x25
Dentry cache hash table entries: 131072 (order: 7, 524288 bytes)
Inode-cache hash table entries: 65536 (order: 6, 262144 bytes)
Memory: 771856k/786416k available (2177k kernel code, 14020k reserved, 1109k data, 240k init, 0k
highmem)
virtual kernel memory layout:
fixmap : 0xffc55000 – 0xfffff000 (3752 kB)
pkmap : 0xff800000 – 0xffc00000 (4096 kB)
vmalloc : 0xf0800000 – 0xff7fe000 ( 239 MB)
lowmem  : 0xc0000000 – 0xefff0000 ( 767 MB)
.init   : 0xc0795000 – 0xc07d1000 ( 240 kB)
.data   : 0xc0620477 – 0xc07358f4 (1109 kB)
.text   : 0xc0400000 – 0xc0620477 (2177 kB)
Checking if this processor honours the WP bit even in supervisor mode... Ok.
Calibrating delay using timer specific routine.. 3029.16 BogoMIPS (lpj=1514583)
Security Framework v1.0.0 initialized
SELinux: Initializing.
SELinux: Starting in permissive mode
selinux_register_security: Registering secondary module capability
Capability LSM initialized as secondary
Mount-cache hash table entries: 512
CPU: After generic identify, caps: 3febfbff 00000000 00000000 00000000 00000000 00000000
CPU: Trace cache: 12K uops, L1 D cache: 8K
CPU: L2 cache: 256K
CPU: Hyper-Threading is disabled
CPU: After all inits, caps: 3feb3ff 00000000 00000000 00000080 00000000 00000000 00000000
Intel machine check architecture supported.
Intel machine check reporting enabled on CPU#0.
CPU0: Intel P4/Xeon Extended MCE MSR(12) available
Checking 'hlt' instruction... OK.
SMP alternatives: switching to UP code
Freeing SMP alternatives: 12k freed
ACPI: Core revision 20060707
CPU0: Intel(R) Pentium(R) 4 CPU 1500MHz stepping 0a
Total of 1 processors activated (3029.16 BogoMIPS).
ENABLING IO-APIC IRQs
...TIMER: vector=0x31 apic1=0 pin1=2 apic2=-1 pin2=-1
Brought up 1 CPUs
sizeof(vma)=84 bytes
sizeof(page)=32 bytes
sizeof(inode)=424 bytes
sizeof(dentry)=144 bytes
sizeof(ext3inode)=600 bytes
sizeof(buffer_head)=56 bytes
sizeof(skbuff)=172 bytes
sizeof(task_struct)=1376 bytes
checking if image is initramfs... it is
Freeing initrd memory: 2267k freed
NET: Registered protocol family 16
```

Sound stopped working a month ago!

Sound stopped working a month ago!

```
ACPI: bus type pci registered
PCI: PCI BIOS revision 2.10 entry at 0xf11f0, last bus=2
PCI: Using configuration type 1
Setting up standard PCI resources
ACPI: Interpreter enabled
ACPI: Using IOAPIC for interrupt routing
ACPI: PCI Interrupt Link [LNKA] (IRQs 3 4 5 6 7 9 10 *11 12 14 15)
ACPI: PCI Interrupt Link [LNKB] (IRQs 3 4 5 6 7 9 *10 11 12 14 15)
ACPI: PCI Interrupt Link [LNKC] (IRQs 3 4 5 6 7 9 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [LNKD] (IRQs 3 4 *5 6 7 9 10 11 12 14 15)
ACPI: PCI Interrupt Link [LNKE] (IRQs 3 4 5 6 7 *9 10 11 12 14 15)
ACPI: PCI Interrupt Link [LNKF] (IRQs 3 4 5 6 7 *9 10 11 12 14 15)
ACPI: PCI Interrupt Link [LNKG] (IRQs 3 4 5 6 7 *9 10 11 12 14 15)
ACPI: PCI Interrupt Link [LNKH] (IRQs 3 4 5 6 7 *9 10 11 12 14 15)
ACPI: PCI Root Bridge [PCI0] (0000:00)
PCI: Probing PCI hardware (bus 00)
ACPI: Assume root bridge [_SB_.PCI0] bus is 0
PCI quirk: region e400-e47f claimed by ICH4 ACPI/GPIO/TCO
PCI quirk: region ec00-ec3f claimed by ICH4 GPIO
Boot video device is 0000:01:00.0
PCI: Transparent bridge - 0000:00:1e.0
ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI1._PRT]
ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI2._PRT]
Linux Plug and Play Support v0.97 (c) Adam Belay
pnp: PnP ACPI: init
pnp: PnP ACPI: found 16 devices
usbcore: registered new interface driver usbfs
usbcore: registered new interface driver hub
usbcore: registered new device driver usb
PCI: Using ACPI for IRQ routing
PCI: If a device doesn't work, try "pci=routeirq". If it helps, post a report
NetLabel: Initializing
NetLabel: domain hash size = 128
NetLabel: protocols = UNLABELED CIPSOv4
NetLabel: unlabeled traffic allowed by default
pnp: 00:02: ioport range 0xe400-0xe47f could not be reserved
pnp: 00:02: ioport range 0xe800-0xe81f has been reserved
pnp: 00:02: ioport range 0xec00-0xec3f has been reserved
pnp: 00:0f: ioport range 0x3f0-0x3f1 has been reserved
PCI: Bridge: 0000:00:01.0
IO window: disabled.
MEM window: f3800000-f47fffff
PREFETCH window: f5f00000-f7ffffff
PCI: Bridge: 0000:00:1e.0
IO window: d000-dfff
MEM window: f1800000-f37fffff
PREFETCH window: f4800000-f5efffff
PCI: Setting latency timer of device 0000:00:01.0 to 64
PCI: Setting latency timer of device 0000:00:1e.0 to 64
NET: Registered protocol family 2
```

Sound stopped working a month ago!

Sound stopped working a month ago!

IP route cache hash table entries: 32768 (order: 5, 131072 bytes)
TCP established hash table entries: 131072 (order: 9, 2621440 bytes)
TCP bind hash table entries: 65536 (order: 8, 1310720 bytes)
TCP: Hash tables configured (established 131072 bind 65536)
TCP reno registered
Simple Boot Flag at 0x3a set to 0x1
apm: BIOS version 1.2 Flags 0x03 (Driver version 1.16ac)
apm: overridden by ACPI.
audit: initializing netlink socket (disabled)
audit(1172337565.846:1): initialized
Total HugeTLB memory allocated, 0
VFS: Disk quotas dquot_6.5.1
Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)
SELinux: Registering netfilter hooks
ksign: Installing public key data
Loading keyring
– Added public key 74C30EE98C9153DB
– User ID: Red Hat, Inc. (Kernel Module GPG key)
io scheduler noop registered
io scheduler anticipatory registered
io scheduler deadline registered
io scheduler cfq registered (default)
isapnp: Scanning for PnP cards...
isapnp: No Plug & Play device found
Real Time Clock Driver v1.12ac
Non-volatile memory driver v1.2
Linux agpgart interface v0.101 (c) Dave Jones
agpgart: Detected an Intel i845 Chipset.
agpgart: AGP aperture is 64M @ 0xf8000000
Serial: 8250/16550 driver \$Revision: 1.90 \$ 4 ports, IRQ sharing enabled
serial8250: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
serial8250: ttyS1 at I/O 0x2f8 (irq = 3) is a 16550A
00:0a: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
00:0b: ttyS1 at I/O 0x2f8 (irq = 3) is a 16550A
RAMDISK driver initialized: 16 RAM disks of 16384K size 4096 blocksize
Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx
ICH2: IDE controller at PCI slot 0000:00:1f.1
ICH2: chipset revision 18
ICH2: not 100% native mode: will probe irqs later
ide0: BM-DMA at 0xb800-0xb807, BIOS settings: hda:DMA, hdb:pio
ide1: BM-DMA at 0xb808-0xb80f, BIOS settings: hdc:DMA, hdd:pio
Probing IDE interface ide0...
hda: IBM-DTLA-305040, ATA DISK drive
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14
Probing IDE interface ide1...
hdc: LITEON DVD-ROM LTD163, ATAPI CD/DVD-ROM drive
ide1 at 0x170-0x177,0x376 on irq 15
hda: max request size: 128KiB
hda: 80418240 sectors (41174 MB) w/380KiB Cache, CHS=65535/16/63, UDMA(100)
hda: cache flushes not supported

Sound stopped working a month ago!

Sound stopped working a month ago!

```
hda: hda1 hda2
ide-floppy driver 0.99.newide
usbcore: registered new interface driver libusual
usbcore: registered new interface driver hiddev
usbcore: registered new interface driver usbhid
drivers/usb/input/hid-core.c: v2.6:USB HID core driver
PNP: PS/2 Controller [PNP0303:PS2K,PNP0f13:PS2M] at 0x60,0x64 irq 1,12
serio: i8042 KBD port at 0x60,0x64 irq 1
serio: i8042 AUX port at 0x60,0x64 irq 12
mice: PS/2 mouse device common for all mice
TCP bic registered
Initializing XFRM netlink socket
NET: Registered protocol family 1
NET: Registered protocol family 17
Using IPI No-Shortcut mode
Time: tsc clocksource has been installed.
ACPI: (supports S0 S1 S4 S5)
Freeing unused kernel memory: 240k freed
Write protecting the kernel read-only data: 400k
input: AT Translated Set 2 keyboard as /class/input/input0
USB Universal Host Controller Interface driver v3.0
ACPI: PCI Interrupt 0000:00:1f.2[D] -> GSI 19 (level, low) -> IRQ 16
PCI: Setting latency timer of device 0000:00:1f.2 to 64
uhci_hcd 0000:00:1f.2: UHCI Host Controller
uhci_hcd 0000:00:1f.2: new USB bus registered, assigned bus number 1
uhci_hcd 0000:00:1f.2: irq 16, io base 0x0000b400
usb usb1: configuration #1 chosen from 1 choice
hub 1-0:1.0: USB hub found
hub 1-0:1.0: 2 ports detected
ACPI: PCI Interrupt 0000:00:1f.4[C] -> GSI 23 (level, low) -> IRQ 17
PCI: Setting latency timer of device 0000:00:1f.4 to 64
uhci_hcd 0000:00:1f.4: UHCI Host Controller
uhci_hcd 0000:00:1f.4: new USB bus registered, assigned bus number 2
uhci_hcd 0000:00:1f.4: irq 17, io base 0x0000b000
usb usb2: configuration #1 chosen from 1 choice
hub 2-0:1.0: USB hub found
hub 2-0:1.0: 2 ports detected
ohci_hcd: 2006 August 04 USB 1.1 'Open' Host Controller (OHCI) Driver (PCI)
ACPI: PCI Interrupt 0000:02:0a.0[A] -> GSI 22 (level, low) -> IRQ 22
ohci_hcd 0000:02:0a.0: OHCI Host Controller
ohci_hcd 0000:02:0a.0: new USB bus registered, assigned bus number 3
ohci_hcd 0000:02:0a.0: irq 22, io mem 0xf2800000
usb usb3: configuration #1 chosen from 1 choice
hub 3-0:1.0: USB hub found
hub 3-0:1.0: 3 ports detected
ACPI: PCI Interrupt 0000:02:0a.1[B] -> GSI 23 (level, low) -> IRQ 17
ohci_hcd 0000:02:0a.1: OHCI Host Controller
ohci_hcd 0000:02:0a.1: new USB bus registered, assigned bus number 4
ohci_hcd 0000:02:0a.1: irq 17, io mem 0xf2000000
usb usb4: configuration #1 chosen from 1 choice
hub 4-0:1.0: USB hub found
```

Sound stopped working a month ago!

Sound stopped working a month ago!

```
hub 4-0:1.0: 2 ports detected
input: ImExPS/2 Generic Explorer Mouse as /class/input/input1
ACPI: PCI Interrupt 0000:02:0a.2[C] -> GSI 20 (level, low) -> IRQ 18
ehci_hcd 0000:02:0a.2: EHCI Host Controller
ehci_hcd 0000:02:0a.2: new USB bus registered, assigned bus number 5
ehci_hcd 0000:02:0a.2: irq 18, io mem 0xf1800000
ehci_hcd 0000:02:0a.2: USB 2.0 started, EHCI 1.00, driver 10 Dec 2004
usb usb5: configuration #1 chosen from 1 choice
hub 5-0:1.0: USB hub found
hub 5-0:1.0: 5 ports detected
SCSI subsystem initialized
libata version 2.00 loaded.
device-mapper: ioctl: 4.10.0-ioctl (2006-09-14) initialised: dm-devel@xxxxxxxxxxx
kjournald starting. Commit interval 5 seconds
EXT3-fs: mounted filesystem with ordered data mode.
SELinux: Disabled at runtime.
SELinux: Unregistering netfilter hooks
audit(1172337573.935:2): selinux=0 auid=4294967295
gameport: NS558 PnP Gameport is pnp00:0e/gameport0, io 0x200, speed 755kHz
ACPI: PCI Interrupt 0000:02:09.0[A] -> GSI 21 (level, low) -> IRQ 19
3c59x: Donald Becker and others. www.scyld.com/network/vortex.html
0000:02:09.0: 3Com PCI 3c905B Cyclone 100baseTx at f091c000.
Linux video capture interface: v2.00
hdc: ATAPI 48X DVD-ROM drive, 512kB Cache, UDMA(33)
Uniform CD-ROM driver Revision: 3.20
parport: PnPBIOS parport detected.
parport0: PC-style at 0x378 (0x778), irq 7 [PCSP,TRISTATE]
btv: driver version 0.9.16 loaded
btv: using 8 buffers with 2080k (520 pages) each for capture
btv: Bt8xx card found (0).
ACPI: PCI Interrupt 0000:02:0c.0[A] -> GSI 20 (level, low) -> IRQ 18
btv0: Bt878 (rev 17) at 0000:02:0c.0, irq: 18, latency: 32, mmio: 0xf5000000
btv0: detected: Hauppauge WinTV [card=10], PCI subsystem ID is 0070:13eb
btv0: using: Hauppauge (bt878) [card=10,autodetected]
btv0: gpio: en=00000000, out=00000000 in=00ffffdb [init]
btv0: Hauppauge/Voodoo msp34xx: reset line init [5]
tveeprom 0-0050: Hauppauge model 37281, rev B423, serial# 5000727
tveeprom 0-0050: tuner model is Philips FM1236 (idx 23, type 2)
tveeprom 0-0050: TV standards NTSC(M) (eeprom 0x08)
tveeprom 0-0050: audio processor is MSP3430 (idx 7)
tveeprom 0-0050: has radio
btv0: Hauppauge eeprom indicates model#37281
btv0: using tuner=2
btv0: i2c: checking for MSP34xx @ 0x80... found
msp3400 0-0040: MSP3430G-A4 found @ 0x80 (bt878 #0 [sw])
msp3400 0-0040: MSP3430G-A4 supports radio, mode is autodetect and autoselect
btv0: i2c: checking for TDA9875 @ 0xb0... not found
btv0: i2c: checking for TDA7432 @ 0x8a... not found
i2c_adapter i2c-0: Client creation failed at 0x42 (-5)
btv0: i2c: checking for TDA9887 @ 0x86... not found
tuner 0-0042: chip found @ 0x84 (bt878 #0 [sw])
```

Sound stopped working a month ago!

Sound stopped working a month ago!

```
tda9887 0-0042: tda988[5/6/7] found @ 0x42 (tuner)
tuner 0-0061: chip found @ 0xc2 (bt878 #0 [sw])
tuner 0-0061: type set to 2 (Philips NTSC (FI1236,FM1236 and compatibles))
tuner 0-0061: type set to 2 (Philips NTSC (FI1236,FM1236 and compatibles))
bttv0: registered device video0
bttv0: registered device vbi0
bttv0: registered device radio0
bttv0: PLL: 28636363 => 35468950 .. ok
ACPI: PCI Interrupt 0000:02:0c.1[A] -> GSI 20 (level, low) -> IRQ 18
bt878: AUDIO driver version 0.0.0 loaded
input: PC Speaker as /class/input/input2
iTCO_wdt: Intel TCO WatchDog Timer Driver v1.00 (08-Oct-2006)
iTCO_wdt: failed to reset NO_REBOOT flag, reboot disabled by hardware
iTCO_wdt: No card detected
intel_rng: FWH not detected
cannot find the slot for index 1 (range 0-1)
Intel ICH: probe of 0000:00:1f.5 failed with error -12
Floppy drive(s): fd0 is 1.44M
FDC 0 is a post-1991 82077
lp0: using parport0 (interrupt-driven).
lp0: console ready
sonypi: Sony Programmable I/O Controller Driver v1.26.
NET: Registered protocol family 10
lo: Disabled Privacy Extensions
Mobile IPv6
ACPI: Power Button (FF) [PWRF]
ACPI: Power Button (CM) [PWRB]
md: Autodetecting RAID arrays.
md: autorun ...
md: ... autorun DONE.
device-mapper: multipath: version 1.0.5 loaded
EXT3 FS on dm-0, internal journal
kjournald starting. Commit interval 5 seconds
EXT3 FS on hda1, internal journal
EXT3-fs: mounted filesystem with ordered data mode.
Adding 1572856k swap on /dev/VolGroup00/LogVol01. Priority:-1 extents:1 across:1572856k
process `sysctl' is using deprecated sysctl (syscall) net.ipv6.neigh.lo.retrans_time; Use
net.ipv6.neigh.lo.retrans_time_ms instead.
eth0: setting full-duplex.
Bluetooth: Core ver 2.11
NET: Registered protocol family 31
Bluetooth: HCI device and connection manager initialized
Bluetooth: HCI socket layer initialized
Bluetooth: L2CAP ver 2.8
Bluetooth: L2CAP socket layer initialized
Bluetooth: RFCOMM socket layer initialized
Bluetooth: RFCOMM TTY layer initialized
Bluetooth: RFCOMM ver 1.8
Bluetooth: HIDP (Human Interface Emulation) ver 1.1
eth0: no IPv6 routers present
hda: drive_cmd: status=0x51 { DriveReady SeekComplete Error }
```

Sound stopped working a month ago!

Sound stopped working a month ago!

```
hda: drive_cmd: error=0x04 { DriveStatusError }
ide: failed opcode was: 0xb0
[drm] Initialized drm 1.0.1 20051102
ACPI: PCI Interrupt 0000:01:00.0[A] -> GSI 16 (level, low) -> IRQ 20
[drm] Initialized mga 3.2.1 20051102 on minor 0
agpgart: Found an AGP 2.0 compliant device at 0000:00:00.0.
agpgart: Putting AGP V2 device at 0000:00:00.0 into 1x mode
agpgart: Putting AGP V2 device at 0000:01:00.0 into 1x mode
[drm] Initialized card for AGP DMA.
cannot find the slot for index 1 (range 0-1)
Intel ICH: probe of 0000:00:1f.5 failed with error -12
cannot find the slot for index 1 (range 0-1)
Intel ICH: probe of 0000:00:1f.5 failed with error -12
```

.