

# Sound Problems with Suse 10

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Hello!

I've been running a Suse 10 system quite satisfactorily for quite a while now. I had installed a Hauppauge PVR-150 MCE card along with the ivtv driver. While I knew that the driver worked, I could never get mplayer to work with it. I resolved that this was the weekend on which I was going to get it going. And I did. Now, video capture and display works famously.

There's only one problem.

Somehow, in mucking around, I seem to have completely hosed all sound capabilities on my machine.

I have no idea what I might have done. However, in attempting to rectify the problem, I've been poking around just about everywhere I can think of.

At one point, the `/dev/dsp` and associated files had disappeared. I did a 'MAKEDEV audio' to restore them. Unfortunately, things still aren't right. Audacity no longer complains that it can't open the `/dev/dsp` but it seems to neither receive nor output anything.

I'm hoping someone might be able to guide me in fixing my problem. One possibility might be to find the one thing I don't know about. The alternative might be to tell me how I can completely reinstall my audio system without having to reinstall the rest of my system.

Your help will be greatly appreciated.

For what it's worth:

```
uname -a
Linux exceed 2.6.13-15.8-default #1 Tue Feb 7 11:07:24 UTC 2006 x86_64
x86_64 x86_64 GNU/Linux
paul@exceed:~> aadebug
ALSA Audio Debug v0.1.0 - Sun Apr 2 20:43:21 EDT 2006
http://alsa.opensrc.org/index.php?page=aadebug
http://www.gnu.org/licenses/gpl.txt
```

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### Kernel -----

Linux exceed 2.6.13-15.8-default #1 Tue Feb 7 11:07:24 UTC 2006 x86\_64  
x86\_64 x86\_64 GNU/Linux

### Loaded Modules -----

snd\_seq\_dummy 4612 0  
snd\_pcm\_oss 70432 0  
snd\_seq 68824 1 snd\_seq\_dummy  
snd\_mixer\_oss 22144 3 snd\_pcm\_oss  
snd\_via82xx 33696 3  
snd\_ac97\_codec 117188 1 snd\_via82xx  
snd\_ac97\_bus 3328 1 snd\_ac97\_codec  
snd\_pcm 117260 3 snd\_pcm\_oss,snd\_via82xx,snd\_ac97\_codec  
snd\_timer 29320 2 snd\_seq,snd\_pcm  
snd\_page\_alloc 13200 2 snd\_via82xx,snd\_pcm  
snd\_mpu401\_uart 9344 1 snd\_via82xx  
snd\_rawmidi 31904 1 snd\_mpu401\_uart  
snd\_seq\_device 11024 3 snd\_seq\_dummy,snd\_seq,snd\_rawmidi  
snd 77600 13  
snd\_seq\_dummy,snd\_pcm\_oss,snd\_seq,snd\_mixer\_oss,snd\_via82xx,snd\_ac97\_codec,snd\_pcm,snd\_timer,snd\_mpu401

### Proc Config -----

CONFIG\_SOUND=m  
CONFIG\_SND=m  
CONFIG\_SND\_TIMER=m  
CONFIG\_SND\_PCM=m  
CONFIG\_SND\_HWDEP=m  
CONFIG\_SND\_RAWMIDI=m  
CONFIG\_SND\_SEQUENCER=m  
CONFIG\_SND\_SEQ\_DUMMY=m  
CONFIG\_SND\_OSSEMUL=y  
CONFIG\_SND\_MIXER\_OSS=m  
CONFIG\_SND\_PCM\_OSS=m  
CONFIG\_SND\_SEQUENCER\_OSS=y  
CONFIG\_SND\_RTCTIMER=m  
CONFIG\_SND\_VERBOSE\_PRINTK=y  
CONFIG\_SND\_DEBUG=y  
CONFIG\_SND\_DEBUG\_MEMORY=y  
# CONFIG\_SND\_DEBUG\_DETECT is not set  
CONFIG\_SND\_MPU401\_UART=m  
CONFIG\_SND\_OPL3\_LIB=m  
CONFIG\_SND\_VX\_LIB=m  
CONFIG\_SND\_DUMMY=m  
CONFIG\_SND\_VIRMIDI=m  
CONFIG\_SND\_MTPAV=m  
CONFIG\_SND\_SERIAL\_U16550=m  
CONFIG\_SND\_MPU401=m  
CONFIG\_SND\_AC97\_CODEC=m  
CONFIG\_SND\_AC97\_BUS=m  
CONFIG\_SND\_ALI5451=m  
CONFIG\_SND\_ATIIXP=m

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```
CONFIG_SND_ATIIXP_MODEM=m
CONFIG_SND_AU8810=m
CONFIG_SND_AU8820=m
CONFIG_SND_AU8830=m
CONFIG_SND_AZT3328=m
CONFIG_SND_BT87X=m
# CONFIG_SND_BT87X_OVERCLOCK is not set
CONFIG_SND_CS46XX=m
CONFIG_SND_CS46XX_NEW_DSP=y
CONFIG_SND_CS4281=m
CONFIG_SND_EMU10K1=m
CONFIG_SND_EMU10K1X=m
CONFIG_SND_CA0106=m
CONFIG_SND_KORG1212=m
CONFIG_SND_MIXART=m
CONFIG_SND_NM256=m
CONFIG_SND_RME32=m
CONFIG_SND_RME96=m
CONFIG_SND_RME9652=m
CONFIG_SND_HDSP=m
CONFIG_SND_HDSPM=m
CONFIG_SND_TRIDENT=m
CONFIG_SND_YMFPCI=m
CONFIG_SND_ALS4000=m
CONFIG_SND_CMIPCI=m
CONFIG_SND_ENS1370=m
CONFIG_SND_ENS1371=m
CONFIG_SND_ES1938=m
CONFIG_SND_ES1968=m
CONFIG_SND_MAESTRO3=m
CONFIG_SND_FM801=m
CONFIG_SND_FM801_TEA575X=m
CONFIG_SND_ICE1712=m
CONFIG_SND_ICE1724=m
CONFIG_SND_INTEL8X0=m
CONFIG_SND_INTEL8X0M=m
CONFIG_SND_SONICVIBES=m
CONFIG_SND_VIA82XX=m
CONFIG_SND_VIA82XX_MODEM=m
CONFIG_SND_VX222=m
CONFIG_SND_HDA_INTEL=m
CONFIG_SND_USB_AUDIO=m
CONFIG_SND_USB_USX2Y=m
CONFIG_SOUND_PRIME=m
CONFIG_SOUND_BT878=m
CONFIG_SOUND_CMPCI=m
CONFIG_SOUND_CMPCI_FM=y
CONFIG_SOUND_CMPCI_MIDI=y
CONFIG_SOUND_CMPCI_JOYSTICK=y
CONFIG_SOUND_EMU10K1=m
# CONFIG_SOUND_FUSION is not set
```

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```
CONFIG_SOUND_CS4281=m
CONFIG_SOUND_ES1370=m
CONFIG_SOUND_ES1371=m
CONFIG_SOUND_ESSSOLO1=m
CONFIG_SOUND_MAESTRO=m
CONFIG_SOUND_MAESTRO3=m
CONFIG_SOUND_ICH=m
CONFIG_SOUND_SONICVIBES=m
CONFIG_SOUND_TRIDENT=m
# CONFIG_SOUND_MSNDCLAS is not set
# CONFIG_SOUND_MSNDPIN is not set
CONFIG_SOUND_VIA82CXXX=m
CONFIG_SOUND_OSS=m
CONFIG_SOUND_TRACEINIT=y
CONFIG_SOUND_DMAP=y
CONFIG_SOUND_AD1816=m
CONFIG_SOUND_AD1889=m
CONFIG_SOUND_SGALAXY=m
CONFIG_SOUND_ADLIB=m
CONFIG_SOUND_ACI_MIXER=m
CONFIG_SOUND_CS4232=m
CONFIG_SOUND_SSCAPE=m
CONFIG_SOUND_GUS=m
# CONFIG_SOUND_GUS16 is not set
CONFIG_SOUND_GUSMAX=y
CONFIG_SOUND_VMIDI=m
CONFIG_SOUND_TRIX=m
CONFIG_SOUND_MSS=m
CONFIG_SOUND_MPU401=m
CONFIG_SOUND_NM256=m
CONFIG_SOUND_MAD16=m
CONFIG_SOUND_PAS=m
CONFIG_SOUND_PSS=m
CONFIG_SOUND_SB=m
CONFIG_SOUND_AWE32_SYNTH=m
CONFIG_SOUND_WAVEFRONT=m
CONFIG_SOUND_MAUI=m
CONFIG_SOUND_YM3812=m
CONFIG_SOUND_OPL3SA1=m
CONFIG_SOUND_OPL3SA2=m
CONFIG_SOUND_YMFPCI=m
CONFIG_SOUND_YMFPCI_LEGACY=y
CONFIG_SOUND_UART6850=m
CONFIG_SOUND_AEDSP16=m
CONFIG_SOUND_TVMIXER=m
CONFIG_SOUND_KAHLUA=m
CONFIG_SOUND_ALI5455=m
CONFIG_SOUND_FORTE=m
CONFIG_SOUND_RME96XX=m
CONFIG_SOUND_AD1980=m
```

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```
Modprobe Conf -----
# remove this if sound is configured

Proc Asound -----
Advanced Linux Sound Architecture Driver Version 1.0.9b (Thu Jul 28
12:20:13 2005 UTC).
0 [V8237 ]: VIA8237 – VIA 8237
VIA 8237 with AD1980 at 0xc800, irq 5
17: [0– 1]: digital audio playback
25: [0– 1]: digital audio capture
16: [0– 0]: digital audio playback
24: [0– 0]: digital audio capture
0: [0– 0]: ctl
1: : sequencer
33: : timer
cat: /proc/asound/hwdep: No such file or directory
00–00: VIA 8237 : VIA 8237 : playback 4 : capture 1
00–01: VIA 8237 : VIA 8237 : playback 1 : capture 1
Client info
cur clients : 2
peak clients : 2
max clients : 192

Client 0 : "System" [Kernel]
Port 0 : "Timer" (Rwe–)
Port 1 : "Announce" (R–e–)
Client 62 : "Midi Through" [Kernel]
Port 0 : "Midi Through Port–0" (RWe–)

Dev Snd -----
audio controlC0 dsp mixer pcmC0D0c pcmC0D0p pcmC0D1c pcmC0D1p
seq timer

CPU -----
model name : AMD Athlon(tm) 64 Processor 3000+
cpu MHz : 2002.647

RAM -----
MemTotal: 1025060 kB
SwapTotal: 2040244 kB

Hardware -----
00:00.0 Host bridge: VIA Technologies, Inc. VT8385 [K8T800 AGP] Host
Bridge (rev 01)
00:0c.0 Multimedia video controller: InterneXt Compression Inc iTVC16
(CX23416) MPEG–2 Encoder (rev 01)
00:11.5 Multimedia audio controller: VIA Technologies, Inc.
VT8233/A/8235/8237 AC97 Audio Controller (rev 60)
00:18.0 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron]
HyperTransport Technology Configuration
00:18.1 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron]
```

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Address Map

00:18.2 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron]

DRAM Controller

00:18.3 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron]

Miscellaneous Control

Thanks for any help you might be able to offer.

All the best!

Paul

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