

# Re: How to unmute the sound?

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Debian/2008-05/msg00836.html>

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- *From:* "Julian Hernandez Gomez" <[julianhernandez@xxxxxxxxxx](mailto:julianhernandez@xxxxxxxxxx)>
  - *Date:* Sat, 10 May 2008 02:14:45 +0800
- 

Hi,

I had the same problem (this time with an ASUS A8F laptop) but I managed to fix it by passing the model option to modprobe. Maybe you should try again with kernel 2.6.25 (it's now in unstable), I saw that there is a new model name for your codec chip (STAC9205):

```
STAC9205/9254
ref Reference board
dell-m42 Dell (unknown)
dell-m43 Dell Precision
dell-m44 Dell Inspiron
```

Just for the record, this is what I did:

Sound always worked fine until one of the last week upgrades to unstable/experimental, so the first thing was to determine the codec chip used in my laptop:

```
$ tail -n 2 /proc/asound/oss/sndstat
Mixers:
0: Analog Devices AD1986A
```

Then I checked the the ALSA-Configuration.txt for the possible model names for the AD1986A codec chip and after a few cycles of:

```
modprobe -r snd-hda-intel
modprobe snd-hda-intel model=...
alsamixer
speaker-test -t wav -D plug:front -c2 -l2
```

I found that the right model name was laptop-eapd, so finally I added the following line to the /etc/modprobe.d/alsa-base:

```
options snd-hda-intel model=laptop-eapd
```

## Re: How to unmute the sound?

On Mon, Feb 18, 2008 at 6:56 AM, Michael Yang <michael.yxf@xxxxxxxxxx> wrote:

I have upgraded the dist to 2.6.24-1-686, the problem still exists.

I tried the ways I can do to install the driver successfully, but still has no sound to output.

- I downloaded the latest alsa driver 1.16 and it's compiled successfully, and the alsa-lib alsa-util can be installed without problems, the volume can be adjusted well, mute or unmute ok.
- use "m-a a-i alsa-source" to compile the driver and install it.

But no sound to output.

It's suffering me a lot. I tried to load the module using " modprobe snd-hda-intel model=dell-m44" or "m42", it can't solve the problem. Whenever opening the audio file, it returns the alsa lib error and errors like "no sound card found":  
[AO\_ALSA] alsa-lib: confmisc.c:768:(parse\_card) cannot find card '0'  
[AO\_ALSA] alsa-lib: conf.c:3513:(\_snd\_config\_evaluate) function snd\_func\_card\_driver returned error: No such file or directory  
[AO\_ALSA] alsa-lib: confmisc.c:392:(snd\_func\_concat) error evaluating strings  
[AO\_ALSA] alsa-lib: conf.c:3513:(\_snd\_config\_evaluate) function snd\_func\_concat returned error: No such file or directory  
[AO\_ALSA] alsa-lib: confmisc.c:1251:(snd\_func\_refer) error evaluating name  
[AO\_ALSA] alsa-lib: conf.c:3513:(\_snd\_config\_evaluate) function snd\_func\_refer returned error: No such file or directory  
[AO\_ALSA] alsa-lib: conf.c:3985:(snd\_config\_expand) Evaluate error: No such file or directory  
[AO\_ALSA] alsa-lib: pcm.c:2144:(snd\_pcm\_open\_noupdate) Unknown PCM default  
[AO\_ALSA] Playback open error: No such file or directory  
Could not open/initialize audio device -> no sound.

Also the output of "aplay -l" returns the following errors:  
aplay: device\_list:205: no soundcards found...

But seems the driver has been loaded and sound card can be detected, it's confused.

Here is some relevant info:

```
michael@debian:~$ lsmod | grep snd
snd_hda_intel 302236 0
snd_pcm_oss 38496 0
snd_mixer_oss 15712 1 snd_pcm_oss
snd_pcm 69924 2 snd_hda_intel,snd_pcm_oss
snd_timer 21732 1 snd_pcm
snd_page_alloc 10056 2 snd_hda_intel,snd_pcm
snd_hwdep 8868 1 snd_hda_intel
snd 50196 6 snd_hda_intel,snd_pcm_oss,snd_mixer_oss,snd_pcm,snd_timer,snd_hwdep
soundcore 7552 1 snd
```

```
michael@debian:~$ lspci | grep Audio
00:1b.0 Audio device: Intel Corporation 82801H (ICH8 Family) HD Audio Controller (rev
```

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02)

michael@debian:~\$ head -1 /proc/asound/card0/codec#0  
Codec: SigmaTel STAC9205

michael@debian:~\$ cat /proc/asound/cards  
0 [Intel ]: HDA-Intel - HDA Intel  
HDA Intel at 0xfebfc000 irq 20

michael@debian:~\$ uname -r  
2.6.24-1-686

michael@debian:~\$ dpkg -l \*alsa\*  
Desired=Unknown/Install/Remove/Purge/Hold  
| Status=Not/Installed/Config-files/Unpacked/Failed-config/Half-installed  
|/ Err?=(none)/Hold/Reinst-required/X=both-problems (Status,Err: uppercase=bad)  
||/ Name Version Description

```
++++=====
un alsa <none> (no description available)
ii alsa-base 1.0.15-4 ALSA driver configuration files
pn alsa-firmware-loaders <none> (no description available)
pn alsa-modules-2.6.22-2- <none> (no description available)
pn alsa-modules-2.6.22-3- <none> (no description available)
ii alsa-oss 1.0.15-1 ALSA wrapper for OSS applications
pn alsa-source <none> (no description available)
ii alsa-utils 1.0.15-3 ALSA utilities
pn alsamixer-gui <none> (no description available)
ii gstreamer0.10-alsa 0.10.17-2 GStreamer plugin for ALSA
un libarts-alsa <none> (no description available)
un libesd-alsa0 <none> (no description available)
ii libSDL1.2debian-alsa 1.2.13-2 Simple DirectMedia Layer (with X11 and ALSA options)
pn libwine-alsa <none> (no description available)
pn xfce4-mixer-alsa <none> (no description available)
pn xmms2-plugin-alsa <none> (no description available)
```

Could anybody instruct what could I do to fix the problem?

Thanks a lot!

On Feb 16, 2008 10:46 AM, Andrew Sackville-West <andrew@xxxxxxxxxxxxxxxxxxxxxxxx> wrote:

Hey Michael, I'm not qualified to help solve this problem and can only help you ask the right questions (which is why I didn't respond to your response to my questions...).

here's a link of interest:

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<https://bugs.launchpad.net/ubuntu/+bug/122560>

there is some interesting discussion of potential problems that might steer you in the right direction.

On Fri, Feb 15, 2008 at 08:00:48PM -0500, Michael Yang wrote:

Here is the error message when I open the audio file:

```
[AO_ALSA] alsa-lib: confmisc.c:768:(parse_card) cannot  
find card '0'  
[AO_ALSA] alsa-lib: conf.c:3510:(_snd_config_evaluate)  
function  
snd_func_card_driver returned error: No such device
```

...

these (and subsequent errors) say that the hardware has not been detected properly.

I have tried uninstall alsa driver and re-compile and reinstalled it for several times, the problem still exists.

stop installing non-debian stuff or you'll likely not get help. Totally remove all the non-debian stuff, reinstall the kernel and see what happens.

BTW, what kernel are you running?

what alsa packages are installed?

```
dpkg -l \*alsa\*
```

Finally, you claim that it suddenly stopped working for no reason. Well, there must be some reason. Did you upgrade anything? Install or remove any packages?

I'll leave the stuff below for reference.

A

...

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the output of "lsmod | grep  
snd":

```
snd_hda_intel 310460 0  
snd_pcm_oss 38720 0  
snd_mixer_oss 15840 1  
snd_pcm_oss  
snd_pcm 70116 2  
snd_hda_intel,snd_pcm_oss
```

```
snd_timer 21732 1 snd_pcm  
snd_page_alloc 10056 2  
snd_hda_intel,snd_pcm  
snd_hwdep 8868 1  
snd_hda_intel  
snd 50100 6  
snd_hda_intel,snd_pcm_oss,snd_mixer_oss,snd_pcm,snd_timer,snd_hwdep
```

```
soundcore 7520 1 snd
```

relevant portion of lspci:

```
00:00.0 Host bridge: Intel  
Corporation Mobile  
PM965/GM965/GL960  
Memory Controller Hub  
(rev 0c)  
00:01.0 PCI bridge: Intel  
Corporation Mobile  
PM965/GM965/GL960 PCI  
Express Root Port (rev 0c)
```

```
00:1a.0 USB Controller:  
Intel Corporation 82801H  
(ICH8 Family) USB UHCI  
Contoller #4 (rev 02)  
00:1a.1 USB Controller:  
Intel Corporation 82801H  
(ICH8 Family) USB UHCI  
Controller #5 (rev 02)  
00:1a.7 USB Controller:  
Intel Corporation 82801H  
(ICH8 Family) USB2 EHCI  
Controller #2 (rev 02)
```

```
00:1b.0 Audio device: Intel  
Corporation 82801H (ICH8
```

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Family) HD Audio  
Controller (rev 02)  
00:1c.0 PCI bridge: Intel  
Corporation 82801H (ICH8  
Family) PCI Express Port 1  
(rev 02)  
00:1c.1 PCI bridge: Intel  
Corporation 82801H (ICH8  
Family) PCI Express Port 2  
(rev 02)

00:1c.5 PCI bridge: Intel  
Corporation 82801H (ICH8  
Family) PCI Express Port 6  
(rev 02)

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=H89e

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