Forum: CentOS 6 - Hardware Support
Topic: [RESOLVED] Sound not working on CentOS 6.2
Subject: Sound not working on CentOS 6.2
Posted by: ww1er
Posted on: 2012/3/20 4:46:02

To reply to Phil,
The speakers are plug into the motherboard.
The video card only has two ports; VGA and HDMI, so no separate speaker connections there.
Only using VGA port on video card.
Neither sound chip can be removed.
Maybe the HP BIOS will allow me to deactivate the motherboard sound chip, but that is the one I want to use.
How to disable the sound chip on the video card is beyond me at this time.
I had hoped there was a standard way to set what is the default sound card in LINUX, and that by setting that, LINUX would ignore the sound chip in the video card.

Here is a listing showing what kernel driver each sound chip and the video is using.

```
[root@LINUX1 ~]# lspci -k
....
00:1e.2 Multimedia audio controller: Intel Corporation 82801FB/FBM/FR/FW/FRW (ICH6 Family)
AC'97 Audio Controller (rev 03)
 Subsystem: Hewlett-Packard Company Device 3008
 Kernel driver in use: snd_intel8x0
 Kernel modules: snd-intel8x0
01:00.0 VGA compatible controller: nVidia Corporation GT216 [GeForce GT 220] (rev a2)
 Subsystem: Device 196e:0699
 Kernel driver in use: nouveau
 Kernel modules: nouveau, nvidiafb
01:00.1 Audio device: nVidia Corporation High Definition Audio Controller (rev a1)
 Subsystem: Device 196e:0699
 Kernel driver in use: snd_hda_intel
 Kernel modules: snd-hda-intel
....
```

It is interesting that I installed of this "alsa" stuff (see first posting) and there are no "alsa" modules loaded (see first posting).

```
[root@LINUX1 ~]# grep -i hda /etc/depmod.d/kmod-alsa.conf | grep -i intel
override snd-hda-codec-intelhdmi * weak-updates/alsa
override snd-hda-intel * weak-updates/alsa

[root@LINUX1 ~]# grep -i ac97 /etc/depmod.d/kmod-alsa.conf
override ac97_bus * weak-updates/alsa
```

override snd-ac97-codec * weak-updates/alsa

If I understand correctly, it looks like /etc/depmod.d/kmod-alsa.conf is trying to redirect ac97 and snd-hba-intel to alsa, but I cannot find alsa loaded.

[root@LINUX1 ~]# lsmod | grep alsa
((nothing returned))

[root@LINUX1 ~]# rpm -ql kmod-alsa | grep -i init
((nothing returned))

So I cannot see a way to start a "alsa" service or a "alsa" module.
How do I do this?

/usr/share/doc/kmod-alsa-1.0.25/FAQ all start off with "The driver is loaded, but..." and there is nothing about "how to test if driver is loaded" or "how to load the driver".

```
[root@LINUX1 ~]# ls -ld /proc/asound/*
dr-xr-xr-x. 6 root root 0 Mar 19 19:18 /proc/asound/card0
dr-xr-xr-x. 9 root root 0 Mar 19 19:18 /proc/asound/card1
-r--r--r--. 1 root root 0 Mar 19 19:18 /proc/asound/cards
-r--r--r--. 1 root root 0 Mar 19 19:18 /proc/asound/devices
-r--r--r--. 1 root root 0 Mar 19 19:18 /proc/asound/hwdep
lrwxrwxrwx. 1 root root 5 Mar 19 19:18 /proc/asound/ICH6 -> card1
-r--r--r--. 1 root root 0 Mar 19 19:18 /proc/asound/modules
lrwxrwxrwx. 1 root root 5 Mar 19 19:18 /proc/asound/NVidia -> card0
dr-xr-xr-x. 2 root root 0 Mar 19 19:18 /proc/asound/oss
-r--r--r--. 1 root root 0 Mar 19 19:18 /proc/asound/pcm
dr-xr-xr-x. 2 root root 0 Mar 19 19:18 /proc/asound/seq
-r--r--r--. 1 root root 0 Mar 19 19:18 /proc/asound/timers
-r--r--r--. 1 root root 0 Mar 19 19:18 /proc/asound/version

[root@LINUX1 ~]# cat /proc/asound/card1/id
ICH6
```

If sound cards are like NICs, where eth0 rules over other ethX cards, how do I cfg LINUX to set card0 to link to ICH6 and make card1 equal NVidia?

Maybe I am going wrong directions, maybe default sound card setting has no bearing on my problem, and problem is that "alsa" is not running on system even though it installed there is no mention of a need to run a post-install script.

I need help, please.