

Re: unexpected webcam side effect

Source: <http://linux.derkeiler.com/Mailing-Lists/Fedora/2007-07/msg01154.html>

- *From:* Nigel Henry <cave.dnb@xxxxxxxxxxx>
 - *Date:* Sat, 7 Jul 2007 12:59:12 +0200
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On Saturday 07 July 2007 02:28, Tom Horsley wrote:

On Fri, 6 Jul 2007 22:34:56 +0200

Nigel Henry <cave.dnb@xxxxxxxxxxx> wrote:

On Friday 06 July 2007 14:16, Tom Horsley wrote:

Here's some behavior I've never seen before:

https://bugzilla.redhat.com/bugzilla/show_bug.cgi?id=247224

I don't know about your problem specifically, but would you post the output from.
cat /proc/asound/cards

First do this booting up with the webcam unplugged, then shutdown, plugin the webcam, reboot, and run cat /proc/asound/cards again.

It will be interesting to see if, when the webcam is plugged in, it is being detected as card0. (that is, the usb mike part of it), and your sound card is being set as card1.

I added the above info to the bugzilla, but there is no card1, the nvidia sound just completely disappears.

Can you also post the output of /sbin/lusb with the webcam plugged in, and also the output from /sbin/lsmo.

I think all the other info is already buried in some of the log files I added to the bugzilla.

However, the most interesting fact so far is that if I rename the snd-usb-audio.ko kernel module so it can't be loaded, I can boot with the webcam plugged in, and everything (except, of course, the USB

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microphone) works fine.

From what you say about renaming `snd-usb-audio.ko`, I think you may have run

into an old problem, that used to be present on earlier versions of FC, but appeared to be fixed on FC4, 5, and 6. I've only just installed F7, but the problem has returned.

Basically the USB comes up early in the boot sequence, and anything that uses `snd-usb-audio` would be set as `card0`, and the sound card as `card1`. This was my experience with my usb midi keyboard. Alsa was trying to use it as a soundcard.

Looking now at how this problem has returned on F7. `Cat /proc/asound/cards` showed my usb midi keyboard as `card0`, and `bt878` as `card1`, and my soundcard completely missing. `bt878` is a module for the TV card, and is always problematic. Some distros create an `index=2` for it, as it has a habit of grabbing `card0`. In my case it can't as the usb has already grabbed `card0`.

Ok. now for the fix, at least in my case. You need to add a couple of lines in `/etc/modprobe.conf`, as below.

```
alias snd-card-1 snd-usb-audio
options snd-usb-audio index=1
```

I also run as root. `depmod -a` after making changes to `/etc/modprobe.conf`.

That fixes the problem for me, and my `modprobe.conf` now looks like this, having added another options line for the annoying `bt878`.

```
alias eth0 8139too
alias scsi_hostadapter pata_via
alias snd-card-0 snd-emu10k1
options snd-card-0 index=0
options snd-emu10k1 index=0
```

```
alias snd-card-1 snd-usb-audio
options snd-usb-audio index=1
```

```
options snd-bt87x index=2
```

It's worth a try Tom. Just rename `snd-usb-audio.ko` back to it's original name, add the 2 lines to `/etc/modprobe.conf`, plug in the webcam, and reboot.

All the best.

Nigel.

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