

[PATCH] ALSA: fm801: add error handling for snd\_ctl\_add

5 messages

**Zhouyang Jia** <jiazhouyang09@gmail.com>  
Cc: Zhouyang Jia <jiazhouyang09@gmail.com>, Jaroslav Kysela <perex@perex.cz>, Takashi Iwai <tiwai@suse.com>, Andy Shevchenko <andriy.shevchenko@linux.intel.com>, Bhumika Goyal <bhumirks@gmail.com>, alsa-devel@alsa-project.org, linux-kernel@vger.kernel.org

Mon, Jun 11, 2018 at 4:04 AM

When snd\_ctl\_add fails, the lack of error-handling code may cause unexpected results.

This patch adds error-handling code after calling snd\_ctl\_add.

Signed-off-by: Zhouyang Jia <jiazhouyang09@gmail.com>

```
---
sound/pci/fm801.c | 16 ++++++++-----
1 file changed, 12 insertions(+), 4 deletions(-)

diff --git a/sound/pci/fm801.c b/sound/pci/fm801.c
index 73a67bc..e3fb9c6 100644
--- a/sound/pci/fm801.c
+++ b/sound/pci/fm801.c
@@ -1068,11 +1068,19 @@ static int snd_fm801_mixer(struct fm801 *chip)
     if ((err = snd_ac97_mixer(chip->ac97_bus, &ac97, &chip->ac97_sec)) < 0)
         return err;
 }
- for (i = 0; i < FM801_CONTROLS; i++)
-     snd_ctl_add(chip->card, snd_ctl_new1(&snd_fm801_controls[i], chip));
+ for (i = 0; i < FM801_CONTROLS; i++) {
+     err = snd_ctl_add(chip->card,
+         snd_ctl_new1(&snd_fm801_controls[i], chip));
+     if (err < 0)
+         return err;
+ }
+ if (chip->multichannel) {
+     for (i = 0; i < FM801_CONTROLS_MULTI; i++)
+         snd_ctl_add(chip->card, snd_ctl_new1(&snd_fm801_controls_multi[i], chip));
+     for (i = 0; i < FM801_CONTROLS_MULTI; i++) {
+         err = snd_ctl_add(chip->card,
+             snd_ctl_new1(&snd_fm801_controls_multi[i], chip));
+         if (err < 0)
+             return err;
+     }
+ }
+ return 0;
}
```

2.7.4

**Andy Shevchenko** <andriy.shevchenko@linux.intel.com>  
To: jiazhouyang09@gmail.com, Émeric MASCHINO <emeric.maschino@gmail.com>  
Cc: Jaroslav Kysela <perex@perex.cz>, Takashi Iwai <tiwai@suse.com>, Bhumika Goyal <bhumirks@gmail.com>, alsa-devel@alsa-project.org, linux-kernel@vger.kernel.org

Mon, Jun 11, 2018 at 4:49 AM

On Mon, 2018-06-11 at 16:04 +0800, jiazhouyang09@gmail.com wrote:  
> When snd\_ctl\_add fails, the lack of error-handling code may  
> cause unexpected results.  
>  
> This patch adds error-handling code after calling snd\_ctl\_add.  
>

Acked-by: Andy Shevchenko <andriy.shevchenko@linux.intel.com>

Though I can't test this (I have FM-only card). Last person who would  
able to test was Émeric (Cc'ed).

[Quoted text hidden]  
Andy Shevchenko <andriy.shevchenko@linux.intel.com>  
Intel Finland Oy

**Takashi Iwai** <tiwai@suse.de>  
To: Andy Shevchenko <andriy.shevchenko@linux.intel.com>  
Cc: "Émeric MASCHINO" <emeric.maschino@gmail.com>, jiazhouyang09@gmail.com, alsa-devel@alsa-project.org, BhumikaGoyal <bhumirks@gmail.com>, Jaroslav Kysela <perex@perex.cz>, linux-kernel@vger.kernel.org

Mon, Jun 11, 2018 at 9:24 AM

On Mon, 11 Jun 2018 10:49:56 +0200,  
Andy Shevchenko wrote:  
>  
> On Mon, 2018-06-11 at 16:04 +0800, jiazhouyang09@gmail.com wrote:  
> > When snd\_ctl\_add fails, the lack of error-handling code may  
> > cause unexpected results.  
> >  
> > This patch adds error-handling code after calling snd\_ctl\_add.  
> >  
> > Acked-by: Andy Shevchenko <andriy.shevchenko@linux.intel.com>  
> >  
> > Though I can't test this (I have FM-only card). Last person who would  
> > able to test was Émeric (Cc'ed).

I applied now as this change is pretty safe.

thanks,

Takashi  
[Quoted text hidden]

**Émeric MASCHINO** <emeric.maschino@gmail.com>  
To: Takashi Iwai <tiwai@suse.de>  
Cc: Andy Shevchenko <andriy.shevchenko@linux.intel.com>, jiazhouyang09@gmail.com, alsa-devel@alsa-project.org, BhumikaGoyal <bhumirks@gmail.com>, Jaroslav Kysela <perex@perex.cz>, linux-kernel@vger.kernel.org

Wed, Jun 20, 2018 at 3:39 PM

Patch tested on my ia64 workstation. Works flawlessly.

Thanks,

Émeric  
[Quoted text hidden]

**Andy Shevchenko** <andry.shevchenko@gmail.com>  
To: Émeric MASCHINO <emeric.maschino@gmail.com>  
Cc: Takashi Iwai <tiwai@suse.de>, Andy Shevchenko <andriy.shevchenko@linux.intel.com>, Zhouyang Jia <jiazhouyang09@gmail.com>, ALSA Development Mailing List <alsa-devel@alsa-project.org>, BhumikaGoyal <bhumirks@gmail.com>, Jaroslav Kysela <perex@perex.cz>, Linux Kernel Mailing List <linux-kernel@vger.kernel.org>

Wed, Jun 20, 2018 at 8:34 PM

On Wed, Jun 20, 2018 at 10:39 PM, Émeric MASCHINO  
<emeric.maschino@gmail.com> wrote:  
> Patch tested on my ia64 workstation. Works flawlessly.  
>

Thanks, Émeric!

—  
With Best Regards,  
Andy Shevchenko