

[x86_64] linux 2.6.15-rc6 mplayer fails to record ALSA audio.

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-12/msg05972.html>

- *From:* Junichi Uekawa <dancer@xxxxxxxxxxxxxxx>
 - *Date:* Tue, 20 Dec 2005 08:10:05 +0900
-

Hi,

With today's git tree I'm still experiencing the same problem that audio isn't captured with mencoder.

Linux dancer64 2.6.15-rc6dancer-gdf7adbb #1 Mon Dec 19 23:18:41 JST 2005 x86_64 GNU/Linux

successful recording is done with 2.6.14-rc5, failure case is done with 2.6.15-rc6, I'm suspecting that v4l is giving some wrong ideas about audio information to mencoder.

```
MEncoder dev-CVS--4.0.2 (C) 2000-2005 MPlayer TeamCPU: Advanced Micro Devices Athlon 64 Newcastle  
Detected cache-line size is 64 bytes  
CPUflags: Type: 15 MMX: 1 MMX2: 1 3DNow: 1 3DNow2: 1 SSE: 1 SSE2: 1  
Compiled for x86 CPU with extensions: MMX MMX2 3DNow 3DNowEx SSE SSE2
```

```
success: format: 9 data: 0x0 - 0x0  
Selected driver: v4l2  
name: Video 4 Linux 2 input  
author: Martin Olschewski <olschewski@xxxxxxxxxxxxxxxxxxxxxxx>  
comment: first try, more to come ;-)  
Selected device: BT878 video (IODATA GV-BCTV5/PC  
Tuner cap:  
Tuner rx: MONO  
Capabilities: video capture video overlay VBI capture device tuner read/write streaming  
supported norms: 0 = PAL; 1 = NTSC; 2 = SECAM; 3 = PAL-Nc; 4 = PAL-M; 5 = PAL-N; 6 = NTSC-JP; 7  
inputs: 0 = Television; 1 = Compositel; 2 = S-Video;  
Current input: 0  
Current format: YUYV  
v4l2: current audio mode is : STEREO  
Selected channel: 12 (freq: 217.250)  
[V] filefmt:9 fourcc:0x30323449 size:320x240 fps:29.97 ftime:=0.0334  
=====
```

```
Opening audio decoder: [pcm] Uncompressed PCM audio decoder  
AUDIO: 48000 Hz, 2 ch, s16le, 1536.0 kbit/100.00% (ratio: 192000->192000)  
Selected audio codec: [pcm] afm: pcm (Uncompressed PCM)  
=====
```

```
Opening video filter: [expand osd=1]  
Expand: -1 x -1, -1 ; -1, osd: 1, aspect: 0.000000, round: 1  
=====
```

```
Opening video decoder: [raw] RAW Uncompressed Video
```

[x86_64] linux 2.6.15-rc6 mplayer fails to record ALSA audio.

```
VDec: vo config request - 320 x 240 (preferred colorspace: Planar I420)
VDec: using Planar I420 as output csp (no 0)
Movie-Aspect is undefined - no prescaling applied.
videocodec: libavcodec (320x240 fourcc=34504d46 [FMP4])
High quality encoding selected (non real time)!
Selected video codec: [rawi420] vfm: raw (RAW I420)
=====
Building audio filter chain for 48000Hz/2ch/s16le -> 0Hz/0ch/??...
MP3 audio selected
Building audio filter chain for 48000Hz/2ch/s16le -> 48000Hz/2ch/s16le...
Writing AVI header...
ODML: Aspect information not (yet?) available or unspecified, not writing vprp header.
Forcing audio preload to 0, max pts correction to 0
New_Face failed. Maybe the font path is wrong.
Please supply the text font file (~/.mplayer/subfont.ttf).
subtitle font: load_sub_face failed.
ODML: Aspect information not (yet?) available or unspecified, not writing vprp header.

MEncoder dev-CVS--4.0.2 (C) 2000-2005 MPlayer Team
CPU: Advanced Micro Devices Athlon 64 Newcastle,Winchester,San Diego,Venice; Sempron Palermo (Fam
Detected cache-line size is 64 bytes
CPUflags: Type: 15 MMX: 1 MMX2: 1 3DNow: 1 3DNow2: 1 SSE: 1 SSE2: 1
Compiled for x86 CPU with extensions: MMX MMX2 3DNow 3DNowEx SSE SSE2

success: format: 9 data: 0x0 - 0x0
Selected driver: v4l2
name: Video 4 Linux 2 input
author: Martin Olschewski <olschewski@xxxxxxxxxxxxxxxxxxxx>
comment: first try, more to come ;-)
Selected device: BT878 video (IODATA GV-BCTV5/PC
Tuner cap:
Tuner rx: MONO
Capabilities: video capture video overlay VBI capture device tuner read/write streaming
supported norms: 0 = PAL; 1 = NTSC; 2 = SECAM; 3 = PAL-Nc; 4 = PAL-M; 5 = PAL-N; 6 = NTSC-JP; 7
inputs: 0 = Television; 1 = Compositel; 2 = S-Video;
Current input: 0
Current format: YUV420
v4l2: current audio mode is : STEREO
Selected channel: 12 (freq: 217.250)
[V] filefmt:9 fourcc:0x30323449 size:320x240 fps:29.97 ftime:=0.0334
Opening video filter: [expand osd=1]
Expand: -1 x -1, -1 ; -1, osd: 1, aspect: 0.000000, round: 1
=====
Opening video decoder: [raw] RAW Uncompressed Video
VDec: vo config request - 320 x 240 (preferred colorspace: Planar I420)
VDec: using Planar I420 as output csp (no 0)
Movie-Aspect is undefined - no prescaling applied.
videocodec: libavcodec (320x240 fourcc=34504d46 [FMP4])
High quality encoding selected (non real time)!
Selected video codec: [rawi420] vfm: raw (RAW I420)
=====
Writing AVI header...
ODML: Aspect information not (yet?) available or unspecified, not writing vprp header.
Forcing audio preload to 0, max pts correction to 0
New_Face failed. Maybe the font path is wrong.
Please supply the text font file (~/.mplayer/subfont.ttf).
subtitle font: load_sub_face failed.
ODML: Aspect information not (yet?) available or unspecified, not writing vprp header.

> The last version known to work: 2.6.14-rc5 (probably 2.6.15 works also)
```

[x86_64] linux 2.6.15-rc6 mplayer fails to record ALSA audio.

[x86_64] linux 2.6.15-rc6 mplayer fails to record ALSA audio.

```
>
> With 2.6.15-rc3 or so, with the following fix, bttv started functioning.
> > commit ed5297a94090d9a9f27b0celf9601ebe73561cff
> > tree 00d28144ae949b3f9d566279cb12be0c802f86e6
> > parent aala64ee12ae130706f3fc0007841ce9b0ddf9c2
> > author Hugh Dickins <hugh@xxxxxxxxxxxx>
> > committer Linus Torvalds <torvalds@xxxxxxxxxxxx>
> > [PATCH] unpagged: get_user_pages VM_RESERVED
>
> However, mplayer doesn't want to read from ALSA input, and no sound is recorded.
>
> I'm trying to record video from /dev/video0, and audio from ALSA,0,0
> (which is ATIIXP card). Audio is physically routed from the video
> capture board to ATIIXP card.
>
> I'm attaching the encoding script I use, and strace output
> for 2.6.14-rc5 and 2.6.15-rc5.
>
> I'm using Debian sid, and this regression is killing me...
>
> If you know of good fix, or know of a reason of this breakage, I'm all
> ears.
>
> regards,
>     junichi
> --
> dancer@{debian.org,netfort.gr.jp}   Debian Project
>
>
> [2 encodetv.sh-strace <application/octet-stream (7bit)>]
> #!/bin/bash
> #interactive script to encode TV.
>
> if [[ $# != 3 ]]; then
>     echo "encodetv [channel] [minutes] [output filename]"
>     exit 0;
> fi
> echo "channel: $1"
> CHANNEL=$1
> echo "minutes: $2"
> MINUTES=$2
> echo "output filename: $3"
> OUTFILE=$3
>
> strace -f \
> mencoder tv://${CHANNEL} \
>     -tv \
>         driver=v4l2:\
> device=/dev/video0:\
> width=320:\
> height=240:\
> normid=6:\
> alsas:\
> amode=1:\
> adevice=ixp:\
> chanlist=japan-bcast:\
> forcechan=2:\
> -o "${OUTFILE}.avi" \
> -ovc lavc -lavcopts vcodec=mpeg4:vhq -oac mp3lame -lameopts br=128:cbr:mode=0 -endpos $(( 60 *
>
```

[x86_64] linux 2.6.15-rc6 mplayer fails to record ALSA audio.

regards,
 junichi
--
dancer@{debian.org,netfort.gr.jp} Debian Project