

# Sound device reported but no devices created

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*Source:* <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2006-07/msg00571.html>

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I've been trying to get sound working on a Compaq Armada 1580 with a recent 6-STABLE. With devices 'sound' and 'snd\_sbc' built into the kernel and no hints, I get:

```
ESS0004: adding io range 0x250-0x257, size=0x8, align=0
pnpbios: handle 16 device ID ESS0004 (04007316)
ESS1878: adding io range 0x220-0x22f, size=0x10, align=0
ESS1878: adding io range 0x388-0x38b, size=0x4, align=0
ESS1878: adding io range 0x330-0x331, size=0x2, align=0
ESS1878: adding irq mask 0x20
ESS1878: adding dma mask 0x2
ESS1878: adding dma mask 0x20
pnpbios: handle 17 device ID ESS1878 (78187316)
...
unknown: <ESS0004> failed to probe at port 0x250-0x257 on isa0
sbc0: <ESS ES1878> at port 0x220-0x22f,0x388-0x38b,0x330-0x331 irq 5 drq 1,5 on isa0
sbc0: [GIANT-LOCKED]
unknown: <PNP0e03> failed to probe at port 0x3e0-0x3e1 on isa0
Device configuration finished.
```

Note that there's no pcm reported and the only sound-related device is /dev/sndstat. I get the same behaviour if I don't build sound into the kernel and kldload snd\_sbc.ko (which autoloads sound.ko).

```
laptop1# sysctl hw.snd.verbose=2
hw.snd.verbose: 1 -> 2
laptop1# sysctl hw.snd
hw.snd.targetirqrate: 32
hw.snd.report_soft_formats: 1
hw.snd.verbose: 2
hw.snd.unit: 0
hw.snd.maxautovchans: 0
laptop1# cat /dev/sndstat
FreeBSD Audio Driver (newpcm)
Installed devices:
laptop1#
```

I have successfully used sound on a similar laptop with 4.9, where the probes looked like:

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sbc0: <ESS ES1878> at port 0x220-0x22f,0x388-0x38b,0x330-0x331 irq 5 drq 1,5 on isa0  
pcm0: <ESS 18xx DSP> on sbc0

I suspect the problem is that sbc0 is not triggering attachment of pcm0 but I'm uncertain why. Does anyone have any suggestions?

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Peter Jeremy

***Attachment: pgpW6nivOymeW.pgp***

*Description:* PGP signature