



## ALSA troubleshooting grid



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## Contents

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1. ALSA troubleshooting grid .....	3
2. ALSA overview .....	3
3. Category:ALSA .....	3
4. Category:Troubleshooting grids .....	5
5. Soundcard configuration .....	6



Some typical issues related to the ALSA framework are listed below. Solutions or debugging methods are proposed for these issues.

If your issue is not listed, try also looking in the articles in the [ALSA](#) or [troubleshooting grids](#) categories.

Symptom	Resolution
The sound card does not probe.	<p>If one or more audio interfaces are missing, the sound card cannot probe:</p> <ul style="list-style-type: none"> <li>- Look for missing audio interfaces in <code>/sys/kernel/debug/asoc/dais</code>.</li> <li>- Check kernel config, modules and error trace for missing interfaces.</li> </ul>
<pre> aplay: pcm_write:2030: write error: Input/output error </pre>	<p>This error occurs on an audio playback, when audio samples are not output. A possible cause is a wrong configuration of the audio interface:</p> <ul style="list-style-type: none"> <li>- DAI gpios not activated: missing in DT or in bad state</li> <li>- DAI/codec not clocked: kernel /master clock not enabled</li> </ul> <p>Refer to <a href="#">Soundcard configuration</a></p>
<pre> Error -16 setting sai_ck parent clock. Active stream rates conflict </pre>	<p>The two SAI sub blocks which are connected to the audio codec, share their master clock on Disco and Evaluation boards. When running both capture and playback on the codec, the chosen sampling rates must be multiple of each other, because of this dependency. If sampling rates are not compatible, an error is issued.</p>

Digital Audio Interface

Device Tree

Serial Audio Interface (Mechanism used to transfer non-buffered audio data between processors and/or audio converters.)

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[Return to ALSA overview](#)

Stable: 17.06.2020 - 15:26 / Revision: 16.01.2020 - 08:09

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Return to Category:ALSA.



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## Pages in category "ALSA"

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The following 13 pages are in this category, out of 13 total.

### A

- [ALSA overview](#)
- [ALSA troubleshooting grid](#)

### D

- [DFSDM device tree configuration](#)
- [DFSDM Linux driver](#)

### H

- [How to play audio](#)
- [How to record audio](#)

### I

- [I2S device tree configuration](#)
- [I2S Linux driver](#)

### S

- [SAI device tree configuration](#)
- [SAI Linux driver](#)
- [Soundcard configuration](#)
- [SPDIFRX device tree configuration](#)
- [SPDIFRX Linux driver](#)

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Return to [Category:Troubleshooting grids](#).



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## Pages in category "Troubleshooting grids"

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The following 9 pages are in this category, out of 9 total.

### A

- [ALSA troubleshooting grid](#)
- [Audio troubleshooting grid](#)

### C

- [Coprocesor management troubleshooting grid](#)

### D

- [DRM KMS troubleshooting grid](#)

### G

- [GPU troubleshooting grid](#)
- [GStreamer troubleshooting grid](#)

### N

- [Networking troubleshooting grid](#)

### V

- [Visual troubleshooting grid](#)

### W

- [Wayland Weston troubleshooting grid](#)

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Return to Soundcard configuration.