



ALSA troubleshooting grid



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"> - Look for missing audio interfaces in <code>/sys/kernel/debug/asoc/dais</code>. - Check kernel config, modules and error trace for missing interfaces. |
| <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"> - DAI gpios not activated: missing in DT or in bad state - DAI/codec not clocked: kernel /master clock not enabled <p>Refer to Soundcard configuration</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.)