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Subject: Re: ASIO DRIVER current status ?

Posted by [mikeaudet](#) on Sat, 10 May 2014 14:44:21 GMT

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I'm not sure if this kind of update is helpful, but I fixed a bug yesterday that has been in the driver from the start. If I read the code right, the ASIO driver could never record more than one mono source at a time. Either that, or all of the sound buffers would have been grouped under the same voice schedule and worked despite the bug.

The reason the bug persisted (it actually manifested itself differently - it crashed my rewrite) is because there is virtually no documentation for how the code in the Paris Studio Control Library works. So, I've read the original ASIO driver and the code in the PSCL to try to understand the API. Bugs in the code are really tough because I then have to guess at how it is supposed to work.

It's fixed.

I'm getting an access violation when the buffer switch occurs, but that's my bug, and it's now making it pretty far into the process now.

I realized that I have to make some changes to my approach, too. The EDS1000 cards can only manage 24 streams of audio at once. In the PARIS app, that's okay because a track is either playing back or recording, never both at once. In an ASIO driver, the inputs and outputs exist separately. So, I'm going to have to put an option in the control panel for how to divide up the ins and outs, ie. 12 ins and 12 outs (which is what the original driver did) or 22 ins and 2 outs, or whatever.

That's where I'm at.

All the best,

Mike