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Subject: Re: ASIO DRIVER current status ?  
Posted by [mikeaudet](#) on Tue, 28 Oct 2014 14:46:17 GMT  
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Hi All,

I just wanted to give an update. Getting the PARIS hardware to work with Pro Tools 10 reliably has been really challenging, and I'm still working on it.

I had to re-write the buffering engine to work at all because even though the ASIO spec has a mechanism for asking the driver what its buffer sizes are, Pro Tools only allows 64/128/256/512 etc. The PARIS hardware requires buffer sizes that are a multiple of 10 for 24 bit transfers. So, I had to change things quite a bit to get it working.

The next two hurdles were because of bugs I created. Those bugs are my fault, but Pro Tools closes as soon as it detects a debugger attaching to its process. This is probably done to make it harder to crack the PACE copy protection. In my case, it just makes it harder for me to fix things.

I had a bug that didn't manifest in other hosts because they always initialized the buffers in the order the driver presented them to the app. Pro Tools changes the order, and that revealed a mistake I had made. It led to not being able to record audio in Pro Tools. It's fixed.

The second bug I've been trying to track down is a crash that sometimes happens when the buffer size is changed. It seems to happen more when the buffers are at 128 samples, but I've seen it at higher buffer sizes, too. Because I can't use a debugger and the problem hasn't manifested in other apps, this has been really, really hard to track down. I've literally spent days and days coming up with new theories and trying to prove or disprove them. I think I've finally found the problem, and I hope to have it fixed in about a week.

As long as the buffer sizes are not changed, Pro Tools works perfectly right now. So, we're not too far away.

I'll post when I finally have this resolved.

I just wanted to let you guys know what is happening, and that I'm still working really hard on this.

I have to give an extra special thanks to the beta testers who have helped us get to this point. You guys rock!

All the best!

Mike

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