
Subject: Update....

Posted by [mikeaudet](#) on Thu, 19 May 2022 15:00:55 GMT

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Hi Everyone,

It's been tough to make progress this year, but I'm finally getting traction. I've just started testing a version of the PSCL that is designed to work with jBridge. For those who haven't used jBridge, it allows a 32 bit host to connect with 64 bit VST files. I just started testing it with some 64 bit Waves plugins. So far, so good. The updated PSCL has a low priority thread that checks for jBridge processes and moves them off the CPU used by the PARIS application. This way, we can run 64 bit VSTs on all but one available CPU cores, while not running into the thread-safety issues in the PARIS application.

jBridge can be found here:

<https://jstuff.wordpress.com/jbridge/>

My next move is to work on the kernel driver (scherzo.sys). I bought a new ASUS motherboard with a PCI slot, and the driver does not work with this new board. The new board uses a I/O MMU, which is a new thing for PCs. I suspect that this is the problem, but I'll know more next week. An I/O MMU puts the PCI bus behind a memory controller that has to be programmed in order to allow PCI cards to access main memory. It's an extra level of indirection put in place for security reasons. The driver was not designed for this kind of thing.

I still haven't gotten the EV security certificate. The eventually rejected by documents that were signed by a justice of the peace. It's completely insane. An accountant or a lawyer will do just fine, but a judge can't be trusted. It's nuts. I'm going to go see a notary after I get the kernel driver updated. I only get a year on the certificate, so I think it makes sense to wait until I have this next phase done.

That's all I have to report for now.

All the best,
Mike

File Attachments

1) [PARIS_with_Waves.jpg](#), downloaded 5641 times

Edit Functions Settings EQ Aux Tracks Automation

The mixer console features ten channels, each with the following controls from top to bottom:

- A row of buttons: BYPASS (with up/down arrows), and three preset buttons (Abbey Road, CLA-2A Ster, dbx-160 Ster).
- An EQ 1 OFF button and a graphical EQ response curve.
- Frequency control: Hz knob (range 20-20), a digital display set to 1000, dB knob (range -0.0 to 0.0), and BW knob (range 1.5 to 1.5).
- ALL EQ button (illuminated).
- EQ ON button (illuminated) and an OPEN button.
- Balance/L/R slider with digital display (L 100, R 100).
- SOLO and MUTE buttons (yellow and purple).
- A vertical fader with a blue slider, ranging from 0 to 70.
- A digital display set to 0.0.
- Channel number (1-10).
- REC (red), AUTO (yellow), and MUTE (purple) buttons.
- Time and transport controls at the bottom of the mixer.

The IR-L plugin interface shows the following settings and controls:

- Header: IR-L, A: Hall - 1 (Full Reset), and buttons for A+B, Setup A, and Save.
- Status: Full CPU.
- Metadata: Name: Hall - 1, Type: Concert Hall, Date: 24 Mar 2004, SR: 96000Hz -> 44100Hz, Emitter: Genelec S30D.
- Performance table:

	Original	Current
Convolution:	1.85s	1.85s
RT60:	1.4s	1.4s
Channels:	4	4
Size:	11267	11267
Distance:	13m	NA
- Timeline: 0.000Sec to 2.000Sec, with Zoom + and Reset buttons.
- Reverb controls: Reverb Time (0.000s), Conv. Start (0.000s), Conv. Length (Full), Latency (11ms), Dry/Wet (100), Direct (Off), Pre-delay, and Output (-2.8, -2.6).

Options:

Post Notific

The transport control panel includes:

- Buttons for Play (blue triangle), Stop (black square), and other transport functions.
- A large SMPTE time display showing 00:01:48:16.6 (top) and 00:00:00:00.0 (bottom).
- Buttons for PUNCH and LOCK.
- Small indicator buttons for P, M, S, L, and a red '0' button.