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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

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## File Attachments

1) [PARIS\\_with\\_Waves.jpg](#), downloaded 9227 times

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Edit Functions Settings EQ Aux Tracks Automation

The image shows a 10-track mixer interface. Each track has a 'BYPASS' button, a list of EQ presets (Abbey Road, CLA-2A Ster, dbx-160 Ster), and a set of three knobs for EQ (Hz, dB, BW). Below the EQ are 'ALL EQ' and 'EQ ON' buttons, and a frequency response graph. Each track also has 'SOLO' and 'MUTE' buttons, a volume fader with a green level indicator, and a 'REC' button. The mixer is currently set to 'Full CPU'.

IR-L A: Hall - 1 (Full Reset)

Full CPU

Name: Hall - 1  
Type: Concert Hall  
Date: 24 Mar 2004  
SR: 96000Hz -> 44100Hz  
Emitter: Genelec S30D

	Original	Current
Convolution:	1.85s	1.85s
RT60:	1.4s	1.4s
Channels:	4	4
Size:	11267	11267
Distance:	13m	NA

0.000Sec 2.000Sec

Reverb Time: 0.000s, Conv. Length: Full, Latency: 11ms, Dry/Wet: 100, Direct: Off, Output: 0.0

The screenshot shows the IR-L reverb plugin window. It displays the name 'Hall - 1', type 'Concert Hall', and date '24 Mar 2004'. It lists the sample rate 'SR: 96000Hz -> 44100Hz' and emitter 'Genelec S30D'. A table compares 'Original' and 'Current' settings for Convolution, RT60, Channels, Size, and Distance. The 'Dry/Wet' knob is set to 100, and the 'Direct' button is 'Off'. The 'Output' level is set to 0.0.

Options:  Post Notific

Transport: [Untitled Project]

00:01:48:16.6 SMPTE  
00:00:00:00.0 SMPTE

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P - M - S - L - 0 PUNCH LOCK

The transport control window shows the current time as 00:01:48:16.6 SMPTE and a counter at 00:00:00:00.0 SMPTE. It includes standard playback buttons (stop, play, next, previous) and a 'PUNCH' button. The transport is currently in 'Stop' mode.