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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 8738 times

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Edit Functions Settings EQ Aux Tracks Automation

The image displays a digital audio workstation (DAW) mixer interface with 10 channels. Each channel strip includes a bypass button, a list of plugins (Abbey Road, CLA-2A Ster, dbx-160 Ster), an EQ 1 OFF button, frequency response controls (Hz, dB, BW), an ALL EQ button, an EQ ON button, a solo/mute control, and a fader. The EQ section for each channel shows a frequency knob set to 1000 Hz, a gain knob set to 0.0 dB, and a bandwidth knob set to 1.5. The faders are set to 0.0. The interface is highly detailed with various knobs, buttons, and sliders.

The image shows a convolution reverb plugin window titled "IR-L". The settings include:  
Name: Hall - 1  
Type: Concert Hall  
Date: 24 Mar 2004  
SR: 96000Hz -> 44100Hz  
Emitter: Genelec S30D  
Convolution: 1.85s (Original) / 1.85s (Current)  
RT60: 1.4s  
Channels: 4  
Size: 11267  
Distance: 13m  
Reverb Time: 0.000s  
Conv. Length: Full  
Latency: 11ms  
Dry/Wet: 100  
Direct: Off  
Output: 0.0  
The window also features a frequency response graph and a zoom control.

Options:

Post Notifica

The image shows a transport control panel with the following elements:  
- Transport buttons: Stop, Play, Record, Solo, Mute, and a red record button.  
- Time display: 00:01:48:16.6 SMPTE  
- SMPTE display: 00:00:00:00.0 SMPTE  
- Additional buttons: P, N, S, L, 0, PUNCH, LOCK