
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 4848 times

Mixer/1-SubMix 1 (A) : [Untitled Project]

Edit Functions Settings EQ Aux Tracks Automation

10 mixer channels with various controls:

- Channel Headers:** Each channel has a 'BYPASS' button and a list of EQ presets (Abbey Road, CLA-2A Ster, dbx-160 Ster).
- EQ Section:** Each channel has an 'EQ 1 OFF' toggle, a frequency knob (set to 1000 Hz), a gain knob (set to 0.0 dB), and a bandwidth knob (set to 1.5).
- Automation:** Each channel has an 'ALL EQ' automation button.
- Visuals:** Each channel has an 'EQ' graph area with 'ON' and 'OPEN' buttons.
- Balance/Width:** Each channel has an 'L' and 'R' balance knob.
- Mono/Stereo:** Each channel has 'SOLO' and 'MUTE' buttons.
- Volume:** Each channel has a vertical volume fader.
- Phase:** Each channel has 'R', 'A', and 'E' phase buttons.
- Recording:** Each channel has a 'REC' button and an 'AUTO' toggle.
- Time:** A time display at the bottom shows 00:01:48.555.

IR-L Reverb Processor Settings:

- Header:** IR-L, A: Hall - 1 (Full Reset), A → B, Setup A, Save
- Status:** Full CPU
- Metadata:** Name: Hall - 1, Type: Concert Hall, Date: 24 Mar 2004, SR: 96000Hz -> 44100Hz, Emitter: Genelec S30D
- Parameters:**

	Original	Current
Convolution:	1.85s	1.85s
RT60:	1.4s	1.4s
Channels:	4	4
Size:	11267	11267
Distance:	13m	NA
- Graph:** A frequency response graph showing a decay curve over time.
- Time:** 0.000Sec to 2.000Sec
- Controls:**
 - Reverb Time: 0.000s, Cnv. Length: Full
 - Latency: 11ms
 - Dry/Wet: 100
 - Direct: Off
 - Output: -2.8, -2.6

Options:

Post Notification

Transport: [Untitled Project]

Transport controls:

- Stop, Play/Pause, Record, Fader, Solo, Mute, P, N, S, L, 0, PUNCH, LOCK
- Time display: 00:01:48:16.6 SMPTE, 00:00:00:00.0 SMPTE

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