
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 6087 times

Edit Functions Settings EQ Aux Tracks Automation

The mixer rack contains 10 identical channel strips. Each strip includes:

- Top Row:** A 'BYPASS' button with a red LED indicator and a dropdown menu. Below it are three checkboxes: 'Abbey Road', 'CLA-2A Ster', and 'dbx-160 Ster'.
- EQ Section:** An 'EQ 1 OFF' button, a frequency knob (set to 1000 Hz), a gain knob (set to 0.0 dB), and a bandwidth knob (set to 1.5).
- Global EQ:** An 'ALL EQ' button with a green LED indicator.
- EQ Curve:** An 'EQ ON' button with a green LED indicator and a graph area.
- Balance:** A knob with 'L 100' and 'R 100' labels.
- SOLO/MUTE:** Two buttons with yellow and purple LEDs.
- Automation:** A vertical slider with a green-to-red gradient and a '0.0' value display.
- Bottom Row:** 'REC' and 'AUTO' buttons.

IR-L A: Hall - 1 (Full Reset) [Left] [Right] [A→B] [Setup A] [Save]

Full CPU

Name: Hall - 1
Type: Concert Hall
Date: 24 Mar 2004
SR: 96000Hz -> 44100Hz
Emitter: Genelec 530D

	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 [Zoom] [Reset]

— Reverb Time —
Cnv. Start: 0.000s
Cnv. Length: Full

Latency: 11ms

Dry/Wet: 100 [Slider]

Direct: Off

Output: 0.0 [Slider]

-2.8 -2.6

Options: Post Notifica

Transport: [Untitled Project]

[Previous] [Next] [Stop] [Play] [Record] [Fast Forward]

P - M - S - L - 0 [PUNCH] [LOCK]

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