
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 10320 times

Edit Functions Settings EQ Aux Tracks Automation

The image shows a digital audio workstation (DAW) mixer interface with 10 channels. Each channel has a 'BYPASS' button, a list of EQ plugins (Abbey Road, CLA-2A Ster, dbx-160 Ster), and an 'EQ 1 OFF' button. Below these are three frequency sliders for Hz, dB, and BW, all set to 1000 Hz, 0.0 dB, and 1.5 BW respectively. There are also 'ALL EQ' and 'EQ ON' buttons, and a 'Solo Mute' section with yellow and purple buttons. At the bottom of each channel are three faders labeled 1, 2, and 3, with a 'REC' button and a 'L 100' or 'R 100' label. The mixer is overlaid on a window titled 'IR-L' showing reverb settings for 'Hall - 1'.

Channel	Hz	dB	BW	EQ ON	Solo	Mute	Fader 1	Fader 2	Fader 3	REC
1	1000	0.0	1.5	ON	Off	Off	10	15	20	Off
2	1000	0.0	1.5	ON	Off	Off	10	15	20	Off
3	1000	0.0	1.5	ON	Off	Off	10	15	20	Off
4	1000	0.0	1.5	ON	Off	Off	10	15	20	Off
5	1000	0.0	1.5	ON	Off	Off	10	15	20	Off
6	1000	0.0	1.5	ON	Off	Off	10	15	20	Off
7	1000	0.0	1.5	ON	Off	Off	10	15	20	Off
8	1000	0.0	1.5	ON	Off	Off	10	15	20	Off
9	1000	0.0	1.5	ON	Off	Off	10	15	20	Off
10	1000	0.0	1.5	ON	Off	Off	10	15	20	Off

The 'IR-L' window displays reverb settings for 'Hall - 1'. It includes a 'Full CPU' warning, a list of parameters (Convolution, RT60, Channels, Size, Distance), a graph, and controls for 'Reverb Time', 'Dry/Wet', 'Direct', 'Latency', and 'Output'.

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

Options: Post Notific

The Transport window shows playback controls (stop, play, record, etc.), a time display of 00:01:48:16.6, and SMPTE timecode.