
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 5149 times

Edit Functions Settings EQ Aux Tracks Automation

The mixer interface shows 10 tracks, each with a set of controls. At the top of each track is a 'BYPASS' button and a list of plugins (Abbey Road, CLA-2A Ster, dbx-160 Ster). Below that is an 'EQ 1 OFF' toggle and a frequency response graph. The EQ section includes frequency (Hz) and gain (dB) knobs, and a bandwidth (BW) knob. An 'ALL EQ' toggle is below the EQ section. Further down is an 'EQ ON' toggle and an 'OPEN' button. Below that are stereo width controls (L 100, R 100). At the bottom of each track are 'SOLO' and 'MUTE' buttons, and a vertical fader with a scale from 0 to 70. At the very bottom of each track are 'REC' and 'AUTO' buttons.

The IR-L convolution reverb plugin window is open. It shows the name 'Hall - 1' and its type 'Concert Hall'. Parameters include SR (96000Hz -> 44100Hz), Emitter (Genelec S30D), Convolution (1.85s), RT60 (1.4s), Channels (4), Size (11267), and Distance (13m). The 'Original' and 'Current' values are shown for Convolution and RT60. A graph shows the impulse response. Controls include 'Reverb Time', 'Conv. Start' (0.000s), 'Conv. Length' (Full), 'Latency' (11ms), 'Dry/Wet' (100), 'Direct' (Off), 'Pre-delay', and 'Output' (-2.8, -2.6).

Options:

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The Transport control window shows playback buttons (Previous, Play, Stop, Next), a 'PUNCH' button, and a 'LOCK' button. The time display shows 00:01:48:16.6 SMPTE and 00:00:00:00.0 SMPTE. Below the buttons are indicators for 'P', 'M', 'S', 'L', and a '0' indicator.

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