
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 3583 times

Edit Functions Settings EQ Aux Tracks Automation

The image shows a mixer interface with 10 channels. Each channel has a 'BYPASS' button, a list of EQ presets (Abbey Road, CLA-2A Ster, dbx-160 Ster), and an 'EQ 1 OFF' toggle. Below these are three frequency sliders: Hz (set to 1000), dB (set to 0.0), and BW (set to 1.5). There are also 'ALL EQ' and 'EQ ON' buttons, and an 'OPEN' button. Each channel has a stereo pair of faders labeled 'L 100' and 'R 100'. Below the faders are 'SOLO' and 'MUTE' buttons, and a vertical gain slider with a scale from 1 to 70. At the bottom of each channel are 'REC' and 'AUTO' buttons. A time display at the bottom left shows '00:01:48.555'.

The IR-L plugin window shows settings for a reverb effect. The name is 'Hall - 1', type is 'Concert Hall', and the date is '24 Mar 2004'. The sample rate is 'SR: 96000Hz -> 44100Hz' and the emitter is 'Genelec 530D'. A table shows 'Original' and 'Current' values for 'Convolution: 1.85s', 'RT60: 1.4s', 'Channels: 4', and 'Size: 11267'. A graph shows the impulse response over time. The 'Reverb Time' is set to '0.000s', 'Conv. Length' is 'Full', and 'Latency' is '11ms'. The 'Dry/Wet' mix is set to '100', and 'Direct' is 'Off'. The 'Output' level is set to '0.0'. A 'Post Notification' checkbox is checked in the background.

The transport control window shows playback buttons: 'P' (Previous), 'N' (Next), 'S' (Stop), 'L' (Play/Pause), 'PUNCH', and 'LOCK'. The time display shows '00:01:48:16.6' and '00:00:00:00.0'. There are 'SMPTE' labels next to the time displays.