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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

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## File Attachments

1) [PARIS\\_with\\_Waves.jpg](#), downloaded 9070 times

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Edit Functions Settings EQ Aux Tracks Automation

The screenshot displays a multi-track mixer interface. At the top, there are tabs for 'Edit', 'Functions', 'Settings', 'EQ', 'Aux', 'Tracks', and 'Automation'. Below these are ten channel strips, each with a 'BYPASS' button and a list of EQ presets: Abbey Road, CLA-2A Ster, and dbx-160 Ster. Each channel strip includes an 'EQ 1 OFF' toggle, three frequency sliders (Hz, dB, BW), an 'ALL EQ' toggle, an 'EQ ON' indicator, an 'OPEN' button, and a stereo balance knob (L 100, R 100). Below the EQ section are 'SOLO' and 'MUTE' buttons, and two vertical faders. At the bottom of each channel strip are 'REC' and 'AUTO' buttons.

The screenshot shows the 'IR-L' convolution reverb plugin window. It features a title bar with 'IR-L', navigation arrows, and buttons for 'A: Hall - 1 (Full Reset)', 'A → B', 'Setup A', and 'Save'. The main area is titled 'Full CPU' and contains a metadata section with the following details:

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

Below this is a table comparing 'Original' and 'Current' settings:

|              | Original | Current |
|--------------|----------|---------|
| Convolution: | 1.85s    | 1.85s   |
| RT60:        | 1.4s     | 1.4s    |
| Channels:    | 4        | 4       |
| Size:        | 11267    | 11267   |
| Distance:    | 13m      | NA      |

On the right side, there is a frequency response graph showing a roll-off from 0.000Sec to 2.000Sec. Below the graph are controls for 'Reverb Time' (set to 0.000s), 'Conv. Length' (set to Full), 'Latency' (set to 11ms), 'Dry/Wet' (set to 100), 'Direct' (set to Off), and 'Output' (set to 0.0). There are also 'Zoom' and 'Reset' buttons.

Options:

Post Notific

The screenshot shows a transport control window titled 'Transport: [Untitled Project]'. It contains standard transport controls: a double left arrow (stop), a double right arrow (play), a square (stop), a right arrow (play), and a red circle (record). Below these are buttons for 'PUNCH' and 'LOCK'. A large digital display shows the current time as '00:01:48:16.6' and '00:00:00:00.0'. To the right of the display are two 'SMPTE' labels.