
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 3705 times

Edit Functions Settings EQ Aux Tracks Automation

This block displays a multi-channel mixer interface. At the top, there are menu tabs: **Edit**, **Functions**, **Settings**, **EQ**, **Aux**, **Tracks**, and **Automation**. Below these are 10 channels, each with a set of controls:

- Channel 1-3:** Feature a **BYPASS** button, a list of pre-set EQs (Abbey Road, CLA-2A Ster, dbx-160 Ster), and an **IR-L full Ste** option.
- Channel 4-10:** Feature a **BYPASS** button, a list of pre-set EQs (all represented by <math>10^{0</math>), and an **IR-L full Ste** option.

Each channel has a section for **EQ 1 OFF** with three knobs: **Hz** (set to 1000), **dB** (set to 0.0), and **BW** (set to 1.5). Below this is an **ALL EQ** button (all are checked) and an **EQ ON** button (all are checked). There are also **OPEN** buttons and stereo routing controls (**L 100** and **R 100**).

At the bottom of the mixer, there are **SOLO** and **MUTE** buttons, a vertical fader with a scale from 1 to 70, and a **REC** button with an **AUTO** indicator. The timecode at the bottom left is **00:01:48.555**.

This block shows the **IR-L** convolution reverb settings dialog box. At the top, it shows the current reverb: **IR-L** with a waveform icon, and the selected preset: **A: Hall - 1 (Full Reset)**. There are navigation buttons **←**, **→**, **A→B**, **Setup A**, and **Save**.

The **Full CPU** label is displayed. Below it is a list of parameters:

- Name: Hall - 1
- Type: Concert Hall
- Date: 24 Mar 2004
- SR: 96000Hz -> 44100Hz
- Emitter: Genelec S30D

A table shows the **Original** and **Current** values for several parameters:

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

Below the table is a waveform display with a scale from **0.000Sec** to **2.000Sec** and **Reset** buttons. At the bottom, there are controls for **Reverb Time** (set to 0.000s), **Latency** (set to 11ms), **Dry/Wet** (set to 100), **Direct** (set to Off), and **Output** levels (set to 0.0). There are also **Pre-delay** and **Conv. Length** (set to Full) controls.

Options: **Post Notifica**

This block shows the **Transport: [Untitled Project]** window. It features standard playback controls: **Stop**, **Previous**, **Next**, **Play/Pause**, and **Record** buttons. Below these are indicators for **P**, **N**, **S**, and **L**, and a **0** indicator. There are **PUNCH** and **LOCK** buttons. The timecode is displayed in two lines: **00:01:48:16.6** (SMPTE) and **00:00:00:00.0** (SMPTE).

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