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.

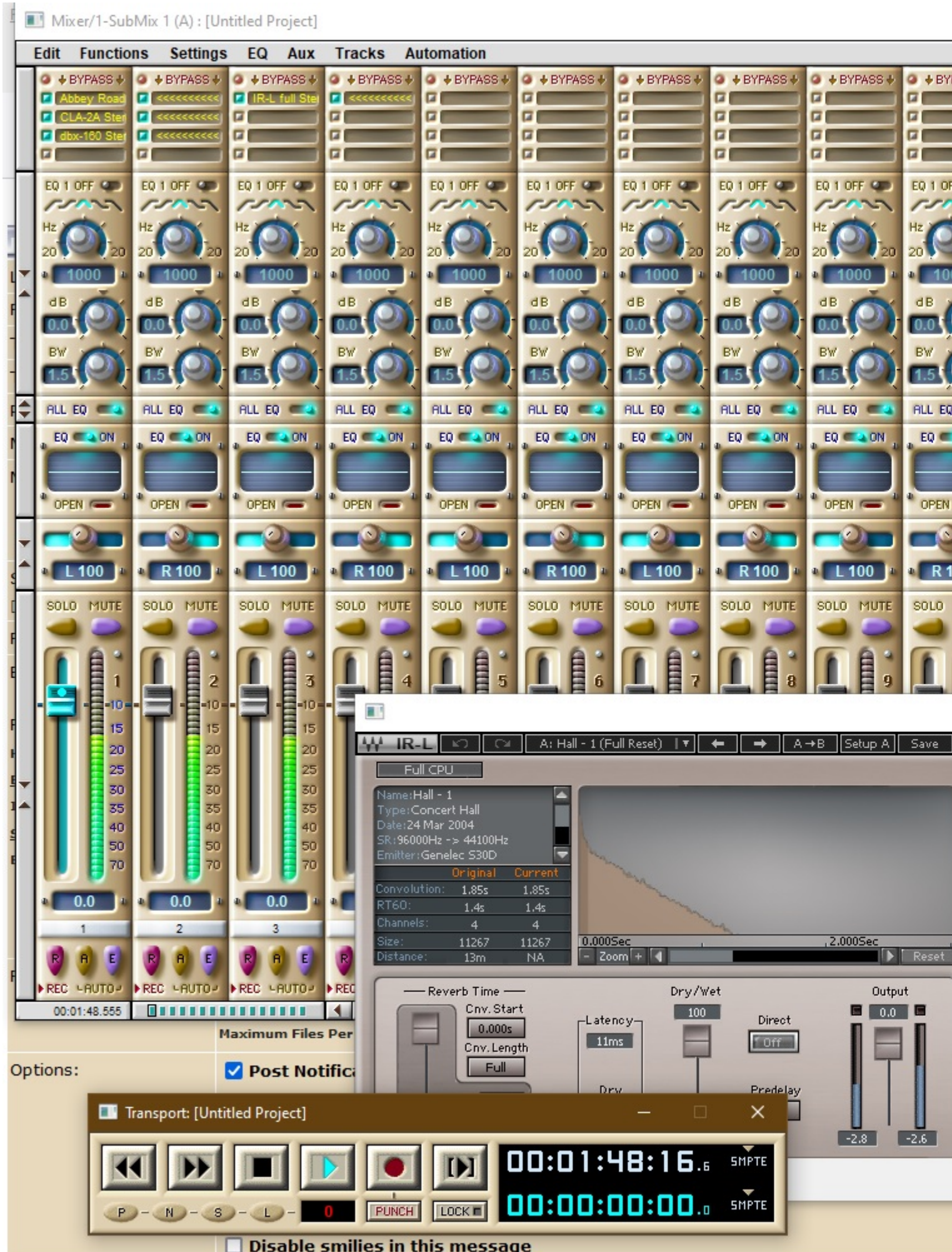
I still haven't gotten the EV security certificate. The eventually rejected by documents that were signed by a justice of the peace. It's completely insane. An accountant or a lawyer will do just fine, but a judge can't be trusted. It's nuts. I'm going to go see a notery after I get the kernel driver 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 5855 times


Mixer/1-SubMix 1 (A) : [Untitled Project]
Edit Functions Settings EQ Aux Tracks Automation
BYPASS
Abbey Road
CLA-2A Ster
dbx-160 Ster
IR-L full Ste
EQ 1 OFF
Hz
20
1000
dB
0.0
BW
1.5
ALL EQ
EQ ON
OPEN
L 100
R 100
SOLO MUTE
0.0
REC AUTO
00:01:48.555
IR-L
A: Hall - 1 (Full Reset)
A→B
Setup A
Save
Full CPU
Name:Hall - 1
Type:Concert Hall
Date:24 Mar 2004
SR:96000Hz -> 44100Hz
Emitter:Genelec S30D
Original Current
Convolution: 1.85s 1.85s
RT60: 1.4s 1.4s
Channels: 4 4
Size: 11267 11267
Distance: 13m NA
0.000Sec
2.000Sec
Zoom
Reset
Reverb Time
Cnv. Start
0.000s
Cnv. Length
Full
Latency
11ms
Dry/Wet
100
Direct
Off
Predelay
Output
0.0
-2.8
-2.6
Maximum Files Per
Options:
Post Notifica
Transport: [Untitled Project]
00:01:48:16.6
SMPTE
00:00:00:00.0
SMPTE
P N S L 0
PUNCH
LOCK
Disable smilies in this message