Subject: Well, FWIW....in case any of you guys get adventurous
Posted by DJ on Sat, 20 Oct 2007 23:46:25 GMT
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.....and decide to go down the native path using higher sample rates in the same way I have de3cided to do, I've got the new DAW(s) in a pretty bulletproof configuration now with the ability to interface lots of external boxes (which I would prefer to do, even at lower sample rates).

I had recently purchased a Lucid GenX-96 hoping to use it as a master clock but I get the Lucid GenX-96 in here and try to slave the MADI card to it and the MADI card won't slave to it at sample rates above 48KHz. Not the end of the world, but downright baffling.

What "is" working (and what I'm going to stick with) is to output the MADI WC to a Mytek Stereo96 AD converter, then take the BNC output of the Mytek and input this to the Lucid GenX 96 while simultaneously taking the AES output of the Mytek and patching it into the AES input of my other Lucid GenX-6 box. Set both Lucid boxes to distro mode with the respective proper incoming sync formats from the Mytek and use the BNC outs (a total of 12 available) of the Lucid boxes to the following devices which are either internally terminated or terminated with 75 ohm BNC caps:

RME AES-32
RME ADI 648
RME ADI 4-DD
RME ADi 4-DD
RME ADI 8-DD
RME ADI 8-DD
RME ADI 8-DS
RME ADI 8-DS
RME Multiface

This leaves me three more clock outs for further adventures...........;o)

I'm quite happy with using the MADI as WC master, it just seems strange that it will not lock to external sync above 48KHz. Stuff like this just drives me nuts. At any rate, everything is looking good here now and I'm able to do what I had wanted.

The way to get the external FX boxes (a PCM-91, SonyV-77, Roland R-880 and Quantec Yardstick which are not capable of operating at sample rates above 48KHz) all working smoothly at sample rates up to 96KHz using 2 RME ADI 8-DD format/sample rate converters is as follows:

AES 32 Totalmix 1:1 routing
Project sample rate set to 88.2KHz
AES-32 control panel Output Format - Double Speed>Single Wire

Routing:

AES 32 outputs 1 & 2, 3 & 4, 5 & 6, 7 & 8 to #1 ADI 8-DD inputs 1 & 2, 3 & 4, 5 & 6, 7 & 8

#1 ADI 8-DD settings left side:
Source-AES
SRC-Active
Clock-EXT
#1 ADI 8-DD settings right side
Source AES
AES State-Pro
#1 ADI 8-DD AES outputs to PCM 91 AES in, V77 AES in, R-880 AES in, Yardstick AES in

_____ _____

PCM 91 AES out, V77 AES out, R-880 AES out, Yardstick AES out to #2 ADI 8-DD inputs

#2 ADI 8-DD settings left side:
Source-AES
SRC-Active
Clock-EXT > DS (very important-without this DS setting, the output signal to the AES-32 is mono)
#2 ADI 8-DD settings right side
Source-AES
State-Pro
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Additionally, I've got 4 more external processors here (a POD XP Pro (96KHz capable), a second Sony V77, a TC Electronics D-2 and a TC Electronics M2000) patched into the AES 32 I/O #'s 9 thru 16 with the Sony and the two TC devices interfacing with 6 x Behringer Ultramatch Pro units in a similar manner to what I am using with the ADI 8-Dd units and these are handling the real time sample rate conversion to/from 88.2KHZ for these boxes. I have to say that as many bad experiences as I have had with Behringer products, these particular boxes are and have been rock solid performers.......I do keep a spare..just in case.....;o)

It's nice having 8 x outboard external devices in Cubase SX capable of processing at 88.2 KHz. It really does open up some possibilities and save some DSP horsepower that can be used for those nice UAD-1 compressors and EQ's when working at higher sample rates.

Now.....to start getting some projects going at said higher sample rates. I've got two in preproduction right now. It's almost time to burn up some disc space.
;O)

Deej

Subject: Re: Well, FWIW....in case any of you guys get adventurous
Posted by LaMontt on Sun, 21 Oct 2007 01:27:58 GMT

DJ, my man.. I I can' begin to understand your setup. And this coming from
a Network Enginner :)

I'm happpy if you're happy with it. Rock on. Or get a DM 2000..

"DJ" <animix _ at _ animas _ dot _ net> wrote:
>....and decide to go down the native path using higher sample rates in the

>same way I have de3cided to do, I've got the new DAW(s) in a pretty
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>

Subject: Re: Well, FWIW....in case any of you guys get adventurous

Posted by Sarah on Sun, 21 Oct 2007 08:21:34 GMT

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Someday I may want to understand what you're talking about, but for now I'm
happy to assume that you know. :)

S

"DJ" <animix _ at _ animas _ dot _ net> wrote in message
news:471a94cb@linux...
> ....and decide to go down the native path using higher sample rates in the
> same way I have de3cided to do, I've got the new DAW(s) in a pretty
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> Deej
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Subject: Re: Well, FWIW....in case any of you guys get adventurous
Posted by John [1] on Sun, 21 Oct 2007 11:49:01 GMT
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Now show me an album from it !

Subject: Re: Well, FWIW....in case any of you guys get adventurous
Posted by Gene Lennon[4] on Sun, 21 Oct 2007 15:13:33 GMT
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Thanks for the info. It does put somewhat of a damper on my plans based on
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Cool setup.

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Subject: Re: Well, FWIW....in case any of you guys get adventurous
Posted by DJ on Sun, 21 Oct 2007 16:47:29 GMT
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"Gene Lennon" <glennon@NOSpammyrealbox.com> wrote in message
news:471b6c9d$1@linux...
>
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> Cool setup.
>
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Gene, I don't know that it sounds better. It does sound a bit different as
the converters on the boxes add their own character. The dinosaur converters
in that old R-880,the PCM-91 and the Sony can add some flavor to a track or
a group. The reason I'm doiing it is primarily because I integrate so many
other outboard devices into my mixes that don't have digital options and
keeping as much of my signal path digital as possible (especially parallel
send FX that will process multiple tracks) when integrating 8-10 (or more)
analog processors and the AD/DA conversions this involves give be a bit more
openness when the entire mix is summed. There is a bit of apparent veiling,
especially using the AD/DA's of the Lexi PCM-91.

As far as syncing the MADI to external WC, I'm sure it can be done. People

do it all the time on the Nuendo forum. that's MADILAND if you're needing questions answered. For some reason, I've got some kind of problem though. I'm currently using two 75 ohm BNC cables for my to/from the ADI 648 and the MADI card. I'm going to order a duplex optical MADI cable and see if this changes some things. There's a lot of stuff clocked here and I'm still trying to get my head around how the MADI card converses with the ADI 648. There are a few variables that are possible and this could be the reason.

Using the MADI card as master isn't a problem for me. The clock is excellent and the syncing of all these devices is rock solid)pretty miraculous considering the number I'm using). I needed to get this system up and running this weekend and I don't have time for more experimentation right now. If I get this resolved, I'll let you know.

Deej

Subject: Re: Well, FWIW....in case any of you guys get adventurous
Posted by DJ on Sun, 21 Oct 2007 16:49:58 GMT

"John" <no@no.com> wrote in message news:471b3cad$1@linux...
>
> Now show me an album from it !

.......................soon..................

;o)

Subject: Re: Well, FWIW....in case any of you guys get adventurous
Posted by Nil on Sun, 21 Oct 2007 17:12:05 GMT

"DJ" <animix _ at _ animas _ dot _ net> wrote:
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>"Gene Lennon" <glennon@NOSpammyrealbox.com> wrote in message
>news:471b6c9d$1@linux...
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OK, so you've got the samplerate issue covered with the (ahem!)
Behringer convertors, but what about bitstream rate? If you're
recording at 24 bits, and some of the older convertors on your
outboard gear are 12 or 16 bits, does that make any difference?
From a technical point of view, I mean.

Neil

Subject: Re: Well, FWIW....in case any of you guys get adventurous
Posted by DJ on Sun, 21 Oct 2007 17:47:52 GMT
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All of my outboard processors are 24 bit capable if interfacing digitally
via AES/EBU except maybe the R-880...and I'm pretty sure it is too.

"Neil" <IUOIU@OIU.com> wrote in message news:471b8865$1@linux...
>
> "DJ" <animix _ at _ animas _ dot _ net> wrote:
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>
> Neil

Subject: Re: Well, FWIW....in case any of you guys get adventurous
Posted by DJ on Sun, 21 Oct 2007 17:54:19 GMT

Neil,

Here is the Behringer box I'm talking about:

http://www.behringer.com/SRC2496/index.cfm?lang=eng

It's one of the most useful pieces of kit that I've run across for SRC and
format conversion (and the AD/DA's aren't bad either). when interfacing
digitally, there is no color/distortion, etc. added to the signal. I can be
clocked from an external source and and it's internal clock is very stable
as well. A real Swiss (errr.German) army knife of a box. I have owned 7 of
these and only one has died......so far.

Deej

"DJ" <animix _ at _ animas _ dot _ net> wrote in message
news:471b9244$1@linux...
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>
>

Subject: Re: Well, FWIW....in case any of you guys get adventurous
Posted by John [1] on Sun, 21 Oct 2007 19:53:59 GMT
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and it better be at least as good as Aja cus they didn't have half this shit
! hehe

Subject: Re: this may make things easier for you guys with hardware gear
Posted by Nappy on Mon, 22 Oct 2007 03:26:45 GMT
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http://tcelectronic.com/Default.asp?Id=11617
This looks pretty cool!\

respect
Nappy

"DJ" <animix _ at _ animas _ dot _ net> wrote:
>
>"Gene Lennon" <glennon@NOSpammyrealbox.com> wrote in message
>news:471b6c9d$1@linux...
>>
>> Thanks for the info. It does put somewhat of a damper on my plans based
on
>> the clock issues with MADI, but it sounds very powerful.
>> Are you sure that running the RME ADI 8-DD format/sample rate converters
>> I/O to the effects sounds better than running analog? I would like your

>> opinion.
>>
>> Cool setup.
>>
>> Gene
>>
>
>Gene, I don't know that it sounds better. It does sound a bit different
as
>the converters on the boxes add their own character. The dinosaur converters

>in that old R-880,the PCM-91 and the Sony can add some flavor to a track
or
>a group. The reason I'm doiing it is primarily because I integrate so many

>other outboard devices into my mixes that don't have digital options and

>keeping as much of my signal path digital as possible (especially parallel

>send FX that will process multiple tracks) when integrating 8-10 (or more)

>analog processors and the AD/DA conversions this involves give be a bit
more
>openness when the entire mix is summed. There is a bit of apparent veiling,

>especially using the AD/DA's of the Lexi PCM-91.
>
>As far as syncing the MADI to external WC, I'm sure it can be done. People

>do it all the time on the Nuendo forum. that's MADILAND if you're needing

>questions answered. For some reason, I've got some kind of problem though.

>I'm currently using two 75 ohm BNC cables for my to/from the ADI 648 and the
>MADI card. I'm going to order a duplex optical MADI cable and see if this

>changes some things. There's a lot of stuff clocked here and I'm still
>trying to get my head around how the MADI card converses with the ADI 648.

>There are a few variables that are possible and this could be the reason.
>
>Using the MADI card as master isn't a problem for me. The clock is excellent

>and the syncing of all these devices is rock solid)pretty miraculous
>considering the number I'm using). I needed to get this system up and
>running this weekend and I don't have time for more experimentation right

>now. If I get this resolved, I'll let you know.
>
>Deej
>
>

Subject: Re: this may make things easier for you guys with hardware gear
Posted by DJ on Mon, 22 Oct 2007 04:14:21 GMT
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That looks pretty cool actually. For the amount of hardware I'm integrating
though, what I'm using is about the same price as three of those which is
what I would need.....plus trhe MADI has a PCI based audio interface instead
of firewire....something I prefer personally.

How are you doing BTW? Haven't heard from you in wuite a while. Everything
OK?

;o)

"Nappy" <mgrant62@gmail.com> wrote in message news:471c1875$1@linux...
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