Subject: RME routing question
Posted by DJ on Sun, 09 Sep 2007 08:22:50 GMT
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This is a multi-part message in MIME format.

------=_NextPart_000_00A1_01C7F288.52C3B4A0
Content-Type: text/plain;
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A MADI system doesn't have enough I/O for my needs but it's a real PITA =
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the drivers do not allow the cards to sum to one card. I've been racking =
my brain trying to figure out a way to get the I/O I need here to sum =
into a single pair of outputs by physically routing them.

Computer #1 (slave system)

RME HDSP 9632:
ADAT I/O > Frontier Apache I/O 1 (Sending VSTi audio to master DAW)
HDSP 9632 Spdif out > RME Multiface Spdif in

RME Multiface=20
ADAT I/O > Frontier Apache I/O 2 (Sending VSTi audio to master DAW)
Multiface Spdif out > RME HDSP 9652 Spdif in on master DAW

Computer #2 (Master system)

RME HDSP 9652 #1
ADAT I/O 1 > #1 RME ADI8-DS Main
ADAT I/O 2 > #1 RME ADI8-DS Aux
ADAT I/O 3> ADI4-DD (connected to AES I/O of Quantec Yardstick, Lexicon =
PCM-91, Roland R-880 and Sony V-77)
RME HDSP 9652 #1 Spdif out > RME HDSP 9652 #2 Spdif in

RME HDSP 9652 #2
ADAT I/O 1 >#2 RME ADI8-DS Main
ADAT I/O 2 >#2 RME ADI8-DS-Aux
ADAT I/O 3> Frontier Apache I/O 3 (receiving VSTi audio from slave DAW)
RME HDSP 9652 #2 Spdif out > RME HDSP 9652 #3 Spdif in

RME HDSP 9652 #3
ADAT I/O 1 > RME ADI8-DD Main (connected to AES of Mytek Stereo AD/DA, =
POD Pro XT, TC D-2, DAT machine=20
ADAT I/O 2 > RME ADI8-DD Aux " " =
 " " "

ADAT I/O 3 > Frontier Apache I/O 4 (receiving VSTi audio from slave DAW)

RME HDSP 9652 #3 Spdif out > Benchmark DAC-1

This way I would have 16 channels of ADAT streaming from the slave =
(sampler) to the Master DAW patched through the Apache and other digital =
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could then be interfaced with either DAW as needed for utility purposes.

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I "think" this should work as long as the all cards are properly clocked =
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Anyone have any thoughts on this before I start tearing my current =
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<DIV><FONT face=3DArial size=3D2>RME HDSP 9632:</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>ADAT I/O > Frontier Apache I/O 1 =
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Multiface=20
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<DIV><FONT face=3DArial size=3D2>RME Multiface </FONT></DIV>
<DIV><FONT face=3DArial size=3D2>ADAT I/O > Frontier Apache I/O 2 =
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<DIV><FONT face=3DArial size=3D2>ADAT I/O 1 >#2 RME ADI8-DS =
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<DIV><FONT face=3DArial size=3D2></FONT> </DIV>
<DIV><FONT face=3DArial size=3D2>RME HDSP 9652 #3
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> RME=20

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Aux   =20
    "   =
   =20
        "   =
   =20
            =
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            =
"   =20
            "</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>ADAT I/O 3 > Frontier Apache I/O 4 =
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------=_NextPart_000_00A1_01C7F288.52C3B4A0--

Subject: Re: RME routing question
Posted by DJ on Sun, 09 Sep 2007 08:23:51 GMT
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------=_NextPart_000_00AC_01C7F288.774A71B0
Content-Type: text/plain;
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RME HDSP 9652 #2
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ADAT I/O 2 >#2 RME ADI8-DS-Aux
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RME HDSP 9652 #2 Spdif out > RME HDSP 9652 #3 Spdif in

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            =
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            =
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Posted by DJ on Sun, 09 Sep 2007 08:44:24 GMT
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------=_NextPart_000_00BF_01C7F28B.55D0C630
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Oy!!!...I'm braindead here. If this works, I won't need to patch ADAT =
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on both systems and so everything will be cumulatively summed through =
the spdif I/O of the various cards to the spdif output on the master =
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time to sleep.....sleeeeeepppp

;o}

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<DIV><FONT face=3DArial size=3D2></FONT> </DIV>
<DIV><FONT face=3DArial size=3D2>;o}</FONT></DIV>
<DIV><FONT face=3DArial size=3D2></FONT> </DIV>
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<DIV><FONT face=3DArial size=3D2>ADAT I/O 1 >#2 RME ADI8-DS =
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ADAT I/O 1 =
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Aux   "   =20
            =
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   =20
    "   =
   =20
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   =20
    "</FONT></DIV>
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------=_NextPart_000_00BF_01C7F28B.55D0C630--

Subject: Re: RME routing question
Posted by DJ on Wed, 12 Sep 2007 01:56:54 GMT
View Forum Message <> Reply to Message

This is a multi-part message in MIME format.

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Computer #1 (slave system)

RME HDSP 9632:
ADAT I/O > Frontier Apache I/O 1 (Sending VSTi audio to master DAW)
HDSP 9632 Spdif out > RME Multiface Spdif in

RME Multiface=20
ADAT I/O > Frontier Apache I/O 2 (Sending VSTi audio to master DAW)
Multiface Spdif out > RME HDSP 9652 Spdif in on master DAW

Computer #2 (Master system)

RME HDSP 9652 #1
ADAT I/O 1 > #1 RME ADI8-DS Main
ADAT I/O 2 > #1 RME ADI8-DS Aux
ADAT I/O 3> ADI4-DD (connected to AES I/O of Quantec Yardstick, =
Lexicon PCM-91, Roland R-880 and Sony V-77)
RME HDSP 9652 #1 Spdif out > RME HDSP 9652 #2 Spdif in

RME HDSP 9652 #2
ADAT I/O 1 >#2 RME ADI8-DS Main
ADAT I/O 2 >#2 RME ADI8-DS-Aux
ADAT I/O 3> Frontier Apache I/O 3 (receiving VSTi audio from slave =
DAW)
RME HDSP 9652 #2 Spdif out > RME HDSP 9652 #3 Spdif in

RME HDSP 9652 #3
ADAT I/O 1 > RME ADI8-DD Main (connected to AES of Mytek Stereo AD/DA, =
POD Pro XT, TC D-2, DAT machine=20
ADAT I/O 2 > RME ADI8-DD Aux " " =
" " "
ADAT I/O 3 > Frontier Apache I/O 4 (receiving VSTi audio from slave =
DAW)
RME HDSP 9652 #3 Spdif out > Benchmark DAC-1

This way I would have 16 channels of ADAT streaming from the slave =
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Thanks,

Deej

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Multiface=20
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  <DIV><FONT face=3DArial size=3D2>RME Multiface </FONT></DIV>
  <DIV><FONT face=3DArial size=3D2>ADAT I/O > Frontier Apache I/O 2 =
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  <DIV><FONT face=3DArial size=3D2>Computer #2 (Master =
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  <DIV><FONT face=3DArial size=3D2></FONT> </DIV>
  <DIV><FONT face=3DArial size=3D2>RME HDSP 9652 #1</FONT></DIV>
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ADAT I/O 1 =
> RME=20
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<DIV><FONT face=3DArial size=3D2>ADAT I/O 2 > RME ADI8-DD =
Aux   =20
    "   =
   =20
        "   =
   =20
            =
"   =20
            =
"   =20
            =
"</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>ADAT I/O 3 > Frontier Apache I/O 4 =
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------=_NextPart_000_0152_01C7F4AD.E79DDA70--

Subject: Re: RME routing question
Posted by Neil on Wed, 12 Sep 2007 02:11:37 GMT
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You & I talked about this one the phone one time a few months
ago - it took you this long to try it? WTF do you have a list
of "Shit to try when I get around to it" or something? lol

Neil

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> ADAT I/O 3> Frontier Apache I/O 3 (receiving VSTi audio from slave =

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> RME HDSP 9652 #2 Spdif out > RME HDSP 9652 #3 Spdif in
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>   "   "   "
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> <DIV><FONT face=3DArial size=3D2><STRONG>HDSP 9632 Spdif out > RME =
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> <DIV><FONT face=3DArial size=3D2>RME Multiface </FONT></DIV>
> <DIV><FONT face=3DArial size=3D2>ADAT I/O > Frontier Apache I/O 2 =
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> <DIV><FONT face=3DArial size=3D2><STRONG>Multiface Spdif out > RME =
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> 9652 #2 Spdif in</STRONG></FONT></DIV>

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> <DIV><FONT face=3DArial size=3D2>ADAT I/O 1 >#2 RME ADI8-DS =
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> <DIV><FONT face=3DArial size=3D2>ADAT I/O 2 >#2 RME =
>ADI8-DS-Aux</FONT></DIV>
> <DIV><FONT face=3DArial size=3D2>ADAT I/O 3> Frontier Apache I/O 3=20

> <DIV><FONT face=3DArial size=3D2><STRONG>RME HDSP 9652 #2 Spdif out =
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> 9652 #3 Spdif in</STRONG></FONT></DIV>

>> RME=20
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> <DIV><FONT face=3DArial size=3D2>Deej</FONT></DIV>

> <DIV><FONT face=3DArial =

>
>

Subject: Re: RME routing question
Posted by DJ on Wed, 12 Sep 2007 02:35:33 GMT
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I just want my RME system to work like one big audio card instead of 4 separate ones. the Driver doesn't allow audio that is being recorded on one card to be heard at the output of another card.....unless.....you;'ve got the cards cascaded like I'm doing. this way you can assign all channels on each card to the SPDIf out of each card and physically patch the output of that card to input of the next one and so on until you finally reach the SPDIF out of the last card which is routed to your Mains. What's really cool about this is that I'm doing it across two computers, one of which is running Cubase Sx 3 and the other running Cubase 4. I've got a folder set up on the audio drive of the Master DAW with a parallel Project in SX 3 so I can systemlink projects between the two DAWs running different versions of the software and stream the respective audio files from the master audio drive via Gigabit ethernet. As long as the SX3 files are kept separate from the Cubase 4 files, everything works great. I really don't think you are supposed to be able to do this with Cubase. Isn't this some kind of exclusive Nuendo "feature"?...Well, nonetheless, I'm doing it.

;o)

"Neil" <IUOI@OIU.com> wrote in message news:46e74ad9$1@linux...
>
> You & I talked about this one the phone one time a few months
> ago - it took you this long to try it? WTF do you have a list
> of "Shit to try when I get around to it" or something? lol

>
> Neil
>
>
> "DJ" <animix _ at _ animas _ dot _ net> wrote:
>>
>>
>>Hehehe!!!!!!!.....IT WORKS!!!!! I have defeated the card limitations
> =
>>by cascading 4 x RME cards (a Multiface on a slave DAW and 3 HDSP 9652's
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>>
>>Nyuk..nyuk...nyuk.....now if I could just figure out WTF I'm doing
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>>;o)
>>
>>
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>>
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>>
>> RME HDSP 9632:
>> ADAT I/O > Frontier Apache I/O 1 (Sending VSTi audio to master DAW)
>> HDSP 9632 Spdif out > RME Multiface Spdif in
>>
>> RME Multiface=20
>> ADAT I/O > Frontier Apache I/O 2 (Sending VSTi audio to master DAW)
>> Multiface Spdif out > RME HDSP 9652 Spdif in on master DAW
>>
>> Computer #2 (Master system)
>>
>> RME HDSP 9652 #1

>> ADAT I/O 1 > #1 RME ADI8-DS Main
>> ADAT I/O 2 > #1 RME ADI8-DS Aux
>> ADAT I/O 3> ADI4-DD (connected to AES I/O of Quantec Yardstick, =
>>Lexicon PCM-91, Roland R-880 and Sony V-77)
>> RME HDSP 9652 #1 Spdif out > RME HDSP 9652 #2 Spdif in
>>
>> RME HDSP 9652 #2
>> ADAT I/O 1 >#2 RME ADI8-DS Main
>> ADAT I/O 2 >#2 RME ADI8-DS-Aux
>> ADAT I/O 3> Frontier Apache I/O 3 (receiving VSTi audio from slave =
>>DAW)
>> RME HDSP 9652 #2 Spdif out > RME HDSP 9652 #3 Spdif in
>>
>> RME HDSP 9652 #3
>> ADAT I/O 1 > RME ADI8-DD Main (connected to AES of Mytek Stereo AD/DA,
> =
>>POD Pro XT, TC D-2, DAT machine=20
>> ADAT I/O 2 > RME ADI8-DD Aux   "   "
> =
>>   "   "   "
>> ADAT I/O 3 > Frontier Apache I/O 4 (receiving VSTi audio from slave =
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>>
>> Anyone have any thoughts on this before I start tearing my current =
>>routing matrix apart?
>>
>> Thanks,
>>
>> Deej

>>
>>
>>
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>><DIV> </DIV>
>><DIV> </DIV>
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>>Aux =20
>> " =
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>>"</FONT></DIV>
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Subject: Re: RME routing question
Posted by Neil on Wed, 12 Sep 2007 02:59:35 GMT
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"DJ" <animix _ at _ animas _ dot _ net> wrote:
>I really don't think you are supposed to be able to do this
>with Cubase. Isn't this some kind of exclusive
Nuendo "feature"?...Well,
>nonetheless, I'm doing it.

No, it's a hardware thang, not Cubase-Nuendo thing... in fact,
it's in the Multiface manual - remember we were talking about
this once over the phone? And I also posted the info here once
for somebody else a few months back. I've tested it, but
personally I haven't had to do it yet on an actual session
because I run the stuff through my 2nd Multiface that I don't
need to show up in the headphone mix like a 2nd bass amp mic or
direct stream, a triggered kick or snare signal if I've also
got mics on 'em, ALL toms (since you get plenty of toms in the

OH's), etc. etc.

Good for you for figuring it out though! If you need 576 inputs
to all be routed through the headphones, now you can do it!

:D lol

Actually, How many inputs are youse guys all using for full
band tracking? I've got 16 analog & 8 lightpipe (plus 2 stereo
SPDIF that are useless to me since I have no preamps with a
SPDIF output), and I've yet to use all of 'em at once, and I
always have at least two bass signal & at least two mics on
each guitar & sometimes a scratch vox. Now in the case of
someone like Deej who has 15 mics on each banjo, dobro, &
washboard I can see where he'd need more :) but 16 analogs,
plus 4 lightpipe usually gits 'er done for me. Anyone?

Neil

Subject: Re: RME routing question
Posted by DJ on Wed, 12 Sep 2007 03:00:28 GMT
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"Neil" <OIUOIU@OIU.com> wrote in message news:46e75617$1@linux...
>
> "DJ" <animix _ at _ animas _ dot _ net> wrote:
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>
> Neil

I'm using 26 AD/DA's here. That's enough for me.

;:)

Subject: Re: RME routing question
Posted by Neil on Wed, 12 Sep 2007 03:19:02 GMT
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"DJ" <animix _ at _ animas _ dot _ net> wrote:
>I'm using 26 AD/DA's here. That's enough for me.

Why do you need so many cards, then? Is it for the external EFX
routing & such?

Neil

Subject: Re: RME routing question
Posted by DJ on Wed, 12 Sep 2007 04:24:18 GMT
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"Neil" <oIUOIU@OIU.com> wrote in message news:46e75aa6$1@linux...
>
> "DJ" <animix _ at _ animas _ dot _ net> wrote:
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>
> Why do you need so many cards, then? Is it for the external EFX
> routing & such?
>
> Neil

Yes. I want to be able to work at 88.2 without jumping through a bunch of
hoops and I want to stay digital as much as possible.

The routing scenario I set out in my original post will allow me to doublewire and up/downsample my PMC-91, Quantec, Sony V77 and Roland R880 using a pair of RME ADI8-DD units while also double wiring my two ADI-8-DS units and doublewiring my Mytek Stereo AD/DA and my Pod XP Pro usng an RME ADI4-DD. Most of the horsepower/ UAD-1 DSP stuff will be on the master DAW, but the slave will also have the Multiface for interfacing analog gear, native VST plugins and VSTi's. with these systemlinked, it should be tres cool, sorta like running a dual socket dual core system but with lots more I/O capabilities. I ordered a pair of 750G SATA Drives and rather than deal with networking, I'm probably just going to load one on each DAW, give the projects duplicate names and keep things off the network. I've ordered another Opteron 185 for the slave DAW. All other hardware on that system is identical to the master DAW.systemlink just works so friggin nicely when set up properly. The only glitch was summing all these cards while tracking. I think I've got that solved now, FWIW, plus I can add another card (or two Magmas full of UAD-1 cards and RME cards like the master DAW) to the slave DAW if I need even more I/O

Wretched excess????.....well yeah!!

;O)

Subject: Re: RME routing question
Posted by Aaron Allen on Wed, 12 Sep 2007 06:09:19 GMT
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"DJ" <animix _ at _ animas _ dot _ net> wrote in message
news:46e757a7$1@linux...
>
> I'm using 26 AD/DA's here. That's enough for me.
>
> ;:)

yeah, today it is, heh.

AA

Subject: Re: RME routing question
Posted by Neil on Wed, 12 Sep 2007 06:10:48 GMT
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Gotcha.

Or at least i THINK i gotcha. lol

Makes sense what you're trying to do, IOW.

Five questions:
1.) What are you using as a master clock? Just curious.
2.) Do you ever get "unlocks"? You know, where you're running right along & something de-clocks on the digital side & you've got pinknoisefromhell or loss of signal?
3.) Considering RME's cleanliness, have you ever tried NOT going digital with your outboard EFX & going in analog instead? Reason being: if you're not having to samplerate-convert, you might end up with a better-quality EFX signal than if you had a jittery samplerate conversion? Not saying you've got jitter, but just wondering if you've tried it.

Wait, that wasn't five, it was three.... AAAAAAHHHGGHH!
(Semi-obscure Monty Python reference :D)

Neil

"DJ" <animix _ at _ animas _ dot _ net> wrote:
>
>"Neil" <oIUOIU@OIU.com> wrote in message news:46e75aa6$1@linux...
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>
>The routing scenario I set out in my original post will allow me to
>doublewire and up/downsample my PMC-91, Quantec, Sony V77 and Roland R880

>using a pair of RME ADI8-DD units while also double wiring my two ADI-8-DS

>units and doublewiring my Mytek Stereo AD/DA and my Pod XP Pro usng an RME

>ADI4-DD. Most of the horsepower/ UAD-1 DSP stuff will be on the master DAW,

>but the slave will also have the Multiface for interfacing analog gear,

>native VST plugins and VSTi's. with these systemlinked, it should be tres

>cool, sorta like running a dual socket dual core system but with lots more

>I/O capabilities. I ordered a pair of 750G SATA Drives and rather than deal

>with networking, I'm probably just going to load one on each DAW, give the

>projects duplicate names and keep things off the network. I've ordered
>another Opteron 185 for the slave DAW. All other hardware on that system
is
>identical to the master DAW.systemlink just works so friggin nicely when
set
>up properly. The only glitch was summing all these cards while tracking.
I
>think I've got that solved now, FWIW, plus I can add another card (or two

>Magmas full of UAD-1 cards and RME cards like the master DAW) to the slave

>DAW if I need even more I/O
>
>Wretched excess????.....well yeah!!
>
>;O)
>
>

Subject: Re: RME routing question
Posted by DJ on Wed, 12 Sep 2007 06:48:48 GMT
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----- Original Message -----
From: "Neil" <OIUOIU@IOU.com>
Newsgroups: IDEA.EMUEnsoniqPARIS
Sent: Wednesday, September 12, 2007 12:10 AM
Subject: Re: RME routing question

>
> Gotcha.
>
> Or at least i THINK i gotcha. lol
>

> Makes sense what you're trying to do, IOW.
>
> Five questions:
> 1.) What are you using as a master clock? Just curious.

Mytek Stereo A/D converter distributed by a Lucid GenX6

> 2.) Do you ever get "unlocks"? You know, where you're running
> right along & something de-clocks on the digital side & you've
> got pinknoisefromhell or loss of signal?

Never.

> 3.) Considering RME's cleanliness, have you ever tried NOT
> going digital with your outboard EFX & going in analog instead?
> Reason being: if you're not having to samplerate-convert, you
> might end up with a better-quality EFX signal than if you had a
> jittery samplerate conversion? Not saying you've got jitter,
> but just wondering if you've tried it.

I've tried it. it does sound very good. RME converters are, IMO, very good. I'm wanting to stay digital as much as possible because, quite frankly, I've got such a godawful rats nest of patch cables when I'm mixing that adding 8-10 more to the Medusa emulation just becomes friggin overwhelming, time consuming and cumbersome. The Quantec doesn't even have AD/DA's, it's all AES, the roland R-880 has some old 20 bit converters that actually sound quite good (they should-these thengswere expensive in their day) and the Lexicon PCM90's 20 bit converters are OK.not great. the sony V77's onverters are pretty good too. It's just the sheer volume of cabling when I'm interfacing 8 or 9 outbard compressors,, an EQ or two, a deesser..etc.

I'm not having any jitter problems at all with the digital stuff though. Rock solid and this system is more stable than any Paris system I ever built. Not the most powerful DAW around, but it's a great mobo and the Opteron 185 running at 2600MHZ per core has plenty of horsepower. Two of them systemlinked will be even better,though I've been pretty happy with the AMD 64 x 2 4400 that's in the slave right now. that one is going on an office machine that will be networded to the studio DAWs for backups and system updates.

;o)