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Subject: Re: Clocking issues - need some help  
Posted by DJ on Sun, 03 Dec 2006 03:02:26 GMT  
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Neil,

First things first. Pick up your clock and move it close enough to your Multiface units to try the old cables. If you're good with them then there's your problem. I've lived in clocking hell long enough to know that one funky cable can drive you nuts..unless, of course, you want to be up all night and then try this as a last resort.

;o)

"Nil" <OIUOI@OIU.com> wrote in message news:45723a96\$1@linux...

>

> OK, so my system \*\*\*WAS\*\*\* rock-solid stable with the RME cards  
> until either:

>

> a.) DeeJ jinxed it by talking about how unstable his system was  
> with RME hardware vs' the Pulsar stuff, my system heard about  
> it, got jealous for new hardware too, and started purposely  
> fucking up so I'd buy it a new present too (LOL).

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> b.) When I installed the Pulsar ASIO drivers, then de-installed  
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> driver's still interfering with things somehow (but I can't  
> find it, so I kinda doubt this is the case).

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> c.) When I recently reconfigured my setup, I had to get some  
> new BNC cables for my Word Clock since the other ones were too  
> short. I have a feeling it has something to do with this, rather  
> than the other two possibilities.

> 1.) The cables are all 12 feet long... not too long  
> according to the Lucid website (I have a Genx6-96) where they  
> recommend no longer than 15 feet.

> 2.) The cables are RG58A... I believe this is 50-Ohm... would  
> that make a difference & cause jitter from hell?

> 3.) I never bothered terminating the Multifaces before, and  
> never had a problem... should I be terminating the outputs?

> Could the longer cables be making a difference in whether I  
> should be terminating the WC-outs on the RME's?

>

> 'preciate any help

>

> Neil

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Subject: Clocking issues - need some help  
Posted by [Neil](#) on Sun, 03 Dec 2006 03:46:46 GMT  
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'preciate any help

Neil

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Subject: Re: Clocking issues - need some help  
Posted by [Neil](#) on Sun, 03 Dec 2006 05:39:56 GMT  
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Well, I will try this, but ideally I need the 12-ft cables regardless, so I'm wondering if the 50-ohm ones (vs. the 75-ohms that I've seen most WC cables made up of) are what's causing the problem - or at least COULD be what's causing it.

Neil

"DJ" <nowayjose@dude.net> wrote:  
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>> Neil

>  
>

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Subject: Re: Clocking issues - need some help  
Posted by [Neil](#) on Sun, 03 Dec 2006 20:53:33 GMT  
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OK, reconfigured things so that the Word Clock is closer to right in the middle between the devices that need to be clocked & went back to the 75-Ohm (and shorter) cables... it's working jitter-free now.

SO... if anyone didn't know this already: do NOT use 50-ohm RG58 BNC cables for Word Clocking!

Neil

"Neil" <OIUOIU@OI.com> wrote:

>

>Well, I will try this, but ideally I need the 12-ft cables >regardless, so I'm wondering if the 50-ohm ones (vs. the 75- >ohms that I've seen most WC cables made up of) are what's >causing the problem - or at least COULD be what's causing it.

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Subject: Re: Clocking issues - need some help  
Posted by [EK Sound](#) on Mon, 04 Dec 2006 21:02:28 GMT  
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This is a multi-part message in MIME format.  
-----050607060503090306080207  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

I am using various WC cable lengths from 12" to 35' (35' for the HD run) here with ZERO problems... but they are all home made 75 Ohm Canare LV-61S with proper crimp ends. Here is a pdf of the current signal flow for the room.

David.

Neil wrote:

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- > regardless, so I'm wondering if the 50-ohm ones (vs. the 75-
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- >
- > Neil
- >
- >
- >

-----050607060503090306080207

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Content-Transfer-Encoding: base64  
Content-Disposition: inline;  
filename="Studio B Signal Flow w-HD.pdf"

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Ng0KL1Jvb3Qg

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Subject: Re: Clocking issues - need some help  
Posted by [EK Sound](#) on Tue, 05 Dec 2006 00:52:08 GMT  
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RME HDSP9652's in the Nuendo computer, W/C in. The one to the Paris computer was also for a 9652... but it's in my office right now... I have the extra RME card just in case I needed to do a sys-link job with Nuendo.

David.

Neil wrote:

> Dave, it turned out to be the 50-ohm cables that were the problem... but one  
> question:

>  
> I noticed that your diagram shows a word clock line into the  
> Paris COMPUTER and Nuendo COMPUTER in addition to the ones for  
> the MEC & RME convertors... how are you word-clocking the  
> computer itself?

>  
> Neil

>  
>  
> EK Sound <askme@nospam.com> wrote:

>  
>> I am using various WC cable lengths from 12" to 35' (35' for the HD  
>> run) here with ZERO problems... but they are all home made 75 Ohm  
>> Canare LV-61S with proper crimp ends. Here is a pdf of the current  
>> signal flow for the room.

>>  
>> David.

>>  
>> Neil wrote:

>>  
>>> Well, I will try this, but ideally I need the 12-ft cables  
>>> regardless, so I'm wondering if the 50-ohm ones (vs. the 75-  
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>>> causing the problem - or at least COULD be what's causing it.

>>>  
>>> Neil

>>>  
>>>  
>>>  
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>>

>

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Subject: Re: Clocking issues - need some help  
Posted by [EK Sound](#) on Tue, 05 Dec 2006 01:17:43 GMT  
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Also the green lines are sometimes more than one cable (HD uses 6 optical lines, Nuendo another 6...)

Neil wrote:

> Oh, OK, I thought meant you had a separate Worldclock card for  
> the PC ITSELF (i.e. separate from the convertors).

>

> (Which actually, would not be a bad idea if there WAS such a  
> thing - since computers always want to try to default to 44.1,  
> even when you disable every onboard audio thingy).

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> Neil

>

>

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> EK Sound <[askme@nospam.com](mailto:askme@nospam.com)> wrote:

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>

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>>>

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>>>

>>>



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>>>

>>>

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>>>>>

>>>>>Neil

>>>>>

>>>>>

>>>>>

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>

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Subject: Re: Clocking issues - need some help  
Posted by [Nil](#) on Tue, 05 Dec 2006 01:32:07 GMT

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Dave,it turned out to be the 50-ohm cables that were the problem... but one question:

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Neil

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>>  
>> Neil  
>>  
>>  
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>

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Subject: Re: Clocking issues - need some help  
Posted by [Nil](#) on Tue, 05 Dec 2006 01:51:09 GMT  
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Oh, OK, I thought meant you had a separate Worldclock card for the PC ITSELF (i.e. separate from the convertors).

(Which actually, would not be a bad idea if there WAS such a thing - since computers always want to try to default to 44.1, even when you disable every onboard audio thingy).

Neil

EK Sound <askme@nospam.com> wrote:

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>>>>  
>>>>Neil  
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Subject: Re: Clocking issues - need some help  
Posted by [DJ](#) on Tue, 05 Dec 2006 01:56:48 GMT  
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I'm glad someone else here is as crazy as I am.

;o)

"EK Sound" <askme@nospam.com> wrote in message news:4574c643\$1@linux...  
> Also the green lines are sometimes more than one cable (HD uses 6 optical  
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>  
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>  
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>>>Neil wrote:  
>>>  
>>>>Dave,it turned out to be the 50-ohm cables that were the problem... but  
>>  
>> one  
>>  
>>>>question:  
>>>>  
>>>>I noticed that your diagram shows a word clock line into the  
>>>>Paris COMPUTER and Nuendo COMPUTER in addition to the ones for  
>>>>the MEC & RME convertors... how are you word-clocking the  
>>>>computer itself?  
>>>>  
>>>>Neil  
>>>>  
>>>>  
>>>>EK Sound <askme@nospam.com> wrote:  
>>>>  
>>>>  
>>>>>I am using various WC cable lengths from 12" to 35' (35' for the HD  
>>>>>run) here with ZERO problems... but they are all home made 75 Ohm  
>>>>>Canare LV-61S with proper crimp ends. Here is a pdf of the current  
>>>>>signal flow for the room.  
>>>>>  
>>>>>David.  
>>>>>  
>>>>>Neil wrote:  
>>>>>  
>>>>>  
>>>>>>Well, I will try this, but ideally I need the 12-ft cables  
>>>>>>regardless, so I'm wondering if the 50-ohm ones (vs. the 75-  
>>>>>>ohms that I've seen most WC cables made up of) are what's  
>>>>>>causing the problem - or at least COULD be what's causing it.  
>>>>>>  
>>>>>>Neil

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