
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...

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> OK, so my system ***WAS*** rock-solid stable with the RME cards
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> a.) DeeJ jinxed it by talking about how unstable his system was
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> 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
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Subject: Clocking issues - need some help
Posted by [Nei](#) on Sun, 03 Dec 2006 03:46:46 GMT
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Neil

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:

>

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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.
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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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>
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-----050607060503090306080207

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

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E6sIH+4v0FivQibE64SbACZK0jmtVY1W+Fuxqpl56doRtGdQ1SNd8rTgNW2x hS758Uwnc4Er
hUKwTuQm2aMs6t/YQwnKO6iA9Tb2/VKdCdthp7GxLpP7mUdEokyLGg9ZX/fJ fQgakQXPddfE
G0TwSYEQdyWswUxsfqzuUTJ9tjU5X8OILj/aPQZbpxg93Y0anLs2YXXfGS OeCbWJQxFam9
jATcg1oD1Pa3vgJpCLJz0uBIDnAiFDKimczR0/IMRnKnrh5emQd41JnnD9qu 5/3YAy/Cf6kN
9a9XmpmSksBop82FF55u8JYISZ3NNxvw4Wao05sCP1mO7HSptEnbG1jjmZV1 hxDcRZdqN7Bz
0truoeYfUnvpmE1PGERpfhL/ZAL7HBh1HWN6tMwVNyR/ahv0i4i5Fxl2ltfr mtYKGnI ZunWt
iN7nDAfvzhSMLB+yyOvqqns196cYldbUCGWg4nbbyyq/rdLg6TnKlyzGg8n5R JOTMBUT6iOoV
p1TnrOvVmFO8LllyoGaYU370m+8PbPPV2gwRLwn6ok7nKYm32qkPemloGqobR

OvfgodO1+I9PY/AtLeEHvcC8UAKX3oEx+5gQz3ptRXuaRumW+9OckID0sa/G MIhICuG1Hx/g
s55xZVfYYG0GWfBcT1LPuT5SaRhLbcdwi1VKQkj0F02dvZDO1OGYZxMbuA5y 10JHsiB0ZNxV
BgztMY49lrk+X8RbOZnnfIKiOzs9qvDoNqge2mHA56TGWvZB7acVr17bEj55 7DGs8lrGY4Pi
PuLDvBW2eRrq4Z1HjkP5xfILj3H5C0tVO76fdUhx1/4MVVbqWKVERpQUg66s 9aKM93k5xeqA
6xSDxgsseJSe7bAykLQ0jmvWuMnyjYMrHyIFTUwo/fPLZ2p7O8yMCgLPB/tL FVrZsCsU++sl
vAmzvlEkwYMUXSjOuDcN5laNDZCbLYyYtxRtmdXI3fHlyYw2FV9o+m2lZW+P kD1XY8iSsgll
kHZOOC9RiUqG+FI7Iz4ycKm6pjeZjRVNZ+l4LLZJi4cqzbTmUJw1MgQ5Eder qwQsKaJa/UF0
6ulbx0ssmdPsQGGCbMFg2NHVPhKYX7SR5Bnr6baJs4lxIMnro0fEldN6jW1l 7VZIpc6VRB7q
qtG3tpxAjmmKI8B0BVGzMQ4xAxrLKbqbuWZc/J4D79PMml8M1BHszlboxZqB loGEzAfu0W2k
G6RUH/CEWG82S1IU+o33IA5aJB0gv+lgrXmtiFOdRdsI/BpJIW8V5ifyTZ6l blblcLbx9fnQ
XBY7GoHx1ZDxoupDO3apld9oyZfElgrU3W+JPvR4GCL+o8bB32RcPAiRdnT6

bXBsoH7oRkEODjXd1p/fvDpcY7VMQwtsYJNDqdLfcOuTPhGYl2YatETAiW1U AAivhLOEAD53
luh0k3dmuilBhqngGfLRN7yAFh0XaZVMBCqAM2b/Y8WjgOySY6m3wWWeNoqf

U4grKSoDFtRYL3K9Ti2EIGKA63FfaUigtHlqfzp7vj4pjob+GzvKBe2qCtMC xgOPLFhF9K6F
BrPtmo3GLc+ZnW+/iPLoTgGLD+EBFvKW9f/yh/r/Bf6fEDCzAZk4udjbmjz Q/wXvvPDFWVu
ZHN0cmVhbO0KZW5kb2JqDQp4cmVmDQowIDE2DQowMDAwMDAwMDAwIDY1NTM1

MDQyODggMDAwMDAgbg0KMDAwMDAwNDA1NCAwMDAwMCBuDQowMDAwMDA0NTIx
IDAwMDAwIG4N

MDAwIG4NCjAwMDAwMDQxNTggMDAwMDAgbg0KMDAwMDAwNDM4NiAwMDAwMCBu
DQowMDAwMDA0

MDAwMDA0NzQ3IDAwMDAwIG4NCjAwMDAwMDQ5NDYgMDAwMDAgbg0KMDAwMDAw
NTg5NyAwMDAw

MCBuDQowMDAwMDA2MzI0IDAuMDAwIG4NCnRyYWlsZXINCjw8DQovU2I6ZSAx
Ng0KL1Jvb3Qg

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-
>>> 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

>>>

>>>

>>>

>>

>

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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>>>>>
>>>>>Neil
>>>>>
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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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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

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>> Neil
>>
>>
>>
>

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

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>>>>Neil
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>>>>
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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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