
Subject: MECs show 2 different sample rates
Posted by [JohnG](#) on Sun, 18 Oct 2015 23:53:17 GMT
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Hello All,
When I start up my paris system my master mec sample rate indicator is on 44 and my 2nd MEC indicator is on 48. With no project open. When I open a project, stays that way.

I have a 2 mec system running off a windows xp machine, with a 8 in card in each mec.

I have tried running a BNC cable from mec a to B (clock out of A and into B, and vice versa), and no cable.

The sync mode on both mecs says "Internal".

This doesn't seem right. Can anyone tell me if this is acceptable and if not , how to correct it.

I honestly don't know how long its been that way, but I can play back a current project and everything sounds ok. However I can't get a channel in mix 2 (mec 2) to pass audio for recording (I can arm the track with the record button, have a signal light on the mec but nothing on the channel meter an no sound-I double checked the patch bay connections and it works for mec A).

Any help/thoughts would be appreciated.
Thanks!
John

Subject: Re: MECs show 2 different sample rates
Posted by [kerryg](#) on Mon, 19 Oct 2015 01:24:06 GMT
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[Edited to add: sorry, that was bad advice, someone else correctly pointed out that UseHouseSync=1 is just for external clock so you'll have to make sure it's set to UseHouseSync=0 instead]

This'll give you more info - <http://www.kerrygalloway.com/WikiPARIS/wikka.php?wakka=UseHouseSync>

Subject: Re: MECs show 2 different sample rates
Posted by [JohnG](#) on Mon, 19 Oct 2015 03:04:12 GMT
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Wow,
Thanks for the quick response.
I did change housesync to 1 and also created a default ppj set to 48.

I rebooted and I could record in mec 2 8 in into the submix 2.

When I opened the project, however, only mec 1 sample rate indicator changed to 44. mec 2 indicator light stayed on 48. Does that matter?

Also, I have a cable connecting the word clock out of mec 1 to the word clock in of mec 2. Is that correct/ok and or required?

Thanks again for your quick and helpful responses.

You know this system so well.

John

Subject: Re: MECs show 2 different sample rates
Posted by [Kim W.](#) on Mon, 19 Oct 2015 03:55:07 GMT

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John.

You are correct in connecting the word clocks together.

As far as one MEC showing 44.1, and one 48k, that's an anomaly that has always existed. Ignore it.

Kim

Subject: Re: MECs show 2 different sample rates
Posted by [JeffH](#) on Mon, 19 Oct 2015 03:56:11 GMT

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John,

I don't know if it will address your issue or not, but I believe this is the proper config if you are not using an external word clock:

Mec A WC In : Terminator
Mec A WC Out: Mec B WC In
Mec B WC Out: Terminator

Paris.cfg

UseHouseSync=0 (the 1 value is if you are using an external word clock)

Hope this helps,

JH

Subject: Re: MECs show 2 different sample rates
Posted by [Kim W.](#) on Mon, 19 Oct 2015 03:59:49 GMT
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Wow.

I wasn't aware of the need for terminators. I've been using two mecs for years without issue. Thanks for the heads up though, Jeff.
Kim

Subject: Re: MECs show 2 different sample rates
Posted by [JeffH](#) on Mon, 19 Oct 2015 04:37:42 GMT
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I remember reading about ensuring both ends of a clock signal were terminated years ago. Just always have put it into practice and haven't seemed to have issues (Currently running a 6 card system with an old p4, but implementing a i7 laptop setup in the next couple weeks).

Subject: Re: MECs show 2 different sample rates
Posted by [JohnG](#) on Tue, 20 Oct 2015 00:03:44 GMT
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Thanks for the responses everyone.

OK so the fact that my second mec shows 48 even though the project is set to 44 is a known issue?

I will reset to usehousesync=0 since I don't have a word clock.

Sorry to say but I don't know what a word clock terminator is.

Is it just a connector that goes on the unused clock connectors? Do I want the 75 ohm variety?

Thanks again!
John

Subject: Re: MECs show 2 different sample rates
Posted by [JeffH](#) on Tue, 20 Oct 2015 16:58:48 GMT
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John, that is correct. A 75 ohm terminator.

Jeff

Subject: Re: MECs show 2 different sample rates
Posted by [JohnG](#) on Wed, 21 Oct 2015 01:11:57 GMT

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Thanks much Jeff and Everyone.
