
Subject: Adat card and sync issues

Posted by [Michael Lunser](#) on Sun, 02 Mar 2008 20:35:14 GMT

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Can anyone educate me on the EDS ADAT card?

I'm want to sync Paris with a Digi 002 rack in order to transfer from Digi design into paris.

1st.

The ADAT connection should provide for synchronization of the machines right? (clock signal)

2nd.

In the Paris mannual it says to use digital clock source when recording or playing back non 44.1 and non 48khz sample rates. What does that mean? There are no other sample rates.

Also, some one said in a thread (so what if it's only 20 bit)

Was he talking about the ADAT card? Does the card transfer 24 bit files

At 44.1 or 48k?

Subject: Re: Adat card and sync issues

Posted by [AlexPlasko](#) on Sun, 02 Mar 2008 22:59:47 GMT

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hi Michael. I'll give it a try.

1st

YES!.clock signal is inherent .unless you have a wordclock generator ,slave Paris to the 002

2nd

clock rates are variable. what they are saying is in order for the source samples to line up properly ,the clock of the source and destination must align.this prevents errors on the read cycle so each word gets read at the right time thereby ensuring the correct word value.

jitter and worse are the result of bad clock mojo.

what they are saying is to use an external wordlock generator for all machines in the chain, so they are all running in sync

3rd

the spdif and analog connectors on the mec are 20 bit.I'm almost positive all daughter cards for the mec are 24 bit .I had multiple adat cards in one of my mecs,one of which was dedicated to a TC finalizer,which was passing 24 bits.

"Michael" <michael@stonesoupaudio.com> wrote in message news:47cb0172\$1@linux...

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Subject: Re: Adat card and sync issues
Posted by [Aaron Allen](#) on Mon, 03 Mar 2008 01:11:49 GMT
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news:47cb0172\$1@linux...

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> (clock signal)

In the project window AFTER you have plugged the adat pipes in, set the sync
for ADAT. Note, this does not have anything to do with the transport (FF,
Rew, Play, Stop) and only syncs up the digital words.

> 2nd.
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> playing back non 44.1 and non 48khz sample rates. What does that mean?
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Do what I have above, and it will be sync'd. however, don't save your PPJ with sync as ADAT unless you are 100% positive you will always have the ProTools sync at the adat In before starting the project.

> Also, some one said in a thread (so what if it's only 20 bit)
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> At 44.1 or 48k?

The 8 In and 8 Out MEC cards are 24 bit. The Adat card is 20 bit. The S/PDIF on the MEC is 24 bit, but S/PDIF on a 442 is 20 bit. IF-2's are 20 bit. the MEC analog I/O's are also 20 bit. ALL inputs are capable of 24 bit file recording, however any that are 20 bit interfaces will only record 20 of the 24 bit file write.

Make sense?

AA

Subject: Re: Adat card and sync issues
Posted by [AlexPlasko](#) on Mon, 03 Mar 2008 02:14:46 GMT
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Michael.....is there any way to convert the 002 files to wav files? even if you recorded in the 002 at less than 24 bit(allowing transfers via the Paris adat card), if you are transferring over 8 tracks without the 9 pin adat machine control, you cant start and stop the transfers at the same location on the timeline,making it difficult to align subsequent passes.

"Aaron Allen" <know-spam@not_here.dude> wrote in message
news:47cb536a\$1@linux...

> "Michael" <michael@stonesouppaudio.com> wrote in message
> news:47cb0172\$1@linux...

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Subject: Re: Adat card and sync issues

Posted by [Deej \[5\]](#) on Mon, 03 Mar 2008 02:25:34 GMT

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Are you talking about timeline sync so that both machines run locked up to a common sync source? If so, you're not going to be able to do it unless the Digi 002 has a sync input. The Paris ADAT module only outputs ADAT sync so it will have to be the master clock, inputting to an ADAT sync port on the 002. If the 002 doesn't have an ADAT sync input port, forget it.

"Michael" <michael@stonesoupaudio.com> wrote in message
news:47cb0172\$1@linux...

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Subject: Re: Adat card and sync issues

Posted by [AlexPlasko](#) on Mon, 03 Mar 2008 03:56:36 GMT

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exactly what I was thinking deej.

unless it is 8 tracks or less at 16 bit, forget it otherwise.

do the convert file shuffle thing.or maybe a test tone at the same point on every track and align them in Paris with sample slide.what else is there?

"Mr. Simplicity" <noway@jose.net> wrote in message news:47cb64b5\$1@linux...

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Posted by [Aaron Allen](#) on Mon, 03 Mar 2008 04:12:31 GMT

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Stripwav. PT (and pretty much any other newer PC DAW at this point) will write a Broadcast WAV.. Paris doesn't know what to do with that newer header info.

And I agree with given the current info, a network cable(s)/switch will be a lot faster and easier IMO to deal with. Just render each track out to a folder, stripwav, then stuff 'em in Paris and play back. Alternatively, one could burn a CD/DVD of that info and stripwav it off the CD/DVD into a Paris folder.

<http://www.brothersoft.com/stripwav-6360.html>

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"alex plasko" <alex.plasko@snet.net> wrote in message
news:47cb7a0c\$1@linux...

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