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Subject: multiple 2882's without 'Aggregate Device' possible for DAWs ?

Posted by [iason](#) on Tue, 06 Feb 2018 12:29:29 GMT

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Hi

I have 2 x 2882's and have connected them (daisy chained) and all works.... ish... For Logic I use Aggregate Device, but that's pretty buggy and not very stable. Is there a way to have them work as 1 big interface in Logic, without the Aggregate Device route ?

best  
iason

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?

Posted by [jon](#) on Tue, 06 Feb 2018 15:49:02 GMT

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If you have two 2882's, to avoid using an aggregate device, route the analog inputs on box 2 directly to ADAT outputs 1-8. Connect ADAT out from box 2 to ADAT in from box 1. From here you will be able to mix and record all 16 inputs from box 1 (8 analog, 8 ADAT).

You will still need to clock the two units together via word clock, ADAT, AES or SPDIF.

Best regards,

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?

Posted by [iason](#) on Tue, 06 Feb 2018 16:05:08 GMT

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Thanks did what you aksed, but I seem to have no luck :( I've attached a screengrab (green is 2nd 288e), could you have a look what I'm doing wrong?

Apart from the input routing you suggested I also need to use all 16 outputs.. how would that work?

To be clear: I don't need to mix in MIO, I'm doing everything from Logic. So it's just about getting those 16 in and out of logic....

Big thanks for the quick help btw[

#### File Attachments

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1) [Screen Shot 2018-02-06 at 16.58.38.png](#), downloaded 1910 times

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?

Posted by [jon](#) on Tue, 06 Feb 2018 16:19:39 GMT

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To get output as well as input, you will need ADAT cables going in both directions between the two boxes.

Without the aggregate device, you will not be able to use DAW channels on box 2 because box 2 will no longer be present to Logic. Instead of routing the DAW channels on that box to Analog, remove that setting and place it on the ADAT channels instead. The rest of your setup looks good -- DAW 9-16 routes to ADAT 1-8, which should reach box 2 on ADAT inputs 1-8 if the cables are going both ways. From there ADAT can route to analog and that should do it.

Best regards,

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?

Posted by [iason](#) on Wed, 07 Feb 2018 13:22:20 GMT

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Thanks for all the help.

ADAT is now plugged in both ways. Weirdly it doesn't seem to work - see attachments.

Inputs on BOX 2: analogue inputs are direct out routed to ADAT 1/8, but they don't show up at BOX 1 ADAT channels 1/8

Outputs on BOX 2: On BOX 1 DAW 7 tm 16 are direct out routed to ADAT 1/8 and on BOX 2 ADAT 1/8 is direct out routed to Analogue 1/8. However also here signal doesn't arrive at ADAT 1/8 on box2

I do get this this error message I attached when starting up MIO, dunno if it has something to do with it?

best & tnx again

iason

### File Attachments

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1) [Screen Shot 2018-02-07 at 14.09.50.png](#), downloaded 1947 times

2) [Screen Shot 2018-02-07 at 14.14.40.png](#), downloaded 1889 times

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?

Posted by [jon](#) on Wed, 07 Feb 2018 15:37:07 GMT

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The dialog means that part of your configuration includes a box/serial number that is not connected to the computer. Check the I/O Control pane in the MIO Console window and look for the box tabs toward the top of the window. Click on any tab to show a drop down menu and choose "Forget All Offline Boxes and Delete From Mixer". This should leave you with tabs for your two-box system. Confirm that none of the strips you were looking for audio to show up on weren't from the ghost box - if they got deleted, reconfigure them on the correct box.

Also in the I/O Control pane, in the Digital metering section, make sure you have it set to ADAT and not Toslink for both input and output on both boxes.

Be sure to re-save your document. That should allow you to avoid seeing the remap dialog as long as the two boxes in the file you saved are the two boxes connected to the computer.

Best regards,

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?  
Posted by [iason](#) on Wed, 07 Feb 2018 15:53:13 GMT

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Done all that.

Still the same issue, both in and out doesn't work from the 2nd box.

I've attached the MIO mixer, as well as the I/O control panel for both boxes (4117 is BOX 1, and 4634 is BOX 2)

Do you see any mistakes I made?

#### File Attachments

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- 1) [Screen Shot 2018-02-07 at 16.50.19.png](#), downloaded 1919 times
  - 2) [Screen Shot 2018-02-07 at 16.50.31.png](#), downloaded 1938 times
  - 3) [Screen Shot 2018-02-07 at 16.50.37.png](#), downloaded 1956 times
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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?  
Posted by [jon](#) on Wed, 07 Feb 2018 16:22:19 GMT

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Box 2 is not locked - the Sys Lock light says it's unlocked. This will need to be locked. For some reason it is not recovering clock over ADAT from box 1. You could try a different ADAT cable. You could also try connecting a word clock, SPDIF or AES cable from box 1 to box 2, change the box 2 clock source to WC or DigIn accordingly and see if that will get the Sys Lock LED to turn on.

Best regards,

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?  
Posted by [iason](#) on Wed, 07 Feb 2018 16:30:10 GMT  
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done, used a word clock cable and now both are locked again.

Still same issue on the mixer though with my box 2 i/o ..... :(

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?  
Posted by [iason](#) on Wed, 07 Feb 2018 16:31:13 GMT  
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Don't know if that could be the issue but bought two new regular optical cables for the ADAT connections  
<https://www.kabelstore.nl/product/608664/veripart-optische-kabel-1-meter-zwart.html>

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?  
Posted by [bj](#) on Wed, 07 Feb 2018 16:39:30 GMT  
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Are you sure that you have ADAT out hooked to ADAT in?

Can you post a picture of the ADAT cable connections?

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?  
Posted by [iason](#) on Wed, 07 Feb 2018 16:46:34 GMT  
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Yup that looks good.

Attached a crappy picture from under a desk, but I'm holding one optical cable up (that goes from out to in)

This is getting personal !!

#### File Attachments

1) [IMG\\_4367.JPG](#), downloaded 1995 times

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?  
Posted by [jon](#) on Wed, 07 Feb 2018 17:41:53 GMT

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One test to try would be to connect a single ADAT cable from output back to input on a single box. Run audio out of the ADAT output and see if it comes back to the ADAT input. You can mute the ADAT inputs to avoid a feedback loop. Does the audio come back in to be metered on the ADAT input? Try it with the clock source set to Internal. Try for both units.

Best regards,

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?  
Posted by [iason](#) on Thu, 08 Feb 2018 08:57:24 GMT

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Tried that, adat out hooked to it's own box adat in and doesn't seem to arrive on either of the boxes.

Just to make sure I'm doing it correctly I made a screengrab, showing where I routed it to directed out, and an arrow where I expected it to return

So I'm either doing something very basic wrong. Or it's the cables. However they're both new. Did go for relatively cheap optical cables - or do you need a specific type optical cable for ADAT?

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### File Attachments

1) [1.jpg](#), downloaded 1989 times

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?  
Posted by [jon](#) on Thu, 08 Feb 2018 18:34:27 GMT

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Strange that both boxes would not loop back. Keep in mind that the ADAT input strip will need to be routed to a bus to get meters (that looks to be the case in your screen shot). If possible you may want to try a different brand of ADAT optical cable. We do not have a particular recommendation and ordinarily would expect the standard cheap cable to work.

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?  
Posted by [iason](#) on Sat, 10 Feb 2018 13:49:17 GMT

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bought a new hi-quality one - still no luck :(

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?  
Posted by [bj](#) on Mon, 12 Feb 2018 22:38:58 GMT

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Did you get these boxes as 2d, or did you upgrade them yourself?

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Subject: Re: multiple 2882's without 'Aggregate Device' possible for DAWs ?  
Posted by [iason](#) on Tue, 13 Feb 2018 09:07:49 GMT

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I bought them like this, 2nd hand/occasion - so it's hard to tell.  
They both have the expanded 2d logo on the front.

You think something could be wrong with one of the ADAT modules? If I try to do clock over ADAT it doesn't lock, while over wordclock cable it does

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