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Subject: Error 18/12

Posted by [danielcornelius](#) on Sat, 04 Jul 2015 15:08:46 GMT

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The Error 18/12 comes very often this days at my 3 Mec System.  
Someone knows how to debug it ?  
What is my Problem ?

Window appears with this message :  
Error in initializing Paris Engine. Error code 18/12

Cannot find something in ParisWiki. I have open up a ParisWiki column with error 18/12.

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Subject: Re: Error 18/12

Posted by [danielcornelius](#) on Tue, 07 Jul 2015 17:59:29 GMT

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The most of you are in Holidays ?  
First thing i tried to check the Powersupply unit.  
PSU is OK, same Error.  
I have check and reseted all cables and EDS cards, but nothing happend.

Someone know another what i can do ?

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Subject: Re: Error 18/12

Posted by [Will The Weirdo](#) on Thu, 09 Jul 2015 01:34:44 GMT

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As a long time PARIS user I'm a pro at troubleshooting PARIS. These are the steps I would take.

1. Reload PARIS software.
  2. Remove all your EDS cards, use an eraser and clean the card connectors.
  3. Start with one card only and get PARIS back running, adding one card back at time if it runs. If the one card does not run, switch cards, you could have a bad EDS. The key is to simplify your setup here, just get PARIS running again, then slowly rebuild your setup until the problem resurfaces, leading you to the issue.
  4. After this, if PARIS will not run 1 card, I start looking at the computer..... pray you get it working before this step.
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Subject: Re: Error 18/12

Posted by [danielcornelius](#) on Thu, 09 Jul 2015 14:45:14 GMT

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I have checked the EDS Cards now. They are still alive in one card system. I believe its a damaged ribbon, that cause the problem ?

Any eraser or a special eraser ?  
The EDS Contacts are not golden ?

@Will  
Thx for fast replay !

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Subject: Re: Error 18/12  
Posted by [kerryg](#) on Thu, 09 Jul 2015 22:03:31 GMT  
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Any eraser should work - old fashioned light-grey or white typewriter erasers are particularly good because they have a mild abrasive grit embedded in them - just clean gently and be careful not to leave crumbs of eraser on the card. Also electrical contact cleaner like CAIG Deoxit can be handy for this sort of cleaning.

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Subject: Re: Error 18/12  
Posted by [Kim W.](#) on Fri, 10 Jul 2015 05:02:00 GMT  
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Here's a thought.  
Check for correct orientation of all connectors.  
I remember when installing my four cards, on some of the ribbon connectors on the actual EDS cards, the bottom row of pins sit very close to the actual pc board. It was very easy to plug the ribbon connectors on the top row only, leaving one row completely unconnected. Happened to me a number of times, but didn't do any damage.

Something to check.

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Subject: Re: Error 18/12  
Posted by [danielcornelius](#) on Fri, 10 Jul 2015 16:58:54 GMT  
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Thank you all. I will try it tomorrow !  
Another question :  
Why are the EDS cards in a three card system very hot ?  
They are so hot, that i can cooking eggs on it, i believe...

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Subject: Re: Error 18/12

Posted by [kerryg](#) on Fri, 10 Jul 2015 17:24:07 GMT

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They run hot, and in hot weather can't efficiently shed that heat into the surrounding air. The good news is that a ton of these have been operated in hot locations and very few seem to have failed, so they seem to be pretty robust - it's just that performance issues (crashes etc) will show up when they can't shed that heat.

Three basic parts to proper cooling:

1) the chips themselves can be cooled by putting heatsinks on them (cheap at your local computer supply place) with proper thermal paste (thanks for that idea, Dimitrios!)

2) then that heat from the chips needs to be guided out of the computer and replaced by cooler air - make sure your air intakes aren't blocked by anything and that the fans are working well, consider adding an additional fan (also dirt cheap at the same supply place)

3) then that heat that's been removed from the computer itself needs to be guided away and replaced by cooler air - make sure your computer is in a well-ventilated area (I use the computer's own power supply and a couple of longer cables to power a couple of fans outside the case that ventilate the "machine room"; they go on when the computer does, and they're virtually silent). I also have a small bathroom fan above the computer to extract the hot air from the top of the machine room; the intake fans draw their air from a cool shady spot at ground level.

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Subject: Re: Error 18/12

Posted by [danielcornelius](#) on Sun, 12 Jul 2015 09:47:09 GMT

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Thank you all, but i didn't get it o work now.

I have to buy new ribbons, perhaps a ribbon is damaged.

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Subject: Re: Error 18/12

Posted by [Richard Kelley](#) on Sun, 12 Jul 2015 16:58:37 GMT

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When you installed eds cables, did you make sure that all the pins line up with the cable end. If one of those pesky pins doesn't make it in the cable connector it will whack everything out. I know this because I have done it once or twice, it is very easy for a pin to get bent and not go into the connector but just slide by. Very hard to see because as you know they are pretty tiny ! Just something to think about, Good Luck! Paris still rocks Mike and Kerry have made it better !

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Subject: Re: Error 18/12

Posted by [danielcornelius](#) on Fri, 24 Jul 2015 15:59:08 GMT

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I have checked all SCSI Cables EDS Cards and Mecs as a one Card System. They all are working right. But if i try to use a two card system, Paris says no MEC is connected. But there is one connected and it shows the 48kHz LED for example at both at startup/booting. I have changed the ribbon too.

What can i do ?

Should i sell the most and buy UAD Apollo or something ?

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Subject: Re: Error 18/12

Posted by [JeffH](#) on Sat, 25 Jul 2015 03:23:53 GMT

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Dan,

A couple of thoughts:

-Are you using a word clock? More than 2 mecs it should definitely be used and each MEC should be directly connected to the word clock, with a terminator on the mec as well.

-Have you tried using one mec connected to the first card and no no other interface connected to a second EDS? Go ahead and boot Paris and see if the issue comes up?

-Can you upload a pic of your cable config on the eds cards?

I have a UAD apollo running Pro Tools. It is a great setup but still prefer Paris for analog recording. The "rules" in Pro Tools drive me nuts(i.e. avoid yellow AND red).

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Subject: Re: Error 18/12

Posted by [danielcornelius](#) on Sun, 26 Jul 2015 14:09:28 GMT

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I have mimimized my system to 2 eds cards. Now Paris Erro Window shows message : "Error initializing Paris Engine.No Interface was connected to the master card. Please make sure the cable is firmly connected an re-launsch Paris"

I have connect the ribbons on card shown on uploaded foto.

16pin to 16pin (C) stripe left and two  
20 pin to 20 pin (A & B)

C--C (Clock)

A--B (IO)

B--A (IO)

It works for a long time. But now there is nothing. I have checked SCSI with mecs as 1one card System. Runs everyone . But in 2 or 3 Card system i get a lot of Error 1/1 7/7 18/12 and it says the one i write here on the top now.

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## File Attachments

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1) [111\\_paris\\_2eds system.jpg](#), downloaded 182 times



Subject: Re: Error 18/12  
Posted by [Wayne](#) on Sun, 26 Jul 2015 18:05:58 GMT  
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Reviewing you pic.

The small clock ribbon cable might be the problem. Red stripe should be on the left just like the data cables. Also, I believe the cards should be in adjacent PCI slots but I could be wrong. Lastly, I always connect the EDS cable to PCI/EDS number one (submix A on PCI slot 1) and make all my changes to subsequent submixes (submix B, C, etc) via the global submixer.

Wayne

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Subject: Re: Error 18/12  
Posted by [JeffH](#) on Sun, 26 Jul 2015 21:49:37 GMT  
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Dan,

I'd use one MEC temporarily, shut down and connect to one card then boot and see what errors appear. Then I'd shut down and repeat with the mec connected to the other card.

If you are not using an external word clock, make sure UseHouseSync is set to 0 in you paris.cfg

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Subject: Re: Error 18/12  
Posted by [danielcornelius](#) on Mon, 27 Jul 2015 14:30:54 GMT  
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Hi JeffH,

Housesync, that was it !

@all

Thank you so much for troubleshooting.

@ Wayne,

the ribbons was not the problem.

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Subject: Re: Error 18/12  
Posted by [danielcornelius](#) on Mon, 27 Jul 2015 15:39:21 GMT  
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One EDS is damaged in 3 Card system. 2 Cards run but 3 Cards d'ont run. if i use 3 Card system Error 2/2 appears.

I have checked the mec on the other card, everyone seems allright. I have checked the MB PCI Ports with damaged card too. On each the Error 2/2 appears too. if i use one health card, the Ports are working fine with EDS Card.

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Subject: Re: Error 18/12

Posted by [JeffH](#) on Tue, 28 Jul 2015 05:00:01 GMT

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Daniel,

How are your external word clock connections on the mecs wired?

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Subject: Re: Error 18/12

Posted by [danielcornelius](#) on Tue, 28 Jul 2015 14:57:45 GMT

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I have a T-Cross at Mec A (Wordclock out) and exatly the same length of BNC Cable to MEC B ( Wordclock in) and MEC C ( Wordclock in ).

I believed at first it makes a difference to take 50 Ohm or 75 Ohm for BNC cable, but that wasn't it.

The seconed one i try,was to connect the same MEC on same PCI Port with the differnet EDS Cards. One card works the other one not.

In my logic is this a EDS card, that have the issue in its circuits.

Dan

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Subject: Re: Error 18/12

Posted by [JeffH](#) on Tue, 28 Jul 2015 17:15:41 GMT

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Never connected three devices without a word clock. I would also try mec a to mec b. Mec B to mec C. 75ohm terminators on mec a and Mec C. Terminators make a difference.

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Subject: Re: Error 18/12

Posted by [danielcornelius](#) on Tue, 28 Jul 2015 17:52:45 GMT

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Tomorrow i will get a EDS card from a friend to check out if my card is damaged. I will let you



know if what is going on.

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Subject: Re: Error 18/12  
Posted by [kerryg](#) on Tue, 28 Jul 2015 20:56:55 GMT  
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Quote:Terminators make a difference.

Just ask John Connor...

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Subject: Re: Error 18/12  
Posted by [dnafe](#) on Wed, 29 Jul 2015 11:16:46 GMT  
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kerryg wrote on Tue, 28 July 2015 16:56Quote:Terminators make a difference.

Just ask John Connor...

BAD!

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Subject: Re: Error 18/12  
Posted by [danielcornelius](#) on Wed, 29 Jul 2015 18:00:40 GMT  
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Hi !

Ok, i have changed the damaged card and now Paris starts without problems. I have problems with hearing of 48 channels song now.

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Subject: Re: Error 18/12  
Posted by [kerryg](#) on Wed, 29 Jul 2015 23:54:16 GMT  
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Excellent! If you can't salvage the card, might I recommend sending it to Doug Wellington, who's doing interesting things reverse engineering them? It might lead to cool things down the road.

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Subject: Re: Error 18/12  
Posted by [danielcornelius](#) on Fri, 31 Jul 2015 15:27:02 GMT  
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The Reason for not working synchronization, the bnc cable wasn't connected from MEC OUT to nect MEC IN. It was connected from T-Cross Mec a to Mec B and C. MEC is Master.

@Kerry,

i am using my old EDS as an spare part EDS. sry

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Subject: Re: Error 18/12  
Posted by [JeffH](#) on Fri, 31 Jul 2015 20:22:17 GMT  
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Daniel,

Glad it is working now. "Spank it like a rented donkey"

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Subject: Re: Error 18/12  
Posted by [danielcornelius](#) on Sat, 01 Aug 2015 10:33:10 GMT  
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THX @all for troubleshooting. Great forum, i will stay here

@jeffH

it should be....

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Subject: Re: Error 18/12  
Posted by [kerryg](#) on Sat, 01 Aug 2015 19:54:37 GMT  
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No problem if you've still got a use for it - that's just where broken cards can go nowadays to avoid the landfill and still serve a useful purpose. So glad you got the issue resolved!

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