
Subject: Using 2 x Magma chassis' in one DAW
Posted by [Deej \[1\]](#) on Sat, 10 Jun 2006 05:20:20 GMT
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In my ongoing quest to get this 3 x RME card/4 UAD-1 card DAW happening without the occasional crash or crackling in the audio, I am experimenting with 2nd Magma chassis (a 7 slot unit) All of my UAD-1 cards are in the 13 slot chassis and all occupy IRQ 19 with the host card in mobo PCI slot #4. I have been able to get my two HDSP 9652's on IRQ 17 & 18 by putting them in the 7 slot Magma with the host card in mobo PCI slot #3.

Adding the Multiface PCI card to this chassis scrambles the IRQ assignments to the point that either one of the HDSP RME cards is on IRQ 16 with the video card and/or one of the cards is sharing an IREQ with the UAD-1 cards.....both bad scenarios. However, putting both HDSP cards in slots 1 & 2 of the 7 slot Magma and my Multiface PCI in slot #2 of the mobo has allowed the RME cards to live on IRQ's 17 and 18, the UAD-1 cards to occupy IRQ 19 and the video card to occupy IRQ 16. The DAW has been running for over an hour in playback mode without crashing. Tomorrow I'll be stressing it big time to see if the crackling in the audio is resolved. If I'm successful, I'll have pushed this system about as far as this architecture can go I think.

Though it appears that the 7 slot Magma may have solved my problem, in a way it's sort of disappointing. I was expecting a friendlier IRQ assignment scenario. I recently sold a 7 slot SBS chassis because after getting the 13 slot Magma and having good luck with it, I figured the Magma's were just a better product. Now I have my doubts. I think the 7 slot SBS chassis was at least as friendly as the 7 slot Magma, and perhaps moreso. My previous experience with the SBS leads me to believe that I might have been more successful with it in my current scenario than with the Magma.

Anyway.....it's hard to say and if my testing tomorrow goes well, I'll be settling into mix mode. I've got a lot to do here.

I do have another dual core CPU and video card on order right now and a Gigabyte NForce 3 mobo. This mobo is also supposed to be friendly with UAD-1 cards. I'll probably be building another system with this. For what exactly, I'm not quite sure. If my current system is stable tomorrow, I'll be leaving it be, most likely.....yeah.....right!!!.....Hey.....if someone wants to loan me an EDS card, 442 and C-16, I might bench this thing and see if I can get Paris working with a dual core CPU.

That might be a worth while experiment.

;o)

Subject: Re: Using 2 x Magma chassis' in one DAW

Posted by [rick](#) on Sat, 10 Jun 2006 10:22:00 GMT

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i could do a couple of cards and a controller but not the 442. lemmie know.

On Fri, 9 Jun 2006 23:20:20 -0600, "DJ"

<animix_spam-this-ahole_@animas.net> wrote:

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Subject: Re: Using 2 x Magma chassis' in one DAW
Posted by [Deej \[1\]](#) on Sat, 10 Jun 2006 14:11:31 GMT
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I'll keep you posted on this. Don't need them right now. I've got a lot of catching up to do workload wise. If things don't work out as I hope they will today, I'll probably need this second system to use with Steiny system link. Not the most optimal situation for me, but if system link actually works as advertised, it's one that should work if it comes down to it. Also there's another option. since I am clocking my Cubase rig with Paris ADAT, this provides not only a common clock reference, but sample accurate timelines as well.....sooooo..... just putting the Multiface PCI in the second DAW and slaving it to ADAT sync from Paris should lock up all three computers anyway without even needing system link. Hopefully I can keep everything in one DAW though. It's a lot less hassle this way and I would need to buy another UAD-1 and another copy of Cubase for the 2nd DAW in order to use it the way I want.

There is a utility being used by some folks on the uaD forum that seems to be solving some compatibility issues between the NForce 4 chipset and the UAD-1 card. It applies a filter to the system that relegates the the UAD-1 top only one of the CPU cores. If this same thing could be made to happen somehow with the Paris instructions for the C-16, it might allow use of the dual core processors with a Paris system. This might also involve some tweaking of the Paris .cfg file and who know what else. I can sorta envision a mushroom cloud at some point.

I'm getting ready for the coffee infusion and will be strapping on my flak jacket and crash helmet for the final testing this of the duallie Magma thing this morning. If it don't show up again by around 3:00 PM, go ahead and call the cops..

;oD

"rick" <parnell68@hotmail.com> wrote in message
news:s8718259nr61ii4ceat90a82a1ca4js5db@4ax.com...

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Subject: Re: Using 2 x Magma chassis' in one DAW

Posted by [rick](#) on Sat, 10 Jun 2006 17:45:34 GMT

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i'm gonna have to pass on the cops thing...i'm sure they'll think i'm turning myself in for something and haul my ass out of here.

On Sat, 10 Jun 2006 08:11:31 -0600, "DJ"
<animix_spam-this-ahole_@animas.net> wrote:

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Subject: Re: Using 2 x Magma chassis' in one DAW

Posted by [OIIU](#) on Sat, 10 Jun 2006 17:55:35 GMT

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"DJ" <animix_spam-this-ahole_@animas.net> wrote:

>I think the 7 slot SBS chassis was at
>least as friendly as the 7 slot Magma, and perhaps moreso. My previous
>experience with the SBS leads me to believe that I might have been more
>successful with it in my current scenario than with the Magma.

Not having ever used an expansion chassis, I am ignorant about that of which you speak... why would there be a difference between a 7-slot of one brand vs. a 7-slot of another? Is it the drivers? Is it the hardware? A combination thereof?

Neil

Subject: Re: Using 2 x Magma chassis' in one DAW

Posted by [rick](#) on Sat, 10 Jun 2006 20:43:29 GMT

neil,

there's a diff between the same product made 15 minutes apart which is why BT had great success and the rest of us kiss booty to this day.

On 11 Jun 2006 03:55:35 +1000, "Neil" <OIIU@OIU.com> wrote:

>

>"DJ" <animix_spam-this-ahole_@animas.net> wrote:

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>>least as friendly as the 7 slot Magma, and perhaps moreso. My previous

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>Neil

Subject: Re: Using 2 x Magma chassis' in one DAW

Posted by [Deej \[1\]](#) on Mon, 12 Jun 2006 00:14:20 GMT

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I was having lots of problems with it last night until Crashbasket told me what I was doing wrong. He's a really smart dog.

It's working now. I've got the 4 x UAD-1 cards on IRQ 19 and the 3 x RME cards on IRQ's 17 and 18 with the AGP on IRQ 16. The LAN controller is on IRQ 17 also and has to be disabled or the system freezes up, but that's a minor inconvenience compared to the stuff I've been dealing with. The AGP bus architecture along with the reduced PCI slots and the absolute *idiocy* of mobo manufacturers who insist on having two PCI slots hardwired to the VGA IRQ is really a bummer when you start getting into needing to use lots of PCI slots. I'm just glad I got it to work at all. I was starting to have my doubts if this would happen. It took two Magma's to get this to happen. I'm pretty much pushing the boundaries of this stuff now I guess and I have no real desire to push it any further. I'm running an XP 4200 dual core CPU right now and playing back a 32 track project in Cubase with a pretty substantial plugin load with the buffers set to 128k (3ms). No clicks, pops, distortion, crackling etc. as increase the track and plugin count. None at all. I feel like I've just dodged a potentially disastrous bullet. I've been depending on this to work and I've got a lot of time and \$\$\$ invested in it. Looks like it's gonna finally pay off.

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"DJ" <animix_spam-this-ahole_@animas.net> wrote in message
news:448a57d4@linux...

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Subject: Re: Using 2 x Magma chassis' in one DAW
Posted by [Martin Harrington](#) on Mon, 12 Jun 2006 05:23:44 GMT
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Now, LEAVE IT ALONE !!!

--

Martin Harrington
www.lendaneer-sound.com

"DJ" <animix_spam-this-ahole_@animas.net> wrote in message
news:448cb26e@linux...

> I was having lots of problems with it last night until Crashbasket told me
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Subject: Re: Using 2 x Magma chassis' in one DAW
Posted by [Neil](#) on Mon, 12 Jun 2006 05:34:14 GMT
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Yer kidding, right? No... next he'll try to hook up the
alternative power source mentioned in another thread, and then
he's REALLY screwed.

:)

"Martin Harrington" <lendan@bigpond.net.au> wrote:

>Now, LEAVE IT ALONE !!!

>--

>Martin Harrington

>www.lendaneer-sound.com

>

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>>> In my ongoing quest to get this 3 x RME card/4 UAD-1 card DAw happening
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>>> Adding the Multiface PCI card to this chassis scrambles the IRQ

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Subject: Re: Using 2 x Magma chassis' in one DAW
Posted by [rick](#) on Mon, 12 Jun 2006 09:04:02 GMT
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i can see the mushroom cloud as i type.

On 12 Jun 2006 15:34:14 +1000, "Neil" <OIUOIU@OIU.com> wrote:

>
>Yer kidding, right? No... next he'll try to hook up the
>alternative power source mentioned in another thread, and then
>he's REALLY screwed.
>
>:)
>
>
>"Martin Harrington" <lendan@bigpond.net.au> wrote:
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>>>I was having lots of problems with it last night until Crashbasket told
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Subject: Re: Using 2 x Magma chassis' in one DAW
Posted by [Deej \[1\]](#) on Mon, 12 Jun 2006 13:34:44 GMT
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well.....I'm having some mechanical issues with this 7 slot Magma (mains connector and host card cable are sometimes intermittent). I'm going to have to return it. It is good to know that this will work, though the 7 slot unit is a bit limited for my needs. Right now, 2 out of three of the RME cards are on IRQ 17-the card in the mobo is on IRQ 17 and one of the cards in the Magma chassis also. This means that with a 7 slot Magma, the best I can do is have only one PCI card on IRQ 18. This is less than optimal. It's a crapshoot but I really need to get all of the RME cards on IRQ 18 so I can have my LAN controller (IRQ 17) active. I have a sneaking suspicion that the next version of Cubase may have an audio over LAN capability, similar to FX Teleport (or I may just need to use FXT in the future) so I'm going to try it with a 13 slot Magma to see if I can get all of the RME cards on IRQ 18. The 13 slot Magmas have more IRQ options. Other than that, once I upgrade the CPU to a 4400 dualcore, I'll be leaving it alone.

;o)

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