
Subject: Digital Noise 2

Posted by [danielcornelius](#) on Sun, 01 Jul 2012 14:59:55 GMT

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The Digital Noise appears at startupsequenz of Computer when booting win XP.
I tried a lot, but i cannot stop Digital Noise. I located this digital Noise by Ensoiq Paris Sytem.
When i turned off Channels of Mixer (yamaha 03d) where Paris is connected the digital Noise disappears.

I approved following steps :

- Deinstall all Fans(pull of wires of mainboard).
- Deinstall 4 HDD Raid 0,1 System and Install SSD Raid System.
- Change Power Supply.
- Deinstall RME 9632 Audiointerface by Pull of card from mainboard.
- Deinstall UAD 2 SOLO by Pull of card from mainboard.
- latest Bios Update.
- Install 50\$ scherzo Driver.
- Run Paris 2.1

My Paris Setup is :

- EDS 1000 Card
- MEC
- 16C
- 8 Input Card
- 8 Output Card

OS Win XP SP 3 latest Updates.

Driver all latest Updates.

On Board Sound is off.

Used On Board Parallel Port, Lan, Grafic, USB, RAID Controller.

When i start the Parissoftware, Digital Noise will disappers. The Digital Noise appears at that moment if you do internal Routing for example: Routing of external Effects.

Example of my patchbarouting can see it the following Picture. It will appears , when i am routing over Mec Module A 8 Input Card or MEC Master (A/D)too.

It doesn't appears when digital routing by example SPDIF In/Out is used.

Patchbarouting when Digital Noise appears :

File Attachments

1) [Noise_Patchbay_Internal_Routing.bmp](#), downloaded 453 times

Subject: Re: Digital Noise 2

Posted by [danielcornelius](#) on Sun, 01 Jul 2012 17:40:32 GMT

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At the next step i have checked the USB Ports by shut down per bios. But the noise stays .
Is it possible that the EDS Card is damaged ?

I have disconnected the SCSI Plug(connectionwire between EDS 1000 an MEC) from EDS-Card
and the digital Noise stays !

Subject: Re: Digital Noise 2

Posted by [Wayne](#) on Mon, 02 Jul 2012 17:41:00 GMT

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I sometimes see very little noise at the bottom of a channel fader and the master. I can't hear it,
but I can see it. For me it usually comes from a reverb in the aux. That's all I've ever seen.

Subject: Re: Digital Noise 2

Posted by [inkycu](#) on Mon, 02 Jul 2012 20:21:13 GMT

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Might be a ground thing. If you are going between balanced and unbalanced connection you
might want to check you shield ground wire. Any connection could add noise. Next would be to
check AC ground.

I tried to use a digital cable from my Panasonic DAT to the Mec but also had noise...so I opted to
feed the signal to my Mic-Pre.

Subject: Re: Digital Noise 2

Posted by [danielcornelius](#) on Tue, 03 Jul 2012 14:53:26 GMT

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All connection are balanced at my setup. I discover another secret of the Digital world.

Let me explain :

I have got to motherboard of Asus. One wit triple core and the other with Quad core CPUs.
The newest board (quadcore) god a software wich calibrate the cores of CPU (AMD Phenom
IIx4). After the core was calibrated, the most of digital Noise disapears. By Second Step i shut
down the USB Ports, make a big thing of noise.

At least i have to change the Power supply, because there is a noise of AC, thx for first odler
Noise Threat where i read that.

I will tell you if i know if it is works.

Now the new Problem is :

The paris Software 2.1, 2.2, an 3.0 don't run on my computer.

Software Paris 2.1, 2.2 Says : Error initializing Paris Engine code 1/1.
Software Paris 3.0 : I klick it, but do not start.

Subject: Re: Digital Noise 2
Posted by [danielcornelius](#) on Thu, 05 Jul 2012 17:07:47 GMT
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Digital noise makes me angry now.
Try to use 3 different boards.
Asus M3N78-VM
Asus p5....
Gigabyte Z68x-UD3h-b3 , Win 7 32 bit, CPU i5 2320

At gigabyte only used 1 Core of CPU. USB 3.0 is Disabled.
But this terrible noise is following me at start of Computer.
So at last step to check Paris Hardware, i went under roof and use it in an very old PC. Dust and death spiders comes out of case when i opend it .
I plugged in the EDS Card and when it run i can't hear any noise.
I believe the fast multicore CPUs send out this digital noise.

My point of view is, Paris will die by highspeedmachines and for professional recording is it unusable.

I dont like to give up, but i dont know what i can do against digital noise !

No one there to keep my system alive ?

Subject: Re: Digital Noise 2
Posted by [inkycu](#) on Thu, 05 Jul 2012 20:36:44 GMT
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I built a triple core atx system with an asus mobo a couple years ago and everything still works perfect. I used to run paris on a win me system years ago and now it works much faster and just as clean on the newer win xp system.

Hope you can get your system working get your projects out.

Subject: Re: Digital Noise 2
Posted by [danielcornelius](#) on Fri, 06 Jul 2012 17:22:35 GMT
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Last step and it works. Try a third powersupply. EDS cards makes stable digital noise. But AC noise disappears in this configuration.

Configuration of Hardware:

- EDS 1000 Card on PCI Slot 2
- Paris 3.0
- scherzodriver for dual core
- gigabyte mobo used type of this thread.
- i5 2320 quad core
- 4 gb kingston value ram
- powersupply : be quiet 450W
- mobo Gigabyte Z68x-UD3h-b3

Bios Configurations :

- Multicore off, runs only as one kernel cpu
- usb 3.0 off
- usb harddrivesupport off
- Ram lowest speed
- onboard sound off

It looks great Paris 3.0. But the DSP FXs don't run. I will look into this whole great forum for help, this threat would be only "digital Noise" Threat !

Subject: Re: Digital Noise 2

Posted by [inkycu](#) on Sat, 07 Jul 2012 22:04:42 GMT

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Hi,

You might want also try to check your recording room for unwanted noise..stuff like cpu fans, mec fan, AC...this may help to keep a good perspective...sometimes system noise is much less than your environment.

Subject: Re: Digital Noise 2

Posted by [danielcornelius](#) on Fri, 13 Jul 2012 19:31:52 GMT

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I have checked this things, but the digital noise won't disappears.
I have to root in patchbay some different way to have no d-noise.
I cannot use the 8 analog inputs with a root on the mixer.

Subject: Re: Digital Noise 2

Posted by [dnafe](#) on Sat, 14 Jul 2012 13:58:43 GMT

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Digital noise?

Are they pops or clicks?

if so my first thought was power supply in your computer.

If it's a crackly-white noise sound then that could be anybody's guess

my \$0.02 CAD @ 50% off

Subject: Re: Digital Noise 2

Posted by [danielcornelius](#) on Sun, 15 Jul 2012 12:14:49 GMT

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it sounds like a dialing modem, but much lower. You have to turn amplifier very loud to hear it. You can see it in the Mixer of Parissoftware. One stripe of levelmeter holds green and second stripe is flickering all the time.
