

Re: Show details – Re: NVIDIA Decoder Problems

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.mediacenter/2005-06/msg00879.html>

- *From:* "JonP" <JonP@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 9 Jun 2005 22:00:01 -0700
-

Well I would like to see it, I really would. I even went so far as to contact Nvidia. The answer was note the quotes "it is not recommended for any hardware outside of the supported list", with a link to a support site, so I am curious as to what the supported list is and oddly enough the link went right back to where I was at the very start on their web page,, which I gave the link to before.

So my next challenge was I took a bare image with just the Sonic MPEG decoder and the ATI / Cyberlink Decoder. I ran a DVD under media center and media player, no problems. Ran it with debug symbols everything was perfect.

Then I installed the Nvidia decoder, it did install, but the panel did not come up under media center, but media did show the applet their, even though the diagnostics and controls did not run. Use the Microsoft XP decoder check to set it as default. I played the same DVD, with debugger capture information and oddly enough I did not get any symbol information whatsoever from the Nvidia DVD driver. At this point Windows Media player no longer played DVDs, I just got a lot of junk, but I did see the Nvidia applet icon running, but the media center did run the DVD and did not show the Nvidia applet running, ddk stream debugger showed the decoder data was coming through the cyberlink decoder. I have 400+ MB of data stream decoder information if you want it, I can send it to you. At this point, I removed the Nvidia driver completely, verified this with the DDK tools as well as Winternals tools as well as the DVD backup image I took of the install prior to installing the Nvidia software. Ran the same DVD, and miracles of miracles, media player now worked, media center still worked and the data stream capture show identical decode information with the cyberlink codec.

I did the same experiment, but did not reboot the machine but just removed the Nvidia decoder and the media center started the dvd right at where it started even though there was not a Nvidia dvd decoder present in the machine. Which again proves it did not even use it when it was there. All the driver diagnostics showed the nvidia drivers were not active, and the decoder data streams did not show any nvidia decoder data. So where is nvidia in this equation?

Then I did the same experiment with the Nvidia blackbird tuner and installed the same decoders, this time with nvidia drivers, captured the same stream

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data. This time media center did come up with the controls for the nvidia decoder and media player worked correctly throughout. I did install the third party cyberlink decoder, not the ATI version. This failed to work with Media center similar to how the nvidia decoder did not work with the ATI card. I do not have an explanation for it, but there is a patch on cyberlink's website for the decoder, I tried it, but it did not help either. When I reviewed the stream data with the nvidia decoder in use, I oddly enough saw that the data stream WAS decoded by nvidia decoder.

So once again, you tell me how I am wrong here. Please document a procedure other than "it works for me". I spent six hours on this, documented the steps on the way, verified the hardware and software and I still get the same conclusion.

Again tell me in fully documented many with logs how you achieve this. Certainly Nvidia doesn't seem to want customers to use their decoder on non-nvidia hardware. By the way, I am sending the same information to ATI, Nvidia and Cyberlink, and I curious as to what response I get from other engineers.

Also I know what drivers I used, ATI Catalyst 5.5 MCE, ATI / Cyberlink DVD Decoder 6.0.0.1311, Nvidia DVD Decoder 4.67.0, Nvidia gforce 71.84, Nvidia TV 1.20.45.

JonP

"Dana Cline – MVP" wrote:

> I'd be happy to show you a log (define what you mean by "log") of the nVidia
> DVD Decoder working on ATI display hardware – I'm currently using the latest
> nVidia decoder running on an ATI 9550 (driver version 5.4, I think). Tell me
> what kind of log you want and I'll produce it...
>
> Dana Cline – MVP
>
> "JonP" <JonP@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
> <news:95372957-1917-40BA-9DE2-BC32C5142E3B@xxxxxxxxxxxxxxxxxxxx>
>> Did you actually read the whole message, and check the details. Is Nvidia
>> making up facts about their own cards. Why would Microsoft, Nvidia, Dell
> etc
>> etc etc do this post details, documents SDKs, documents FAQs, resources
> kits,
>> shall I go on. Once again, go check it out read what I put down and show
> me
>> what is wrong, if there are any points that are incorrect, document them
> with
>> the actual details from Nvidia, ATI and Microsoft. I have done this, I
> have
>> all the logs, the SDKs, the hardware development kits, worked on actual
>> development for years, not game playing.

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>>
>> Show me the facts from the manufacturers and developers!
>>
>> Who can show a log documenting an Nvidia decoder working on a single
>> non-nvidia video adapter system? I mean with complete driver details,
>> version etc. WinMSD will give this as will the DVD decoder test utility
> from
>> microsoft, as will the DDK hardware driver test kit and other SDKs.
>>
>> JonP
>>
>>
>> "Chris Lanier" wrote:
>>
>>> You do not need an NVIDIA based graphics card/chipset/anything to make
> use
>>> of NVIDIA's DVD Decoder. It will enable PureVideo on a 6 Series card,
>>> that's the only integration it has with NVIDIA hardware. It will
> function
>>> completely with ATI based hardware.
>>>
>>> Of course NVIDIA would love you to pair their software with their
> hardware,
>>> but it is in *no way* needed to use the software and the decoders will
>>> function perfectly using an ATI based card. =)
>>>
>>> ---
>>> Chris Lanier
>>> <http://www.msmvps.com/chris/>
>>> <http://www.thegreenbutton.com/>
>>>
>>> "JonP" <JonP@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
>>> <news:162F5BA0-BAFB-46EC-8569-023CD602808E@xxxxxxxxxxxxxxxxxxxx>
>>>> Francesco:
>>>>
>>>> I suggest that you re-read the post that I put up in reply to your
>>>> previous
>>>> question. It distinctly gives you information as to why you are
> having
>>>> this
>>>> problem now. Go through the procedure and you will be able to make it
>>>> work
>>>> again. First remove the Nvidia decoder it is NOT compatible with your
>>>> video
>>>> card!
>>>>
>>>> The ATI / Cyberlink decoder is quite good in performance if you
> install it
>>>> correctly and have the valid MCE drivers and of course update to the
> new
>>>> release which just came out a few weeks ago. It is quite excellent to

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>>>> use.
>>>> If you do not agree with this, this benchmark, and try other decoders,
> I
>>>> have given a link for you to start the benchmarking procedure. You
> can
>>>> ask
>>>> more questions if you do not understand what I have written. But do
> not
>>>> install software that is distinctly developed for another hardware
>>>> platform,
>>>> it cause you nothing but grief as you have found out. I am afraid
> that DC
>>>> previously gave you bad advice without even looking at the details of
> the
>>>> hardware that you noted in your message.
>>>>
>>>> Once again, you can ask more questions, and I will do my best to
> answer.
>>>> I
>>>> suggest right now after you uninstall the Nvidia DVD decoder, you
> install
>>>> the
>>>> Catalyst 5.5 MCD driver, (there are two versions, the control center
>>>> edition
>>>> and control panel editon, I recommend the control panel edition, it is
>>>> generally more stable) the links are
>>>> http://www2.ati.com/drivers/5-5_mce_dd_cp.exe (control center editon)
> and
>>>> at
>>>> http://www2.ati.com/drivers/5-5_mce_dd_ccc_enu.exe (the control panel
>>>> editon)
>>>> , the DVD Decoder is at
>>>> <http://www2.ati.com/drivers/atiCDwiz.exe> . It is a two step download,
> and
>>>> requires you original ATI CDROM to install the DVD decoder, you do
> not
>>>> have
>>>> to uninstall another decoders to use the ATI / Cyberlink optimised
>>>> decoder,
>>>> other than the issue of compatibility with the Nvidia DVD decoder.
>>>>
>>>> Here is my previous answer, please read it and follow through the
> links
>>>> and
>>>> verify the DVD decoder software with the Microsoft software.
>>>>
>>>> I wrote in answer to your previous question:
>>>>
>>>> Please note , that Francesco has an ATI9800Pro which is NOT an Nvidia
>>>> chipset so therefore is not compatible with ATI products. Which is
> fairly

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>>>> obvious for hardware.
>>>>
>>>> Now the first step should be in checking compatibility of decoders,
> not
>>>> all
>>>> decoders are compatible with all hardware (oddly enough), to deal with
>>>> this
>>>> issue Microsoft has written a marvellous utility called the Windows XP
>>>> Video
>>>> Decoder Checkup which you can check information out at
>>>>
>>>>
> <http://www.microsoft.com/windowsmobile/portablemediacenter/decoder.msp>
>>>>
>>>> and download through the windows download centre directly at this link
>>>>
> <http://www.microsoft.com/downloads/details.aspx?FamilyId=DE1491AC-0AB6-4990-943D-627E6ADE9FCB&displaylang=en>
>>>>
>>>> There is also a very good knowledge base article about what MPEG-2
>>>> decoders
>>>> are supported under Windows XP (and under Media Center as well) at
>>>>
>>>> <http://support.microsoft.com/default.aspx?scid=kb:en-us:306331>
>>>>
>>>> with direct links to the various decoder third party distributors, as
> well
>>>> as links at the site titled MP3 Creation Packs and DVD Decoders for
>>>> Windows
>>>> XP whose link is
>>>>
>>>> <http://www.microsoft.com/windows/windowsmedia/windowsxp/buypacks.aspx>
>>>>
>>>> Now for an actual suggestion, I would suggest that you get a MPEG
>>>> bench-marking program or check out MPEG bench-marking on the web,
> there
>>>> are
>>>> numerous site and utilities. Here is one site to start
>>>>
>>>> <http://matcmadison.edu/mchristoffel/videos/MPEGbenchmark.htm>
>>>>
>>>> In terms of hardware capabilities I suggest you check out Tom's
> Hardware
>>>> at
>>>>
>>>> <http://www.tomshardware.com/index.html>
>>>>
>>>> for reports about you hardware and it's abilities.
>>>>
>>>> Now just as a reference the ATI DVD decoder is actual written by
> Cyberlink

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>>>> so there is no point in buying the Cyberlink decoder, the Windows XP
> Video
>>>> Decoder Checkup will show you all the decoders installed, their
> version,
>>>> developers etc.
>>>>
>>>> Now another note for all ATI cards, check out
>>>>
>>>>
> <https://support.ati.com/ics/support/default.asp?deptID=894&task=knowledge&fo>
> lderID=27
>>>>
>>>> You will want to download the Catalyst driver for Windows Media Center
>>>> (NOT
>>>> the Windows XP version), as well the the DVD decoder Update tool,
> which
>>>> you
>>>> will need your original ATI CD to install the updated DVD Decoder.
>>>>
>>>> I would bet that after updating the Catalyst drivers, and the DVD
> Decoder
>>>> Francesco would find he has better performance. Now what he means by
>>>> saying
>>>> the ATI decoder is only partially compatible to MCE is not really true
>>>> since
>>>> it is the same version from Cyberlink just optimised for the ATI card.
>>>>
>>>> JonP P.Eng. MCI
>>>>
>>>> "Francesco" wrote:
>>>>
>>>>> I installed the NVIDIA Decoder and the video playback is totaly
> messed
>>>>> up.
>>>>> The video plays half way down the screen, has a bunch of jaggie
> blocks
>>>>> all
>>>>> over the place, and blinks in and out. What the hell...
>>>>>
>>>>> MCE 2005
>>>>> ATI 9800 PRO
>>>>> Haupaug(sic) Dual Tuner TV Card
>>>>>
>>>>>
>>>
>>>
>>>
>
>
>
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- **Follow-Ups:**
 - ◆ **Re: Show details – Re: NVIDIA Decoder Problems**
 - ◇ From: Chris Lanier

- **References:**
 - ◆ **NVIDIA Decoder Problems**
 - ◇ From: Francesco
 - ◆ **RE: NVIDIA Decoder Problems**
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 - ◇ From: Chris Lanier
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