

Re: [SLE] Nvidia / AV Out Not Center

Source: <http://linux.derkeiler.com/Mailing-Lists/SuSE/2006-05/msg02694.html>

- *From:* Shawn Holland <sholland@xxxxxxxxxx>
 - *Date:* Wed, 24 May 2006 16:33:28 -0300
-

On Wednesday 24 May 2006 11:53 am, Carl Hartung wrote:

Hi Shawn,

On Wednesday 24 May 2006 06:45, Shawn Holland wrote:

Yes I switched to runlevel 3. But no I did not change my inittab to runlevel 3.

This **could** just be a precaution against inconvenient "black screens" caused by loading an incorrect or wrongly configured module. It could /also/ be that dropping to runlevel 3 **after** incorrectly initializing the card may complicate the installation. Since the default runlevel becomes irrelevant after the module has been correctly configured and installed, I think the precaution is reasonable.

The installer had to custom compile it for me.

and

When compiling the 7174 I didn't have any problems compiling it once I read the help files :)

Did you see anything unusual at all during the build? Any warnings or error messages that you haven't seen during previous (and successful) installations? It isn't like there's an md5sum you can check to confirm the module is valid... do you know of any tests to verify the integrity of the module short of just loading and trying it out?

I had given up at this point :(

I don't blame you one bit! :-) Even with the excellent 'how-to' and

Re: [SLE] Nvidia / AV Out Not Center

'readme' and many online resources the process still leaves one feeling like a detective in a board game picking up clues here and there to solve a story. Hopefully, I haven't overlooked anything in my last 'Q&A' style post... I can't test if it works without a board, so you get to be the guinea pig!

I'm inclined to reload SuSE and follow the documentation throughly to see if it will work. I will do that today and let you know what my results are.

Good luck!

Carl

Ok here's what I've done.

Reloaded SuSE 10.0. Did all the online updates (excluding the nvidia driver)
Installed the Kernel and C++ Dev packages.

I set inittab to 3.

Set the following:

/etc/udev/static_devices.txt:

```
nvidia0 c 195 0 666
nvidia1 c 195 1 666
nvidia2 c 195 2 666
nvidia3 c 195 3 666
nvidia4 c 195 4 666
nvidia5 c 195 5 666
nvidia6 c 195 6 666
nvidia7 c 195 7 666
nvidiactl c 195 255 666
```

Also as per SuSE's HowTo I've removed the following:

/etc/modprobe.d/nvidia

I then did:

```
cd /usr/src/linux
make cloneconfig
make prepare-all
```

Then I compiled the nvidia drivers using the
--kernel-source-path /usr/src/linux

Re: [SLE] Nvidia / AV Out Not Center

And you can verify that is correct by using `rpm -q kernel-source --scripts`

So the nvidia driver was successful :)

Now the fun part. Setting up `Xorg.conf`

I have made the following adjustments:

```
Section "Device"
...
Driver "nvidia"
Option "RenderAccel" "True"
Option "ConnectedMonitor" "TV"
Option "TVStandard" "NTSC-M"
Option "AllowGLXWithComposite" "On"
Option "TVOutFormat" "COMPOSITE"
...
EndSection

Section "Extensions"
Option "Composite" "true"
EndSection
```

Now it does start up just fine If I set it to run off of a monitor.

```
hwinfo --gfxcard
```

It showed nvidia for the X drivers.

That was the first time I ran it. But now when I run it it always shows NV again ... argh...

But using `SaX2 -m 0=nvidia` I get the nvidia splash page and all the nvidia options.

But when I try to start X with the above `Xorg.conf` it goes to the composite display but its just a black window there is nothing displayed.

I know this is true because its on one of my AV ports which if there is no signal it will display AV1 at the top. I have it hooked up to a Monitor as well just to watch. And it boots off the monitor then when runlevel 5 is reached it switches over to the TV because the monitor turns off and the av1 shows there's a signal. But again just black (but its nice and centered :)).

I set it to load the monitor to try the `nvidia-settings` utility but It only detects the CRT for the connected displays.

So I've almost taken a step backwards! I got the driver installed but now its not showing the driver in `hwinfo` and nothing displays to composite.

As a note I also tried the `SVidio` out and its the same thing as Composite.

Re: [SLE] Nvidia / AV Out Not Center

Re: [SLE] Nvidia / AV Out Not Center

What is interesting is that in SaX2 -m 0=nvidia it has all the options for tv standard and tvoutformat. But I'll have to do more reading to make sure I put the correct values in there and what does and doesn't need to be filled out.

--

Regards,

Shawn Holland
Sandara Technologies Ltd.
Ph. 1-902-405-3344
Fx. 1-902-405-3345

--

Check the headers for your unsubscribe address
For additional commands send e-mail to suse-linux-e-help@xxxxxxxx
Also check the archives at <http://lists.suse.com>
Please read the FAQs: suse-linux-e-faq@xxxxxxxx