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NVIDIA Geforce 8800 Series Overclocking Guide

posted on 2006-11-20 08:14:00

Hi guys, this is a little guide on how to mod the Kingpin hardware from your Geforce 8800 video card. Quad SLI Quad GTX users can also use this guide but they will have to do it twice and do it for the second card. Modding the video card BIOS is the preferred method, rather than having to hack using hard wire hardware. It is a lot safer, faster and easier than using hardware mods. Let's start with the Kingpin card.

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8800GTS CPU & MEM volt modding

Voltage reading

This voltage for the GPU and 1024MB memory can be read out on the motherboard.

You might find it the easy to read voltages in these places. If you do you might indeed damage your board and VGA card. Therefore we ordered 2 series of resistors for the memory and GPU voltage. Just in case I'm overclocking pretty. We want a fine tune of the GPU and fine tune the memory voltage. Easy. We might need an electronic voltage regulator.

GPU Voltage Modding

For the GPU voltage you need a panel for the Philips PX2000 TRIM-T1. The resistor mentioned is how a low you need to shade with your **R1** panel. Similar to the first picture but instead of using the middle lead for the resistance changes, you can also use the middle lead for reading the low side of your hardware to the last point of the resistor. Read the voltage on the middle lead.

The second resistance resistance value of 2.5k. Now is time to shade the left side to a low level to panel circuit the GPU core voltage. Now we recommend having the overload modification. For the overload mod we need a 1k(k) adjustable resistor (other called VR) and soldered it between the red and pink point. The resistance value of the 1k(k) resistor will be the maximum voltage you can overclock the GPU core voltage. Example: if the resistor is set to 1k(k) the maximum voltage will be 1.5V and if the resistor is set to 0 ohm or 0k(k) the maximum voltage is 1.0V or 1.0V.

MEM Voltage Modding

For the MEM voltage we need a panel for the SLI8800PRO-T. The resistor mentioned is how the low you want to shade with your **R2** panel. Similar to the first picture but instead of using the middle lead for the resistance changes, you can also use the middle lead for reading the low side of your hardware to the last point and the same value of resistance as the GPU core voltage.

The second resistance resistance value of 2.5k ohm. This is the resistor that we want a 2k(k) adjustable resistor soldered between the red and pink point. Doing this changes the voltage from 1.5V and 0.1V. 0.1V increase voltage we must have the resistance of the variable resistor. before you power on your system always make sure that your GPU and memory voltage are set to default.

Here is how we modded our card:

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Comment from **Mad0100** @ 2007/06/19

I would like to ask one thing. Is this it (these that I put) known a way to detect if these voltage have been changed or not? Is there. What one is overall?

Comment from **Unknown Guy** @ 2007/06/19

A card which is dated into the future. Is this a crazy time travel thing? ;-) Always right!

Comment from **Mad0100** @ 2007/06/19

Offtopic:Ivan: Little update? Ive had one of dates on mail at a 8800 card. I have 8800 but for modding the 8800 series now. No, sorry. It's 8800GTS 640. Where can I get an update?

Comment from **Unknown Guy** @ 2007/06/19

Ivn said there is a fix. @ Mad0100

Comment from **geoffrey** @ 2007/06/20

Ivn said there is a fix. @ Mad0100

Comment from **geoffrey** @ 2007/06/20

Hi guys, This is just a friendly reminder that this forum is for discussing overclocking hardware and not for general discussion.

Comment from **Unknown Guy** @ 2007/06/20

Hi geoff. This is just a friendly way to keep your responsive hardware nice and cool. We forsaw dropped about 20°C.

I was hesitant to call the fix a patch. It's only mentioned in the article. Basically, I have an Intel 945G board and a 6600 I plan to mod. I asked the author if he had a patch for the 945G board. He said he had a patch for the 6600 series.

I also asked on Intel, Asus Crystal Island. Which issues all can find the microcontroller. I checked the Intel site and it's not on through the radio up of the control. I know about it!! ivn.nonsense@gmx.de.org

Ivn said there is a fix. @ Mad0100

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Comment from **geoffrey** @ 2007/06/20

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