

Re: USB 5volt power

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- *From:* John <look@xxxxxxx>
 - *Date:* Wed, 16 Aug 2006 12:21:18 -0400
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On 15 Aug 2006 23:57:58 +0200, ArameFarpado <a-farpado.spam@xxxxxxxxxxx> wrote:

John wrote:
Hi, thanks for you reply

There are 2 per-port limits on the power available from a USB port. One limit for devices that don't tell the USB controller how much power they need and another limit for devices that do specify their loading. If a device draws more than the first limit and does not tell the controller, you may encounter problems. If a device specifies it's current requirements but exceeds that specification, you may encounter problems.

There is also a maximum total current limit for the particular USB controller being used. If that total current limit is exceeded, the chip will (usually) shut down. This sounds like the problem you are describing. There are two solutions – connect fewer devices at one time (example: printer and scanner not usually in use simultaneously) or add an external powered hub.

John

This problem appens with a usb-adsl modem, the modem have been replaced 2 times (3rd modem allready) and did not solve the problem, the adsl connection is a high-speed and the power goes down when the modem starts to work harder like when doing a download... it appens with just the modem connected.

So, do you think that connecting the modem with a diferent 5volt supply and disconnecting the 5volt supplied by the controller is a bad idea ?

Thanks
ArameFarpado

Re: USB 5volt power

Unless you already have the external 5 volt supply, I would suggest getting an inexpensive powered USB hub. Most of the USB 1.1 hubs are discounted now because people want USB 2. However, the USB 1.1 speed is more than adequate for DSL data speeds.

John

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