

Problem connecting USB devices

Source: <http://linux.derkeiler.com/Mailing-Lists/Debian/2007-09/msg03146.html>

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Hello,

i've installed an additional PCI USB controller card to have USB 2.0 support in an older computer. Unfortunately connecting devices to this controller does not work.

```
host:~# lspci -v | grep HCI
00:02.0 USB Controller: nVidia Corporation nForce USB Controller (rev c3)
(prog-if 10 [OHCI])
00:03.0 USB Controller: nVidia Corporation nForce USB Controller (rev c3)
(prog-if 10 [OHCI])
01:07.0 USB Controller: VIA Technologies, Inc. VT8xxxxx UHCI USB 1.1
Controller (rev 62) (prog-if 00 [UHCI])
Subsystem: VIA Technologies, Inc. VT8xxxxx UHCI USB 1.1 Controller
01:07.1 USB Controller: VIA Technologies, Inc. VT8xxxxx UHCI USB 1.1
Controller (rev 62) (prog-if 00 [UHCI])
Subsystem: VIA Technologies, Inc. VT8xxxxx UHCI USB 1.1 Controller
01:07.2 USB Controller: VIA Technologies, Inc. USB 2.0 (rev 65) (prog-if 20
[EHCI])
```

nVidia is onboard, VIA is the new one.

Connecting an external harddrive to one of the old USB 1.1 ports works:

```
host:~# dmesg
usb 1-1: new full speed USB device using ohci_hcd and address 3
usb 1-1: configuration #1 chosen from 1 choice
scsi0 : SCSI emulation for USB Mass Storage devices
usb-storage: device found at 3
usb-storage: waiting for device to settle before scanning
Vendor: HDT72252 Model: 5DLAT80 Rev: V44O
Type: Direct-Access ANSI SCSI revision: 00
usb-storage: device scan complete
SCSI device sda: 488397168 512-byte hdwr sectors (250059 MB)
sda: Write Protect is off
sda: Mode Sense: 03 00 00 00
sda: assuming drive cache: write through
SCSI device sda: 488397168 512-byte hdwr sectors (250059 MB)
sda: Write Protect is off
```

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```
sda: Mode Sense: 03 00 00 00
sda: assuming drive cache: write through
sda: sda1
sd 0:0:0:0: Attached scsi disk sda
```

But connecting this harddrive to one of the new USB 2.0 ports does not work:

```
host:~# dmesg
usb 5-4: new high speed USB device using ehci_hcd and address 2
usb 5-4: device descriptor read/64, error -110
usb 5-4: device descriptor read/64, error -110
usb 5-4: new high speed USB device using ehci_hcd and address 3
usb 5-4: device descriptor read/64, error -110
usb 5-4: device descriptor read/64, error -110
usb 5-4: new high speed USB device using ehci_hcd and address 4
usb 5-4: device not accepting address 4, error -110
usb 5-4: new high speed USB device using ehci_hcd and address 5
usb 5-4: device not accepting address 5, error -110
```

Loaded modules:

```
host:~# lsmod | grep hcd
ehci_hcd 28136 0
ohci_hcd 18276 0
uhci_hcd 21164 0
usbcore 112644 6 ehci_hcd,ohci_hcd,usb_storage,usb_lip,uhci_hcd
```

Does anybody have an idea what to do about this?

My system:

```
host:~# uname -a
Linux host 2.6.18-5-vserver-686 #1 SMP Wed Sep 26 20:10:39 UTC 2007 i686
GNU/Linux
```

```
host:~# cat /etc/debian_version
4.0
```

Thanks in advance!

Andreas

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