

Re: How can I set a network card to active....

Source: <http://linux.derkeiler.com/Newsgroups/alt.os.linux.suse/2006-03/msg00208.html>

- *From:* Ken Dere <kpdere@xxxxxxxxxx>
 - *Date:* Thu, 02 Mar 2006 16:43:12 -0500
-

Engelkott wrote:

On Tue, 28 Feb 2006 19:26:36 +0100, Reinhard Gimbel
<reinhard@xxxxxxxxxxxxxxxx> wrote:

Hello community !

Engelkott wrote:

I have SuSe 10 on my laptop which has a built in network card which is not configured. I have also a Netgeat MA521 PCMCIA wireless card which i have finally got 'working'.

I say 'working' because i have got the link light on the card to light up, meaning (i think) that the card and Linux sees the existence of my wireless router (Netgear MR814) but i can't actually get out on the internet and the router does not see the PC Card as attached.

Upon further investigation i HTTP server set up and noticed my PC Card is not listed under interfaces so that led me to assume it is not the active connection, maybe my onboard card is? If i plug a cable in there all works well!

So, my question is, how can i set my Netgear card to active? I plan to use the computer in a different room to my router so a wired connection is not an option.

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Please post the output of

```
(/sbin/) ifconfig  
(/usr/sbin/) iwconfig  
(/sbin/) route -n  
(/usr/sbin/) hwinfo --netcard  
(/usr/sbin/) hwinfo --wlan
```

All commands need to be issued in the context of user "root". If you will do that by using "sudo" you will need the complete path of the commands [added in ()].

Hi and thanks for your feedback. The output was as follows:

```
linux:/home/graham # ifconfig
```

```
lo Link encap:Local Loopback  
inet addr:127.0.0.1 Mask:255.0.0.0  
inet6 addr: ::1/128 Scope:Host  
UP LOOPBACK RUNNING MTU:16436 Metric:1  
RX packets:62 errors:0 dropped:0 overruns:0 frame:0  
TX packets:62 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:4148 (4.0 Kb) TX bytes:4148 (4.0 Kb)
```

```
wlan0 Link encap:Ethernet HWaddr 00:09:5B:63:90:87  
inet6 addr: fe80::209:5bff:fe63:9087/64 Scope:Link  
UP BROADCAST NOTRAILERS RUNNING MULTICAST MTU:1500  
Metric:1  
RX packets:10 errors:0 dropped:0 overruns:0 frame:0  
TX packets:75 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:1000  
RX bytes:608 (608.0 b) TX bytes:42672 (41.6 Kb)  
Interrupt:3 Memory:f138a000-f138a100
```

```
linux:/home/graham # iwconfig
```

```
lo no wireless extensions.
```

```
eth0 no wireless extensions.
```

```
wlan0 IEEE 802.11b ESSID:"Linux"  
Mode:Ad-Hoc Frequency:2.462 GHz Cell: 02:98:58:22:98:FE  
Bit Rate=11 Mb/s Sensitivity=80/85  
Retry:on Fragment thr:off  
Encryption key:15D4-DD7B-3627-F865-B86D-A81E-7C Security  
mode:restricted  
Link Quality=79/100 Signal level=-68 dBm Noise level=-235  
dBm
```

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Rx invalid nwid:0 Rx invalid crypt:0 Rx invalid frag:0
Tx excessive retries:0 Invalid misc:0 Missed beacon:0

sit0 no wireless extensions.

linux:/home/graham # route -n

Kernel IP routing table

Destination Gateway Genmask Flags Metric Ref

Use Iface

127.0.0.0 0.0.0.0 255.0.0.0 U 0 0

0 lo

linux:/home/graham # hwinfo --netcard

24: PCI 20c.0: 0200 Ethernet controller

[Created at pci.277]

UDI: /org/freedesktop/Hal/devices/pci_100b_20

Unique ID: rBUF._B4HhA0PG7E

Parent ID: 6NW+.ccU5FZC1tz2

SysFS ID: /devices/pci0000:00/0000:00:1e.0/0000:02:0c.0

SysFS BusID: 0000:02:0c.0

Hardware Class: network

Model: "Fujitsu Siemens DP83815 (MacPhyter) Ethernet Controller"

Vendor: pci 0x100b "National Semiconductor Corporation"

Device: pci 0x0020 "DP83815 (MacPhyter) Ethernet Controller"

SubVendor: pci 0x1734 "Fujitsu Siemens Computer GmbH"

SubDevice: pci 0x102a

Driver: "natsemi"

Device File: eth0

I/O Ports: 0xc800-0xc8ff (rw)

Memory Range: 0xdfefe000-0xdfefefff (rw,non-prefetchable)

Memory Range: 0x32000000-0x3200ffff (ro,prefetchable,disabled)

IRQ: 3 (133105 events)

HW Address: 00:03:0d:04:76:d7

Link detected: no

Module Alias:

"pci:v0000100Bd00000020sv00001734sd0000102Abc02sc00i00"

Driver Info #0:

Driver Status: natsemi is active

Driver Activation Cmd: "modprobe natsemi"

Config Status: cfg=no, avail=yes, need=no, active=unknown

Attached to: #15 (PCI bridge)

25: PCI 300.0: 0200 Ethernet controller

[Created at pci.277]

UDI: /org/freedesktop/Hal/devices/pci_10ec_8180

Unique ID: y9sn.QEFGDiB8dNA

Parent ID: QOEa.g2e8fucgw5A

SysFS ID: /devices/pci0000:00/0000:00:1e.0/0000:02:03.0/0000:03:00.0

SysFS BusID: 0000:03:00.0

Hardware Class: network

Model: "Netgear RTL8180L 802.11b MAC"

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```
Hotplug: CardBus
Socket: 0
Vendor: pci 0x10ec "Realtek Semiconductor Co., Ltd."
Device: pci 0x8180 "RTL8180L 802.11b MAC"
SubVendor: pci 0x1385 "Netgear"
SubDevice: pci 0x4700
Revision: 0x20
Driver: "rtl8180"
Device File: wlan0
Features: WLAN
I/O Ports: 0x2000–0x2fff (rw)
Memory Range: 0x34000000–0x340001ff (rw,non-prefetchable)
IRQ: 3 (133105 events)
HW Address: 00:09:5b:63:90:87
Link detected: no
WLAN channels: 1 2 3 4 5 6 7 8 9 10 11 12 13 14
WLAN frequencies: 2.412 2.417 2.422 2.427 2.432 2.437 2.442 2.447
2.452 2.457 2.462 2.467 2.472 2.484
WLAN bitrates: 1 2 5.5 11
WLAN authentication modes: open
Module Alias:
"pci:v000010ECd00008180sv00001385sd00004700bc02sc00i00"
Driver Info #0:
Driver Status: r8180 is active
Driver Activation Cmd: "modprobe r8180"
Config Status: cfg=no, avail=yes, need=no, active=unknown
Attached to: #22 (CardBus bridge)
```

```
linux:/home/graham # hwinfo --wlan
```

```
17: PCI 300.0: 0200 Ethernet controller
[Created at pci.277]
UDI: /org/freedesktop/Hal/devices/pci_10ec_8180
Unique ID: y9sn.QEFGDiB8dNA
Parent ID: QOEa.g2e8fucgw5A
SysFS ID: /devices/pci0000:00/0000:00:1e.0/0000:02:03.0/0000:03:00.0
SysFS BusID: 0000:03:00.0
Hardware Class: network
Model: "Netgear RTL8180L 802.11b MAC"
Hotplug: CardBus
Socket: 0
Vendor: pci 0x10ec "Realtek Semiconductor Co., Ltd."
Device: pci 0x8180 "RTL8180L 802.11b MAC"
SubVendor: pci 0x1385 "Netgear"
SubDevice: pci 0x4700
Revision: 0x20
Driver: "rtl8180"
Device File: wlan0
Features: WLAN
I/O Ports: 0x2000–0x20ff (rw)
Memory Range: 0x34000000–0x340001ff (rw,non-prefetchable)
```

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IRQ: 3 (no events)
HW Address: 00:09:5b:63:90:87
Link detected: no
WLAN channels: 1 2 3 4 5 6 7 8 9 10 11 12 13 14
WLAN frequencies: 2.412 2.417 2.422 2.427 2.432 2.437 2.442 2.447
2.452 2.457 2.462 2.467 2.472 2.484
WLAN bitrates: 1 2 5.5 11
WLAN authentication modes: open
Module Alias:
"pci:v000010ECd00008180sv00001385sd00004700bc02sc00i00"
Driver Info #0:
Driver Status: r8180 is active
Driver Activation Cmd: "modprobe r8180"
Config Status: cfg=no, avail=yes, need=no, active=unknown
Attached to: #14 (CardBus bridge)

I just got a wireless card up. One difference is that I used:

```
iwconfig wlan0 key open __your.key__
```

but you should be able to set all this in Yast.

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Ken D.

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