

Problems with Lucent Tech (Orinoco) wireless card

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I cannot seem to see my network (or router) with my wireless card. The system seems to see the card. I used the network configuration utility to set the card up as the only network device and to run dhcp. Still I can't see the rest of my network and I'm not sure why.

I'm using a Lucent Tech (Orinoco) pcmcia wireless card on my Laptop running RH 8.0. The system does detect the card correctly and loads the module for it (`wvlan_cs`). The system gives me the two good beeps when booting and the lights on the card come on like it's happy. I'm using a Belkin wireless router. The system is dual boot and the wireless system works fine with Windows so I know the hardware is fine.

`ifconfig` yields:

```
eth1 Link encap:Ethernet HWaddr 00:60:1D:23:E5:D4
      UP BROADCAST RUNNING MTU:1500 Metric:1
      RX packets:0 errors:0 dropped:0 overruns:0 frame:0
      TX packets:14 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0
      RX bytes:0 (0.0 b) TX bytes:5892 (5.7 Kb)
```

```
lo Link encap:Local Loopback
  inet addr:127.0.0.1 Mask:255.0.0.0
  UP LOOPBACK RUNNING MTU:1500 Metric:1
  RX packets:148 errors:0 dropped:0 overruns:0 frame:0
  TX packets:148 errors:0 dropped:0 overruns:0 carrier:0
  collisions:0
  RX bytes:9646 (9.4 Kb) TX bytes:9646 (9.4 Kb)
```

`iwconfig eth1` yields:

```
eth1 IEEE 802.11-DS ESSID:"WLAN" Nickname:"Sara"
      Mode:Ad-Hoc Frequency:2.462GHz Cell: 00:30:BD:C2:C5:64
      Bit Rate:11Mb/s Tx-Power=15 dBm Sensitivity:1/3
      RTS thr:off Fragment thr:off
      Encryption key:7365-6375-31
```

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Power Management:off

Link Quality:61/92 Signal level:-30 dBm Noise level:-92 dBm

Rx invalid nwid:0 invalid crypt:0 invalid misc:0

route yields:

Kernel IP routing table

Destination Gateway Genmask Flags Metric Ref Use Iface

127.0.0.0 * 255.0.0.0 U 0 0 0 lo

When I try to add a default route to my router the system just says that the "Network is unreachable"

I notice that iwconfig shows an encryption key but I am not running WEP on my router (I live a good 1/2 mile from my nearest neighbor and the road). I set the ESSID to WLAN though my router calls it SSID. Could this be my problem?

I've played at this for a while and gotten nowhere. Any help or suggestions on how to trouble shoot this would be greatly appreciated.

Thanks,

James Kimble