

## Re: Network Not Working – multipart post

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Debian/2006-02/msg03315.html>

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- *From:* Salman <[smhar@xxxxxxxxxx](mailto:smhar@xxxxxxxxxx)>
  - *Date:* Tue, 28 Feb 2006 18:32:52 +0300
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Debian Sarge (Stable) does not detect the built-in ethernet port, so I can not connect to the router or the internet.

```
-----  
uname -a  
Linux farabi 2.6.8-2-686 #1 Thu May 19 17:53:30 JST 2005 i686 GNU/Linux  
-----
```

```
/etc/resolve.conf  
search lan  
nameserver 10.0.0.138  
-----
```

```
/etc/network/interfaces/  
# This file describes the network interfaces available on your system  
# and how to activate them. For more information, see interfaces(5).
```

```
# The loopback network interface  
auto lo  
iface lo inet loopback
```

```
# The primary network interface  
auto eth0  
iface eth0 inet static  
address 10.0.0.2  
netmask 255.255.255.0  
network 10.0.0.0  
broadcast 10.0.0.255  
gateway 10.0.0.138  
# dns-* options are implemented by the resolvconf package, if installed  
dns-nameservers 10.0.0.138  
dns-search lan  
-----
```

```
ping -c 3 10.0.0.138  
PING 10.0.0.138 (10.0.0.138) 56(84) bytes of data.  
From 10.0.0.2 icmp_seq=1 Destination Host Unreachable  
From 10.0.0.2 icmp_seq=2 Destination Host Unreachable  
From 10.0.0.2 icmp_seq=3 Destination Host Unreachable
```

```
---- 10.0.0.138 ping statistics ----  
3 packets transmitted, 0 received, +3 errors, 100% packet loss, time 1999ms  
, pipe 3
```

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```
ping -c 3 127.0.0.1
PING 127.0.0.1 (127.0.0.1) 56(84) bytes of data.
64 bytes from 127.0.0.1: icmp_seq=1 ttl=64 time=0.050 ms
64 bytes from 127.0.0.1: icmp_seq=2 ttl=64 time=0.050 ms
64 bytes from 127.0.0.1: icmp_seq=3 ttl=64 time=0.031 ms

--- 127.0.0.1 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 1999ms
rtt min/avg/max/mdev = 0.031/0.043/0.050/0.011 ms
```

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```
ping -c 3 10.0.0.2
PING 10.0.0.2 (10.0.0.2) 56(84) bytes of data.
64 bytes from 10.0.0.2: icmp_seq=1 ttl=64 time=0.049 ms
64 bytes from 10.0.0.2: icmp_seq=2 ttl=64 time=0.018 ms
64 bytes from 10.0.0.2: icmp_seq=3 ttl=64 time=0.029 ms

--- 10.0.0.2 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 1999ms
rtt min/avg/max/mdev = 0.018/0.032/0.049/0.012 ms
```

---

```
ifconfig
eth0 Link encap:Ethernet HWaddr 00:00:E2:4E:AC:F1
inet addr:10.0.0.2 Bcast:10.0.0.255 Mask:255.255.255.0
inet6 addr: fe80::200:e2ff:fe4e:acf1/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)
```

```
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:27 errors:0 dropped:0 overruns:0 frame:0
TX packets:27 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:2544 (2.4 KiB) TX bytes:2544 (2.4 KiB)
```

---

```
lspci
0000:00:00.0 Host bridge: Intel Corp. 82815 815 Chipset Host Bridge and Memory Controller Hub (rev 02)
0000:00:02.0 VGA compatible controller: Intel Corp. 82815 CGC [Chipset Graphics Controller] (rev 02)
0000:00:1e.0 PCI bridge: Intel Corp. 82801 PCI Bridge (rev 02)
0000:00:1f.0 ISA bridge: Intel Corp. 82801BA ISA Bridge (LPC) (rev 02)
0000:00:1f.1 IDE interface: Intel Corp. 82801BA IDE U100 (rev 02)
0000:00:1f.2 USB Controller: Intel Corp. 82801BA/BAM USB (Hub #1) (rev 02)
0000:00:1f.3 SMBus: Intel Corp. 82801BA/BAM SMBus (rev 02)
0000:00:1f.4 USB Controller: Intel Corp. 82801BA/BAM USB (Hub #2) (rev 02)
0000:00:1f.5 Multimedia audio controller: Intel Corp. 82801BA/BAM AC'97 Audio (rev 02)
0000:01:00.0 Multimedia audio controller: Avance Logic Inc. ALS4000 Audio Chipset
```

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0000:01:01.0 VGA compatible controller: nVidia Corporation NV5M64 [RIVA TNT2 Model 64/Model 64 Pro] (rev 15)

0000:01:08.0 Ethernet controller: Intel Corp. 82801BA/BAM/CA/CAM Ethernet Controller (rev 01)

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```
lsmod | grep e100
e100 32608 0
mii 5120 1 e100
```

---

```
dmesg | grep eth
e100: eth0: e100_probe: addr 0x80120000, irq 11, MAC addr 00:00:E2:4E:AC:F1
e100: eth0: e100_watchdog: link up, 100Mbps, full-duplex
NETDEV WATCHDOG: eth0: transmit timed out
e100: eth0: e100_watchdog: link up, 100Mbps, full-duplex
eth0: no IPv6 routers present
```

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```
dmesg | grep e100
e100: Intel(R) PRO/100 Network Driver, 3.0.18
e100: Copyright(c) 1999–2004 Intel Corporation
e100: eth0: e100_probe: addr 0x80120000, irq 11, MAC addr 00:00:E2:4E:AC:F1
e100: eth0: e100_watchdog: link up, 100Mbps, full-duplex
e100: eth0: e100_watchdog: link up, 100Mbps, full-duplex
```

---

```
/etc/network/options
ip_forward=no
spoofprotect=yes
syncookies=no
```

---

```
route
Kernel IP routing table
Destination Gateway Genmask Flags Metric Ref Use Iface
localnet * 255.255.255.0 U 0 0 0 eth0
default 10.0.0.138 0.0.0.0 UG 0 0 0 eth0
```

---

```
dmesg |grep IRQ
ACPI: IRQ9 SCI: Level Trigger.
ACPI: PCI Interrupt Link [PILA] (IRQs 3 4 5 6 7 9 10 *11 12 14 15)
ACPI: PCI Interrupt Link [PILB] (IRQs 3 4 5 6 7 *9 10 11 12 14 15)
ACPI: PCI Interrupt Link [PILC] (IRQs 3 4 5 6 7 9 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [PILD] (IRQs *3 4 5 6 7 9 10 11 12 14 15)
ACPI: PCI Interrupt Link [PILE] (IRQs 3 4 5 6 7 9 *10 11 12 14 15)
ACPI: PCI Interrupt Link [PILF] (IRQs 3 4 5 6 7 9 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [PILG] (IRQs 3 4 5 6 7 9 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [PILH] (IRQs 3 4 5 6 7 9 *10 11 12 14 15)
PCI: Using ACPI for IRQ routing
ACPI: PCI Interrupt Link [PILA] enabled at IRQ 11
ACPI: PCI interrupt 0000:00:02.0[A] -> GSI 11 (level, low) -> IRQ 11
ACPI: PCI interrupt 0000:00:1f.2[D]: no GSI – using IRQ 3
ACPI: PCI interrupt 0000:00:1f.3[B]: no GSI – using IRQ 9
ACPI: PCI interrupt 0000:00:1f.4[C]: no GSI – using IRQ 10
ACPI: PCI interrupt 0000:00:1f.5[B]: no GSI – using IRQ 9
ACPI: PCI interrupt 0000:01:00.0[A] -> GSI 11 (level, low) -> IRQ 11
```

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ACPI: PCI interrupt 0000:01:01.0[A]: no GSI – using IRQ 9  
ACPI: PCI interrupt 0000:01:08.0[A] -> GSI 11 (level, low) -> IRQ 11  
Serial: 8250/16550 driver \$Revision: 1.90 \$ 48 ports, IRQ sharing enabled  
ACPI: PCI interrupt 0000:01:08.0[A] -> GSI 11 (level, low) -> IRQ 11  
ACPI: PCI interrupt 0000:00:1f.5[B]: no GSI – using IRQ 9  
i810: Intel ICH2 found at IO 0x8800 and 0x8400, MEM 0x0000 and 0x0000, IRQ 9  
ACPI: PCI interrupt 0000:01:00.0[A] -> GSI 11 (level, low) -> IRQ 11  
ACPI: PCI interrupt 0000:00:1f.2[D]: no GSI – using IRQ 3  
[<c01087f0>] do\_IRQ+0x120/0x130  
[<c01087cb>] do\_IRQ+0xfb/0x130  
Disabling IRQ #3  
ACPI: PCI interrupt 0000:00:1f.4[C]: no GSI – using IRQ 10  
[<c01087f0>] do\_IRQ+0x120/0x130  
[<c01087cb>] do\_IRQ+0xfb/0x130  
Disabling IRQ #10  
uhci\_hcd 0000:00:1f.2: Unlink after no-IRQ? Different ACPI or APIC settings may help.

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<http://www.mishkah.org>

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