

INTERLAB

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ISSUE: Licensing needs MAC address – force Ethernet to stay up regardless eth status detection

Concerned platforms:

LIGHTWORKS Softworks, Alacrity, touch (in certain conditions)

Vernouillet, 20.11.2006

ISSUE & SITUATION:

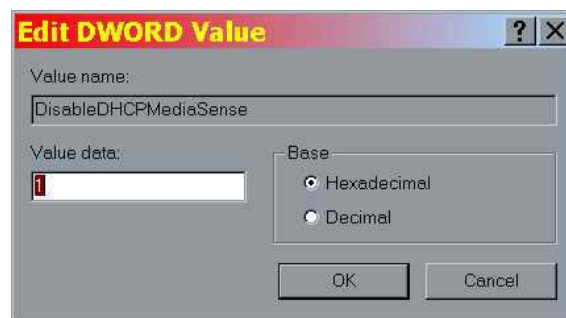
When licensing is attached to Ethernet and there is no cable connected, Windows detects it and shuts down the service. Then the application shows up as un-licensed. This effect can also interfere when your machine contains more than one Ethernet board (copper, wifi or 1394).

To avoid this situation, connect a switch to your unit, avoid using cross over cables, when the other unit is off, your unit sees it as “un-plugged”. **When you have no choice you can also go in registry and force Windows to stay up regardless the status the connection detection returns.**

SOLUTION:

Go to regedit (Start / Execute + “**regedit**”)

1. Start Registry Editor.
2. Locate the following registry sub key:
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\Tcpip\Parameters
3. Add the following registry entry to the Parameters sub key:
 - a. Name: **DisableDHCPMediaSense**
 - b. Data type: REG_DWORD (Boolean)
 - c. Value: **1**
4. reboot



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Note: The NetBEUI protocol and the IPX protocol do not support Media Sensing.

Note: This entry controls the behavior of Media Sensing. By default, Media Sensing events trigger a DHCP client to take an action. For example, when a connect event occurs, the client tries to obtain a lease. When a disconnect event occurs, the client may invalidate the interface and routes. If you set this value data to 1, DHCP clients and non-DHCP clients ignore Media Sensing events.

To find out go to regedit (Start / Execute + “cmd”)

In the command window type : “ipconfig -all”

ETHERNET OFF

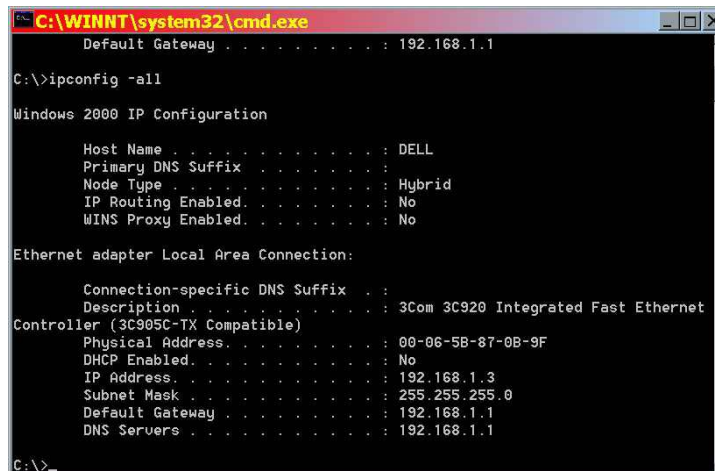


```
C:\WINNT\system32\cmd.exe
C:\>ipconfig -all
Windows 2000 IP Configuration

Host Name . . . . . : DELL
Primary DNS Suffix . . . . . :
Node Type . . . . . : Broadcast
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No

C:\>
```

ETHERNET UP



```
C:\WINNT\system32\cmd.exe
Default Gateway . . . . . : 192.168.1.1
C:\>ipconfig -all
Windows 2000 IP Configuration

Host Name . . . . . : DELL
Primary DNS Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . . :
Description . . . . . : 3Com 3C920 Integrated Fast Ethernet
Controller (3C905C-TX Compatible)
Physical Address. . . . . : 00-06-5B-87-0B-9F
DHCP Enabled. . . . . : No
IP Address. . . . . : 192.168.1.3
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.1.1
DNS Servers . . . . . : 192.168.1.1

C:\>
```

Pls. send us your feel back.
Rev.0 – David 20.11.06

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