## CONFIGURING NETWORK CARD PROPERTIES IN WINDOWS XP

- **1.** If necessary, install a network card in the computer. Follow the manufacturer's installation instructions.
- 2. Login as a User that has administrative access rights.
- 3. Click Start, then Control Panel, then Network and Internet Connections.
- **4.** Click on **Network Connections**. The Network Connections window will be displayed. A separate icon will be displayed for each network card that is installed in the PC. By default, the name given to each network card is "Local Area Connection". You can rename the icons to something more descriptive by right-clicking on the icon and then selecting Rename. For example, you might want to change the name to Sierra, or maybe to EMG\_EEG as shown in the picture below.



**5.** To configure the network properties for a Cadwell system; **Right click** over the appropriate icon and then select **Properties**. The properties window will be displayed as shown in the next picture.

🔸 EMG_EEG Properties	?×
General Authentication Advanced	
Connect using:	
3Com EtherLink XL 10/100 PCI TX NIC (3C905B-TX)	
Configure	5
This connection uses the following items:	_
Client for Microsoft Networks   File and Printer Sharing for Microsoft Networks   Question of the scheduler  Comparison of the sch	
Internet Protocol (TCP/IP)	
Install Uninstall Properties	
Description	
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	
Show icon in notification area when connected	
OK Can	cel

- 6. First, remove the check marks next to <u>Client for Microsoft Networks</u>, <u>File and</u> <u>Printer Sharing for Microsoft Networks</u>, and <u>QoS Packet Scheduler</u>. Be sure to leave the check mark next to <u>Internet Protocol (TCP/IP)</u>. Internet Protocol (TCP/IP) should be the only one checked.
- 7. <u>Optional:</u> Place a check mark next to "Show icon in notification area when connected" if you want Windows to tell you when the connection to the Cadwell system has been made. When the connection is made you will see the following message displayed in the lower right hand corner of the desktop.



- 8. Select the Internet Protocol (TCP/IP) and then click on the Properties button.
- 9. Select "Use the following IP address". Enter 192.168.113.66 for the IP Address. Enter 255.255.255.0 for the subnet mask.

Internet Protocol (TCP/IP) Prope	rties 🛛 🥐
General	
You can get IP settings assigned autom this capability. Otherwise, you need to a the appropriate IP settings.	atically if your network supports isk your network administrator for
🔿 Obtain an IP address automatically	/
Subset the following IP address:	
IP address:	192 . 168 . 113 . 66
Subnet mask:	255.255.255.0
Default gateway:	· · ·
Obtain DNS server address autom	atically
Ouse the following DNS server add → Output DNS server add → Output DNS se	resses:
Preferred DNS server:	
Alternate DNS server:	
	Advanced
	OK Cancel

10. Click the Advanced button, and then click the WINS tab. Remove the check mark next to "Enable LM Hosts lookup" and then select "Disable NetBIOS over TCP/IP" as shown in the following picture.

	Advanced TCP/IP Settings	
	IP Settings DNS WINS Options	
	WINS addresses, in order of use:	
	t	
	Add Edit Remove	
	If LMHOSTS lookup is enabled, it applies to all connections for which TCP/IP is enabled.	
	Enable LMHOSTS lookup Import LMHOSTS	
	⊂ NetBIOS setting	
	Default: Use NetPIOS setting from the DHCP server. If static IP address is	
$\searrow$	used or the DHCP server does not provide NetBIOS setting, enable NetBIOS over TCP/IP.	
	C Enable NetBIOS over TCP/IP	
	Disable NetBIOS over TCP/IP	
	OK Cancel	

- 11. Click OK, click OK again, and then click Close/OK.
- 12. Repeat Step 5.
- **13.** Click on the **Configure** button.

rai Advanced	
nect using:	
D-Link DFE-530TX+ PCI	Fast Ethern Configure
connection uses the followi Client for Microsoft Net File and Printer Sharing QoS Packet Scheduler	ing items: works for Microsoft Networks

- 14. Click on the Advanced Tab.
- **15.** For the **Speed and Duplex property**, set the value to **10mb Full Duplex**. (Note: May also be listed as Media Type, Link Speed & Duplex, or Connection Type).



**16.** Click the **Power Management** tab. (May not be available on desktops.) **Deselect all options.** 



- **17.** Click **OK**.
- **18.** With your unit connected and powered on, click on **Start -> Run**.
- **19. Type in the following:**

(For **Cascade** instruments): "C:\cadwell\cascade\cascadeip.exe" (For **Sierra Wave** instruments): "C:\cadwell\sierrawave\sierraip.exe" (For **Sierra II Wedge** instruments): "C:\cadwell\sierrawin\sierraip.exe" **Note:** EEG Systems do not require this.

20. Click OK in the window that is displayed.

