Reprogramming the NavLabs device manager

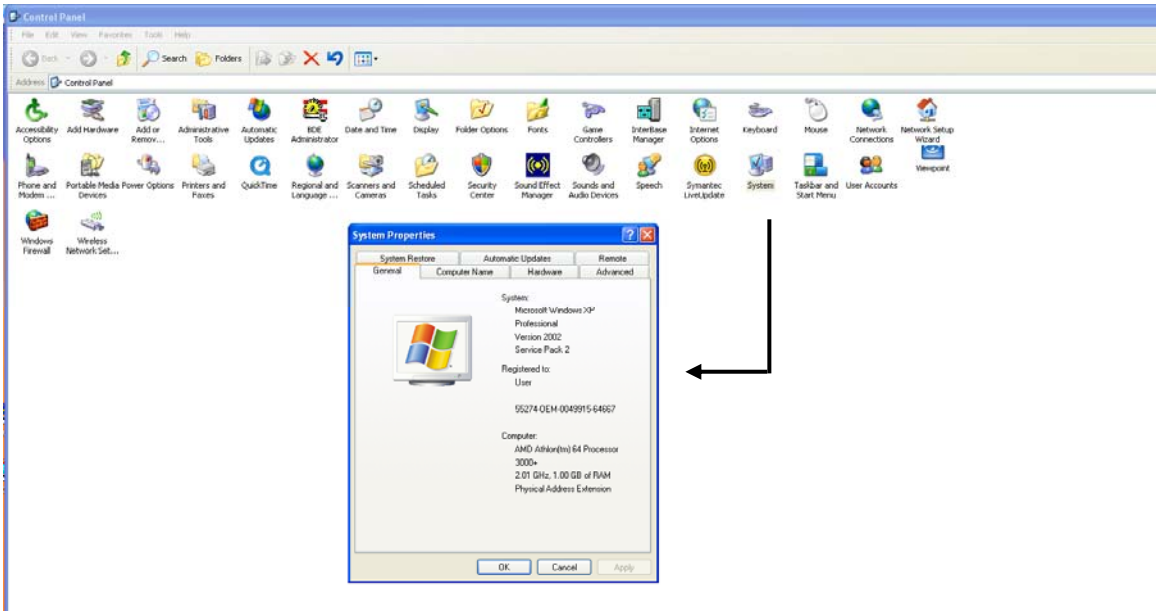
Warning: *The GPS simulator digital board and its associated device driver is the heart of the operation of the simulator. Do not attempt to modify or configure the device driver unless instructed to do so by NavLabs or one of it's authorized vendors. An incorrect attempt to configure the device driver will result in the simulator having to be returned to the factory. If this has happened call NavLabs and obtain an RMA number and return the simulator for repair.*

If your simulator has had it's power interrupted or has been turned off without following the Windows XP shutdown procedures, you may find that your simulator behaves erratically, lock up, or not produce any RF output.

A. Accessing the device driver.

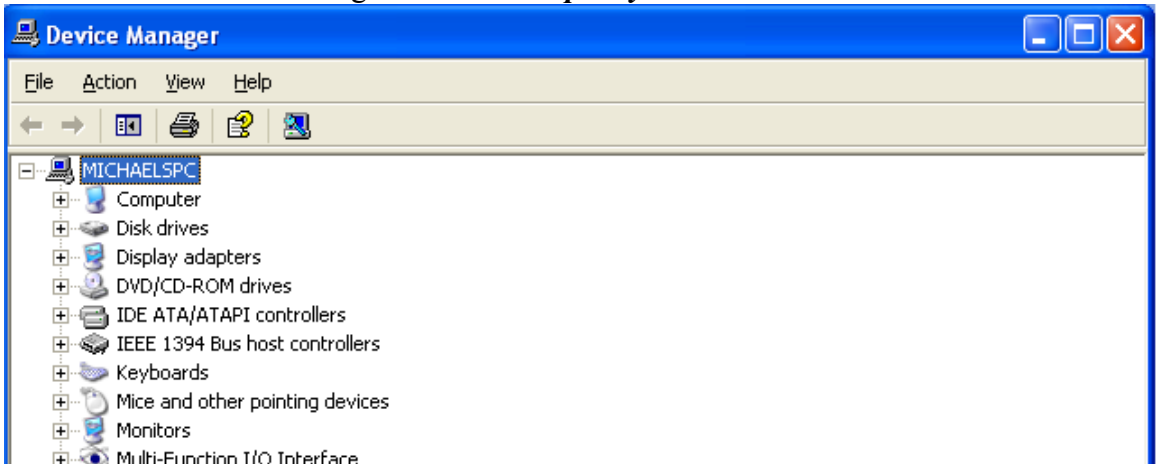
   From the start menu select **Settings | Control Panel**

B. From the control panel find the **System** icon and select it.



C. Select the **Hardware** Tab and the **Device Manager** button.

D. From the device manager locate the ***Tapestry GPS Simulation device*** near the bottom of the screen – expand it



E. The location of the firmware and what files to use differ by configuration (L1 C/A, L1/L2, L2C L5, M) . The correct hex files to load are as follows:

14 channel L1 C/A:

X1: Using the browse button, load into X1:

C:\tapestry\digisim\Digisim115\Labpro1000HexFiles\sim1_1000_Ver1.hex

X2: Click on the ICON to the left of X2 and make it have a minus sign – like the example shown above. For L1 C/A there is no second X2 chip.

X3: This is the usual file missing. Using the browse button load into X3:

C:\tapestry\digisim\Digisim115\ Labpro1000HexFiles\ RF_inter_1000_ver1.hex

Memory Map Version: set to 1

12 channel L1 C/A L1P, L2P

X1: C:\tapestry\digisim\Digisim115\Labpro2000HexFiles\sim1_2000_Ver1.hex
X2: C:\tapestry\digisim\Digisim115\Labpro2000HexFiles\sim2_2000_Ver1.hex
X3: C:\tapestry\digisim\Digisim115\Labpro2000HexFiles\RF_inter_2000_Ver1.hex

Note: After selecting the X1 file location goes blank – when you program X2 then X1 will get filled in and X2 will be blank. Ignore this – everything is fine we just have a "feature" in the GUI.

Memory Map Version: set to 1 (*Setting may not be present with older version of Device Driver*)

F. Press Apply and the device manager will flash the digital board.

G. Use the **BitTest** program – either on the desktop or located in c:\voyager\BitTest . Double click and it will read the status of the board. You should find All chips programmed and both the 12 VDC and 5 VDC present. If the voltages come back 0 then check that you have plugged in both cables. If so, check the fuse on the back of the chassis and replace it with a 2.0 Amp slow blow.