

## Installing Nistune Base Image Programmer

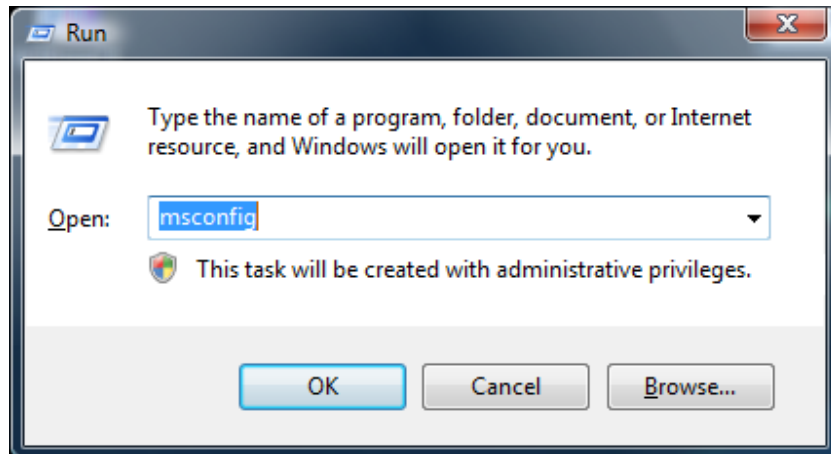
Windows 2000, XP, Vista, 7  
(32 bit versions only)

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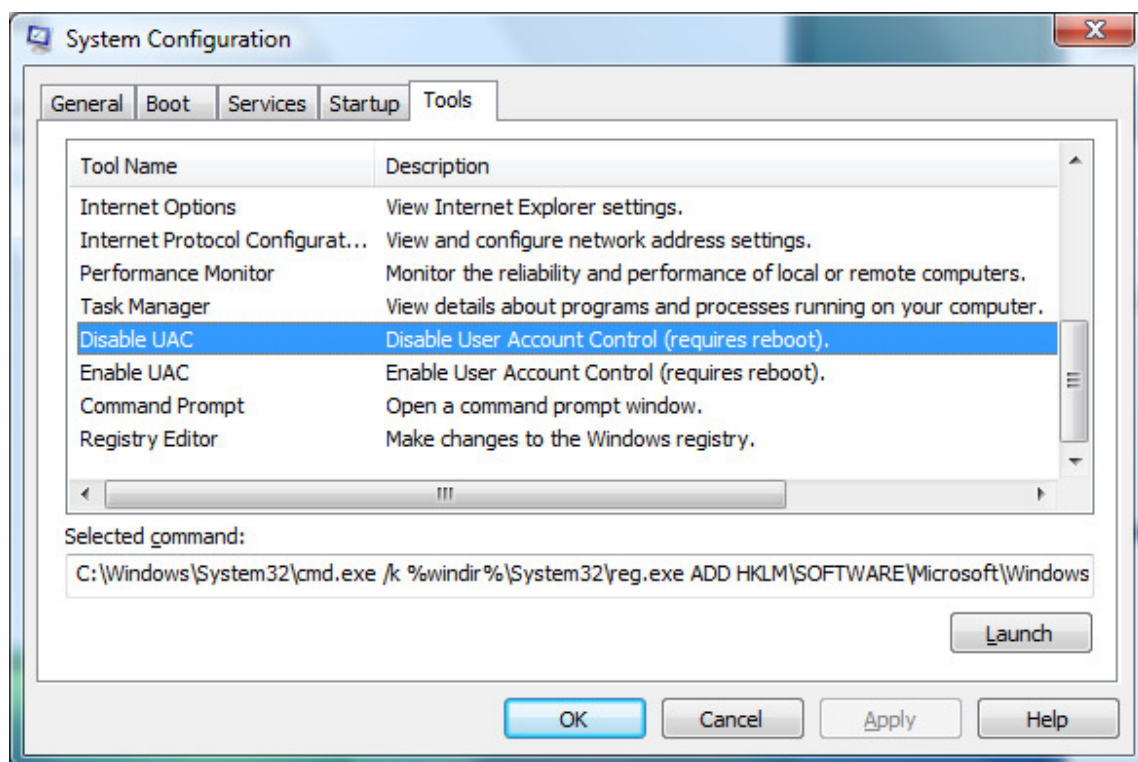
## Additional Install for NTProgCE on Windows Vista / Windows 7

Windows Vista requires an additional step when installing the DriverLynx parallel port drivers for the programmer board on your machine.. Otherwise windows will display an error "DriverLynx Port I/O Driver - DLPORTIO.SYS device driver not loader. Port I/O will have no effect"

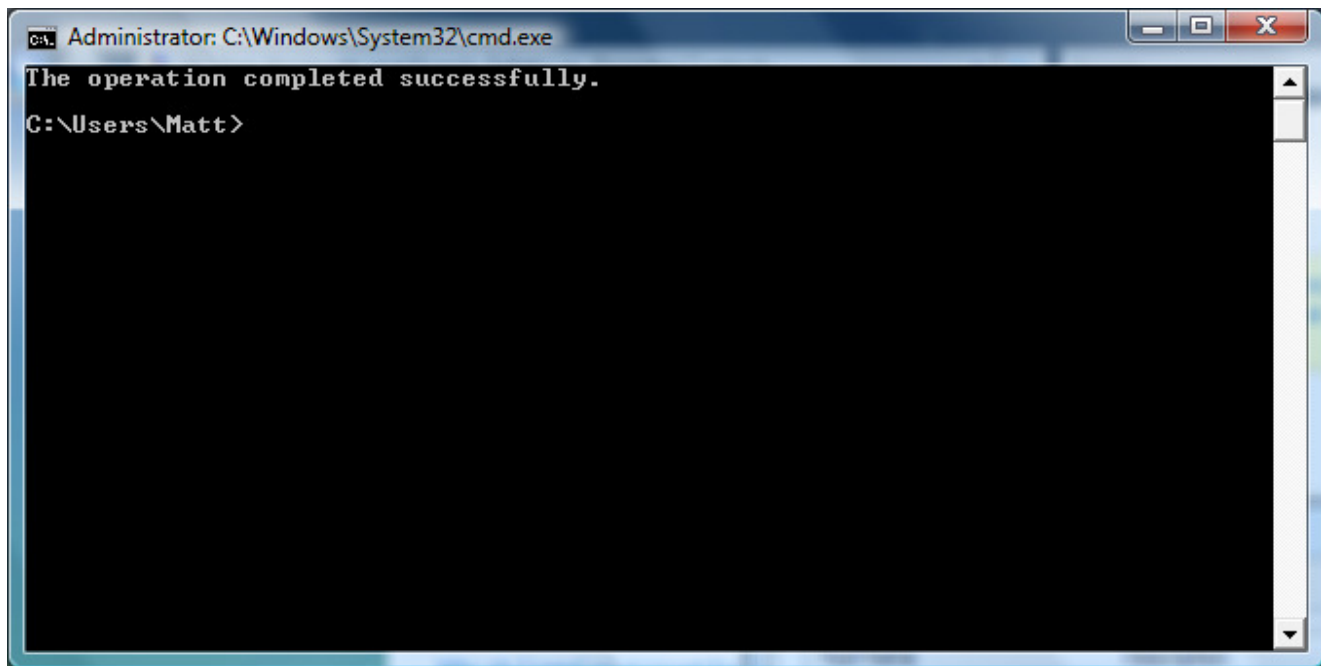
1. Start - Run
2. Enter 'msconfig' as program to run



3. Select Tools tab



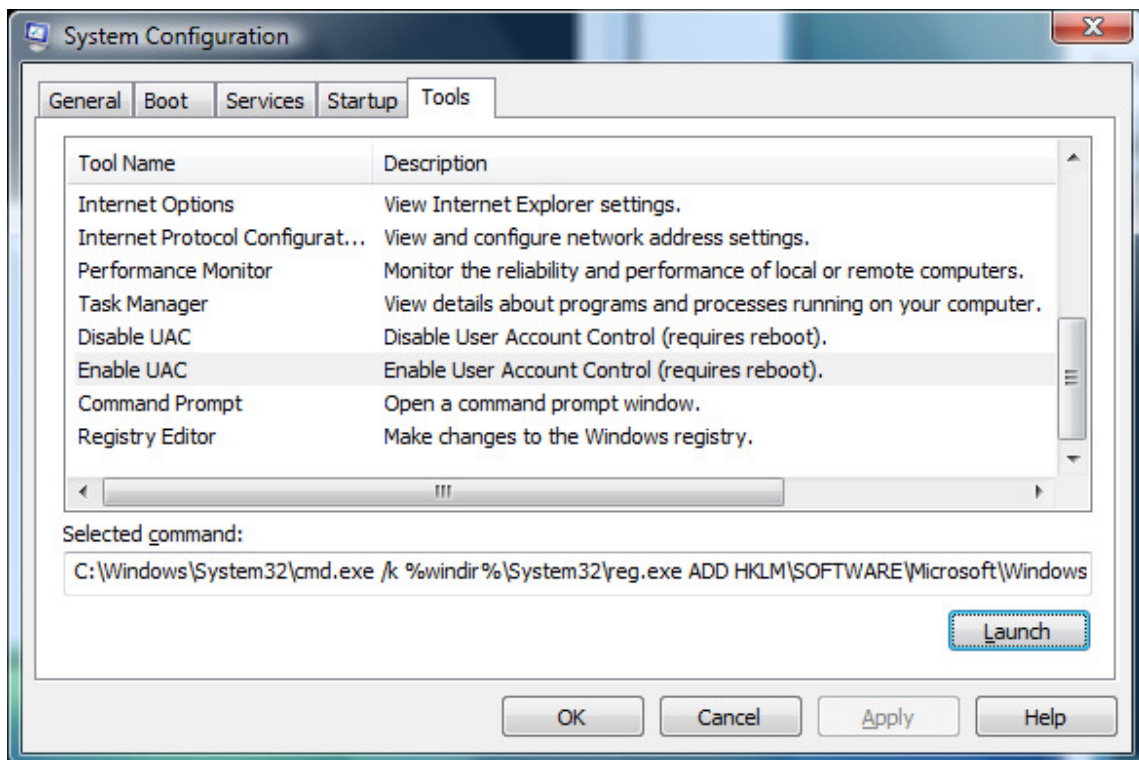
4. Tools - Launch Disable UAC



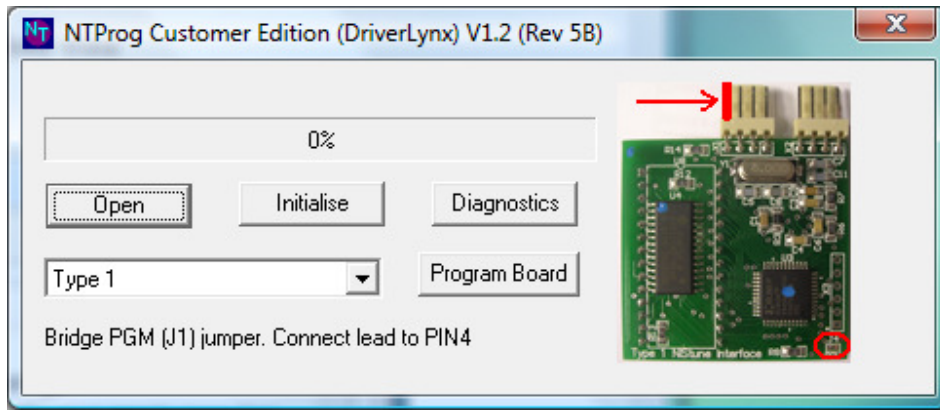
5. Close Window

Install NTProgCE as per instructions for Windows 2000/XP below. This will also install the DriverLynx software and parallel port drivers. Following installing the drivers you will be prompted to reboot windows Vista / 7. These drivers will not work on 64 bit windows machines, and may cause NTProgCE to crash if this is attempted.

6. After rebooting, launch Enable UAC



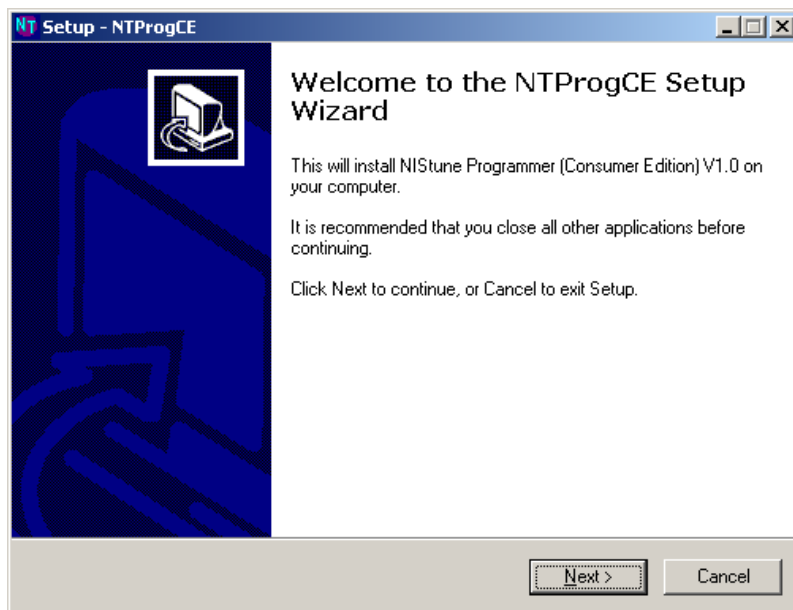
7. Then run NTProgCE after installing it on your machine



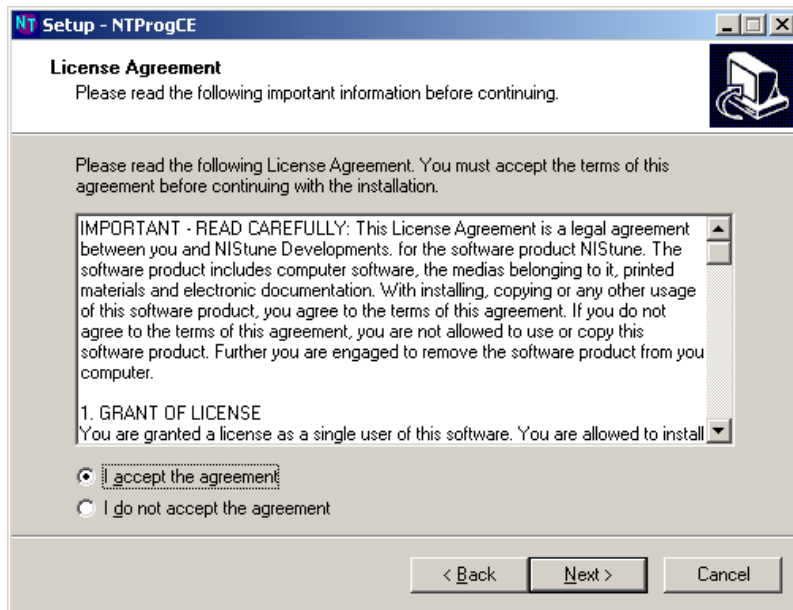
8. If windows displays an error still when launching NTProgCE then request the dlportio.sys file from NISTune Developments and copy to the C:\Windows\System32\drivers directory

## Installing NTProgCE on Windows 2000 / XP / Vista / 7

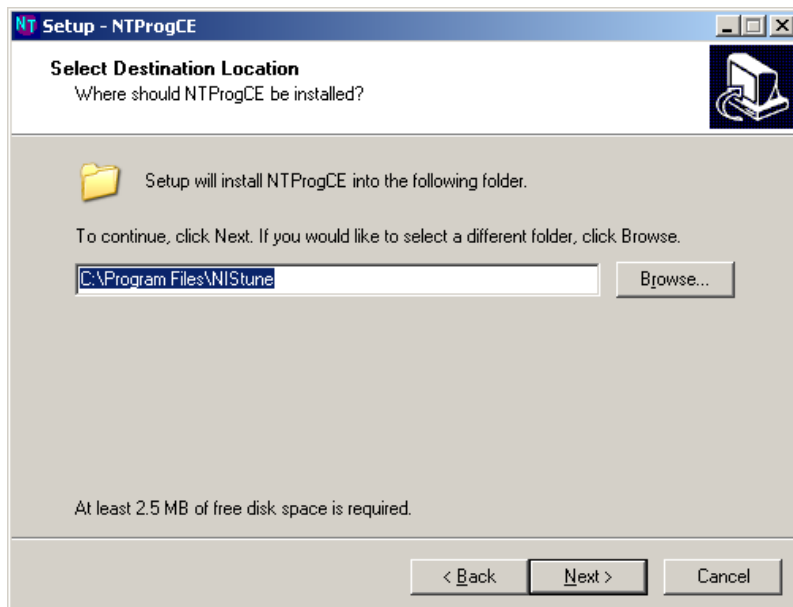
After downloading NTProgCE, follow the installation prompts as below. Ensure that on Windows 2000/XP that you are logged in with Administrative privileges. Otherwise DriverLINX software install will not work.



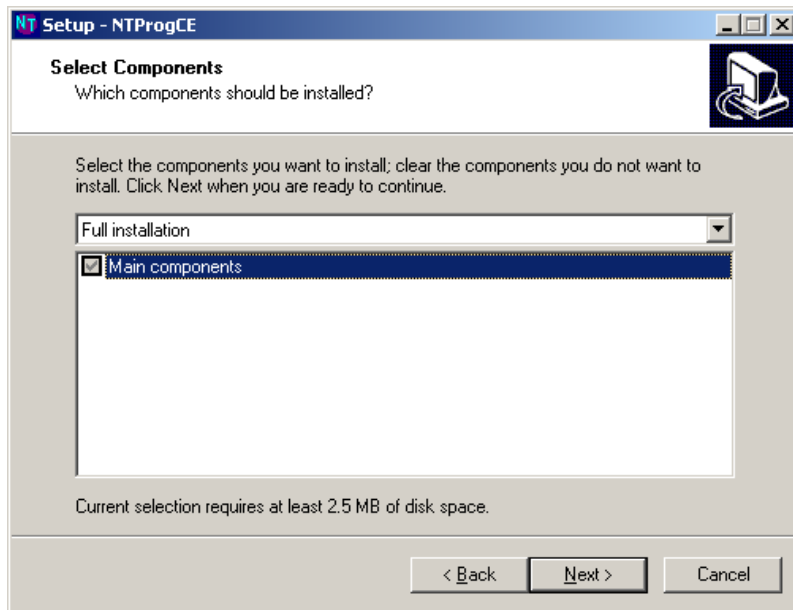
Next



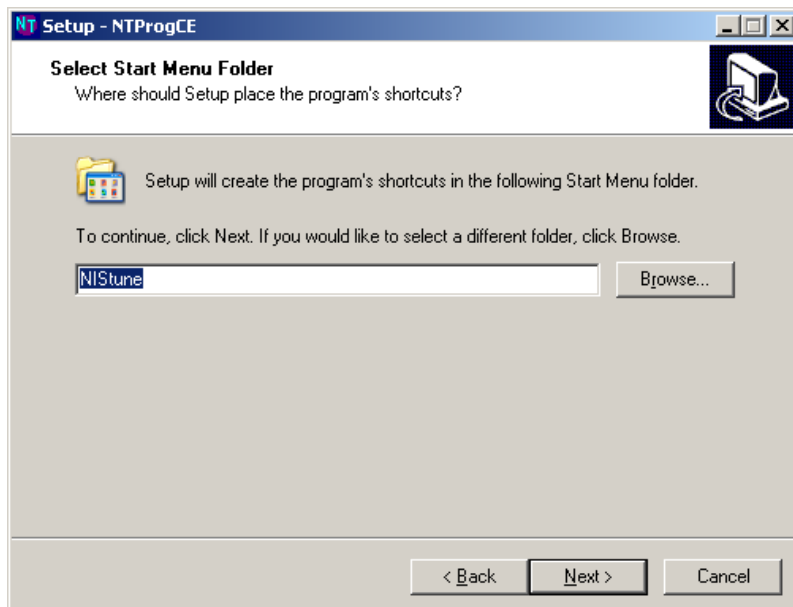
Read and then accept, then Next



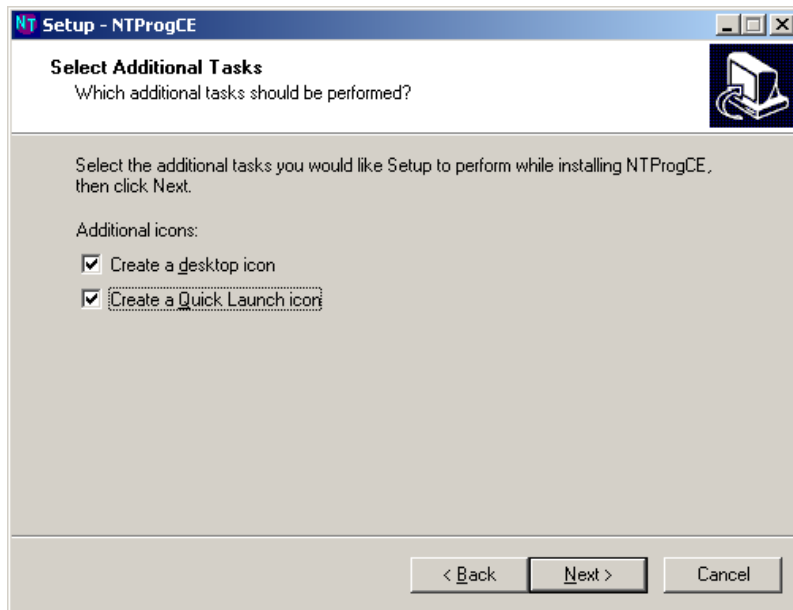
Install in NISTune executable folder, then Next



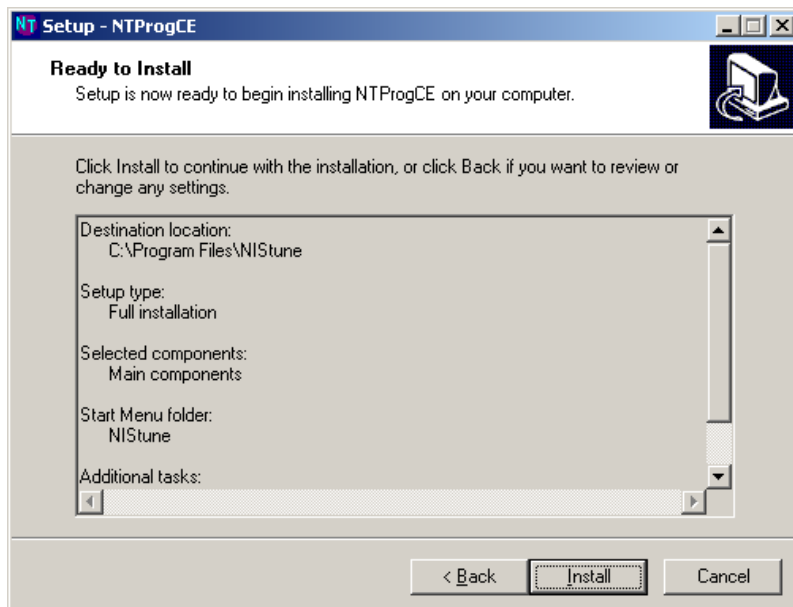
Click Next



Click Next



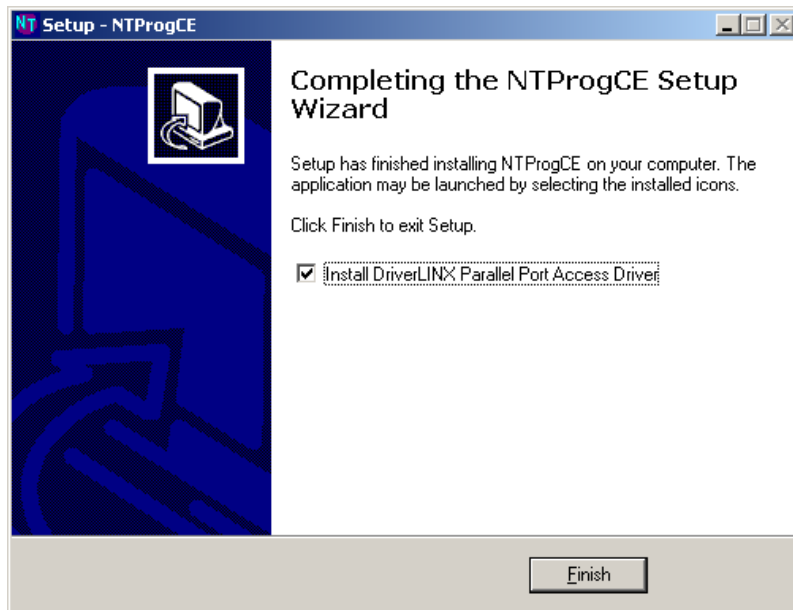
Suggested that you create icons, so tick these then Next



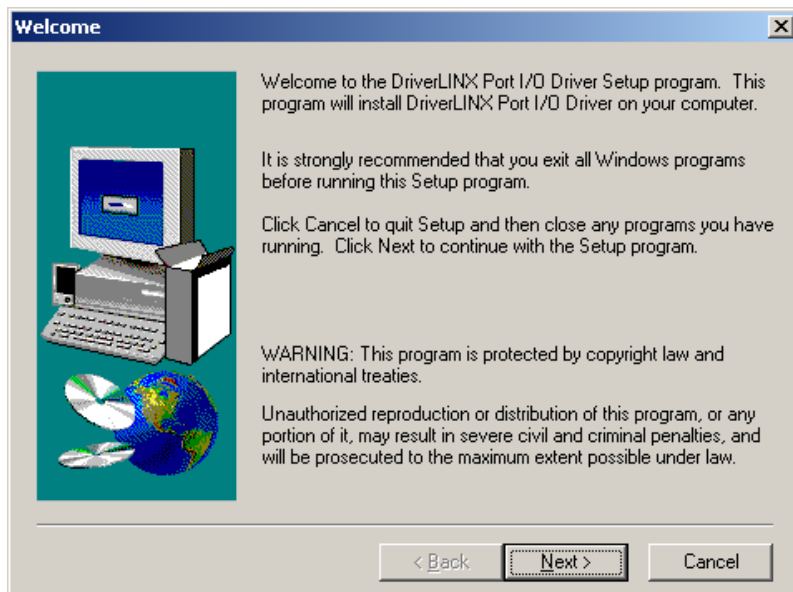
Now click Install. Then the installer will copy several files to your NISTune folder.

Following this you will be asked if you wish to install the DriverLINX Parallel Port Access Driver. This is an independent component that NISTune uses to communicate with devices such as the Willem programmer on the parallel port.



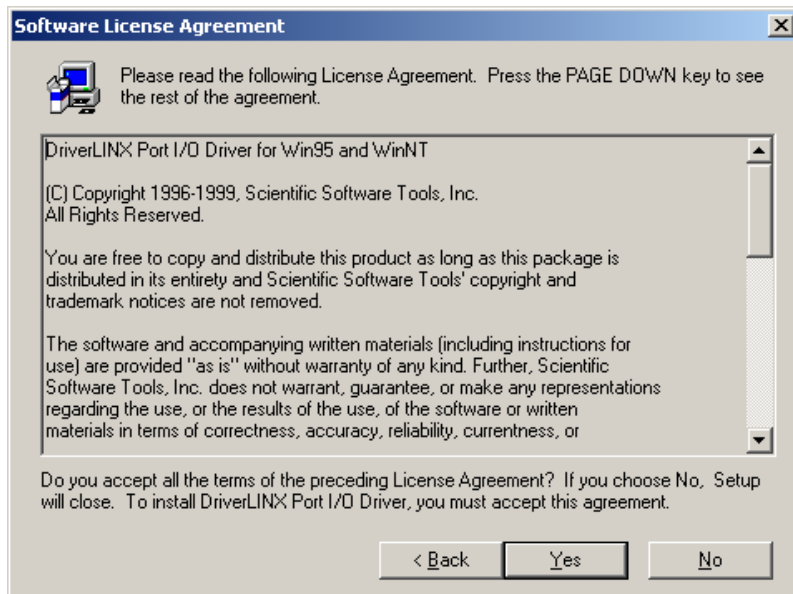


Click Finish to start the DriverLINX installer.

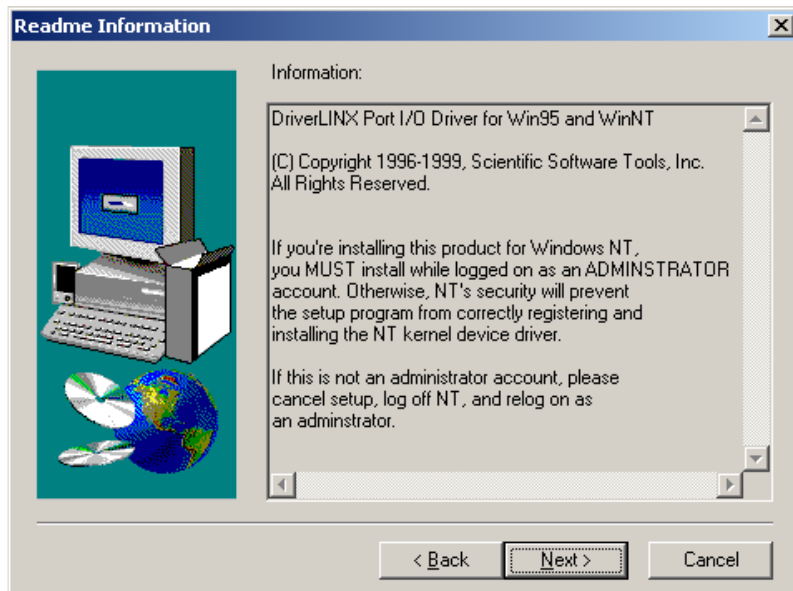


Click Next

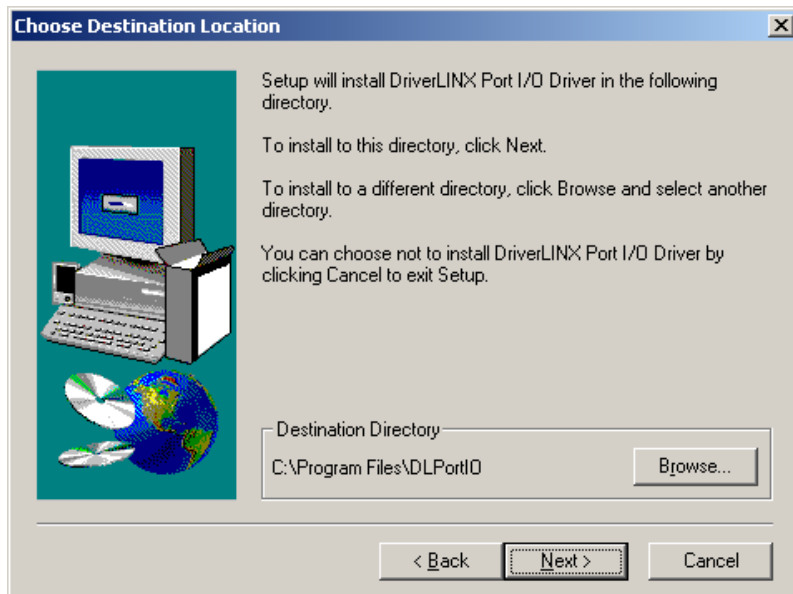




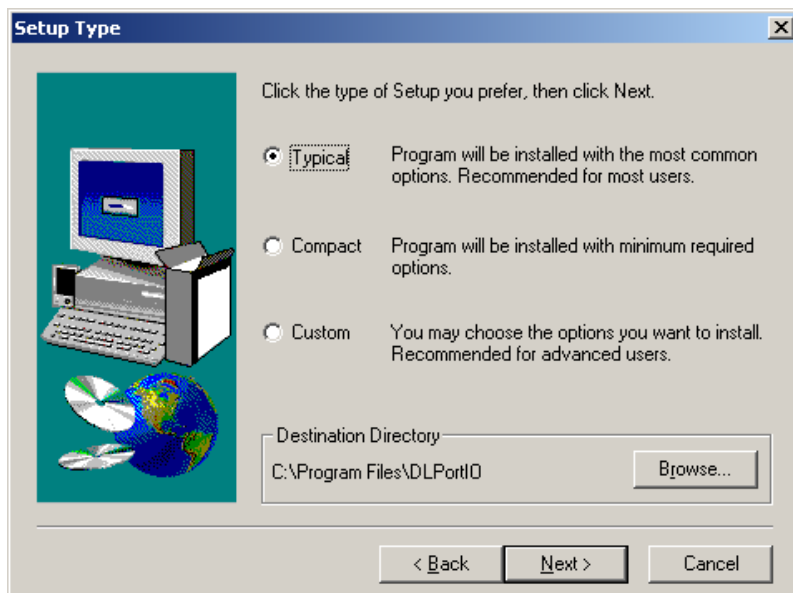
Read and Yes to accept.



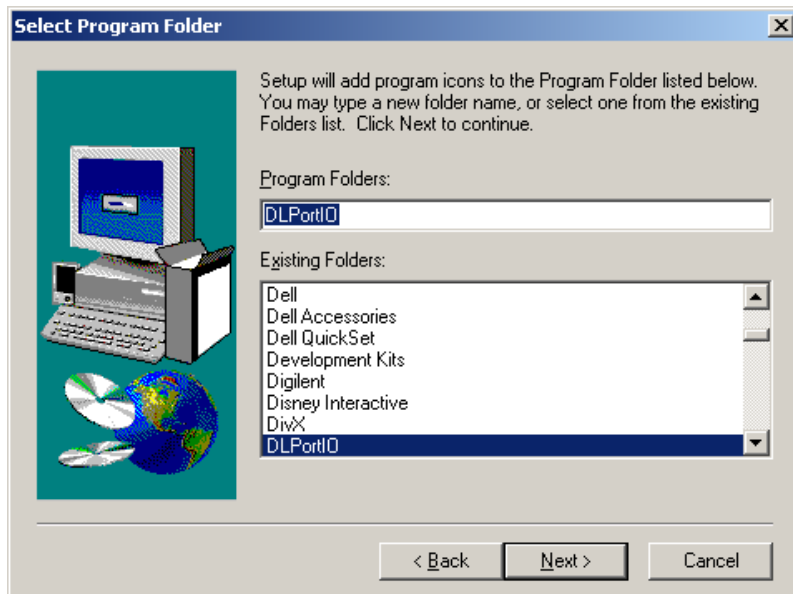
Note the information, that you must be logged in as Administrator. Then click Next if you are otherwise you must cancel.



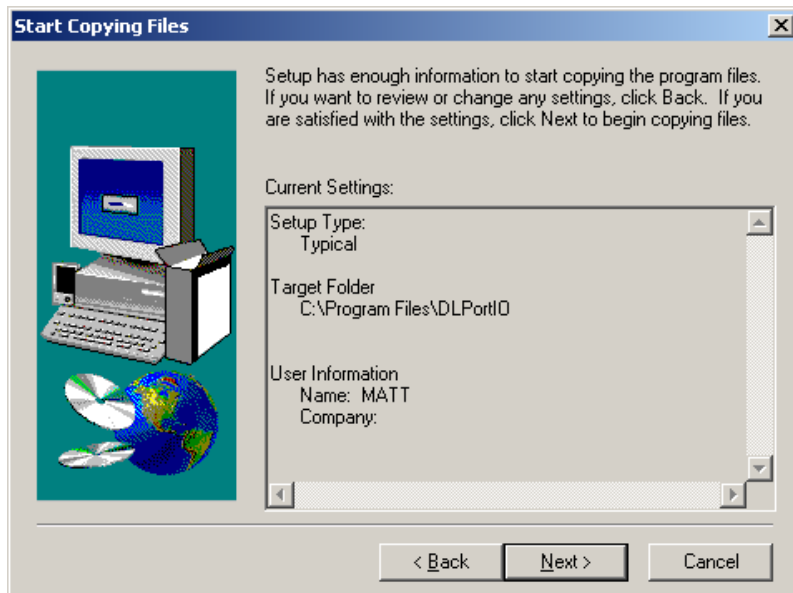
Next to use the default DLPortIO directory



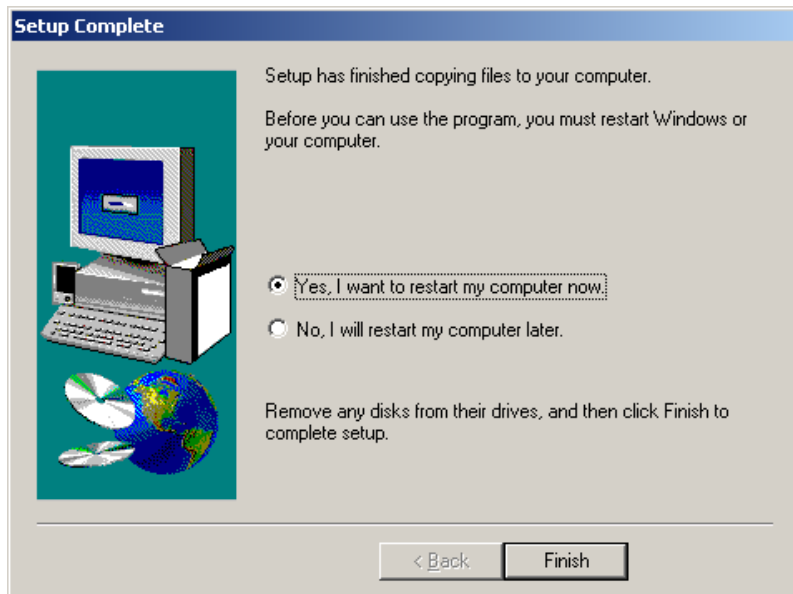
Select Typical installation then Next



Click Next



Click Next



Then click Restart your computer to use the drivers.

## Additional instructions for USB Base Image Programmers

### USB Driver Installation

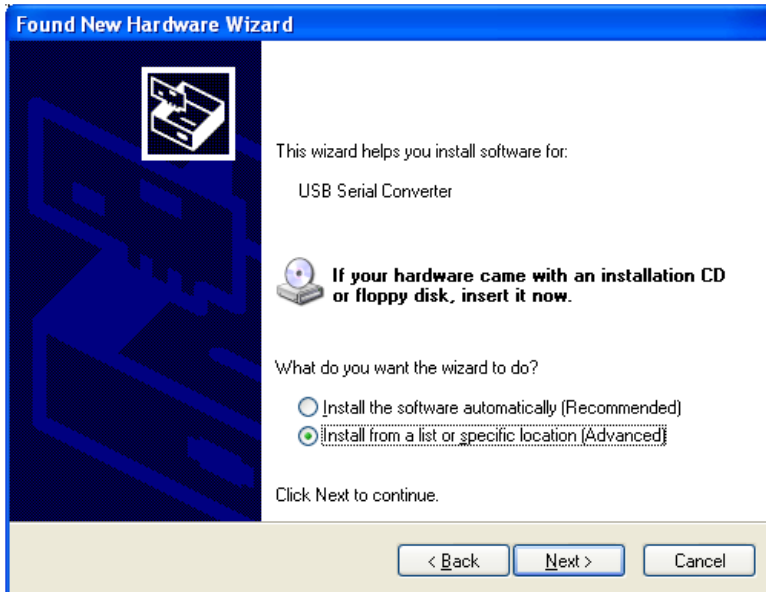
When you plug in the programmer, the programmer PWR IN LED (RED) will turn on and the CS LED (ORANGE) should flash multiple times

Windows should detect a device is connected and will ask for drivers. Point windows to the PLMS consult cable folder (mentioned above) and be sure to install both the USB driver *and* USB COM port driver

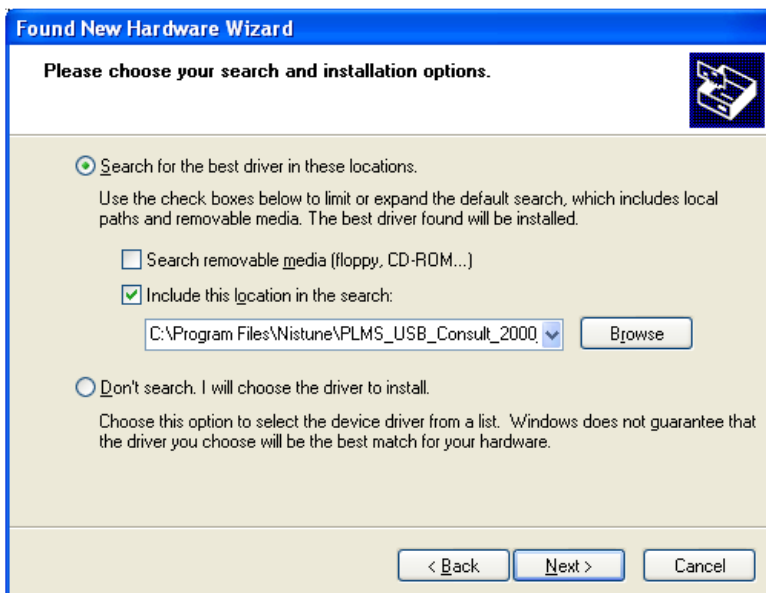
1. Specify 'No' to looking in Windows Update for drivers



## 2. Install from a specific location



## 3. Point to where the FTDI drivers are installed in the Nistune installation folder



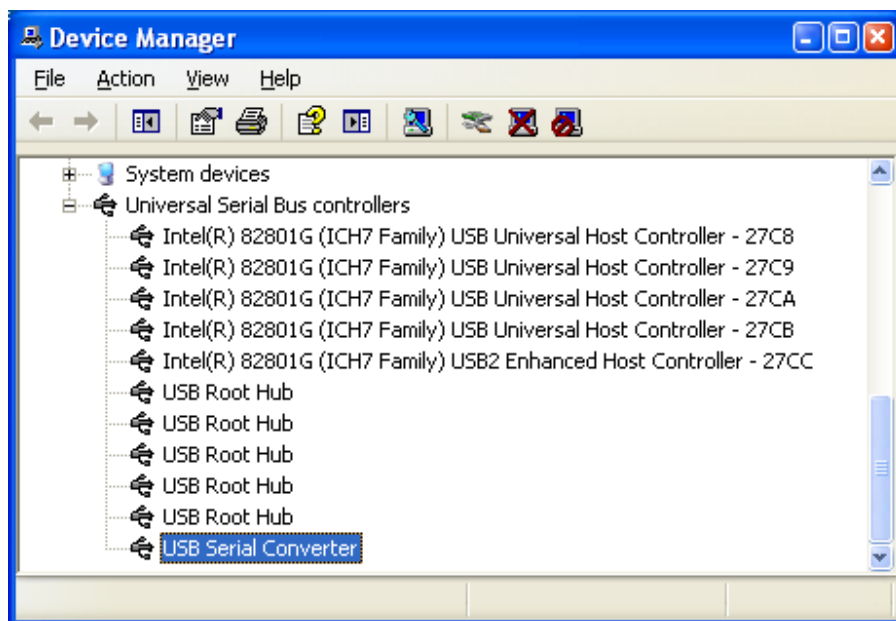
Then repeat the above for when 'USB Serial Port' gets detected

## Check Driver Installation and COM port

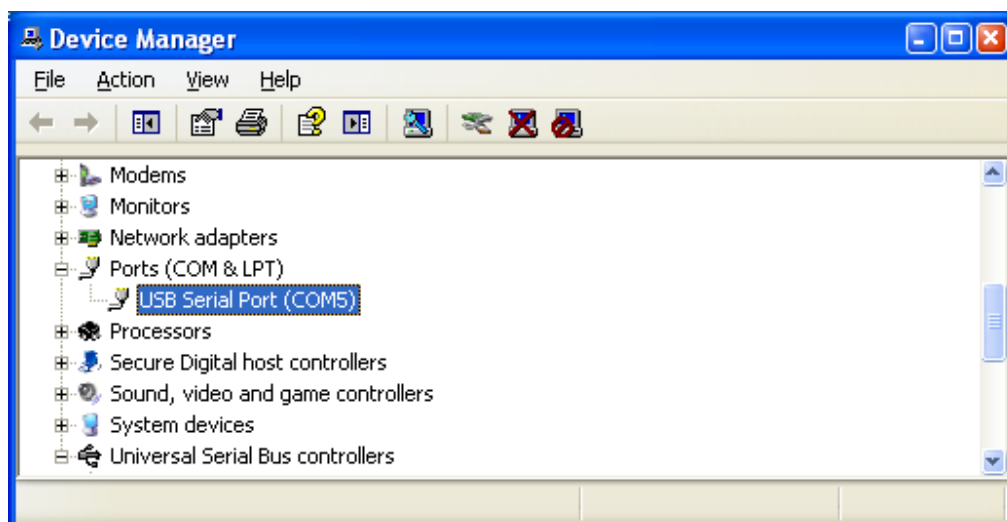
To confirm the drivers are installed correctly, check inside Device Manager

Start > Settings > Control Panel > System > Hardware > Device Manager

Below the programmer appears as 'USB Serial Converter'



You should then have a COM port matching this when you plug in the programmer



Use this to select your COM port inside NTProg.

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