True-Trak 2020™ Version 8 Office Workstation Setup

Overview

Monitoring Computer

A True-Trak 2020™ "Monitoring Computer" is a stand-alone computer that connects to either a FasTrak2™ monitor board or Sure-Trak2™ control board to display and record shots.

Office Workstation

An "Office Workstation" is a separate computer that connects to the Monitoring Computers. The Office Workstation displays the shots from all of the Monitoring Computers as they are made, allowing you to monitor the current state of all of your die cast machines from one central location.

Network

The computers are connected with an ethernet network. Normally this is a local workgroup with limited connection to the outside world. The programs use peer-to-peer file sharing where each Monitoring Computer keeps it's own shot data on it's local drive and shares this with the Office Workstation.

Details are included in the following sections:

Office Workstation Network Setup

Overview

The following describes setting up a local Microsoft client network using workgroups (as opposed to a domain). For the purposes of this discussion the term "network" will refer to this local client network.

Since there will be no DHCP server you must assign each computer a fixed IP address. IP addresses are composed of four "octets" like 192.168.254.100. Each octet can be from 0 to 255. For this network the first three octets will remain constant and the last one will change for each computer on the network.

The FasTrak2™ and Sure-Trak2™ boards are set to use addresses with the first three octets set to 192.168.254. The computer network should use a different set of octets. For this documentation **10.172.16** will be used for the first three octets for the addresses of computers on the network.

Each computer will need to have a unique address with the first three octets, 10.172.16, the same and the last octet different for each one.

You should decide on and record the IP addresses of each computer before you begin.

For example,

Computer	IP Address
Monitoring Computer #1	10.172.16.100
Monitoring Computer #2	10.172.16.101
Office Workstation	10.172.16.102

Naming the Computers

In addition to the IP address each computer on the network must have a unique name. The name is normally 15 characters or less and can NOT have any spaces. You-can-use-hyphens instead of spaces.

Older versions of the True-Trak 2020™ software restricted the network names of the True-Trak computers to three characters or less with the following naming conventions.

WS0	(W S zero) The Office Workstation.
W01	Monitoring computers are named with a leading 'W' followed by the number of the machine they are monitoring [1,99]; For machine 1 this would be W01 (W zero one). For machine 99 it would be W99.

This three character limit is no longer true and you can now name the computers whatever you wish.

Setting Up the Network on the Monitoring Computer

It is assumed that the Monitoring Computer has been used as a stand alone computer and is not currently connected to the network.

The monitoring computer has two ethernet ports labeled "FasTrak2 Direct Connection" and "Local Area Connection".

On a standalone system the "FasTrak2 Direct Connection" is connected directly to the FasTrak2™ board.

On a DCT, which is a single monitoring computer connected to more than one FasTrak2 board, the "FasTrak2 Direct Connection" is connected to the same ethernet switch as the "Local Area Connection".

In either case the "Local Area Connection" is available to connect to the network. The RJ45 ethernet connecter for the cable from the network is located on the top of the Monitoring Computer's cabinet.

Show the Network Connections by pressing the "Start" button, choosing "Settings", and then "Network Connections" as shown here.
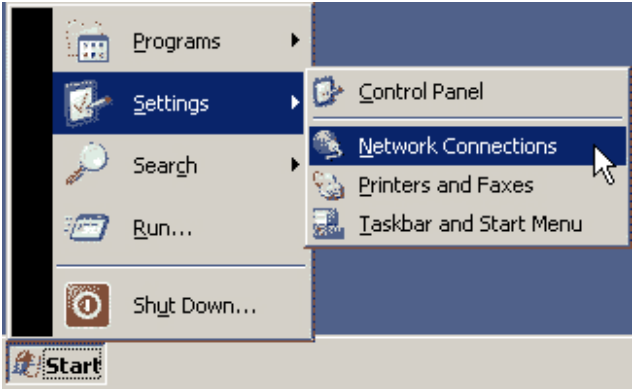
The Network Connections folder will show the two ports, the FasTrak2 Direct Connection and the Local Area Connection. Double click the icon to the left of the "FasTrak2 Direct Connection"
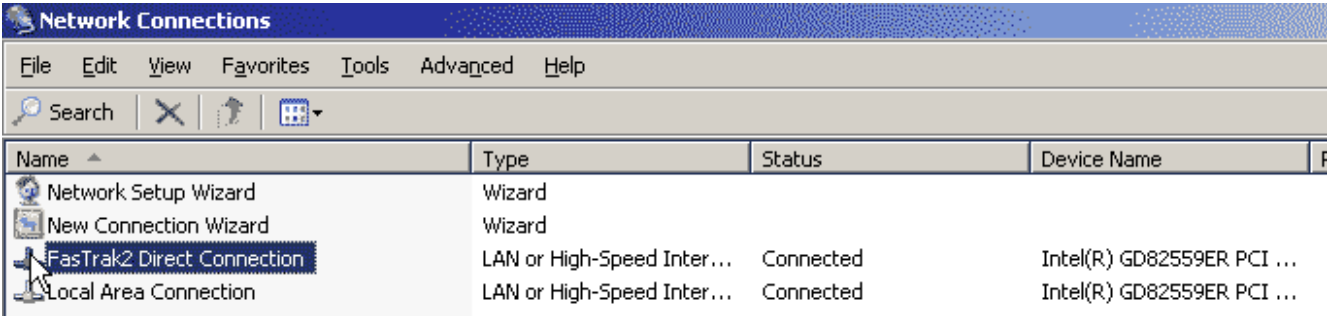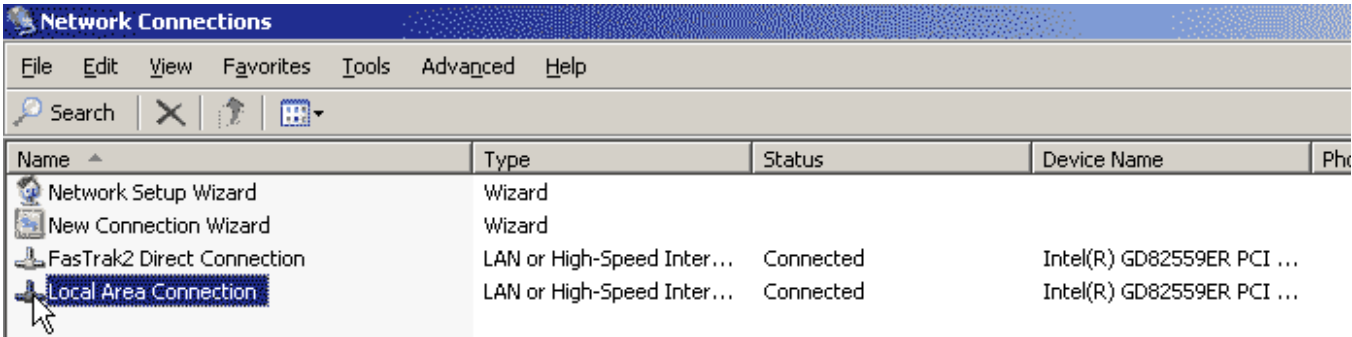
A status screen will appear. Press the "Properties" button.
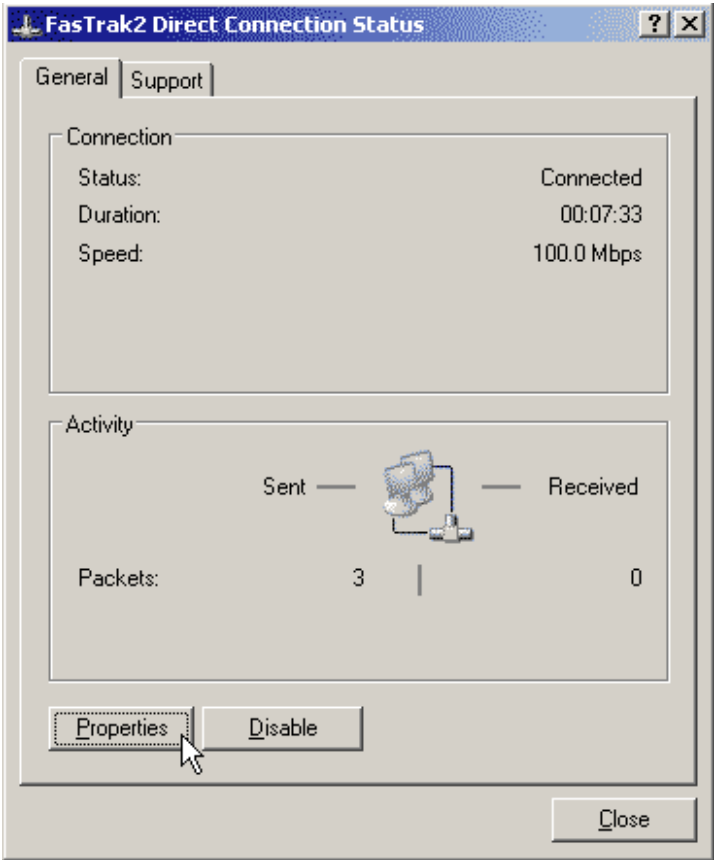
Since this port is only used for talking to the FasTrak2™ board you need to make sure that the "Client for Microsoft Networks" and the "File and Printer Sharing for Microsoft Networks" are both UNCHECKED as shown below. Press "OK" when you are finished and then press the "Close" button on the status screen for this port.
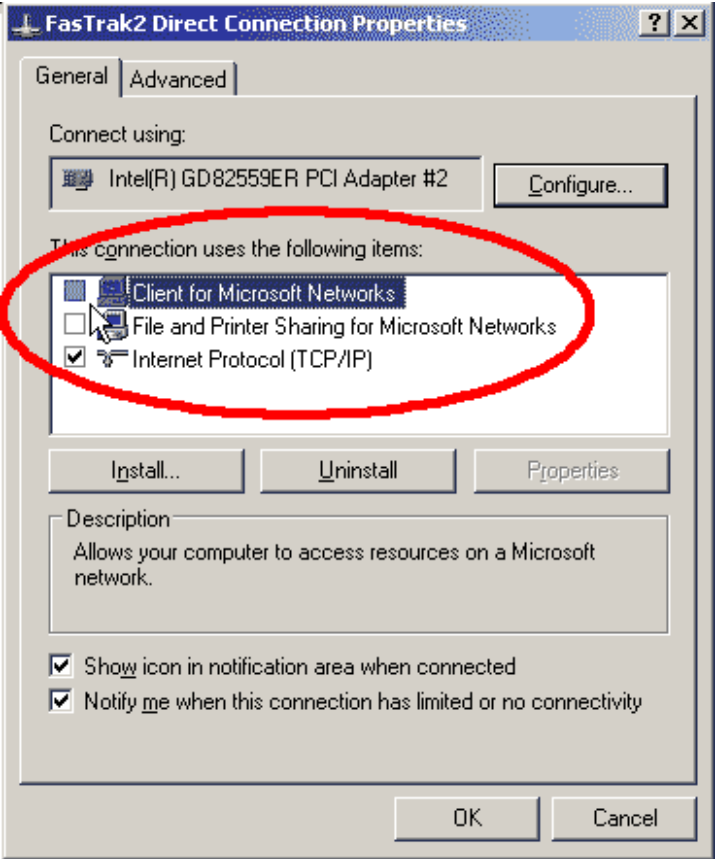
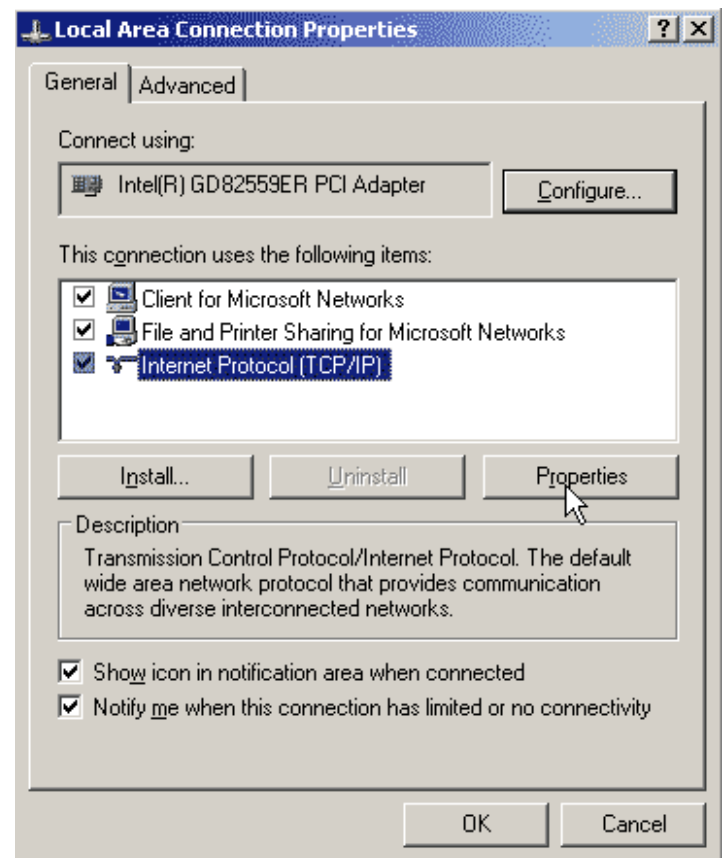Double click the icon to the left of the "Local Area Connection".

When the status screen appears press the "Properties" button.
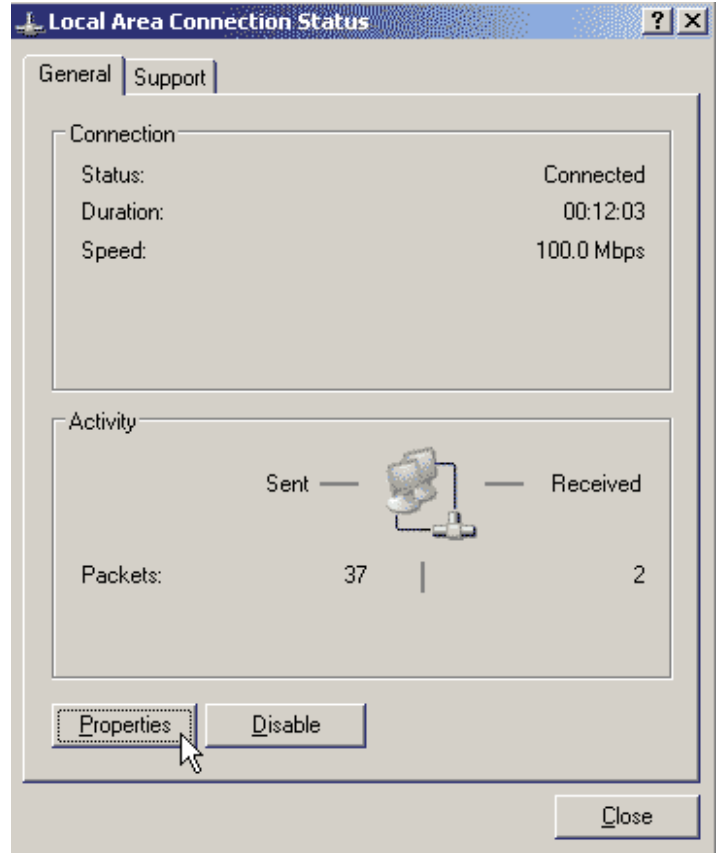
Make sure both the "Client for Microsoft Networks" and the "File and Printer Sharing for Microsoft Networks" are CHECKED.

Click ONCE on the "Internet Protocol (TCP/IP)" to highlight it and then press the "Properties" button.

This will bring up the properties screen for the Internet Protocol. The port will probably be set to "Obtain an IP address automatically" as shown below.
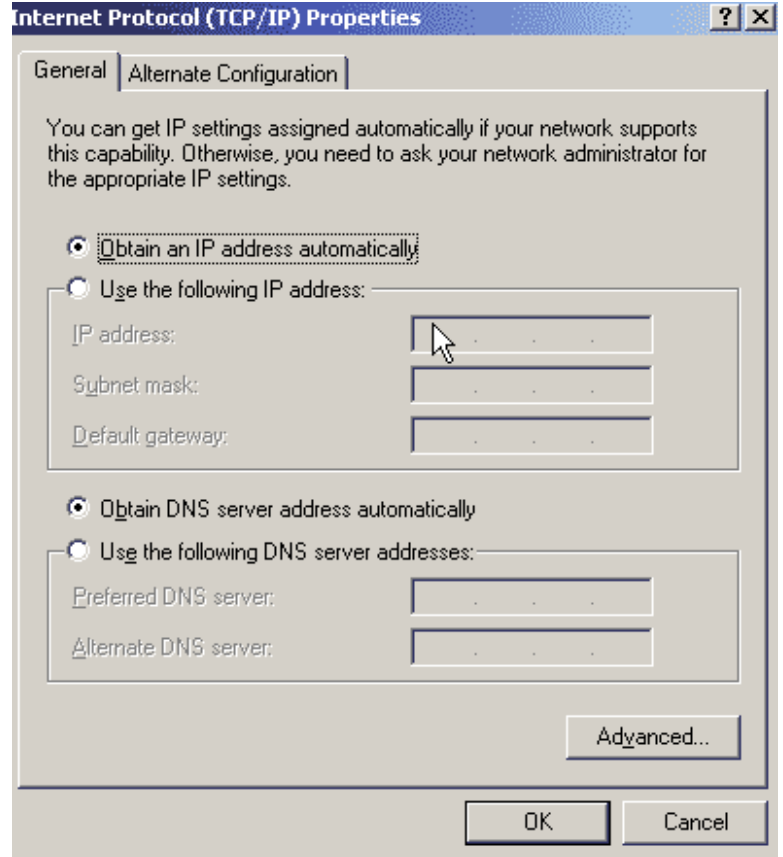
Click on the "Use the following IP address" radio button. This will enable the edit fields for the IP address. Enter the "IP address" and "Subnet mask" as shown below.
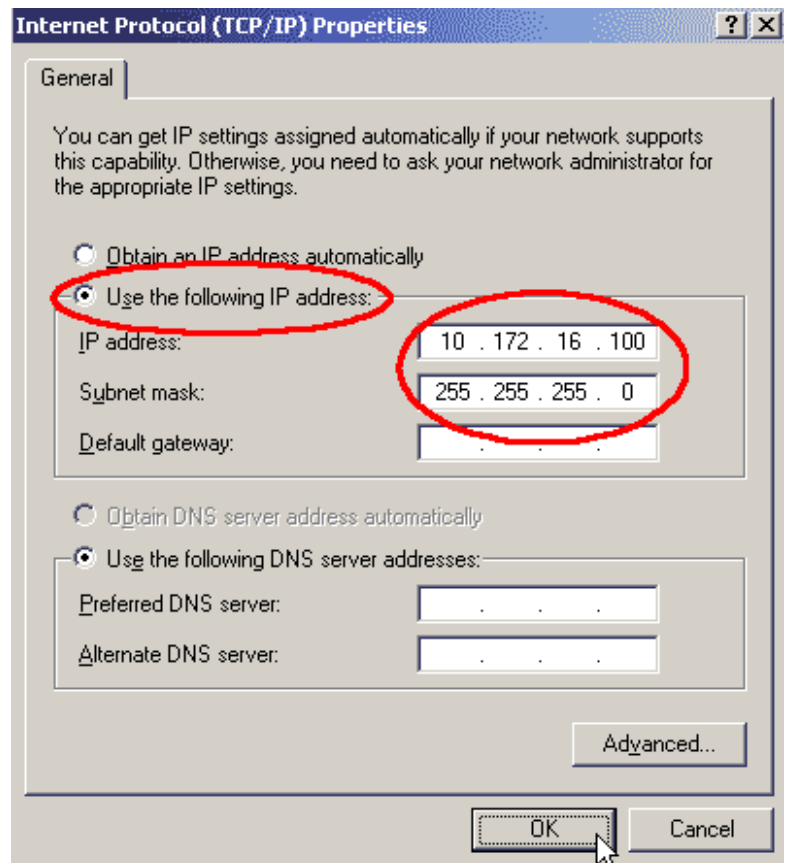
Make sure the "Preferred DNS server" and "Alternate DNS server" are blank, as they are not needed. Press "OK" on this screen and on the next and then press "Close" on the status screen.

Setting Up the Network on the Office Workstation

The setup for the is similar to that of the Monitoring Computer except that there is no "FasTrak2 Direct Connection" port as this computer does not connect to a FasTrak2™ or Sure-Trak2™ board.

Bring up the Network Connections screen.
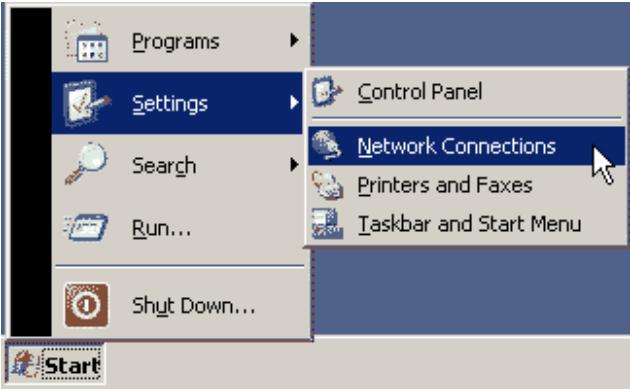
You will see a list of the ports on this computer. The list may or may not look exactly like this. If you need to determine which port the network is plugged into just plug and unplug the ethernet cable from the RJ45 connector on the computer and watch the status (circled below in red) change from "Connected" to "Network cable unplugged".

Set up the IP address on this computer the same way as the Local Area Connection on the Monitoring Computer but using the IP address you decided on for this computer. In the example above this was 10.172.16.102 for the Office Workstation.

Check the IP address of any other network connections on this computer. There may not be any other network connections but if there are you need to make sure they are not set to use an address with the same first three octets, 10.172.16.

True-Trak 2020™ Software Installation

Office Workstation

Monitoring Software

The Office Workstation has the same software as the Monitoring Computer. The difference is that the Office Workstation has no machines of it's own. It only displays results from Monitoring Computers that it knows about.

Copy the v806.exe file from the installation CD to the desktop of the Office Workstation. Double click the v806.exe icon to create the instalation directory on your C dirve.

Open the installation directory, C:\Install8.06, in My Computer. Run the "Setup.exe" file.
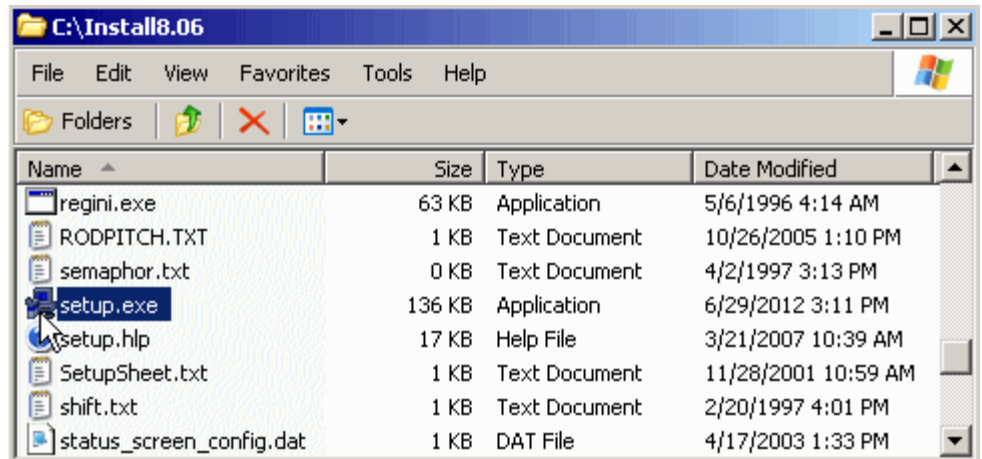
Press the "Install New TrueTrak System" button.
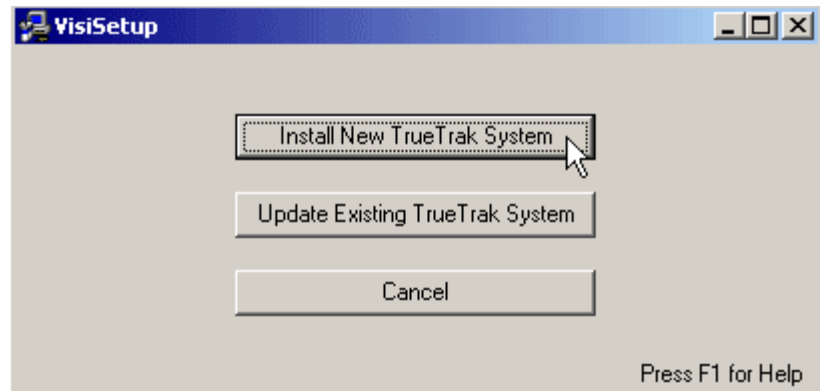
Change the Computer Type to "Office Workstation".

True-Trak 2020 (tm) V8.06 Installation
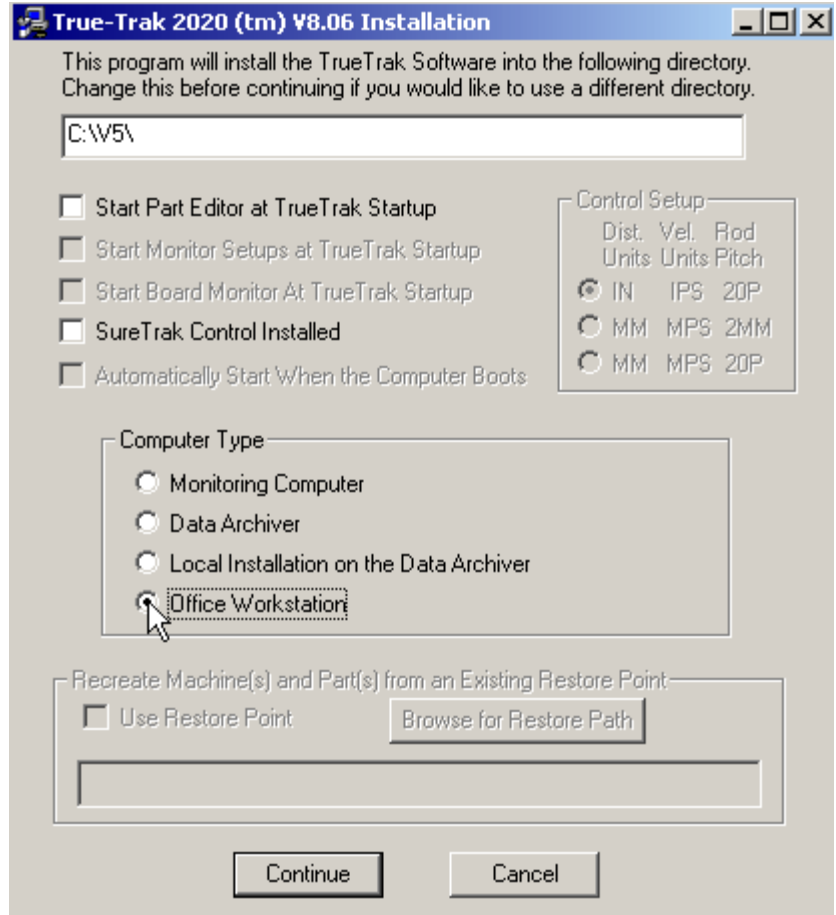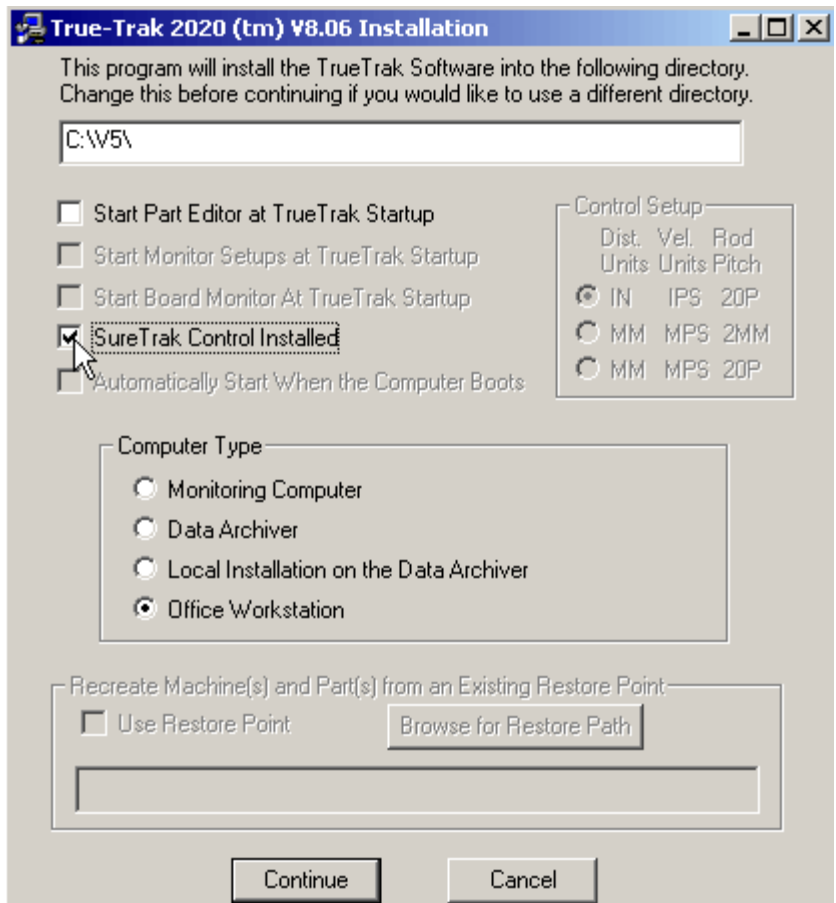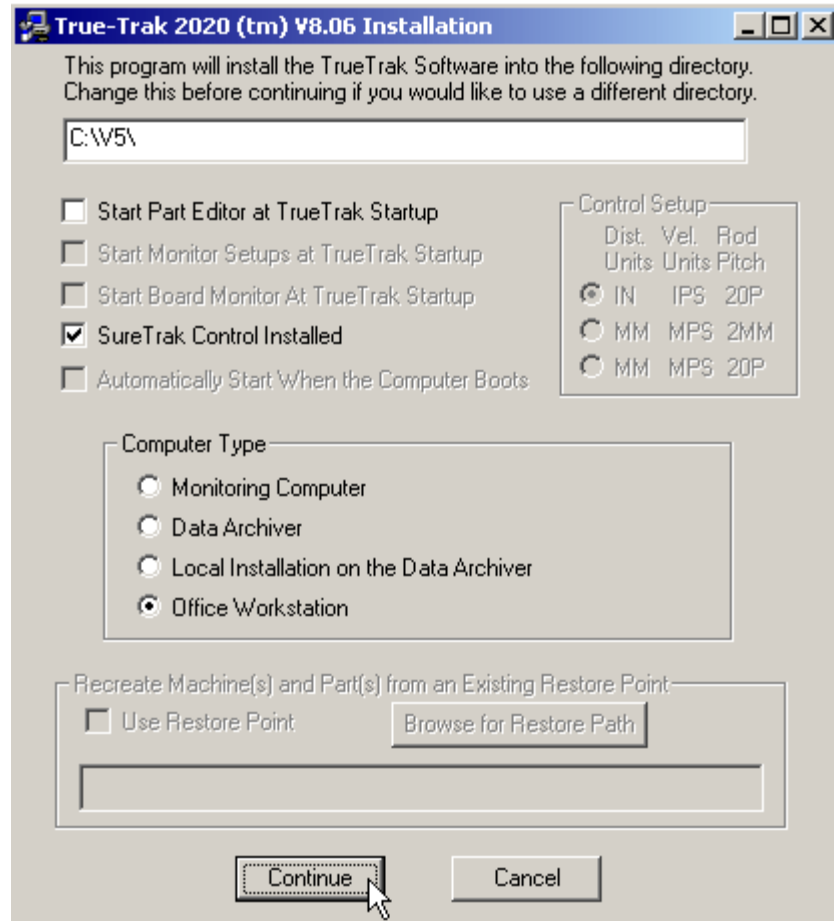
This program will install the TrueTrak Software into the following directory. Change this before continuing if you would like to use a different directory.

C:\V5\

☐ Start Part Editor at TrueTrak Startup
☐ Start Monitor Setups at TrueTrak Startup
☐ Start Board Monitor At TrueTrak Startup
☐ SureTrak Control Installed
☐ Automatically Start When the Computer Boots

Control Setup

	Dist. Units	Vel. Units	Rod Pitch
⦿	IN	IPS	20P
○	MM	MPS	2MM
○	MM	MPS	20P

Computer Type

○ Monitoring Computer
○ Data Archiver
○ Local Installation on the Data Archiver
⦿ Office Workstation

Recreate Machine(s) and Part(s) from an Existing Restore Point

☐ Use Restore Point   Browse for Restore Path

[Continue]   [Cancel]

If you have any Sure-Trak2™ Control Systems check the "SureTrak Control Installed" checkbox.

True-Trak 2020 (tm) V8.06 Installation

This program will install the TrueTrak Software into the following directory. Change this before continuing if you would like to use a different directory.

C:\V5\

☐ Start Part Editor at TrueTrak Startup
☐ Start Monitor Setups at TrueTrak Startup
☐ Start Board Monitor At TrueTrak Startup
☑ SureTrak Control Installed
☐ Automatically Start When the Computer Boots

Control Setup

	Dist. Units	Vel. Units	Rod Pitch
⦿	IN	IPS	20P
○	MM	MPS	2MM
○	MM	MPS	20P

Computer Type

○ Monitoring Computer
○ Data Archiver
○ Local Installation on the Data Archiver
⦿ Office Workstation

Recreate Machine(s) and Part(s) from an Existing Restore Point

☐ Use Restore Point   Browse for Restore Path

[Continue]   [Cancel]

Press the "Continue" button to start the installation.

During installation a command line window will appear for a time. When the installation is complete the following window will appear. Press "OK" to exit the installation program.
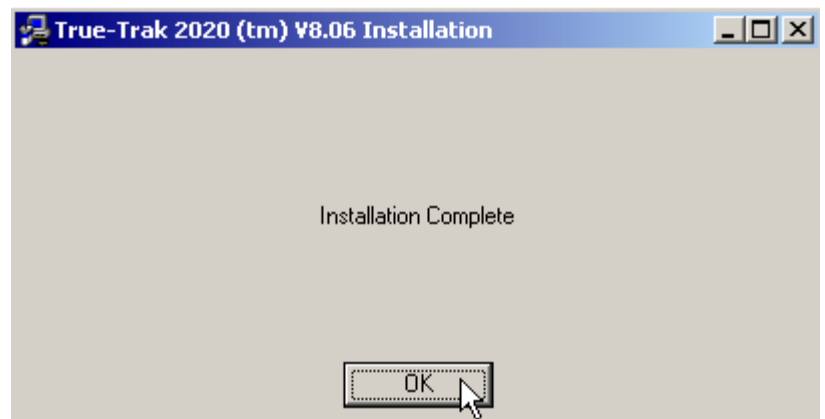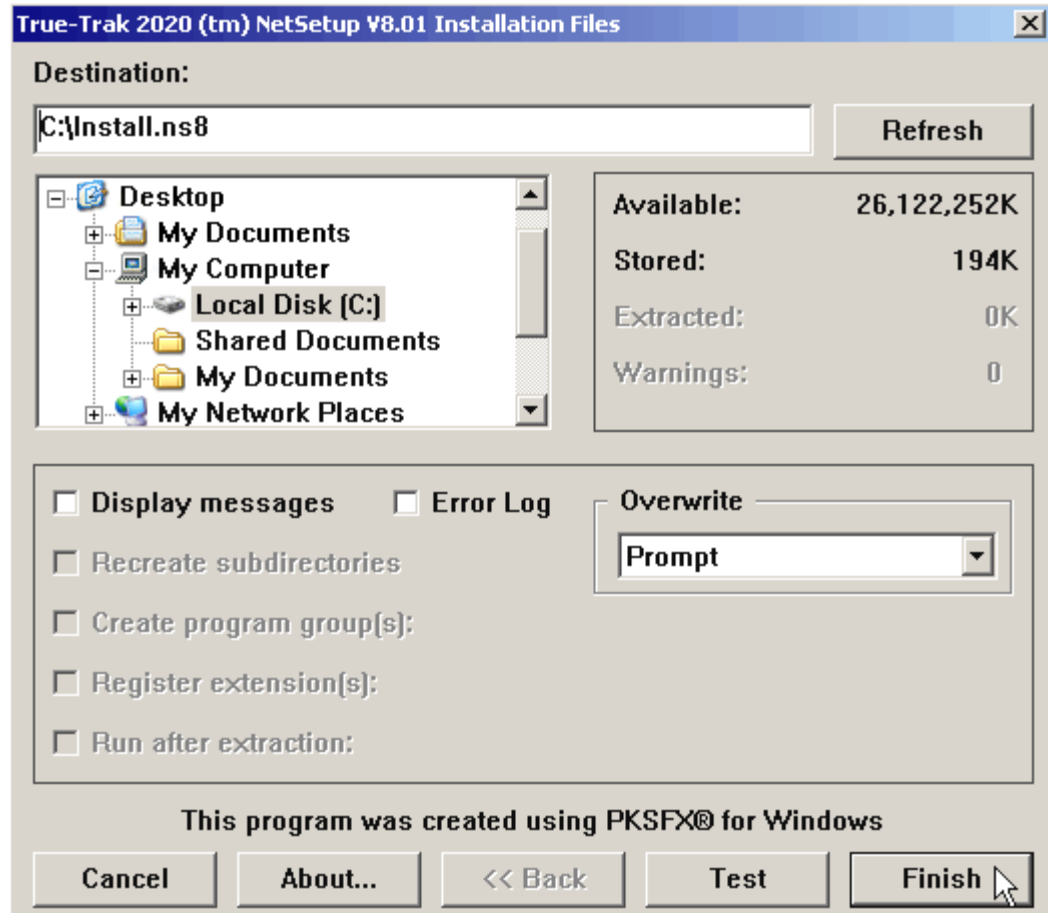
Network Setup Software Installation

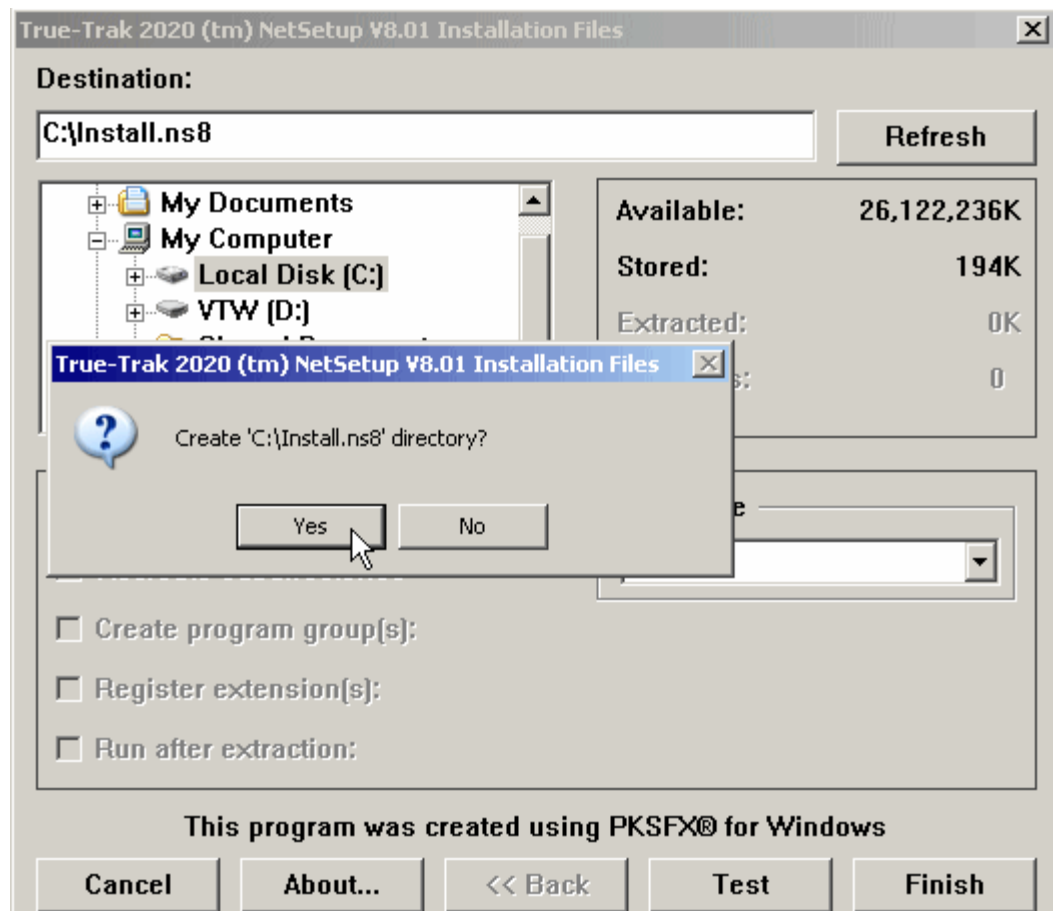Copy the ns8.exe file from the installation CD to the desktop of the Office Workstation.

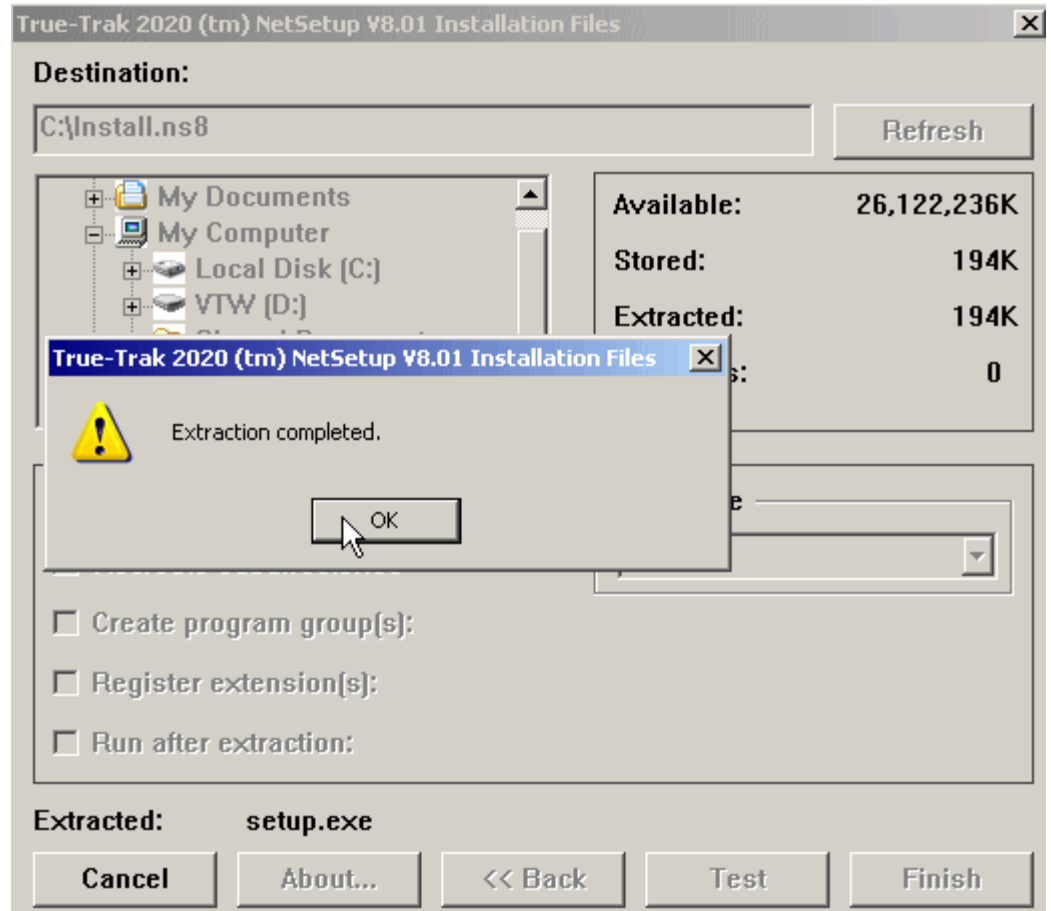Double click on the "ns8.exe" icon to run the program.
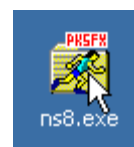
Press the "Finish" button to begin unzipping the installation files.

Press "Yes" when asked if it is ok to create the installation directory.

True-Trak 2020 (tm) NetSetup V8.01 Installation Files

Destination:

C:\Install.ns8   Refresh

My Documents
My Computer
Local Disk [C:]
VTW [D:]

Available: 26,122,236K
Stored: 194K
Extracted: 194K
                             0

True-Trak 2020 (tm) NetSetup V8.01 Installation Files

Extraction completed.

OK

□ Create program group(s):
□ Register extension(s):
□ Run after extraction:

Extracted: setup.exe

Cancel   About...   << Back   Test   Finish

Press "OK" when the files have been unzipped.

The installation files have now been copied to the installation directory and you can now delete the ns8.exe program from the desktop.

C:\Install.ns8

File   Edit   View   Favorites   Tools   Help

Folders

Name	Size	Type	Date Modified
NetSetup.chm	50 KB	Compiled HTML Help...	5/10/2004 10:26 AM
netsetup.exe	84 KB	Application	2/28/2012 11:03 AM
setup.exe	60 KB	Application	2/2/2012 4:03 PM

Open the installation directory, C:\Install.ns8, in My Computer. Double click on the "setup.exe" program to run it.

True-Trak 2020(tm) NetSetup V8 Installation

Press 'Begin' to install the NetSetup software
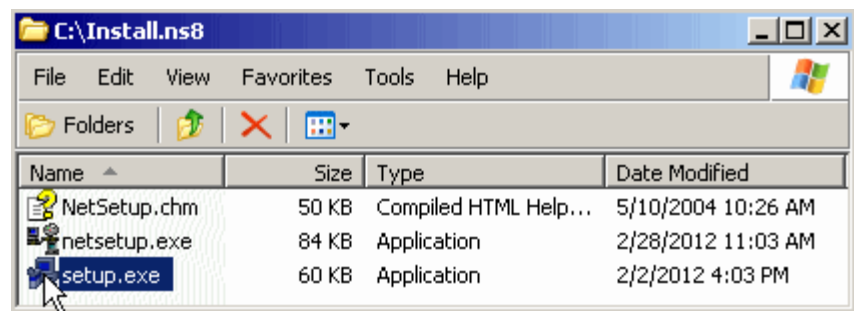
Begin

Press "Begin" to install the software.

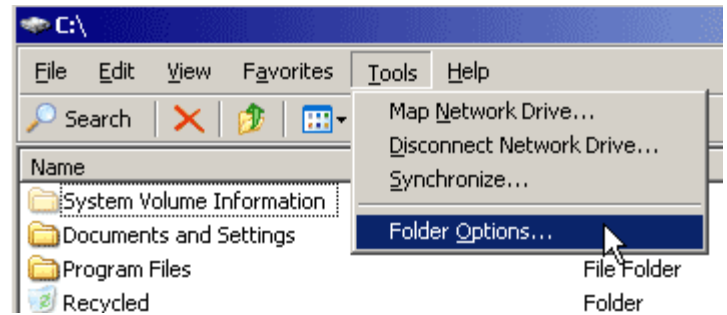Press "Exit" to close the window when the installation is complete.
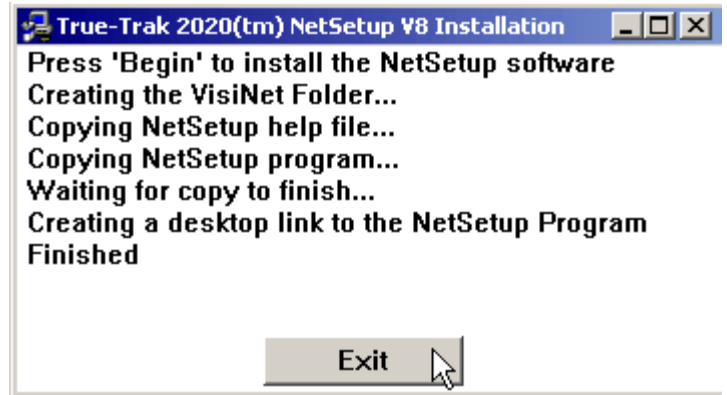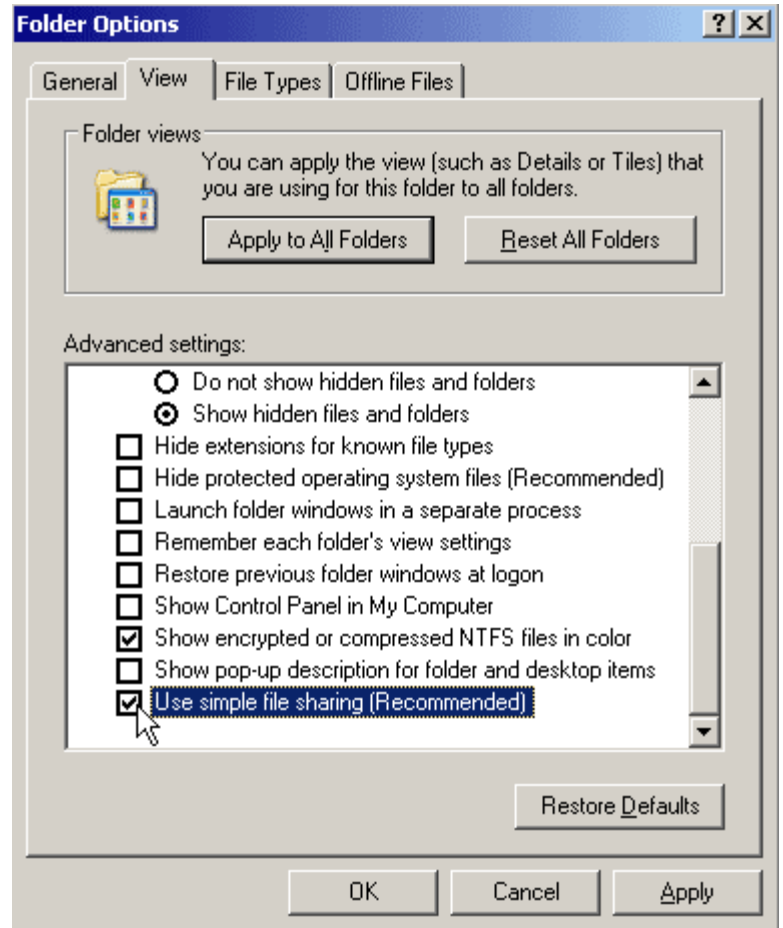
You will see a new icon on your desktop.

Shared Directories

True-Trak 2020™ Shared Directories

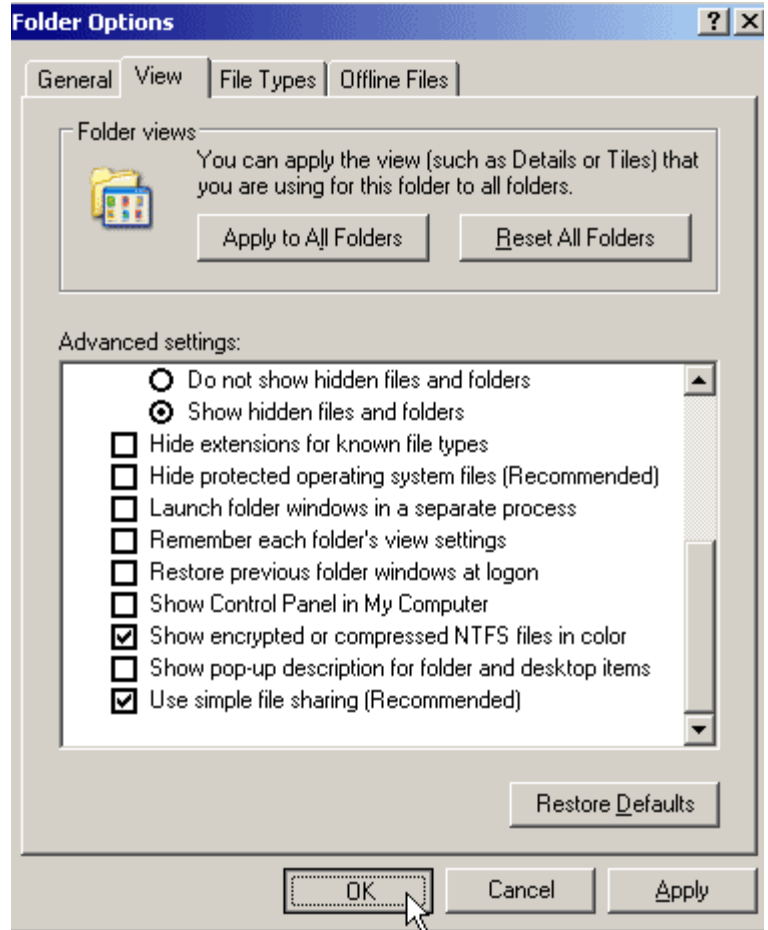Open "My Computer". Pull down the "Tools" menu and choose "Folder Options".

Click on the "View" tab and scroll to the bottom of the list.
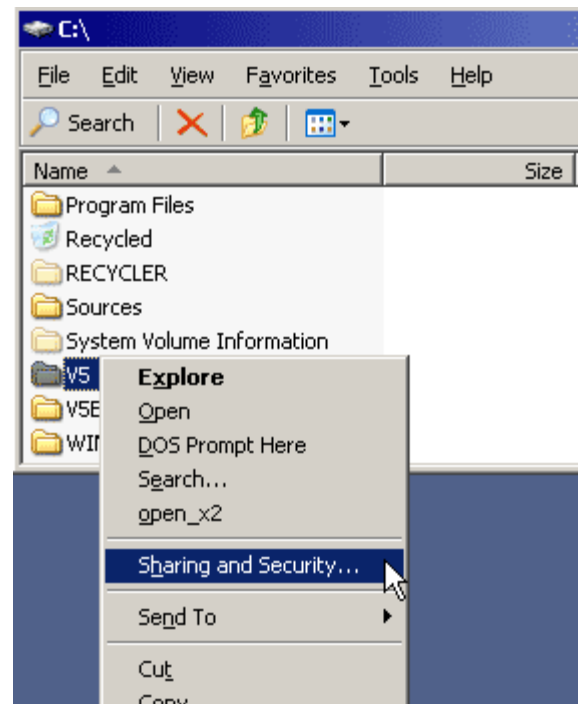
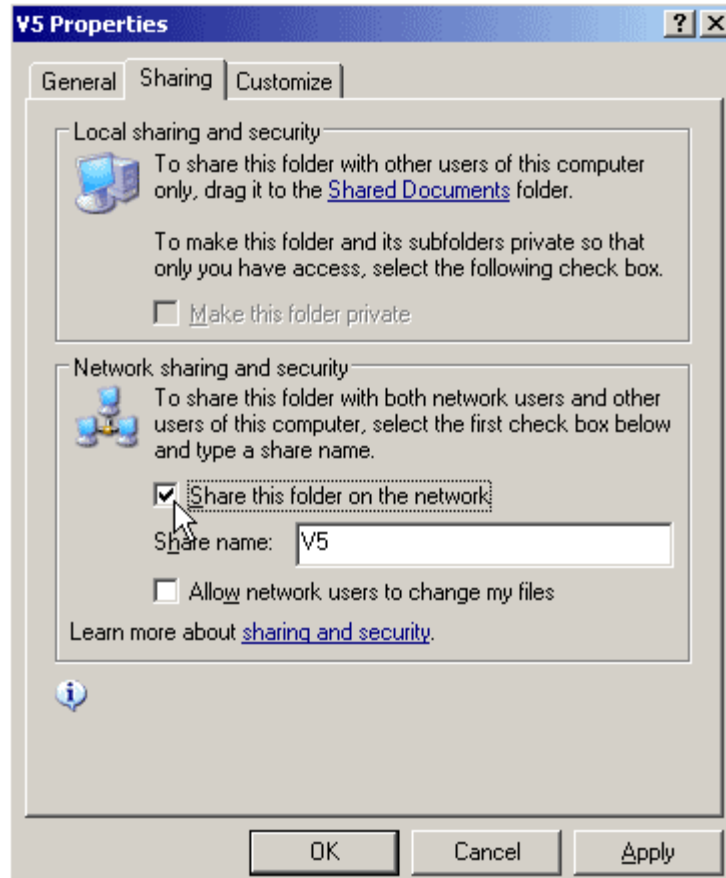If "Use simple file sharing" is not checked, check it as shown below.
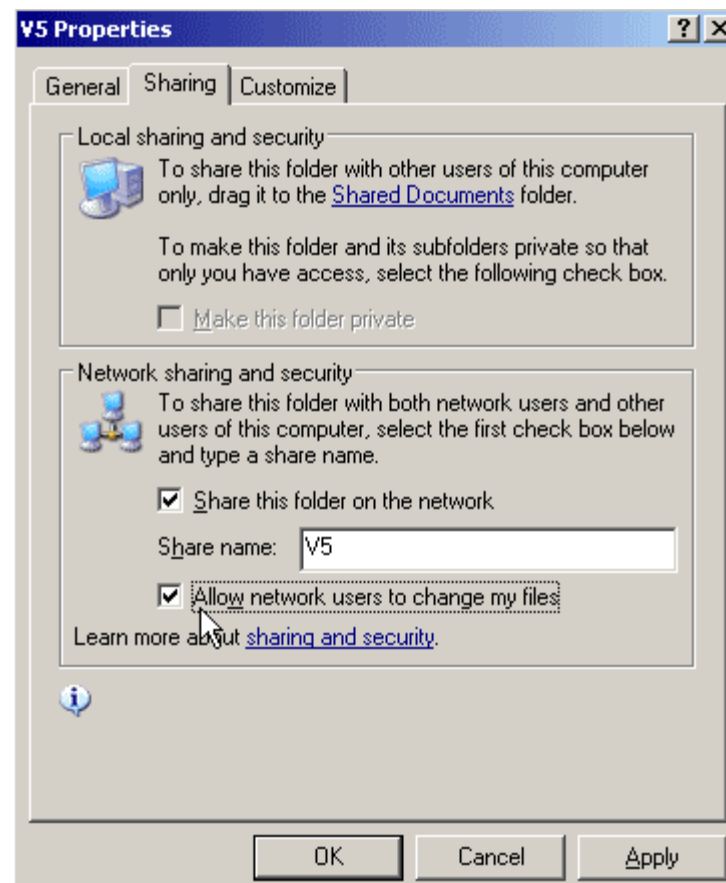
Press "OK" to save your changes.

Go back to "My Computer" and RIGHT click on the "V5" directory. Choose "Sharing and Security..." from the popup menu.

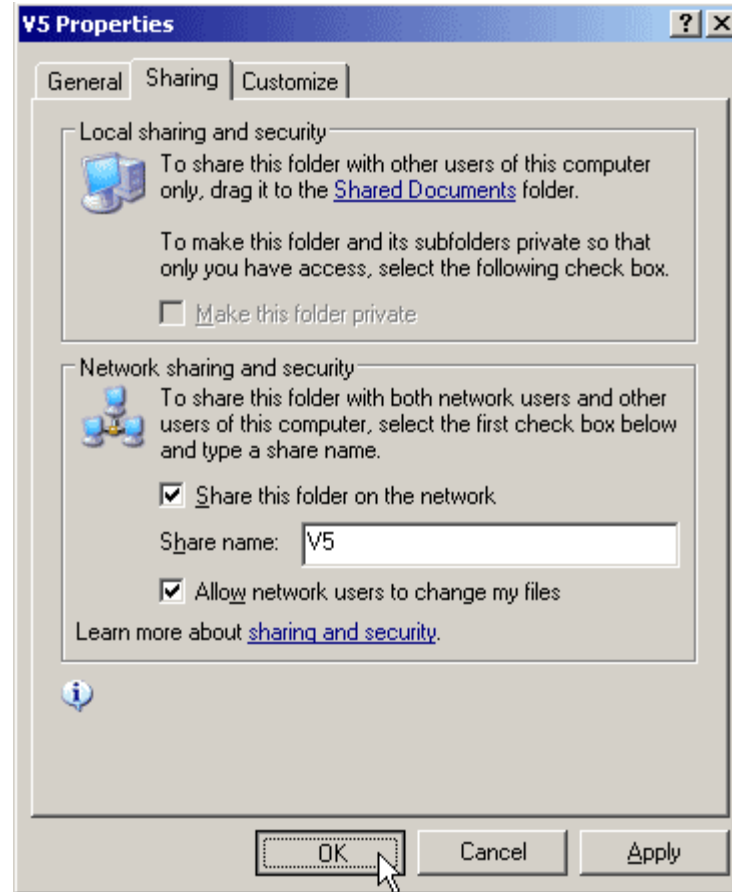Check "Share this folder on the network".

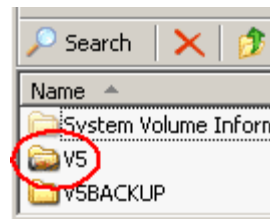Check "Allow network users to change my files".

Press "OK" to save the changes.

In a short time a hand should appear under the folder icon for the V5 directory. This indicates that the directory is shared.

True-Trak 2020™ Computer Connections

Each Monitoring computer stores it's results on it's local hard drive. An Office Workstation has to know the network location of all the Monitoring Computers in order to display those results. Similarly, because the Monitoring Computers have to send status updates to the Office Workstation, they need to know the network location of the Office Workstation.

The Network Setup Program allows you to change the way the computers are connected. The Network Setup Program is normally installed on the Office Workstation. You can have more than one Office Workstation but you should only install the Network Setup Program on one of them as the current list of computers and connections is saved in the same folder as the program. The default location is "C:\VisiNet".

Before you begin, make sure all the Monitoring Computers are turned on and that all of them are visible in "My Network Places" on the Office Workstation where you installed the NetSetup program.

When you installed the NetSetup program an icon was created on the desktop. Double click this icon to start the program.

The NetSetup program maintains a list of all the Monitoring Computers and Office Workstations on the network. If this is the first time the program has been run the list will be empty and the program will display a "Browse for Folder" window so you can add all the computers to the list. The following discusstion assumes that your workgroup is named "Visitrak".

To add a computer to the list from this window open **My Network Places**, **Entire Network**, **Microsoft Windows Network** and then **Visitrak**, in that order. Click on the "+" next to the computer you wish to add and then click **once** on the **\V5** folder and the computer will be added to the main list box.
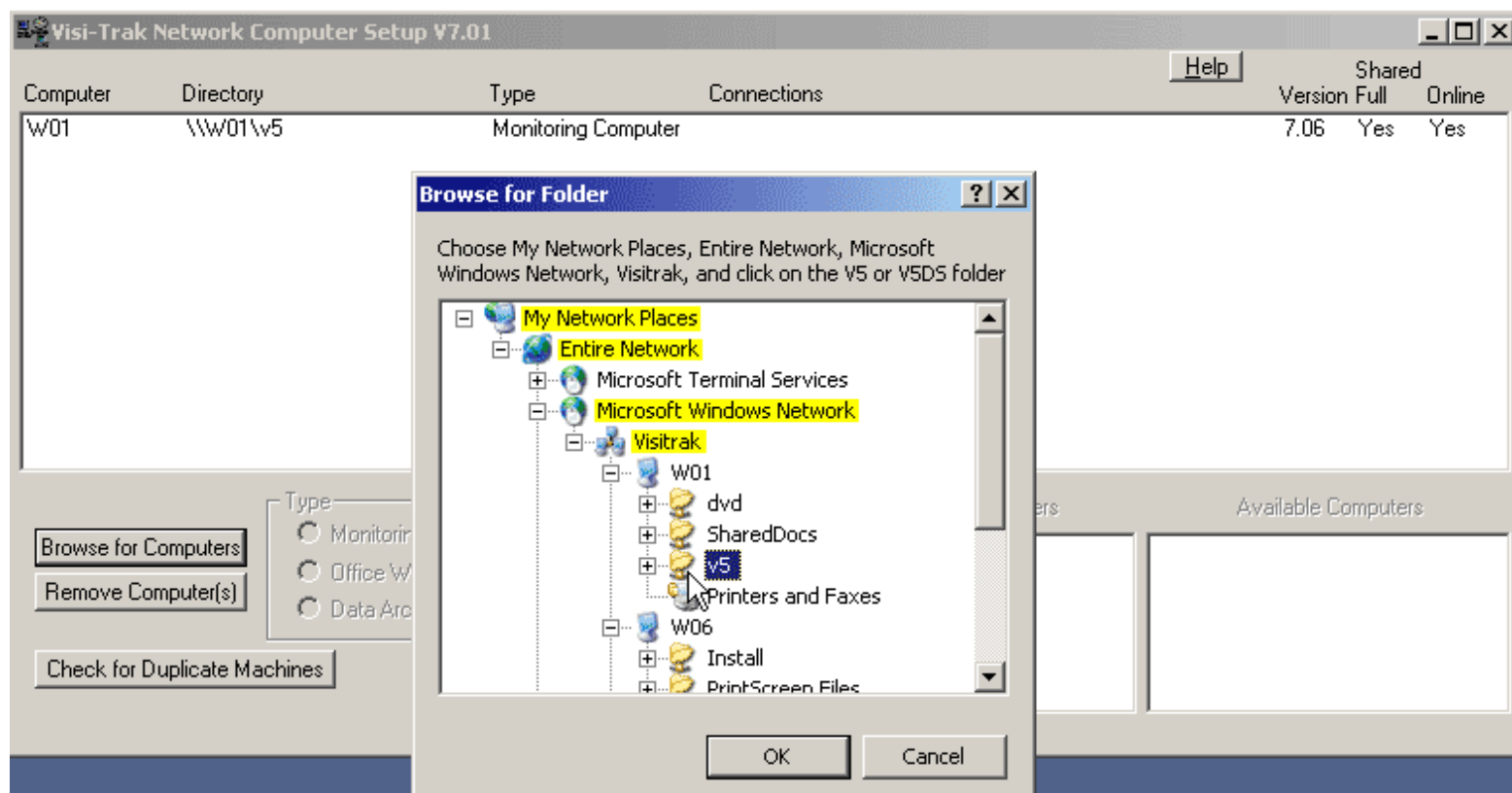
Repeat this for each Monitoring Computer and Office Workstation. When you are finished, Press "OK" to close the "Browse for Folder" window.

- Try not to add the same computer twice.

- Be patient and wait for the computer to appear in the listbox of the main screen before clicking on another computer.
- Be sure to find the folder in "My Network Places" and **not** "My Computer"
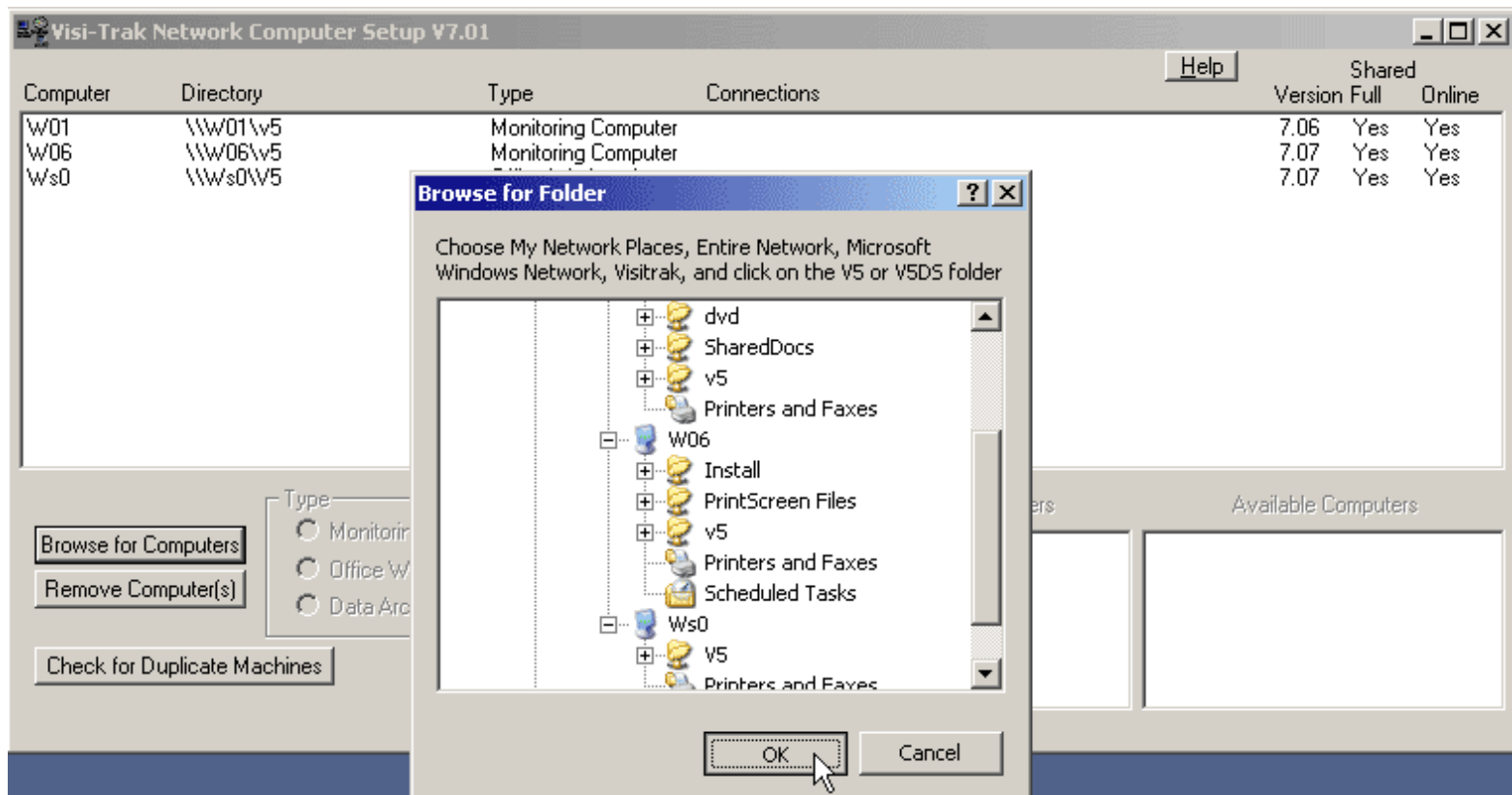
The screen should now look like this. Note the "Yes" shown for each computer in the "Shared Full" column on the right. If this is "No" then the V5 directory is not properly shared on that computer. This must be corrected before that computer can be added to the True-Trak computer list.
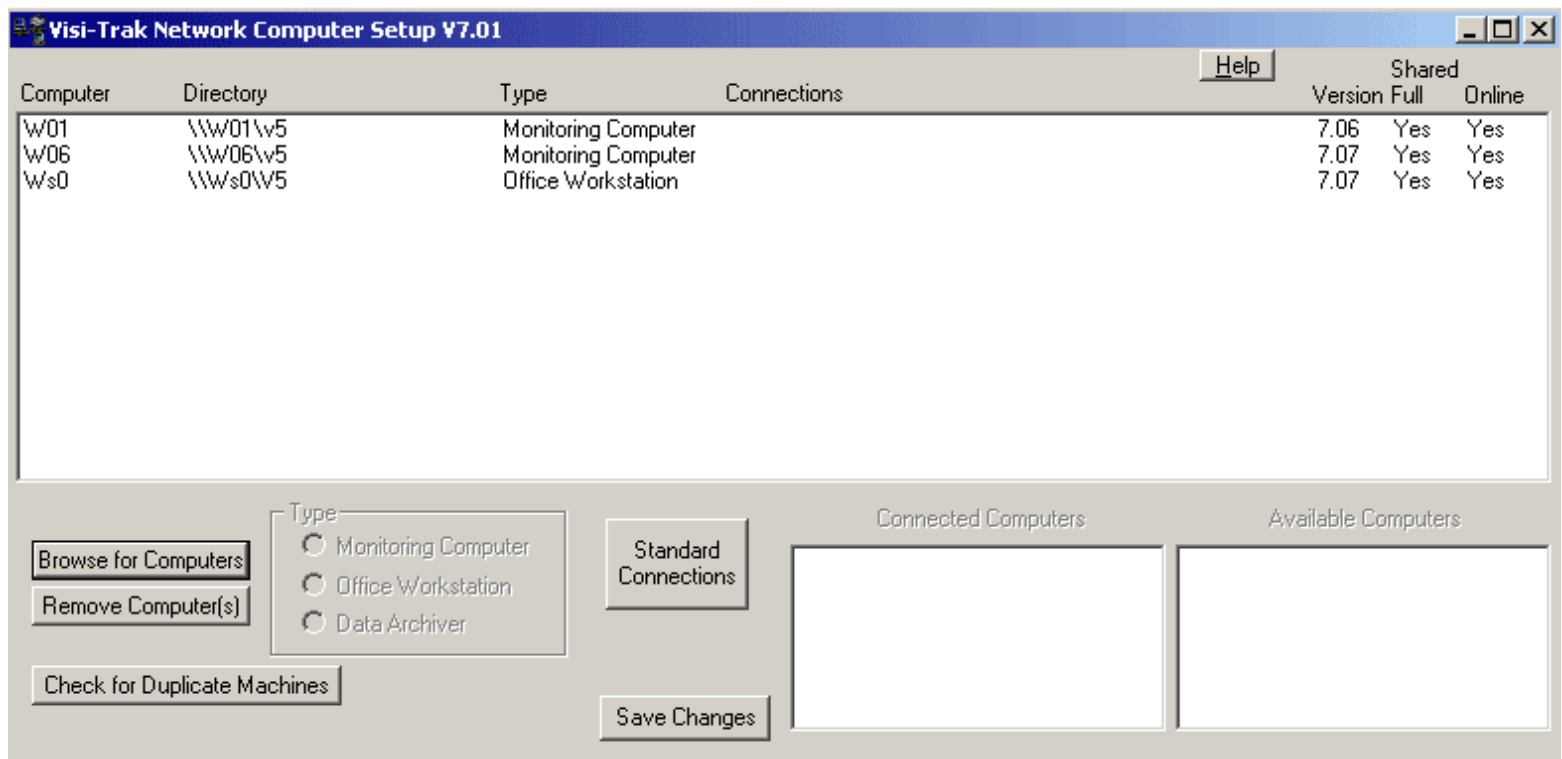

The program tries to determine the type of computer, Monitoring Computer or Office Workstation. Check each computer to be sure the type is correct. If it is not, click once on the line for that computer, as shown below, and click on the correct computer type in the box at the bottom of the screen.
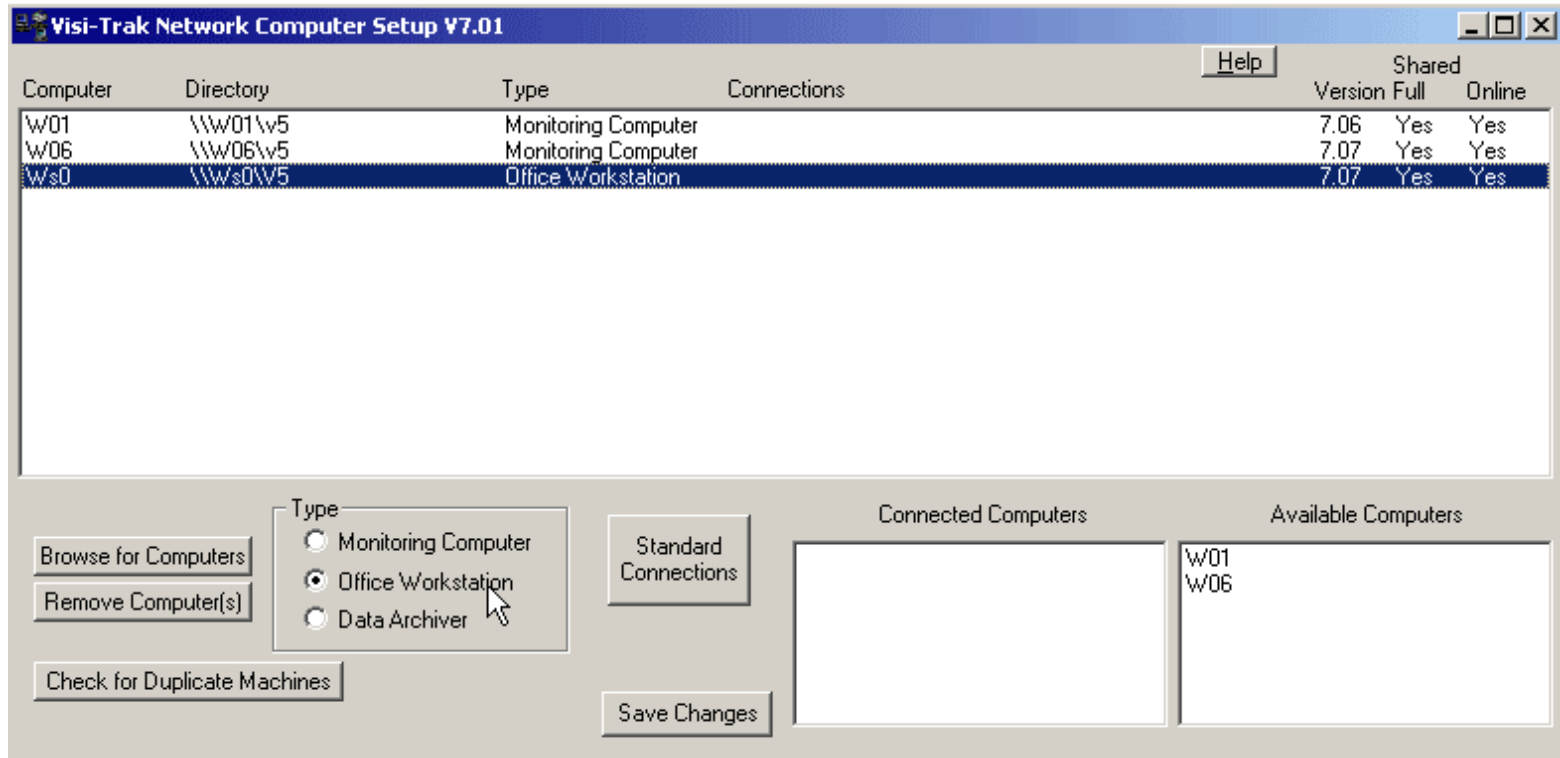
Connections

Now that all the computers have been added to the list and the V5 directories are shared it is time to connect the computers.

Highlight all of computers by clicking once on the first line and then, while pressing the "Shift" key, clicking once on the last line.
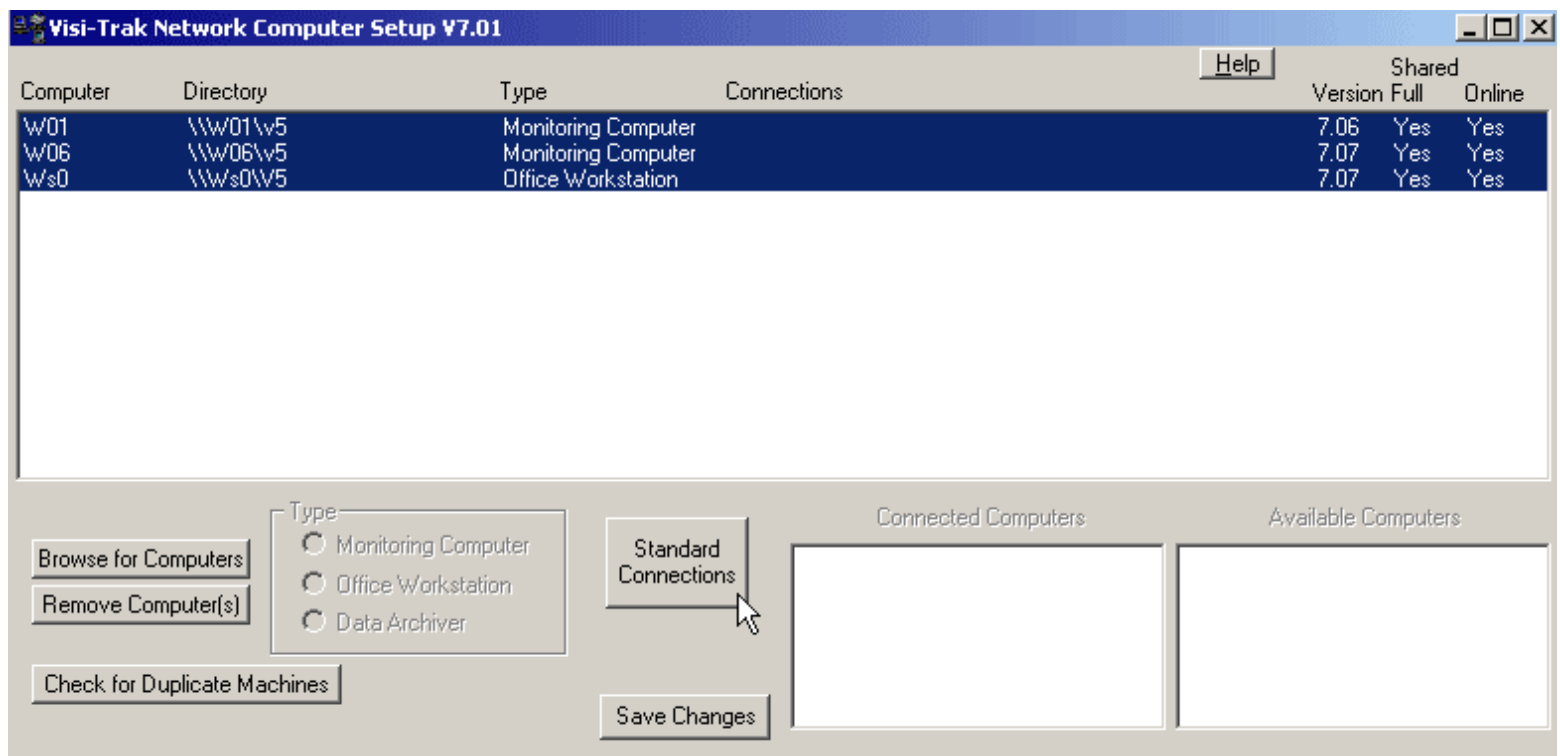
Press the **Standard Connections** button**.** This will add the location of the Office Workstation to the list of computers known by the Monitoring Computers and will add the locations of all the Monitoring Computers to the list of computers known by the Office Workstation. With all of the lines still highlighted press the "Save Changes" button to write the information to all of the computers and to save a local copy of all the information so this program can be run again to make adjustments to the system.
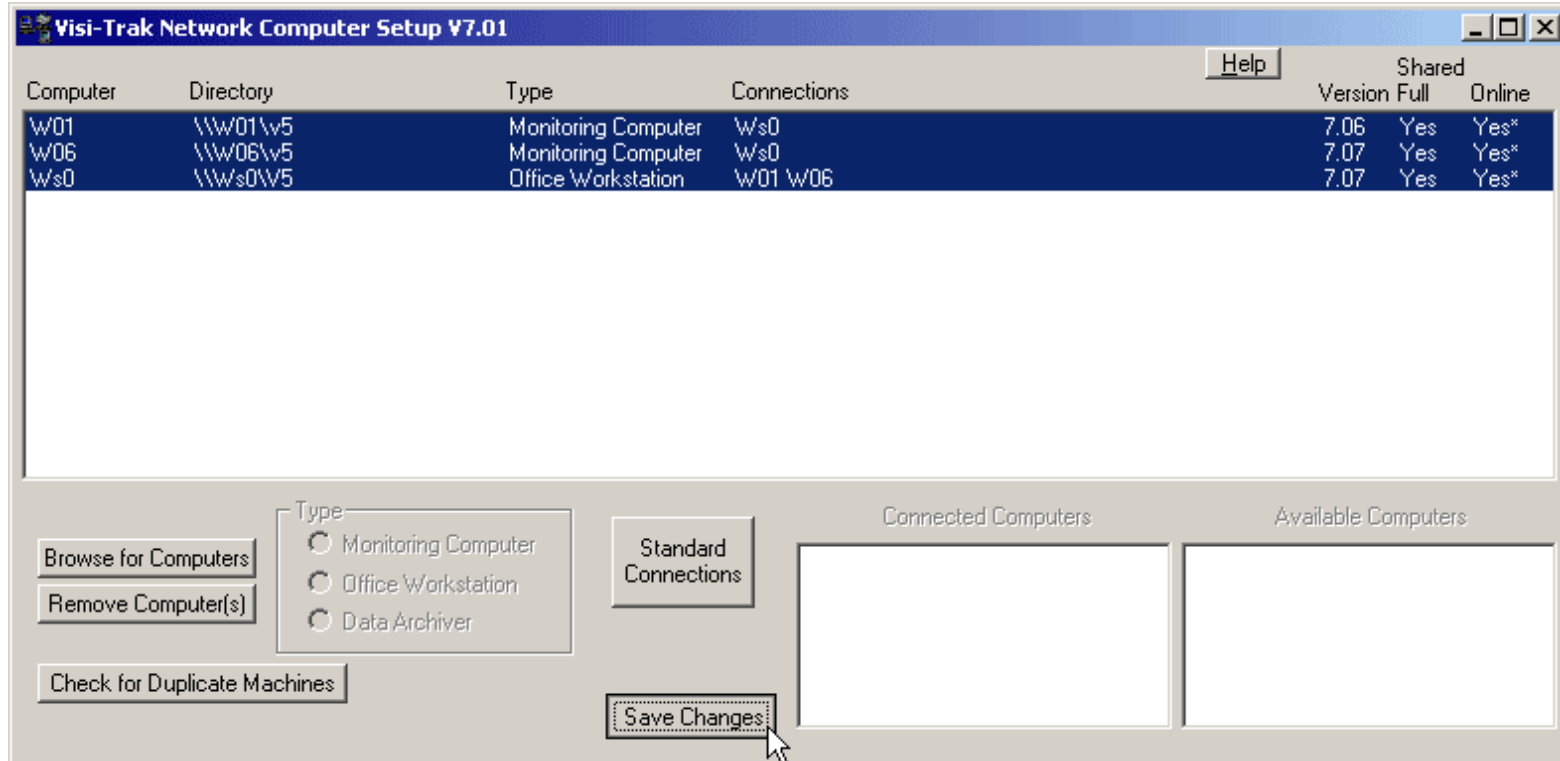
Saving Changes

When you press the **Save Changes** button changes are only made to the highlighted computers in the list. If the computer is not highlighted no changes are made to files on that computer.

A computer is not added to the local list of saved computers until you actually save the settings to that computer so, for instance, if you add 10 computers to the list the first time the program is run and then you save the configuration of just one of the 10, the next time you run the program only the one computer will initially be in the list. Of course you can load the others again by pressing the **Add Computers** button. Once a computer is saved, it will remained saved unless you remove it.