

Direct Connect and Dial-up Connection on Windows® 2000 and Windows XP Operating Systems

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Direct Connect and Dial-up Connection on Windows 2000 and Windows XP Operating Systems

Introduction

This document discusses some installation and configuration issues related to using direct serial and dial-up (modem) connections on Microsoft® Windows® 2000 Professional and Microsoft Windows XP Professional workstations for N30 Supervisory Controller (N30) and M-Series Workstation systems. This document describes how to:

- add a null modem serial cable
- make a new direct serial connection
- add a modem
- make a new dial-up connection
- make a new dial-in connection

For further information on communications issues in N30/M-Series Workstation systems, refer to the *Site Book User's Guide (LIT-6893100)* and the *N30 Supervisory Controller Networking Technical Bulletin (LIT-6891300)*.

Note: Unless otherwise indicated, the information in this document applies to all N30 and N31 Supervisory Controllers.

Key Concepts

Direct Connect

Direct connect, also called a direct serial connection, is a connection made from a Personal Computer (PC) to another PC or some other device (such as an N30) using a cable connected from the serial port on the PC to a serial port on the other PC or device.

Dial-up Connection

In a dial-up connection, a PC uses a modem to dial a connection and connect to another PC or some other device (such as an N30). A sample use for a dial-up connection is monitoring a remote site with a PC.

Dial-in Connection

In a dial-in connection, another device (such as an N30) dials a connection into and connects to the PC. A sample use for a dial-in connection is allowing a remote site to report alarms to a PC.

Network and Dial-up Connections

The Network and Dial-up Connections feature in the Windows 2000 Operating System (OS) allows remote access to other computers and devices. When you use Site Book to create a new direct connect or dial-up connection, the new connection appears not only as a phonebook entry in Site Book, but also as a connection in the Network and Dial-up Connections folder. To access this folder, click Settings > Network and Dial-up Connections on the Windows Start menu.

Use Site Book to create a new direct connect or dial-up connection. Use the Network and Dial-up Connections feature to create a dial-in connection.

Direct Serial Communications Checklist

Setting up communications between a PC and an external device is a multi-step process. Table 1 is a guide to verify that all steps required for successful communications using a direct serial connection are complete.

Table 1: Direct Serial Communications Checklist

Step	Task	Completed
1	Verify that the null modem serial cable is installed. On the Windows Start menu, click Settings > Control Panel. Double-click the Phone And Modem Options icon. If Communications cable between two computers is not on the Modems tab of the Phone And Modem Options screen, see the <i>Adding a Null Modem Serial Cable</i> section in this document.	<input type="checkbox"/>
2	Make a new direct serial connection. See the <i>Making a New Direct Serial Connection</i> section in this document.	<input type="checkbox"/>
3	Go to the Site Book and define a site using the name of the direct serial connection. Refer to the <i>Adding a Direct Serial or Dial-up (Modem) Connection Site</i> section in the <i>Site Book User's Guide (LIT-6893100)</i> .	<input type="checkbox"/>
4	Refer to the following literature to continue: <ul style="list-style-type: none"> generating databases for N30s, refer to the flowcharts in the <i>Database Generation</i> section of the <i>N30 Supervisory Controller Quick Start Technical Bulletin (LIT-6891200)</i>. M3 Workstation Installation and Commissioning, refer to the <i>M3 Workstation Overview and Installation Technical Bulletin (LIT-1153100)</i>. M5 Workstation Installation and Commissioning, refer to the <i>M5 Workstation Installation Technical Bulletin (LIT-1153300)</i>. 	<input type="checkbox"/>

Dial-up (Modem) Communications Checklist

Setting up dial-up (modem) communications on a PC is a multi-step process. Table 2 is a guide to verify that all steps required for successful communications using a dial-up connection are complete.

Table 2: Dial-up (Modem) Communications Checklist

Step	Task	Completed
1	Verify that the modem you are using is installed. On the Windows Start menu, click Settings > Control Panel. Double-click the Phone And Modem Options icon. If the modem you want to use is not on the Modems tab of the Phone And Modem Options screen, go to the <i>Adding a Modem</i> section in this document.	<input type="checkbox"/>
2	Make a new dial-up connection. Each site to which you want to establish a dial-up connection must have its own connection. See the <i>Making a New Dial-up Connection</i> section in this document.	<input type="checkbox"/>
3	Make a new dial-in connection. This allows the N30 to dial into the PC. See the <i>Making a New Dial-in Connection</i> section in this document.	<input type="checkbox"/>
4	Go to Site Book and define a site using the name of the site's dial-up connection. Refer to the <i>Adding a Direct Serial or Dial-up (Modem) Connection Site</i> section in the <i>Site Book User's Guide (LIT-6893100)</i> .	<input type="checkbox"/>
5	Refer to the following literature to continue: <ul style="list-style-type: none"> To continue generating databases for N30s, refer to the flowcharts in the <i>Database Generation</i> section of the <i>N30 Supervisory Controller Quick Start Technical Bulletin (LIT-6891200)</i>. To continue M3 Workstation Installation and Commissioning, refer to the <i>M3 Workstation Overview and Installation Technical Bulletin (LIT-1153100)</i>. To continue M5 Workstation Installation and Commissioning, refer to the <i>M5 Workstation Installation Technical Bulletin (LIT-1153300)</i>. 	<input type="checkbox"/>

Detailed Procedures

Adding a Null Modem Serial Cable

To add a null modem serial cable:

1. On the Windows Start menu, click Control Panel. The Control Panel screen appears.
2. Double-click the Phone And Modem Options icon. The Phone And Modem Options screen appears.

Note: In a new Windows 2000 installation, a screen may appear, prompting you to enter location information such as the local area code and the number to dial for an outside line. Complete the information on the screen and click OK. This information is stored as a new location in the Dialing Rules tab of the Phone And Modem Options screen. Continue to Step 3.

3. Click the Modems tab (Figure 1).

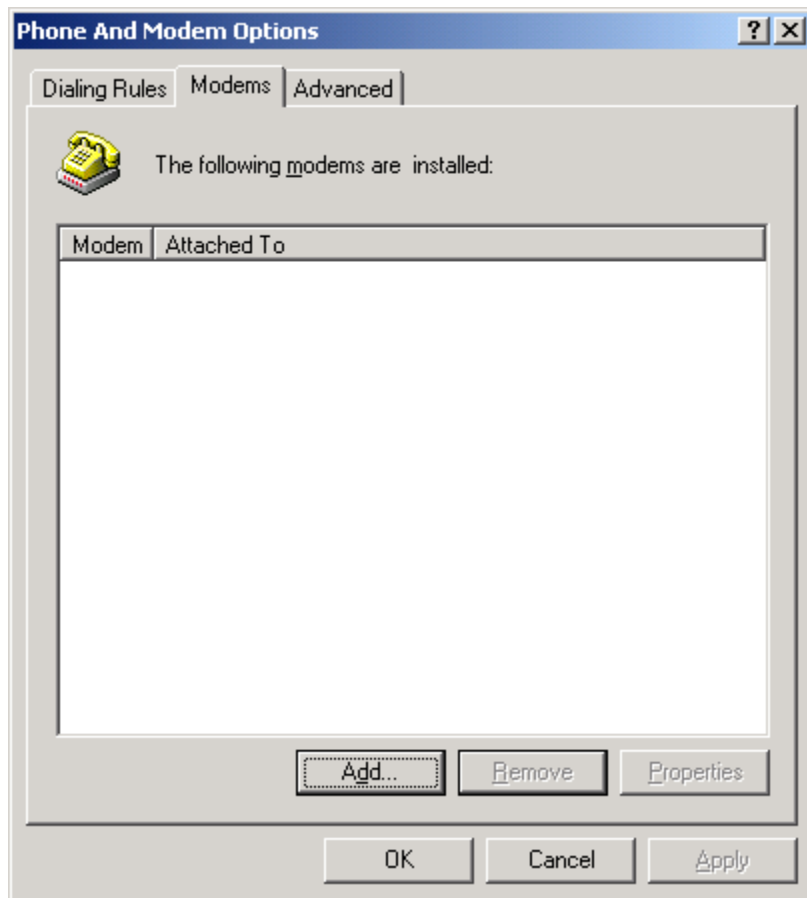


Figure 1: Modems Tab - Phone And Modem Options Screen

Note: If a null modem serial connection already exists, it appears here, listed as Communications cable between two computers. Click Cancel and continue to the *Making a New Direct Serial Connection* section in this document.

4. Click Add. The Install New Modem screen appears (Figure 2).

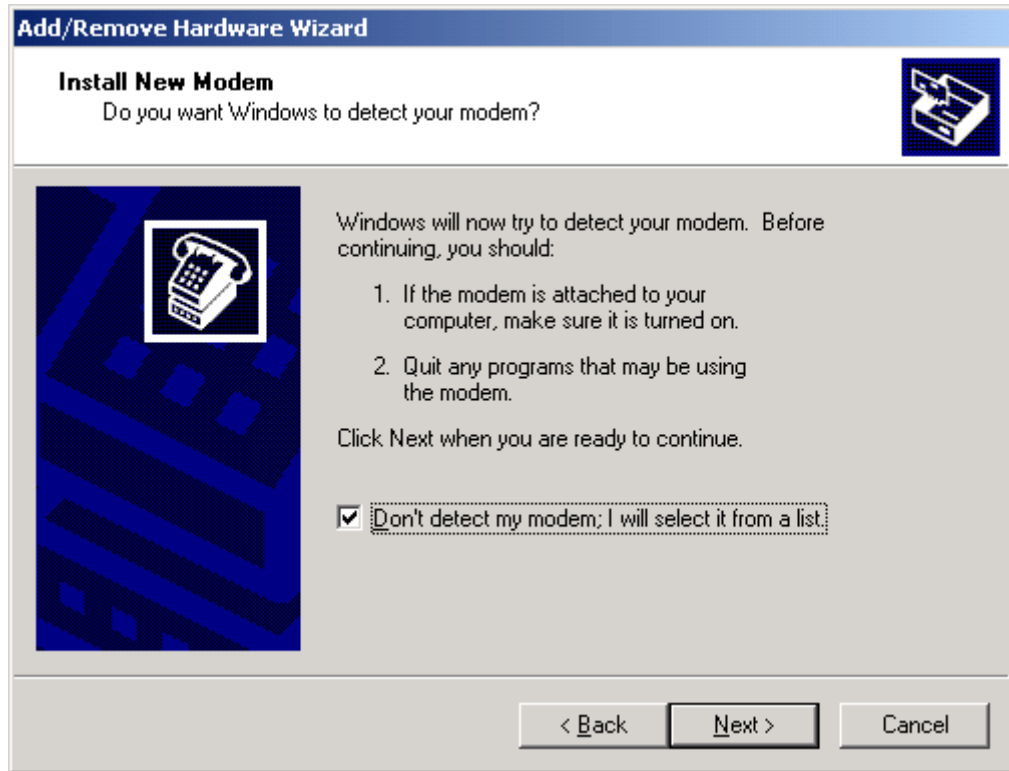


Figure 2: Install New Modem Screen

5. Select the Don't detect my modem; I will select it from a list check box.
6. Click Next. The next Install New Modem screen appears (Figure 3).

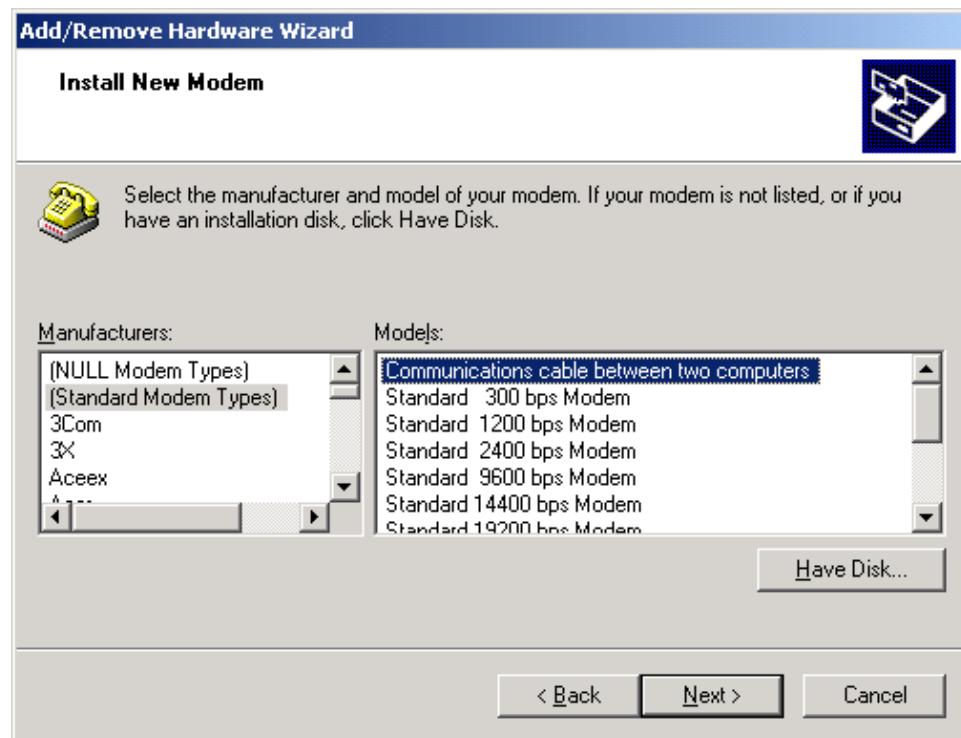


Figure 3: Install New Modem Screen - Select Manufacturer/Model

7. In the Manufacturers list, click (Standard Modem Types). In the Models list, click Communications cable between two computers.
8. Click Next. The next Install New Modem screen appears (Figure 4).



Figure 4: Install New Modem Screen - Select Port

9. Click the port where the null modem serial cable is connected.
10. Click Next. The final Install New Modem screen appears (Figure 5).

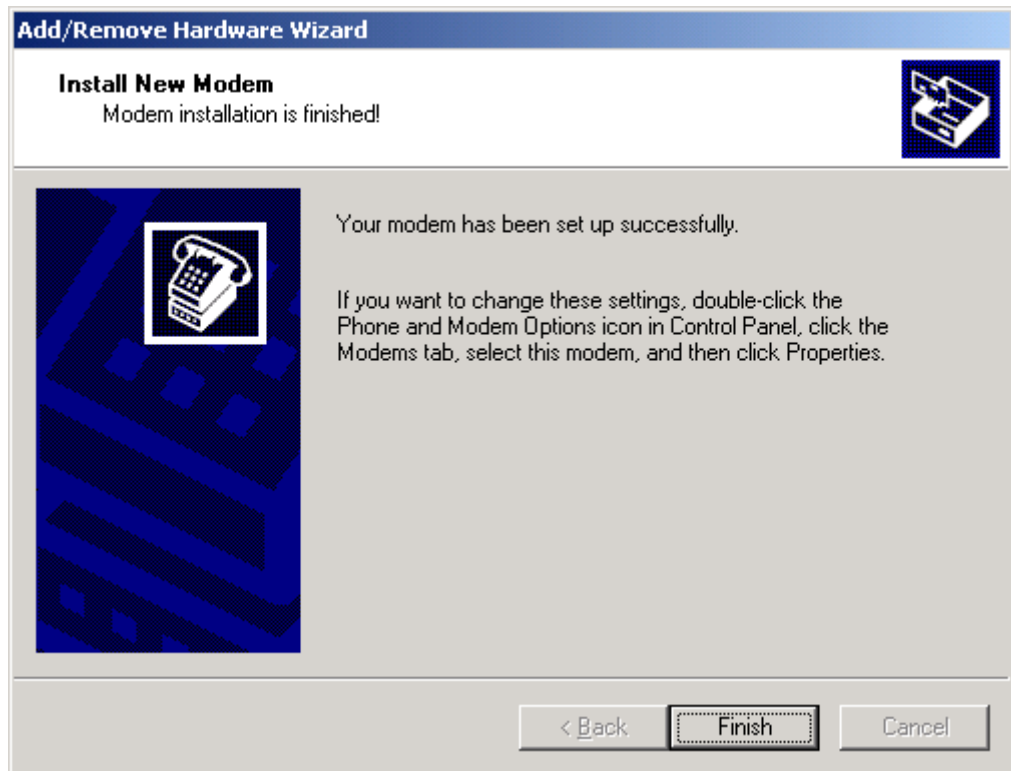


Figure 5: Install New Modem Screen - Installation Finished

11. Click Finish. The Phone And Modem Options screen reappears with the completed null modem serial cable installation (Figure 6).
12. Click OK.

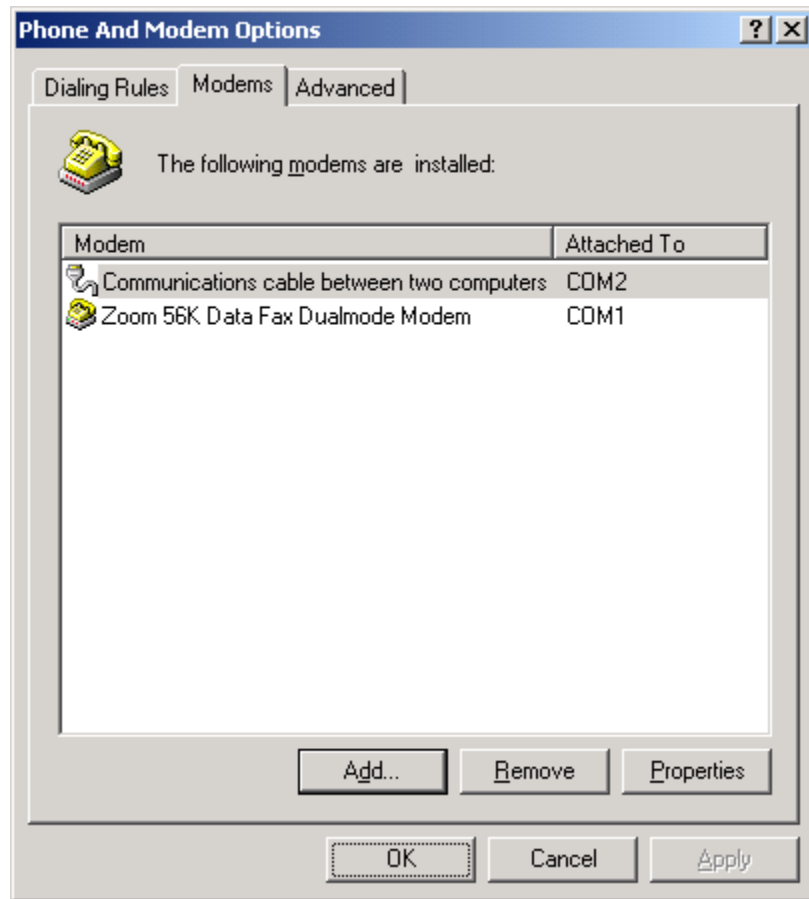


Figure 6: Phone And Modem Options Screen - Installation Complete
13. Close the Control Panel screen.

Making a New Direct Serial Connection

To make a new direct serial connection:

1. Start Site Book. On the Windows Start menu, click Programs > Johnson Controls > BACnet® OPC > Site Book. The Site Book main screen appears (Figure 7).

Note: Site Book also may be started from within other programs, such as Project Builder. See the appropriate documentation if necessary. For example, to start Site Book within Project Builder, see the *Defining a Site* chapter (LIT-693220) of the *Project Builder User's Guide*.

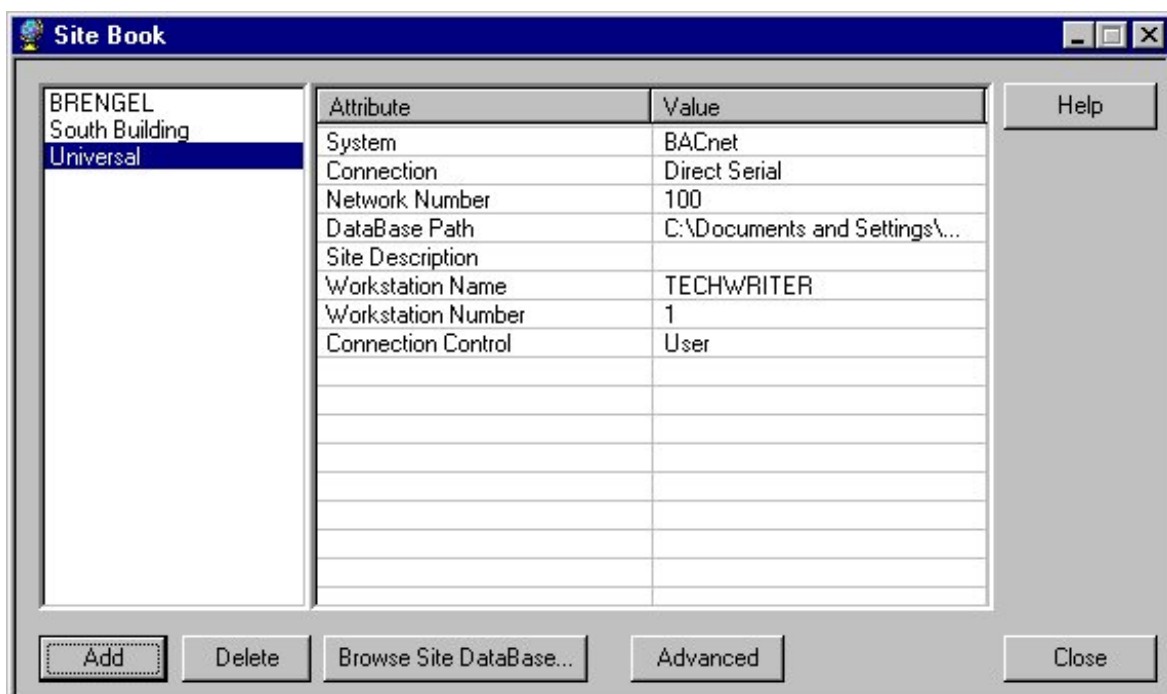


Figure 7: Site Book Main Screen

2. Click Add to add a new site. The Choose a Connection Type screen appears (Figure 8).

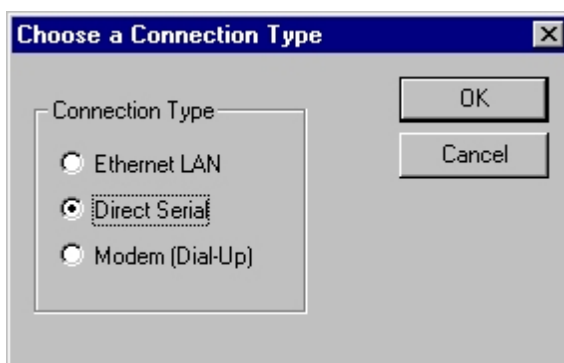
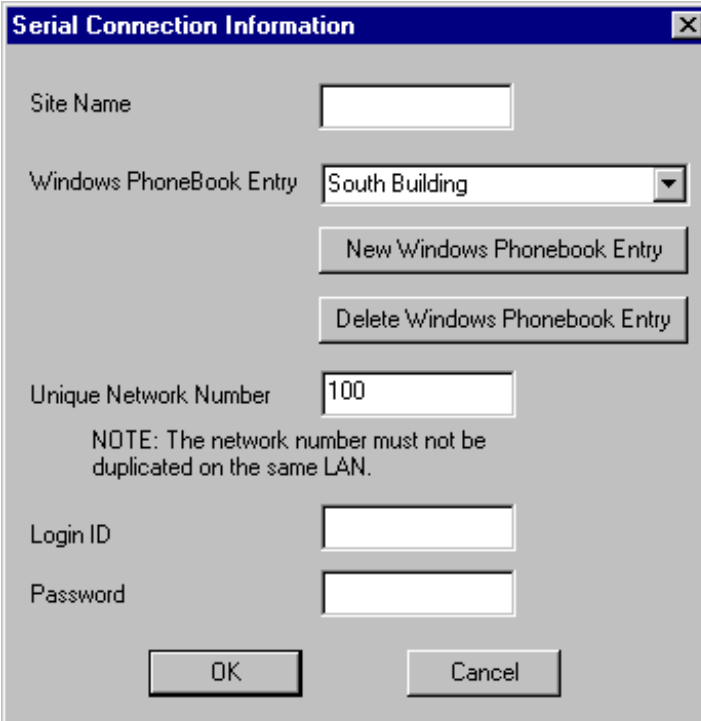


Figure 8: Choose a Connection Type Screen

Note: Alternately, to add a direct serial connection type to an existing site, double-click the Connection attribute, select Direct Serial from the connection type drop-down list, and continue with Step 4.

3. Click Direct Serial.
4. Click OK. The Serial Connection Information screen appears (Figure 9).

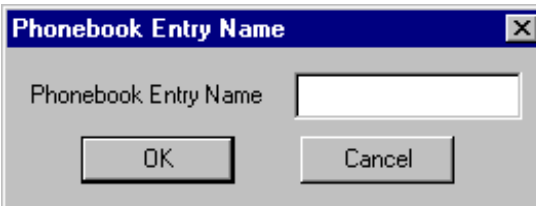


The 'Serial Connection Information' dialog box contains the following fields and controls:

- Site Name:** A text input field.
- Windows PhoneBook Entry:** A dropdown menu currently showing 'South Building'. Below it are two buttons: 'New Windows Phonebook Entry' and 'Delete Windows Phonebook Entry'.
- Unique Network Number:** A text input field containing the value '100'. Below it is a note: 'NOTE: The network number must not be duplicated on the same LAN.'
- Login ID:** A text input field.
- Password:** A text input field.
- Buttons:** 'OK' and 'Cancel' buttons at the bottom.

Figure 9: Serial Connection Information Screen

5. Click New Windows Phonebook Entry. The Phonebook Entry Name screen appears (Figure 10).



The 'Phonebook Entry Name' dialog box contains the following fields and controls:

- Phonebook Entry Name:** A text input field.
- Buttons:** 'OK' and 'Cancel' buttons at the bottom.

Figure 10: Phonebook Entry Name Screen

Note: If no other entries have been made, the empty phonebook message appears. Click OK and continue with Step 6.

6. Type a name for the entry.
7. Click OK. The Type of Connection screen appears (Figure 11).

Note: The Phonebook Entry name cannot contain a hyphen (-) or forward slash character (/).

8. Click Connect directly to another computer.



Figure 11: Type of Connection Screen

9. Click Next. The Select a Device screen appears (Figure 12).



Figure 12: Select a Device Screen

10. Click Communications cable between two computers (COM2).
11. Click Next. The Connection Availability screen appears (Figure 13).
12. Click the appropriate option.



Figure 13: Connection Availability Screen (Windows 2000 OS Only)

13. Click Next. The Finished screen appears with the name you entered for the new phonebook entry (Figure 14).
14. Click Finish. A configured phonebook entry with the name you entered appears in all phonebook lists, and you are returned to the Serial Connection Information screen (Figure 9).

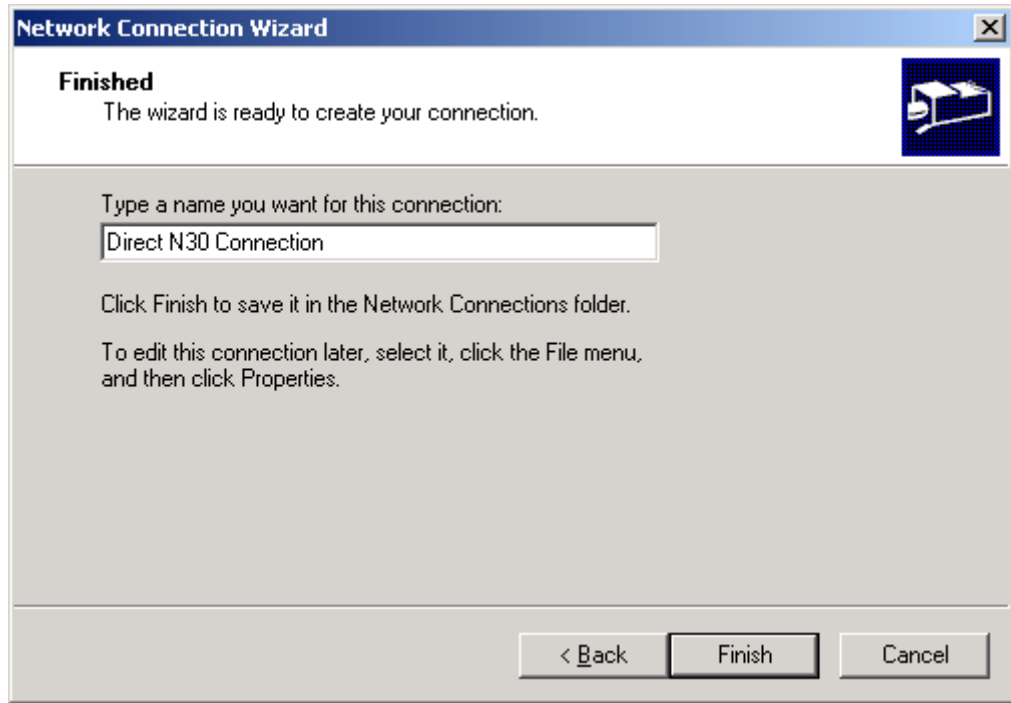


Figure 14: Finished Screen

15. If this is a new site, type the Site Name. This is the name that appears in Site Book.

IMPORTANT: This name is case sensitive.

16. In the Windows Phonebook Entry list, click the phonebook entry you just created.
17. Type the PPP Login ID and Password. These must match the PPP login ID and password in the N30 Device object of the N30 to which you want to connect.
18. Click OK. The Site Book screen reappears.

Note: The default PPP login ID and password are jci and 2468.

19. Click Close.

20. On the Windows Start menu, click Settings > Network and Dial-up Connections > [New Phonebook Entry Name]. The Connect screen appears, indicating the name of the new phonebook entry in the title bar (Figure 16).

Note: For some network configurations, a warning screen appears (Figure 15). Click OK and continue to Step 21.

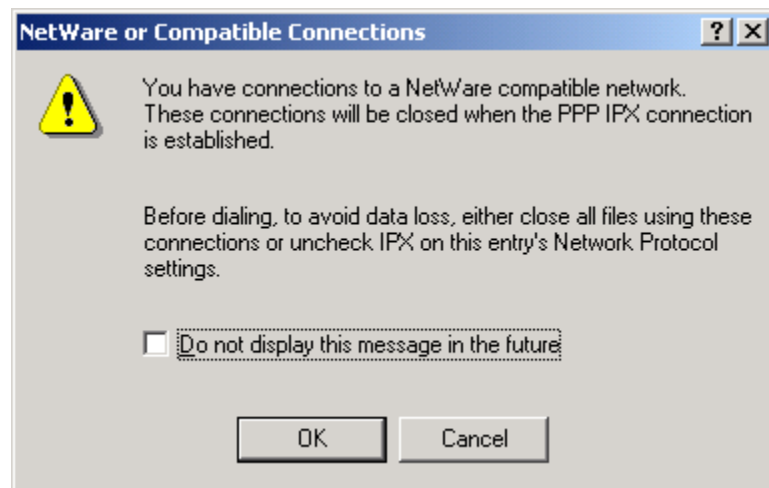


Figure 15: Warning Screen

21. Click Properties. The Connection Properties screen appears (Figure 17), indicating the name of the new phonebook entry in the title bar.

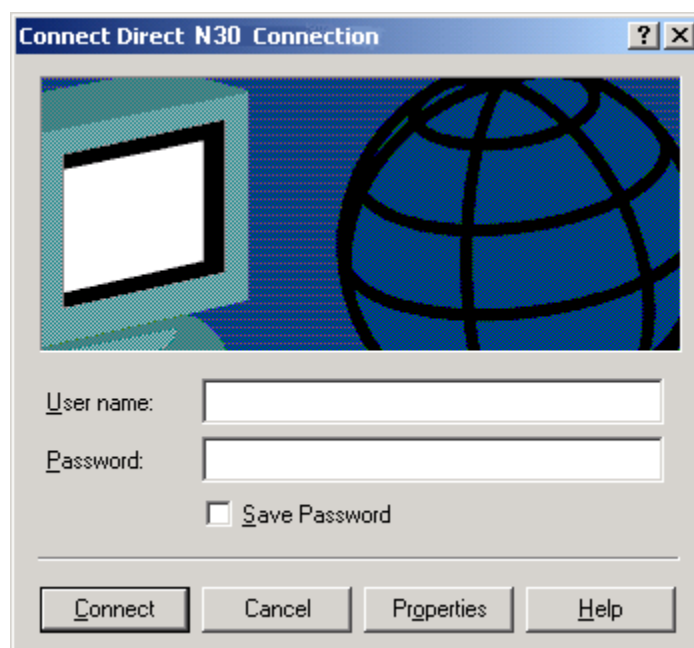


Figure 16: Connect Screen

22. On the General tab, click Configure. The Modem Configuration screen appears (Figure 18).

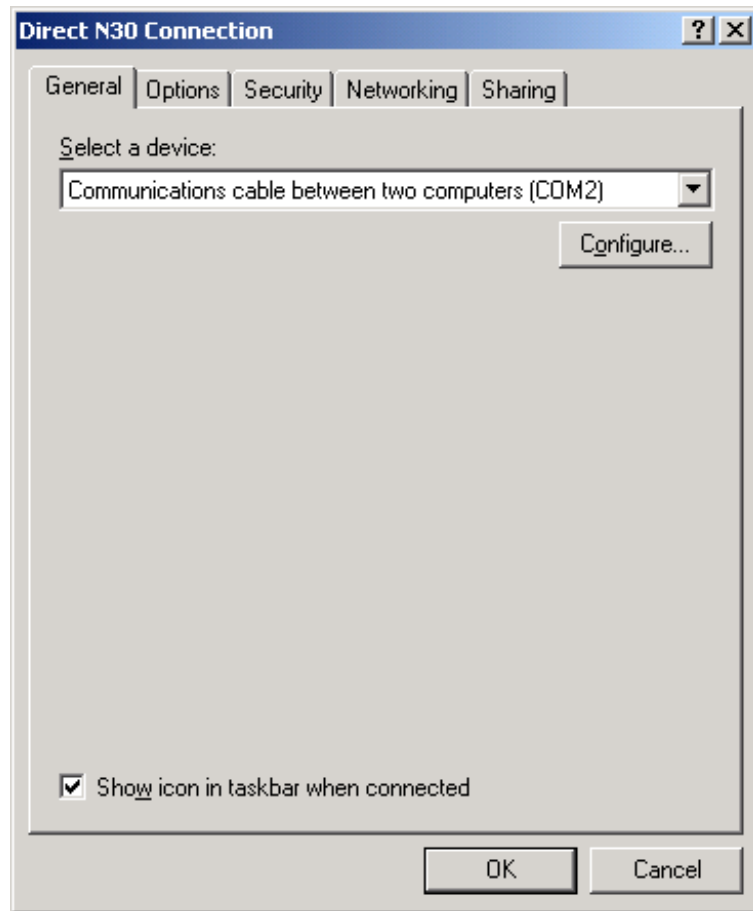


Figure 17: Connection Properties Screen

23. In the Maximum speed (bps) drop-down list, click the speed of the N30 port to which the PC is connecting.

Note: The default speed for N30 Ports 1 and 2 is 9,600 baud; the default speed for Port 3 is 57,600 baud.

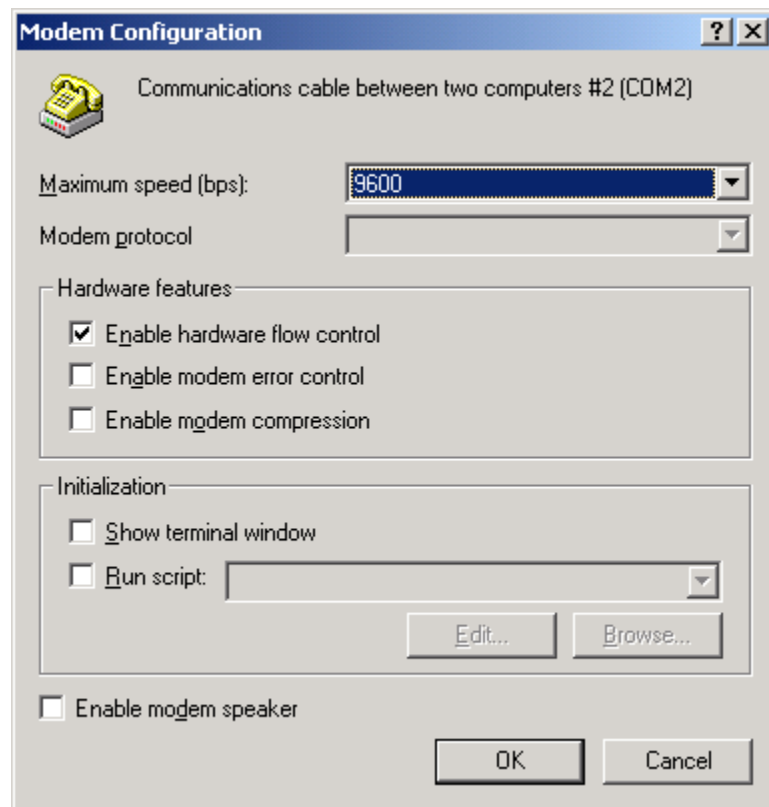


Figure 18: Modem Configuration Screen

24. Verify that in the Hardware features section, the Enable hardware flow control check box is the only check box selected (Figure 18).
25. Click OK. The Connection Properties screen reappears (Figure 17).
26. Click the Networking tab (Figure 19).

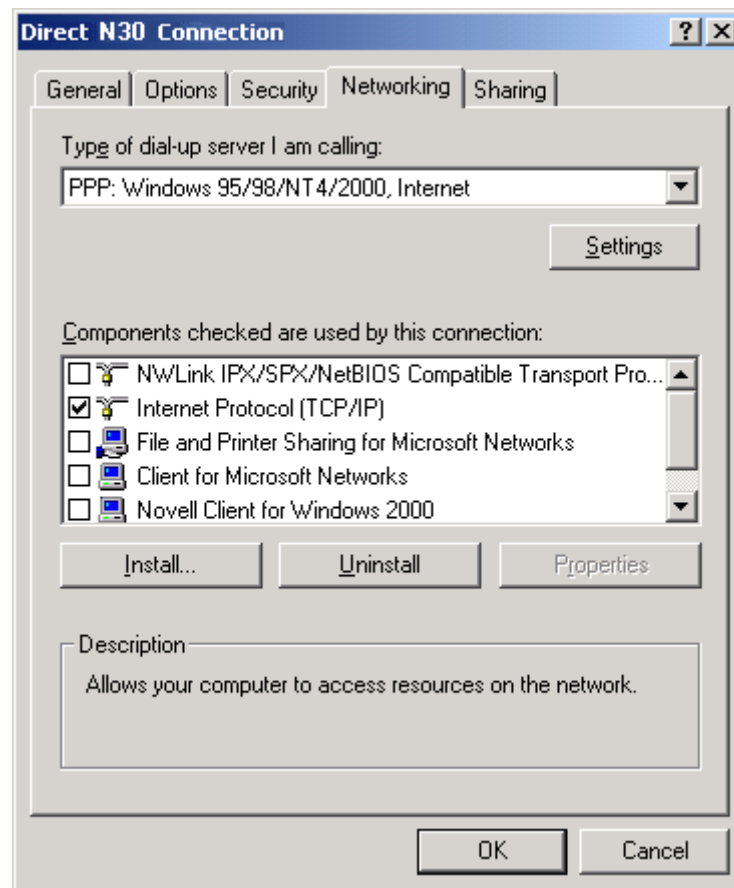


Figure 19: Connection Properties Screen - Networking Tab

29. In the Components checked are used by this connection list, clear all check boxes except the Internet Protocol (TCP/IP) check box.

30. Click OK. The Connect screen reappears (Figure 16).

Note: The check boxes for some components may appear shaded. These check boxes are unavailable and cannot be cleared. Leave these check boxes as they are.

31. Click Cancel. The new direct serial connection is complete.

Adding a Modem

Note: We recommend that you match modems for optimal communications with your sites. That is, use the same makes and model of modem on your PC as on your remote N30/M-Series Workstation sites.

To add a modem:

1. On the Windows Start menu, select Settings > Control Panel.
2. Double-click the Phone And Modem Options icon. The Phone And Modem Options screen appears.
3. Click the Modems tab (Figure 20).

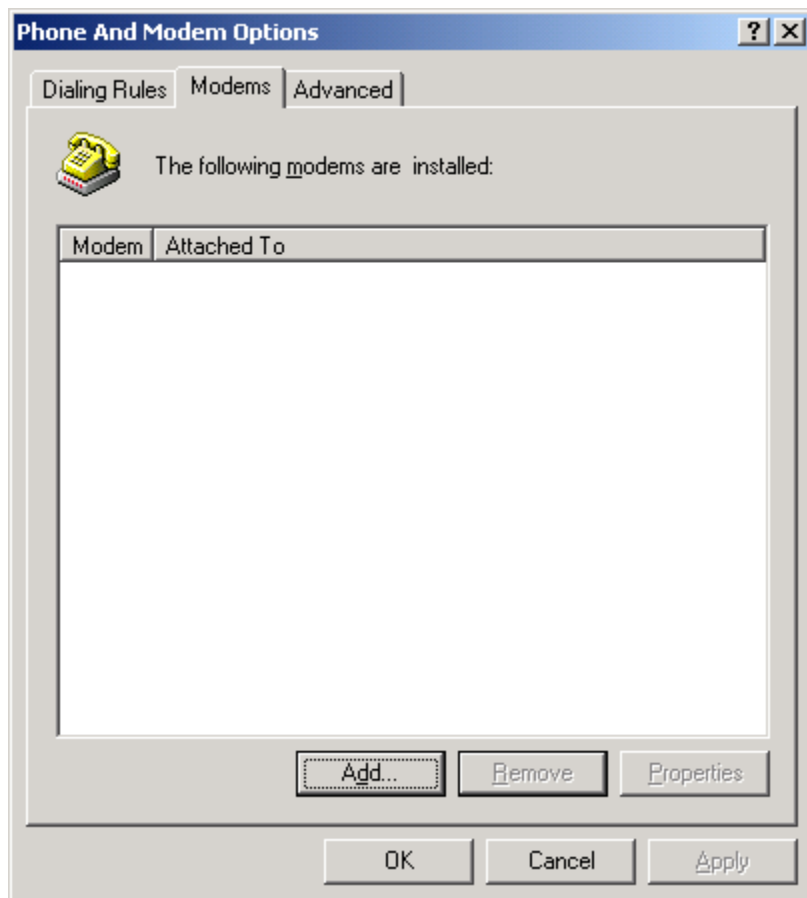


Figure 20: Phone And Modem Options Screen - Modems Tab

Note: If a modem is already installed, it appears here. Click Cancel and continue to the *Making a New Dial-up Connection* section in this document.

4. Click Add.

5. To allow Windows operating system to detect your modem automatically, click Next (this process may require a few minutes) and continue to Step 6.
6. To select the modem manually, select the Don't detect my modem; I will select it from a list check box. Click Next and continue to Step 7.

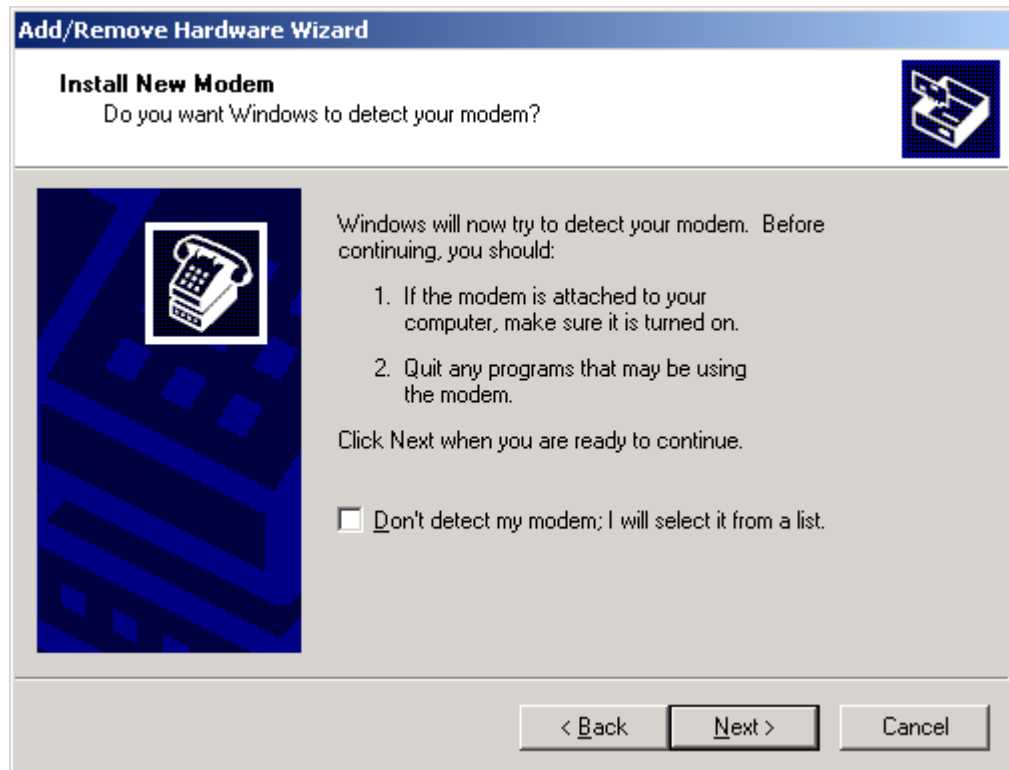


Figure 21: Install New Modem Screen

Note: Windows operating system detects your modem and lists it. Verify that the manufacturer and model are correct.

7. If the information is correct, click Next and continue to Step 9.
8. If the information is not correct or the modem is indicated as Unknown Modem (Figure 22), click Change and return to Step 7.

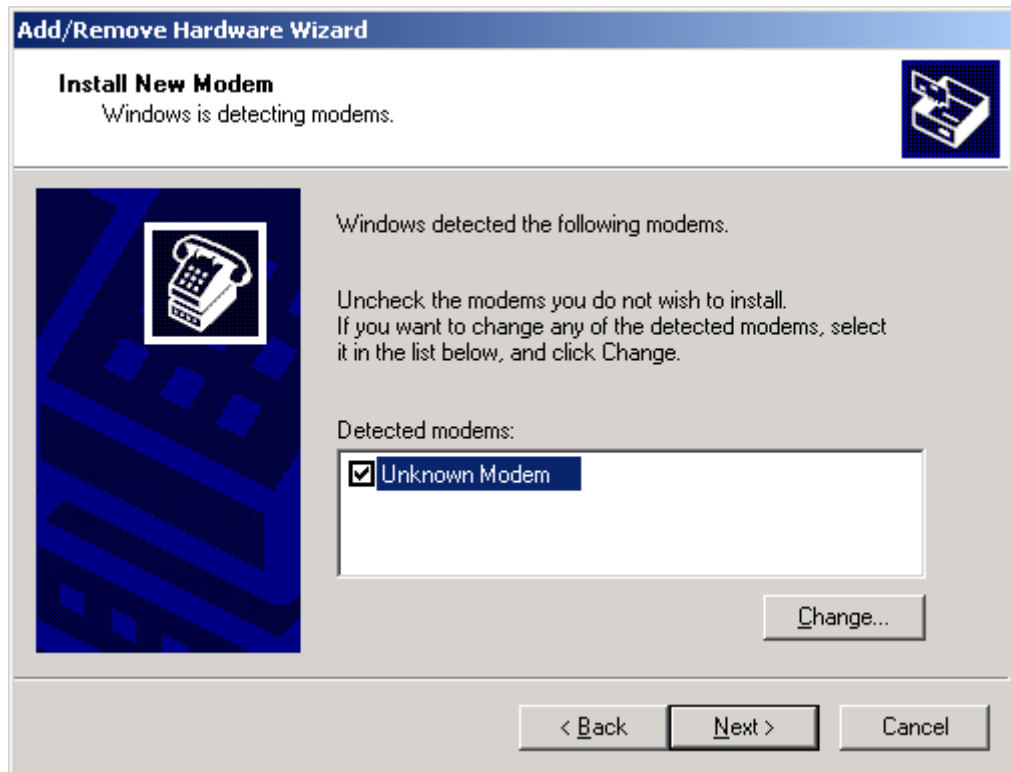


Figure 22: Install New Modem Screen - Modem Detection

Note: The Install New Modem screen appears (Figure 23). Click the Manufacturer and Model of your modem.

9. Click OK.

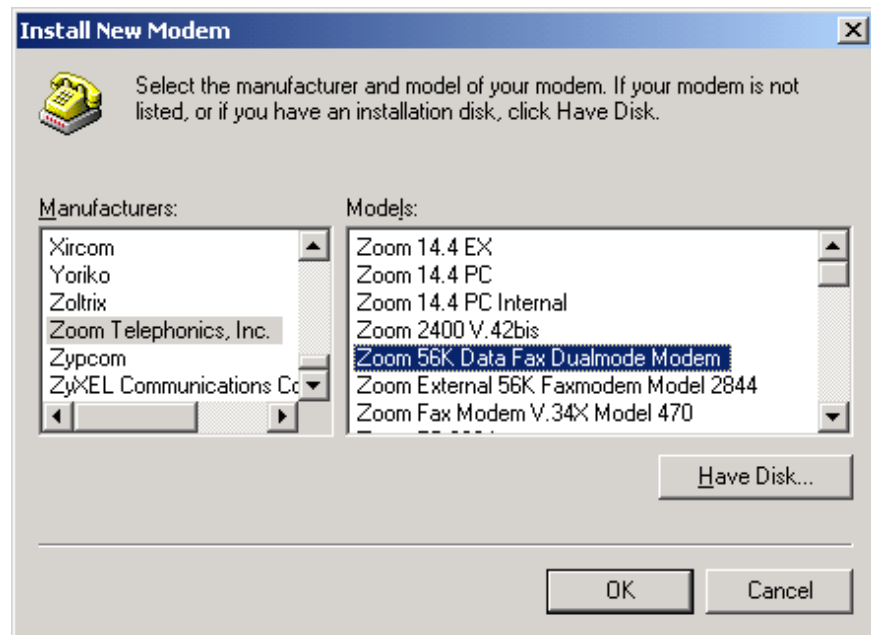


Figure 23: Install New Modem Screen

10. Choose the appropriate option:

- a. If you allowed the Windows operating system to automatically detect your modem, the Install New Modem screen reappears with the corrected modem information. Click Next. Return to Step 10.
- b. If you selected the modem manually, the Install New Modem screen appears prompting you to select the port for the modem (Figure 24). Click the appropriate port and click Next. Proceed to Step 11.

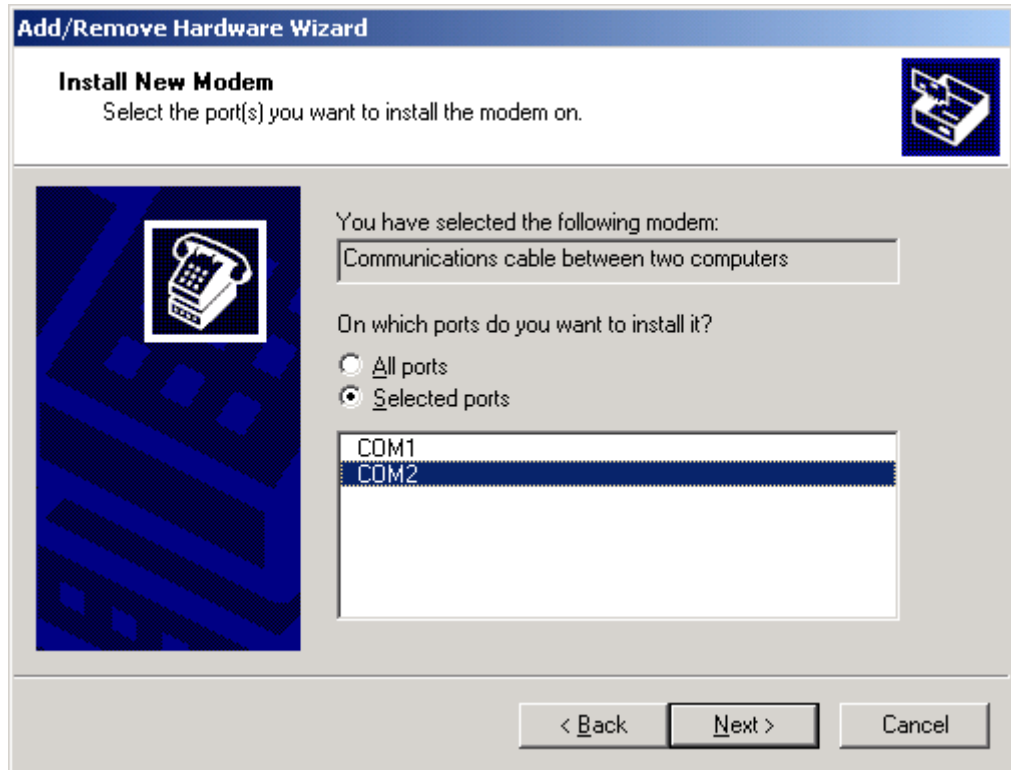


Figure 24: Install New Modem Screen - Select Port

Note: The final Install New Modem screen appears (Figure 25).

11. Click Finish.

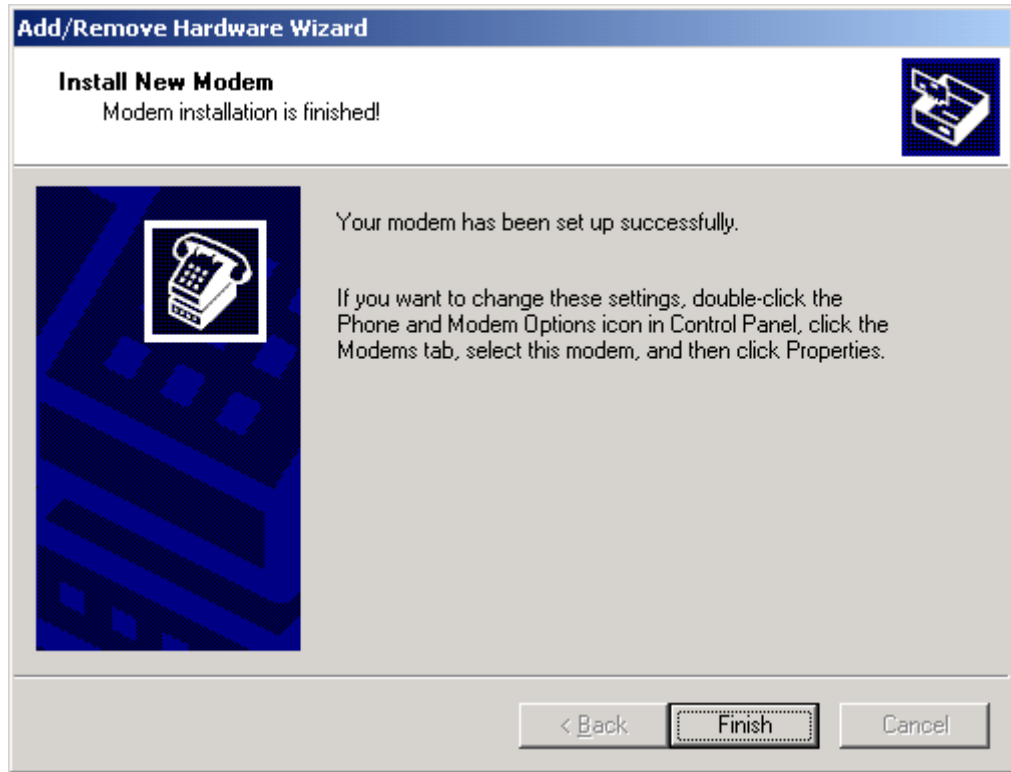


Figure 25: Install New Modem Screen - Installation Finished

Note: The Phone And Modem Options screen reappears with the completed modem installation (Figure 26).

12. Click Properties. The Modem Properties screen appears (Figure 27).

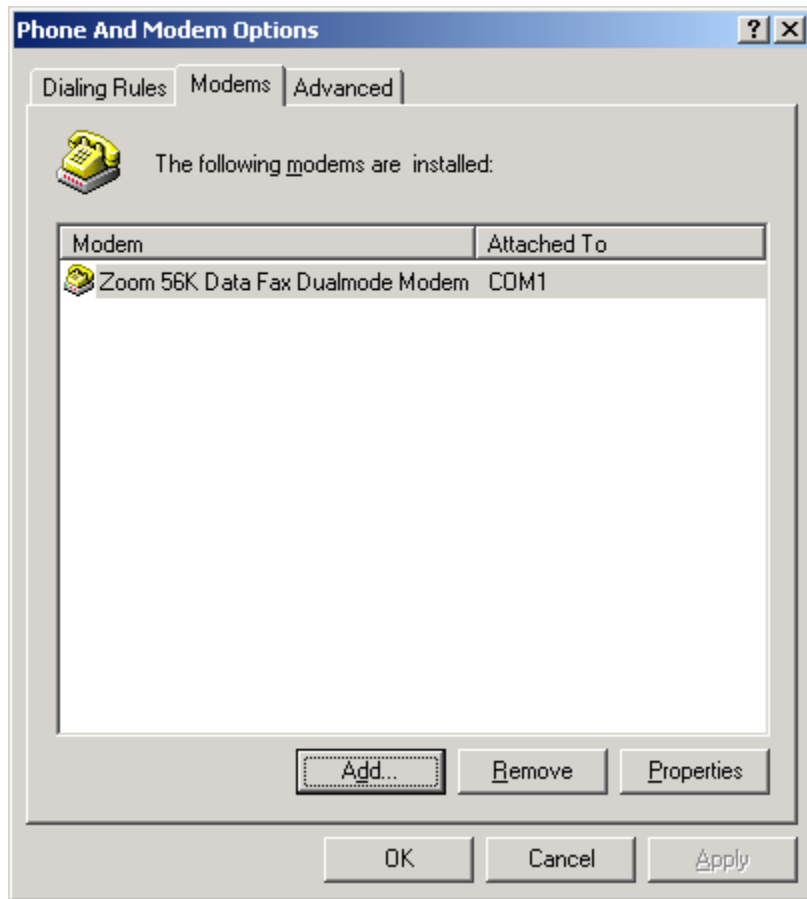


Figure 26: Phone And Modem Options Screen - Installation Complete

13. In the Maximum Port Speed drop-down list, click the speed of the N30 port to which the PC is connecting.

Note: The default speed for N30 Ports 1 and 2 is 9600 baud; the default speed for Port 3 is 57,600 baud.

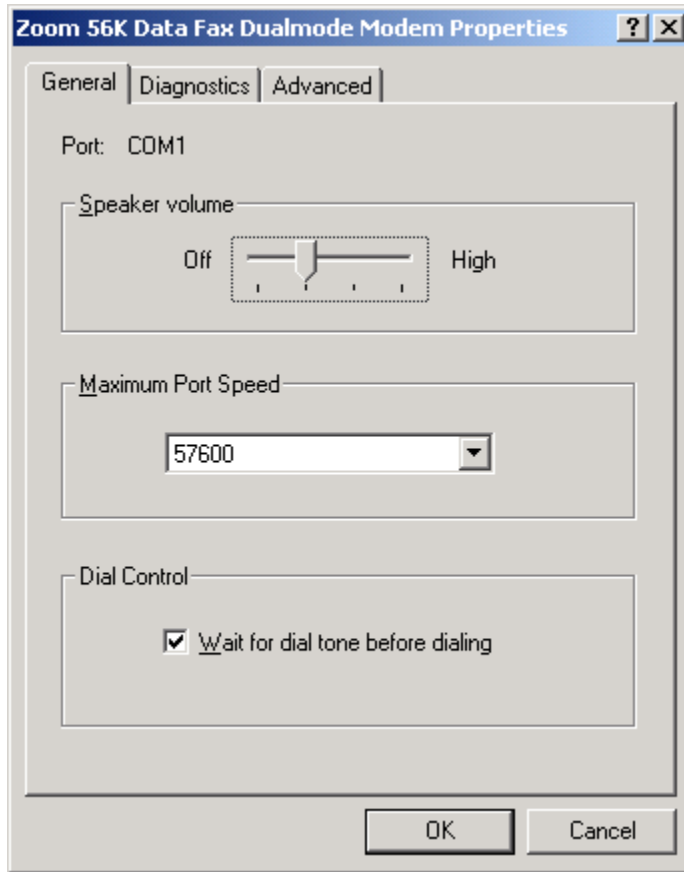


Figure 27: Modem Properties Screen

14. Click OK. The Phone And Modem Options screen reappears (Figure 26).
15. Click OK. The Control Panel screen reappears.
16. Close the Control Panel screen.

Making a New Dial-up Connection

To make a new dial-up connection:

1. Start Site Book. On the Windows Start menu, click Programs > Johnson Controls > BACnet OPC > Site Book. The Site Book main screen appears (Figure 28).

Note: Site Book may also be started from within other programs. See the appropriate documentation if necessary. For example, to start Site Book within Project Builder, refer to *Defining a Site* chapter (LIT-693220) of the *Project Builder User's Guide*.

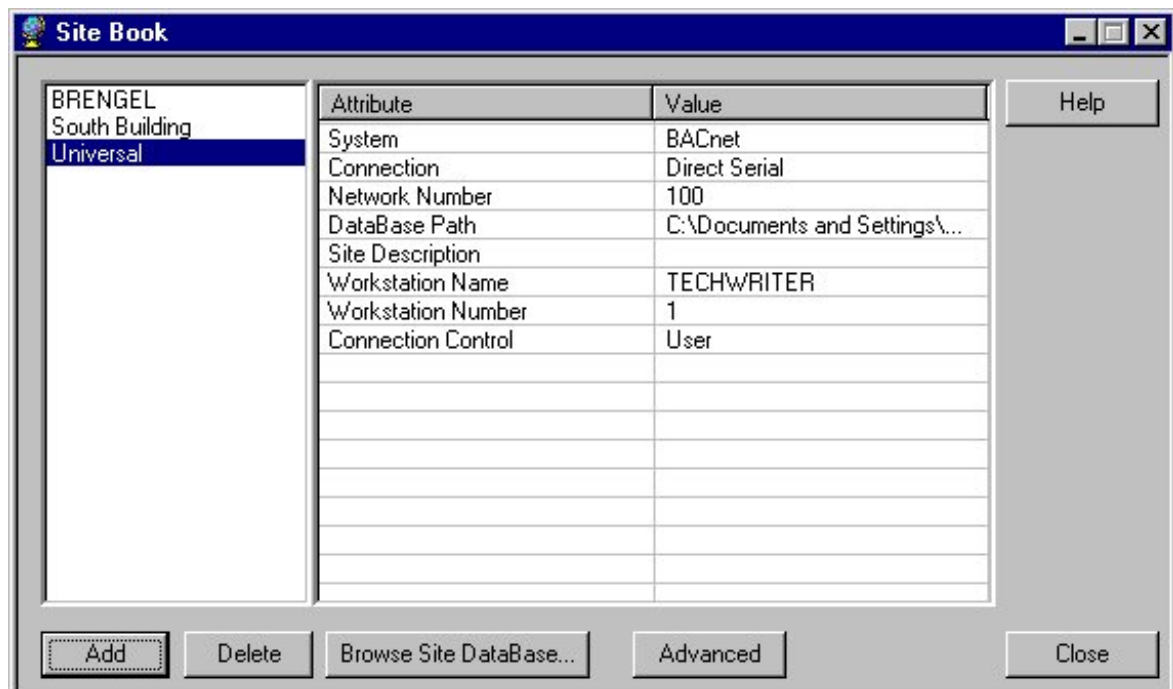


Figure 28: Site Book Main Screen

2. Click Add to add a new site. The Choose a Connection Type screen appears (Figure 29).

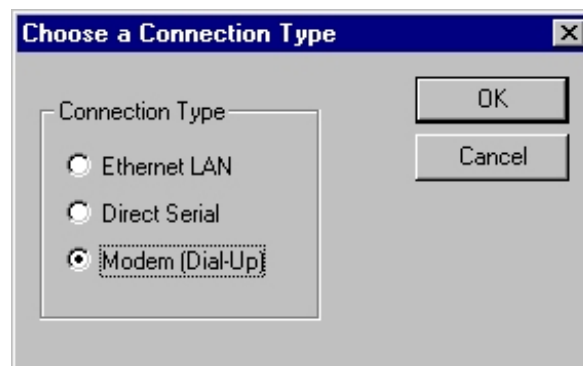


Figure 29: Choose a Connection Type Screen

Note: Alternately, to add a dial-up (modem) connection type to an existing site, double-click the Connection attribute, select Modem (Dial-Up) from the connection type drop-down list, and continue with Step 5.

3. Click Modem (Dial-Up).
4. Click OK. The Serial Connection Information screen appears (Figure 30).

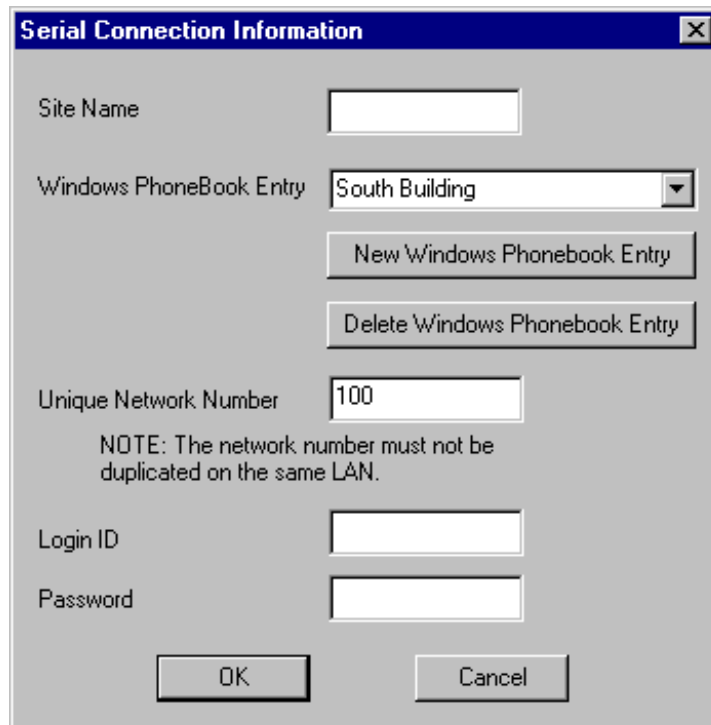
The image shows a Windows-style dialog box titled "Serial Connection Information". It has a blue title bar with a close button (X) in the top right corner. The dialog contains several input fields and buttons. At the top, there is a "Site Name" text box. Below it is a "Windows PhoneBook Entry" dropdown menu currently showing "South Building". Under the dropdown are two buttons: "New Windows Phonebook Entry" and "Delete Windows Phonebook Entry". Below these is a "Unique Network Number" text box containing the value "100". A note below this field states: "NOTE: The network number must not be duplicated on the same LAN." Further down are "Login ID" and "Password" text boxes. At the bottom are "OK" and "Cancel" buttons.

Figure 30: Serial Connection Information Screen

5. Click New Windows Phonebook Entry. The Phonebook Entry Name screen appears (Figure 31).

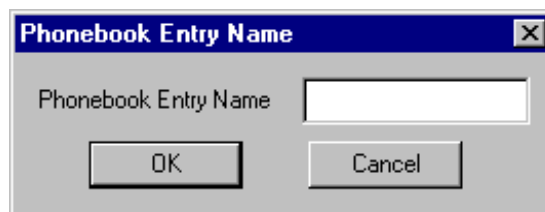
The image shows a smaller Windows-style dialog box titled "Phonebook Entry Name". It has a blue title bar with a close button (X) in the top right corner. The dialog contains a single "Phonebook Entry Name" text box. At the bottom are "OK" and "Cancel" buttons.

Figure 31: Phonebook Entry Name Screen

Note: If no other entries have been made, the empty phonebook message appears. Click OK and continue with Step 6.

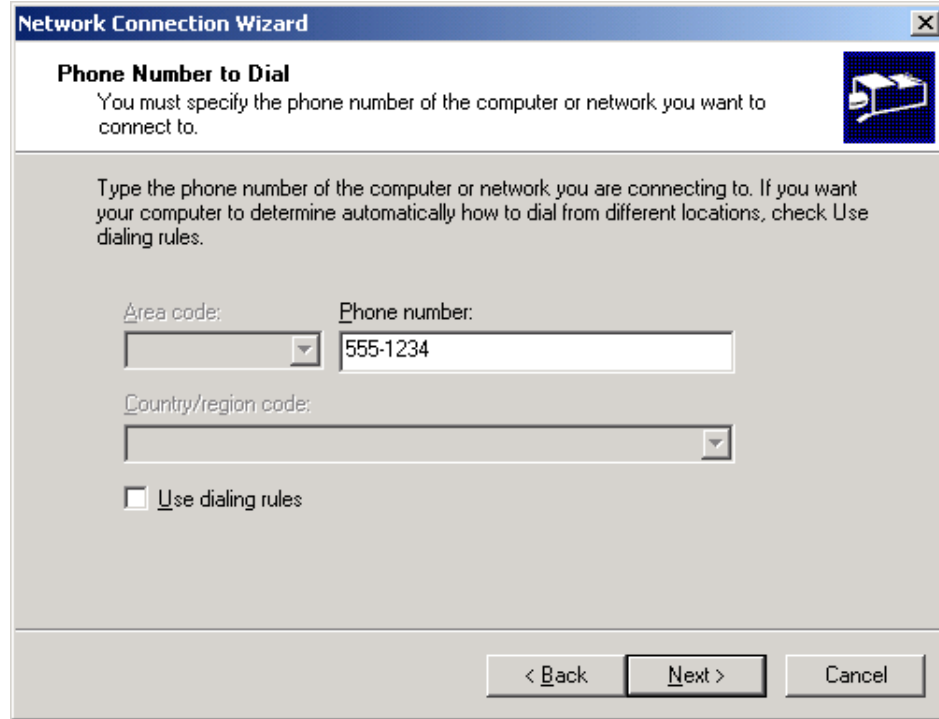
6. Type a name for the entry.
7. Click OK. The Type of Connection screen appears (Figure 32).

Note: The Phonebook Entry name cannot contain a hyphen (-) or forward slash character (/).



Figure 32: Type of Connection Screen

8. Click Dial-up to private network.
9. Click Next. The Phone Number to Dial screen appears (Figure 33).



The screenshot shows a Windows dialog box titled "Network Connection Wizard". The main heading is "Phone Number to Dial". Below the heading, it says "You must specify the phone number of the computer or network you want to connect to." There is a small icon of a telephone handset in the top right corner. The main area contains instructions: "Type the phone number of the computer or network you are connecting to. If you want your computer to determine automatically how to dial from different locations, check Use dialing rules." Below this, there are three input fields: "Area code:" with a dropdown arrow, "Phone number:" with a text box containing "555-1234", and "Country/region code:" with a dropdown arrow. At the bottom left, there is a checkbox labeled "Use dialing rules" which is currently unchecked. At the bottom right, there are three buttons: "< Back", "Next >", and "Cancel".

Figure 33: Phone Number to Dial Screen

Note: If more than one dial-up device is installed on the workstation, the Select a Device screen appears. Select the check box for the appropriate device and click Next. Continue to Step 10.

10. Type the phone number for the PC to dial. To have the PC determine how to dial from different locations, select the Use dialing rules check box.

11. Click Next. The Connection Availability screen appears (Figure 34).



Figure 34: Connection Availability Screen

Note: The Dialing Rules feature allows you to create rules for dialing from different locations. Dialing Rules can include options such as dialing 9 for an outside line. To set up Dialing Rules, open the Phone And Modem Options screen as described in the *Adding a Modem* section. Use the Dialing Rules tab to set rules for different locations.

12. Click the appropriate option.
13. Click Next. The Finished screen appears with the name you entered for the new phonebook entry (Figure 35).
14. Click Finish.

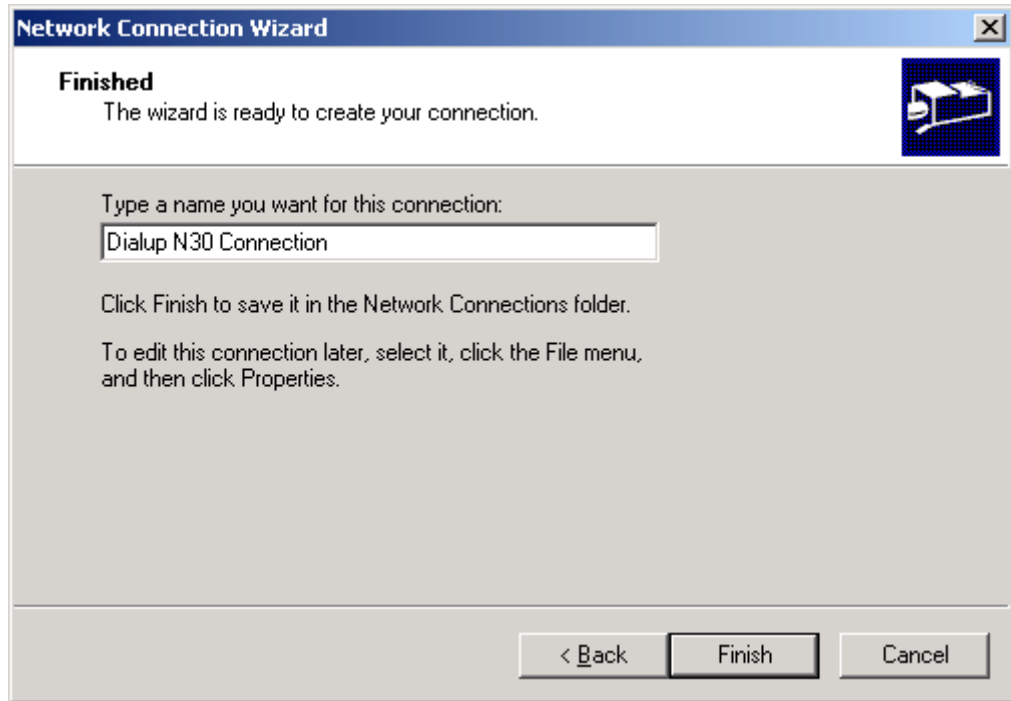


Figure 35: Finished Screen

Notes: A configured phonebook entry with the name you entered appears in all phonebook lists and you are returned to the Serial Connection Information screen (Figure 30).

Notes: If this is a new site, type the Site Name. This is the name that appears in Site Book. This name is case sensitive.

15. In the Windows Phonebook Entry list, click the phonebook entry you just created.

16. Type the PPP Login ID and Password. These must match the PPP login ID and password in the N30 Device object of the N30 to which you want to connect.

17. Click OK. The Site Book screen reappears.

Note: The default PPP login ID and password are jci and 2468.

18. Click Close.

19. On a Windows 2000 operating system: from the Windows Start menu, click Settings > Network and Dial-up Connections > [New Phonebook Entry Name].

On a Windows XP operating system: from the Windows Start menu, click Network Connections > [New Phone Book Entry Name].

Note: For some network configurations, a warning screen appears (Figure 36). Click OK and continue to Step 19.

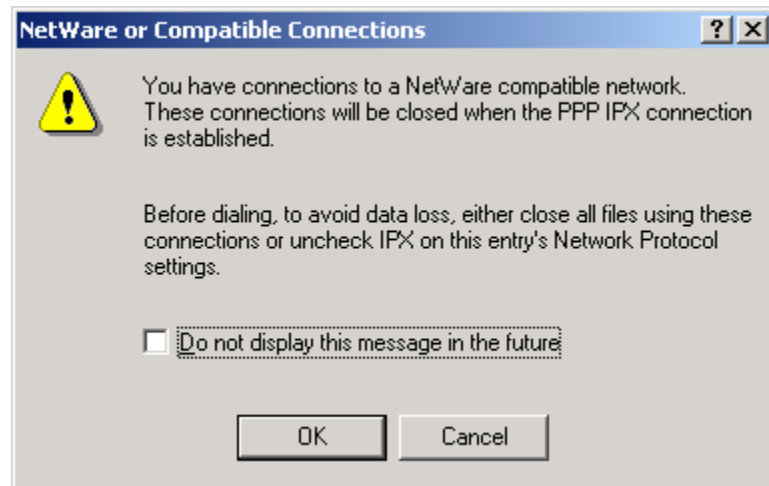


Figure 36: Warning Screen

The Connect screen appears indicating the name of the new connection in the title bar (Figure 37).

20. Click Properties.



Figure 37: Connect Screen

The Connection Properties screen appears (Figure 38) indicating the name of the new connection in the title bar.

21. On the General tab, click Configure.

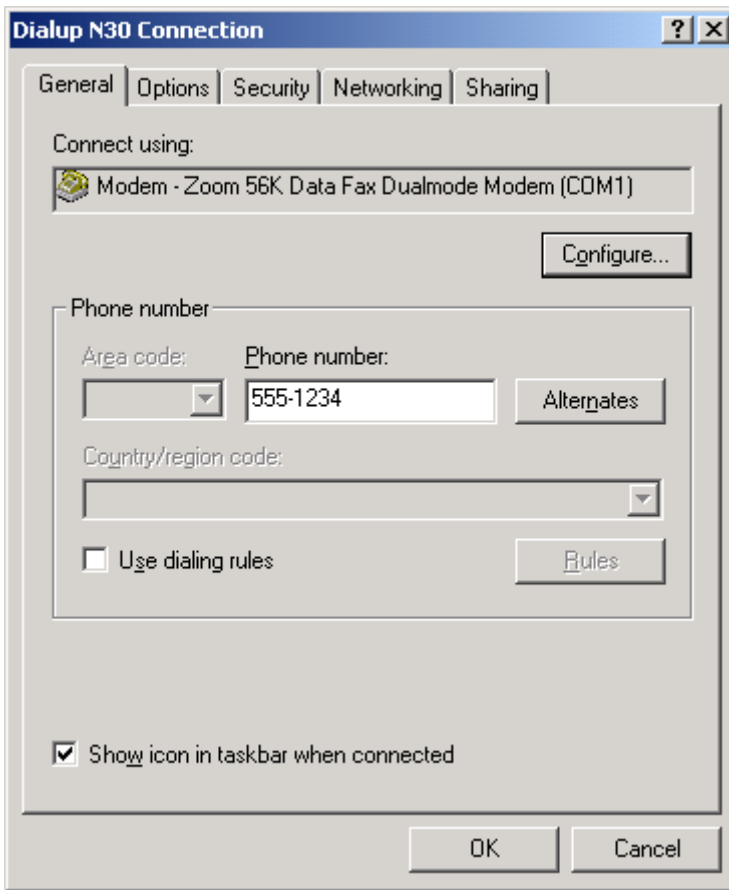


Figure 38: Connection Properties Screen

The Modem Configuration screen appears (Figure 39).

22. In the Maximum speed (bps) drop-down list, click the speed of the N30 port to which the PC is connecting.

Note: The default speed for N30 Ports 1 and 2 is 9600 baud; the default speed for Port 3 is 57,600 baud.

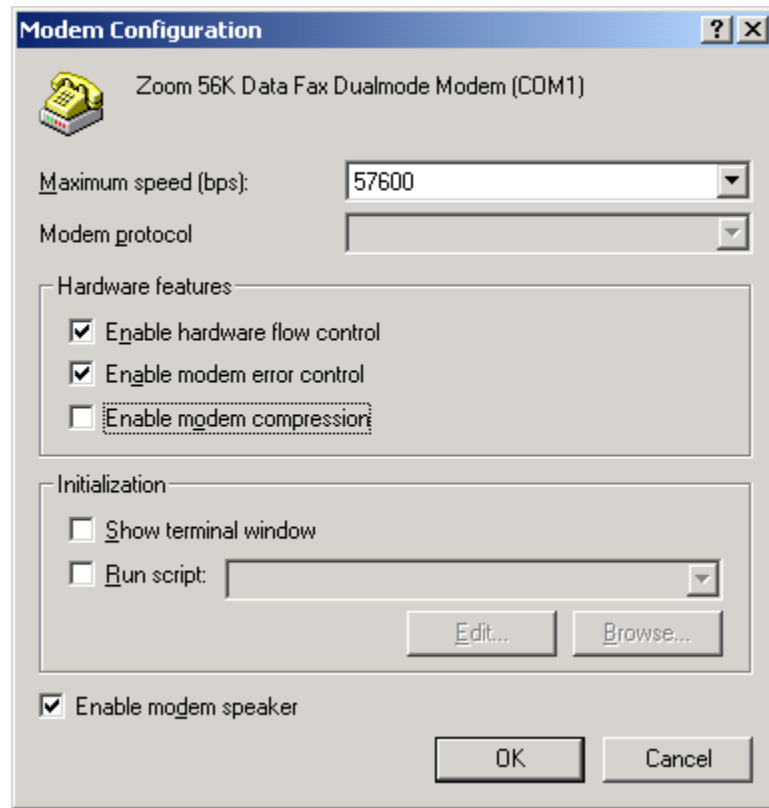


Figure 39: Modem Configuration Screen

23. In the Hardware features section, clear the Enable modem compression check box (Figure 39).
24. Click OK. The Connection Properties screen returns (Figure 38).
25. Click the Networking tab (Figure 40).

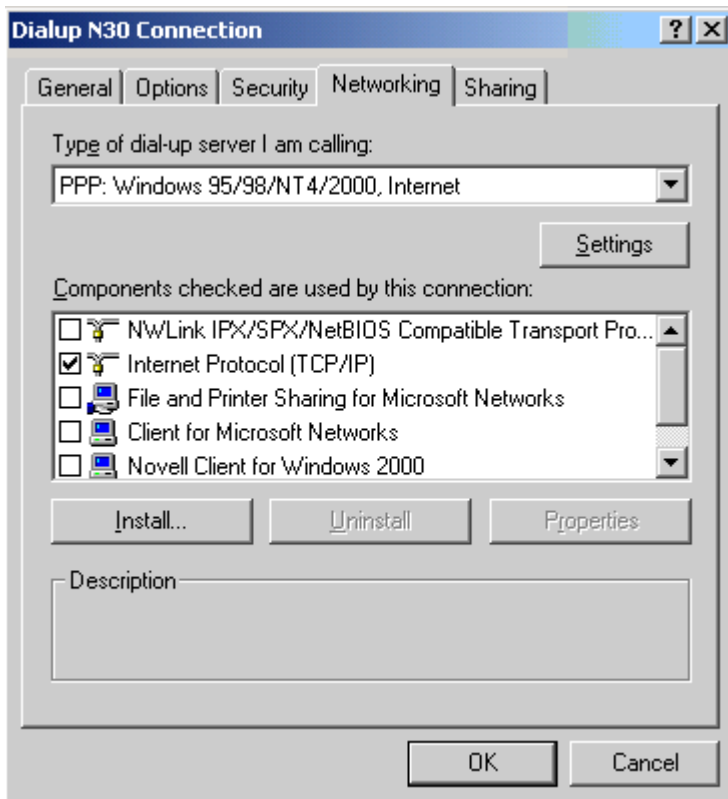


Figure 40: Connection Properties Screen - Networking Tab

26. In the Components checked are used by this connection list, clear all check boxes except the Internet Protocol (TCP/IP) check box.
27. Click OK. The Connect screen returns (Figure 37).

Note: The check boxes for some components may appear shaded. These check boxes are unavailable and cannot be cleared. Leave these check boxes as they are.

28. Click Cancel. The new dial-up connection is complete.

Making a New Dial-in Connection

Note: The *Making a New Dial-in Connection* procedure is similar for both Windows 2000 and Windows XP operating systems. Steps 1-5 detail the operating system differences.

To make a new dial-in connection:

1. On a Windows XP operating system: From the Start menu, click Control Panel > Network Connections.

On a Windows 2000 operating system: On the Windows Start menu, click Settings > Network and Dial-up Connections > Make New Connection. The Network Connection Wizard screen appears (Figure 41).



Figure 41: Network Connection Wizard Screen

2. On a Windows XP operating system: On the left side of the Network Connections screen, click Create a New Connection. The New Connection Screen appears (Figure 41).

On a Windows 2000 operating system: Click Next. The Network Connection Type screen appears (Figure 43).

3. On a Windows XP operating system: Select **Set up an advanced connection** (Figure 42).



Figure 42: Network Connection Type - Advanced Connection Screen

On a Windows 2000 operating system: Click **Accept incoming connections** (Figure 43). Skip to Step 6.

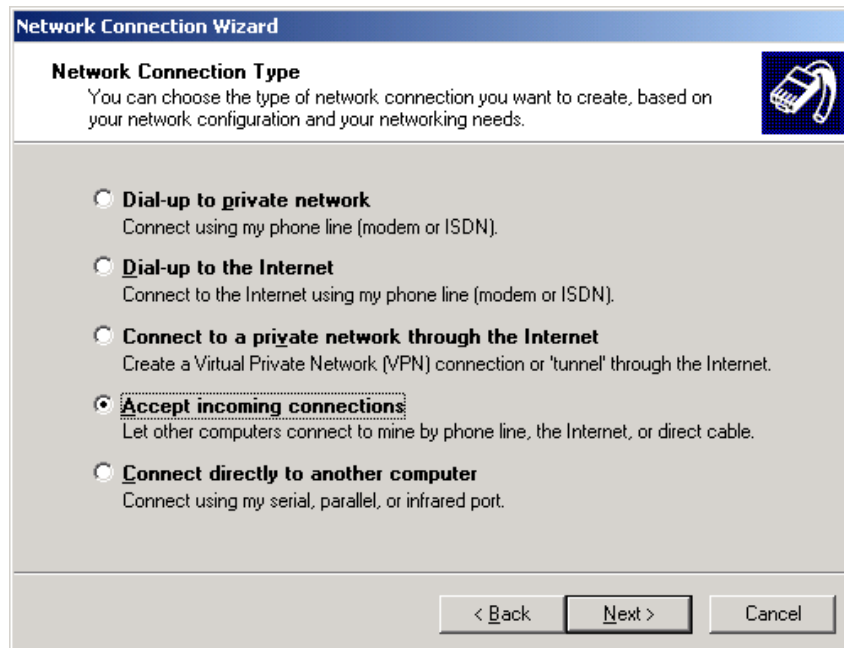


Figure 43: Network Connection Type Screen

4. On a Windows XP operating system: Click Next. The Advanced Connection Options screen appears (Figure 44).
5. On a Windows XP operating system: Select Accept incoming connections.



Figure 44: Advanced Connection Options Screen

6. Click Next. The Devices for Incoming Connections screen appears (Figure 45).

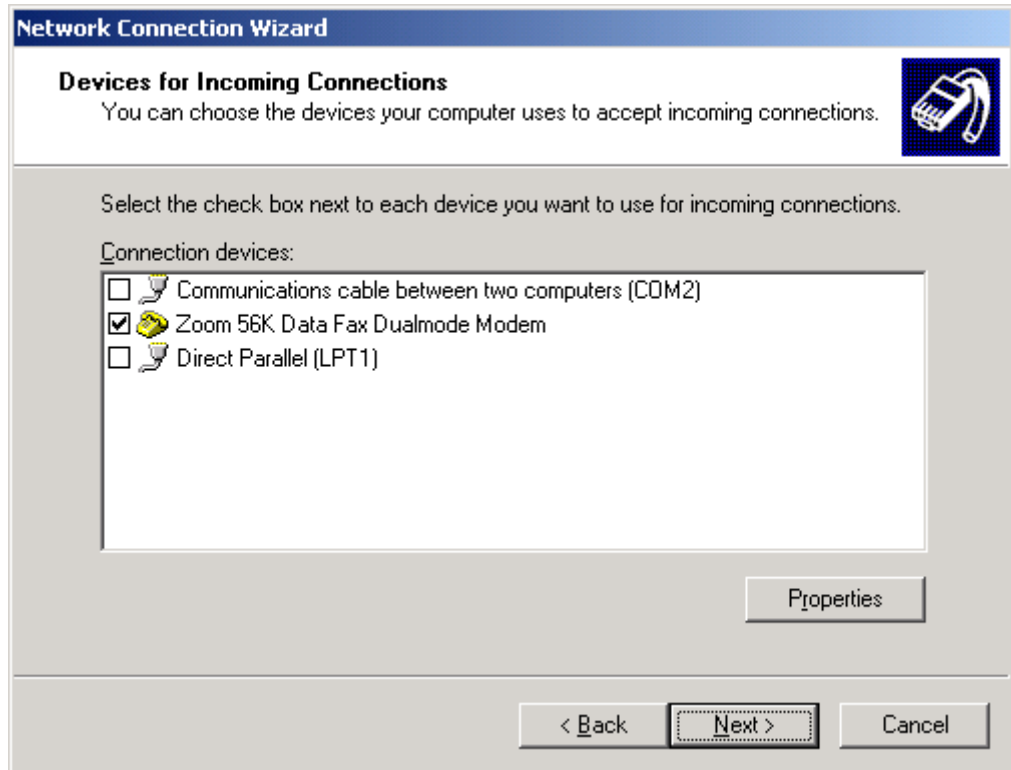


Figure 45: Devices for Incoming Connections Screen

7. Select the check box for the modem to use for incoming connections. Clear all other check boxes.
8. Click Next. The Incoming Virtual Private Connection screen appears (Figure 46).
9. Verify that Do not allow virtual private connections is selected.
10. Click Next.

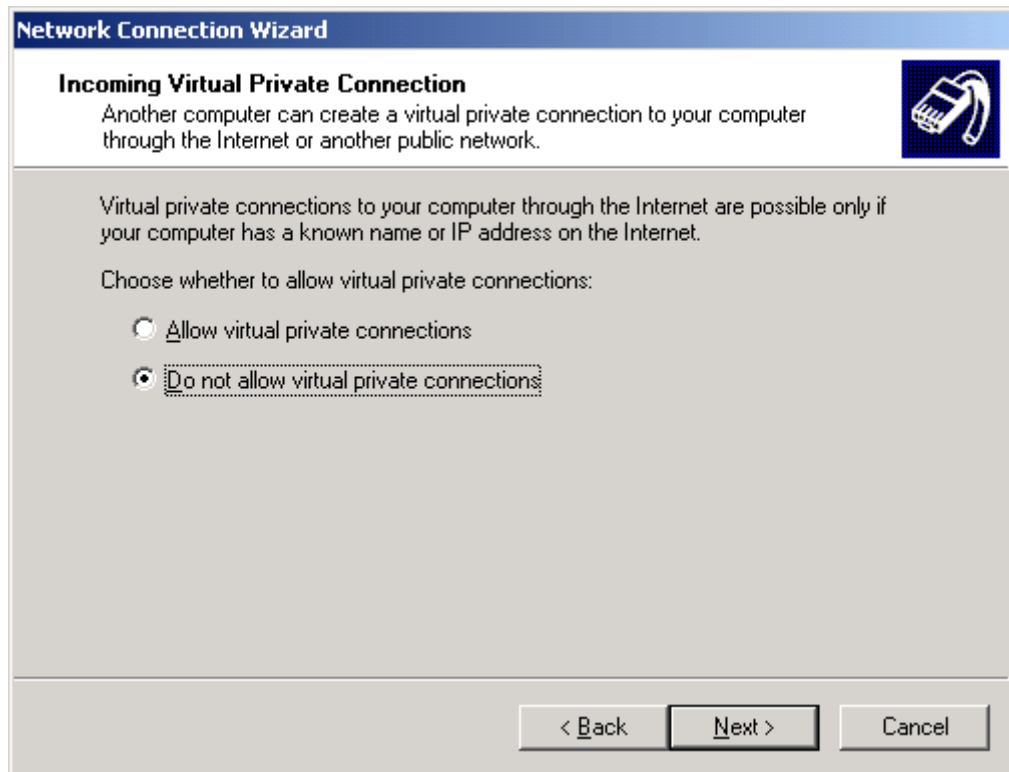


Figure 46: Incoming Virtual Private Connection Screen

11. The Allowed Users screen appears (Figure 47). Choose the appropriate option:
 - a. If the users to connect to the PC appear in the list, select the check boxes for those users. Clear all other check boxes. Click Next and continue to Step 14.
 - b. If the users to connect to the PC do not appear in the list, go to Step 10.

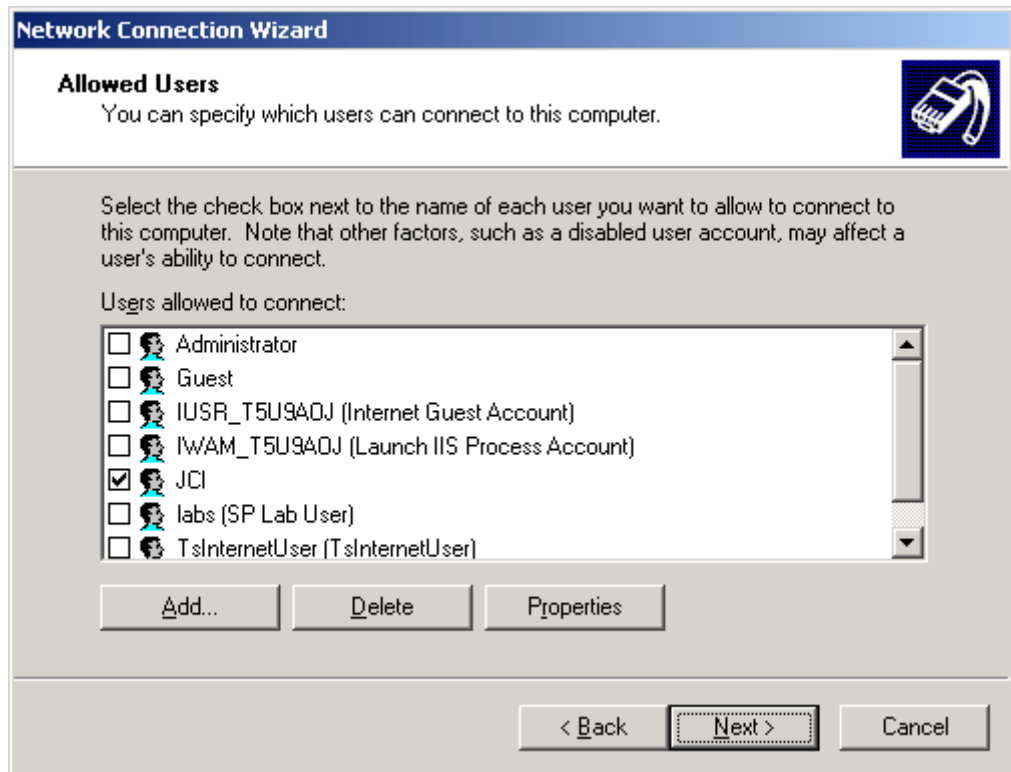


Figure 47: Allowed Users Screen

12. To create a new user, click Add. The New User screen appears (Figure 48). Complete the screen as follows:

- a. User name: Type the PPP login ID.
- b. Full name: Type a full name for the user.
- c. Password: Type the password.
- d. Confirm password: Type the password again.

Note: The User name and Password in the New User screen must match the PPP login ID and password in the N30 Device object of the N30 with which you want to communicate. Default PPP login ID and passwords are jci and 2468.

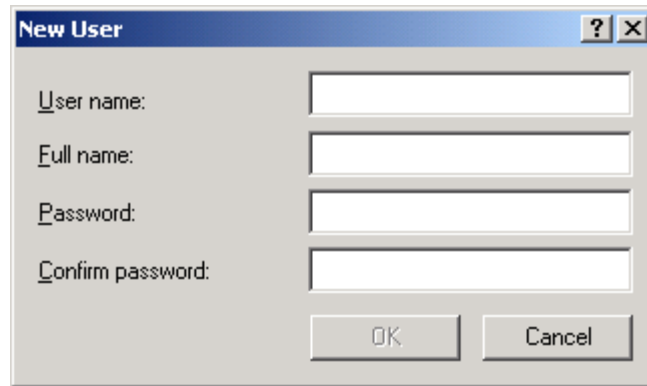


Figure 48: New User Screen

13. Click OK. The new user appears in the list with its check box selected.
14. Repeat Steps 10 and 11 for all new users to connect to the PC.
15. Click Next. The Networking Components screen appears (Figure 49).
16. Select the Internet Protocol (TCP/IP) check box and the File and Printer Sharing for Microsoft Networks check box. Clear all other check boxes.

Note: The check boxes for some components may appear shaded. These check boxes are unavailable and cannot be cleared. Leave these check boxes as they are.

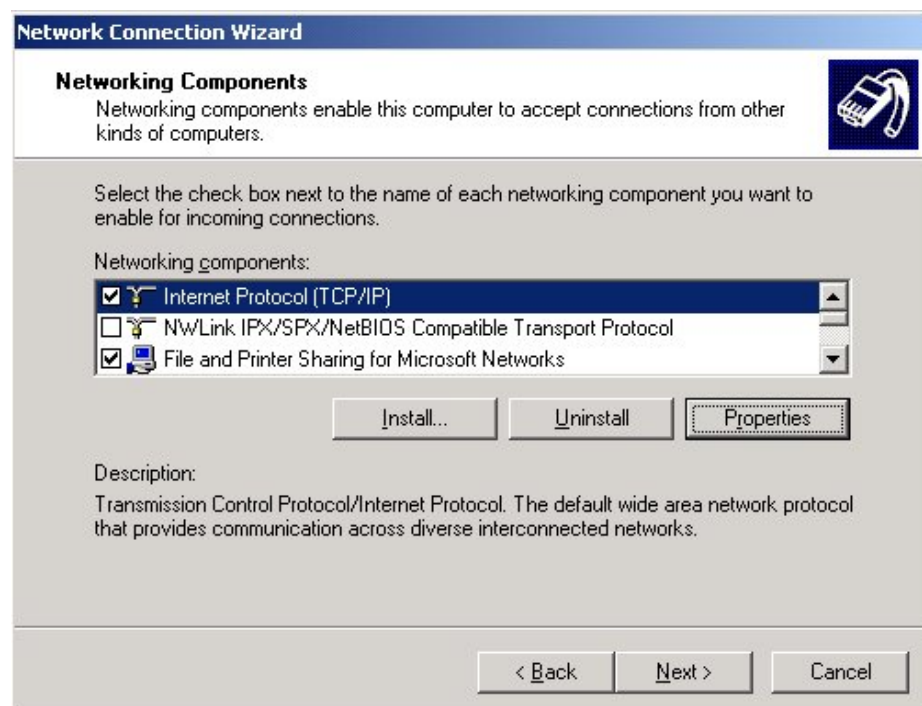


Figure 49: Networking Components Screen

17. Click Properties. The Incoming TCP/IP Properties dialog box appears (Figure 50).

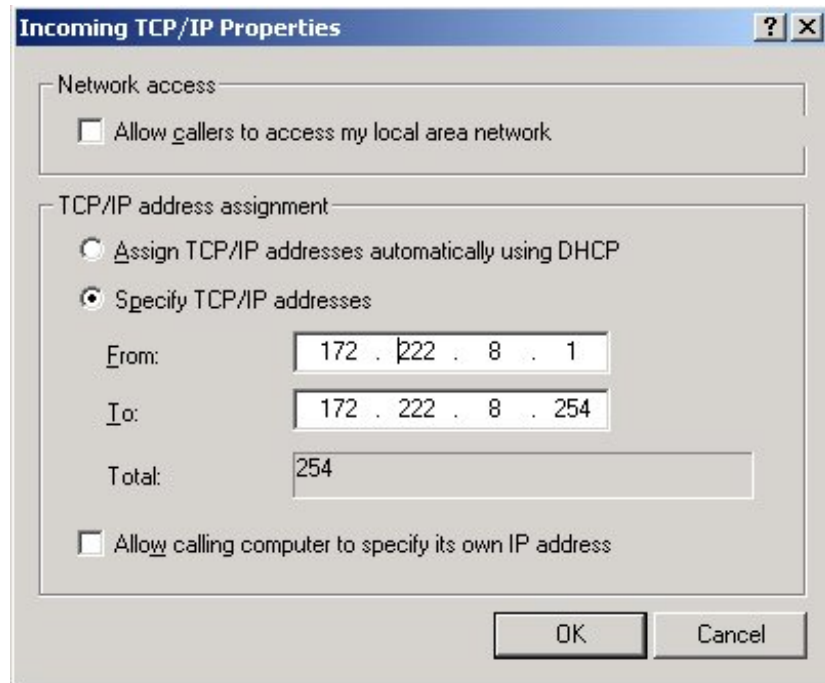


Figure 50: Incoming TCP/IP Properties

18. Specify a TCP/IP address other than your local network. If you have questions regarding your TCP/IP address, talk to your local network administrator.

Notes: In the From field, use an IP address of either 172.x.x.1 or 10.x.x.1. X indicates a value from 0 to 255. In the To field, use an IP address of either 172.x.x.254 or 10.x.x.254. This gives a 254 IP address assignment range.

Network Administrators use the 10.x.x.x IP address for their internal IP address range. If your computer is set up to use the 10.x.x.x IP address on your LAN connection, use the 172.x.x.x range.

IMPORTANT: Be sure to uncheck the Allow calling computer to specify its own IP Address radio button on the Incoming TCP/IP Properties dialog box.

19. Click OK. The Incoming TCP/IP Properties dialog box closes.
20. Click Next. The Network Connection Wizard dialog box appears (Figure 51). The Wizard assigns the name Incoming Connections for the dial-in connection.
21. Click Finish.

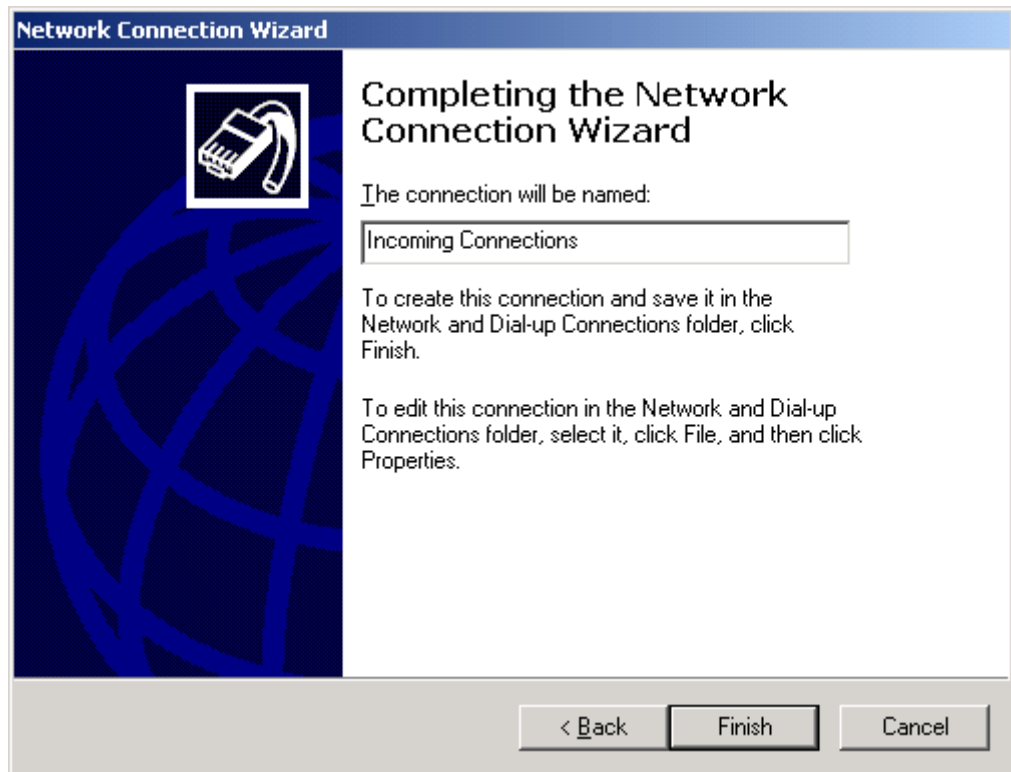


Figure 51: Completing the Network Connection Wizard Screen