

*Web*Master[®]
and
*Web*Alert[®]

Quick Start - Up Guide

INCLUDES

Step-by-Step Set Up Procedures
Dial-Up Adapter Scripts

W A L C H E M

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Computer Requirements

The computer hardware guidelines which you use to surf the Internet are basically the same as what works for the WebMaster connection. You'll need sufficient memory to run your computer's operating system and web browser, and a CPU with enough processing speed to easily handle web pages for easy viewing.

Personal computer requirements for all four methods of communication are as follows:

- ▶ **At least one available serial port (for direct serial connection)**
- ▶ **100 MHz min. processor**
- ▶ **40MB minimum RAM**
- ▶ **Windows operating system** (95, 98, ME, 2000 or XP)
- ▶ **Windows Internet Explorer** (ver. 5.0 or higher)

SUPPORT LITERATURE

Simple step-by-step instructions in our support literature will help make the start-up of your WebMaster or WebAlert quick and easy. The following materials have been supplied to help get you started:

- Quick Start Guide**
- Instruction Manual**
- Serial Null Modem Cable** (PC-AT)
- Null Modem Driver Disk**
(only required for 95, 98, or ME)



Introduction

Welcome to your Quick Start Guide. This guide is a short form version of the Instruction Manual focused on establishing basic communications to the Walchem WebMaster or WebAlert.

There are four methods of communicating to your unit. Each connection is simple and requires no proprietary software on your computer.

The four methods of communication with the WebMaster are as follows:

1

RS232 Direct Serial (standard)

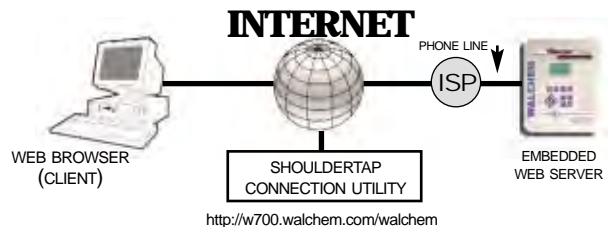
For local monitoring and reconfiguration of your unit via Laptop or dedicated on-site PC



2

ShoulderTap Internet Communications

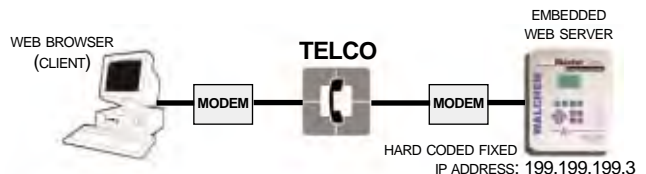
For monitoring and reconfiguration of your unit remotely via the Internet.
(Requires modem card option)



3

DirectTap Modem-to-Modem

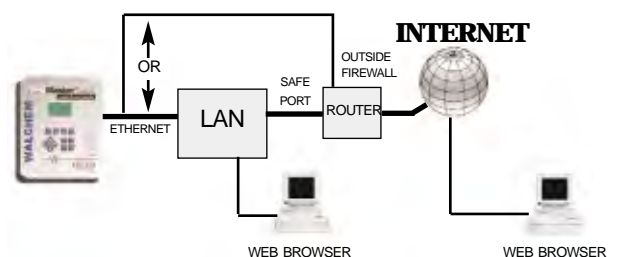
For monitoring and reconfiguration of your unit remotely using traditional modem-to-modem communications.
(Requires modem card option)



4

Ethernet

For monitoring and reconfiguration of your unit via Local Area Network or remotely via the Internet. (Requires Ethernet card option)





Getting Started

RS232 Direct Serial

The majority of local reconfiguration of your WebMaster or WebAlert will be done with the direct serial connection. Direct serial is also ideal for training and sales presentations. **Section 4.6.1 in the Instruction Manual has detailed steps for initiating direct serial communications.**

The following steps are required to get started:

- ◆ A null modem needs to be added to your PC. This modem only needs to be installed once and can be used to communicate with any Web based unit. The Walchem null modem driver disk is only required for Windows 95 or 98.
- ◆ A Windows Dial-Up Networking Adapter for Direct Serial. This adapter is installed once and can be used to communicate with any Web based unit.
- ◆ Step-by-step instructions for installing the null modem and dial-up adapter are included in this guide. Find the operating system that is installed on your computer (Windows 95, 98, 2000 or XP) and follow the instructions. The instruction manual will help guide you through the remainder of the process.

ShoulderTap

ShoulderTap is Walchem's patent pending Server On-Demand Technology.

The software allows you to communicate with the WebMaster or WebAlert over the Internet without the need to be ON-LINE all the time. Having the Web based unit ON-LINE only when needed makes the connection secure and cost effective. The modem option must be installed in order to ShoulderTap.



An Internet Service Provider (ISP) account must be established for your WebMaster or WebAlert, similar to what you may use to access the Internet from home. This account provides the Web based unit with Internet dial-up access. The following information will be needed to establish ShoulderTap communications:

- ◆ **ISP User Name** - the name that the controller will use to connect to the ISP
- ◆ **ISP Password** - the security ID that the controller will use to connect to the ISP
- ◆ **Controller Phone Number** - the number of the analog phone line attached to your WebMaster ... this is used to identify which WebMaster you want to communicate with.
- ◆ **Local Access Number For The ISP** - the local phone number that the controller will dial out to for Internet access.

Section 4.6.2 in the Instruction Manual provides more details on the ShoulderTap process.





Choosing An ISP

There is a large selection of ISPs available with a variety of service plans ranging from \$12-20 /month for unlimited access to \$6/month for 6 hours of access. However, Walchem recommends selecting an ISP that has easy access and is reliable. Some ISPs can have spotty coverage that can be very unreliable during peak hours.

Walchem strongly recommends the following ISPs for best results:



Earthlink®

Information available at www.earthlink.com or 1-800-EARTHLINK
Earthlink is available worldwide with a variety of service plans.

SURFBEST

Information available at www.surfbest.net or by dialing (207)-384-4234.

If you want to receive e-mails from your controller (alarms, datalogs and system summaries) your ISP will provide you with an SMTP server address.

The Communications section of the instruction manual provides additional instructions on receiving e-mails.

NOTE: You may be able to share an ISP account with several WebMasters by simply using the same ISP information in each WebMaster. An unlimited access program is ideal when sharing an ISP account amongst a group of controllers. Both Earthlink and SurfBest allow sharing of ISP accounts. For best results while sharing an account try to stagger usage. Access one controller at a time and set up auto reports to be sent at different times. The modem option is required for ShoulderTap.

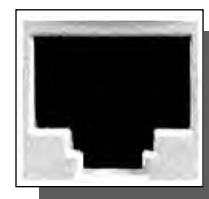
The Auto Reporting section in the Instruction Manual contains detailed information on auto-reporting.

DirectTap Modem - to - Modem

Your WebMaster or WebAlert can also be accessed via DirectTap modem-to-modem communications.

DirectTap is primarily used as a diagnostic tool or for initial set-up. DirectTap allows a user the ability to connect directly to the Web based unit via a phone line without using the Internet. When the Internet is not available or at peak Internet usage, you can access your unit directly with your modem. Unlike ShoulderTap, DirectTap is limited to one user at a time. DirectTap can be used to dial into a controller for initial set-up. The modem option is required to DirectTap.

Refer to section 4.6.4 in the Instruction Manual.



Ethernet

Your WebMaster or WebAlert can be placed directly on a Wide Area Network (WAN) or Local Area Network (LAN) just like any PC or standard piece of office equipment such as a network printer. The unit only needs to be assigned an IP address from the on-site IT administrator for access via an Ethernet connection for a WebMaster. An Ethernet option board is required for Ethernet communications.

Section 4.6.3 of the manual provides a step by step guide for Ethernet communications.



QUICK SET-UP GUIDE

Dial-Up Adapter Scripts For



WINDOWS 95

SECTION I

- 1. Direct Serial Communications (RS232)**
 - A. Install Null Modem Driver
 - B. Create Direct Serial Dial-Up Adapter
- 2. Direct Modem-to-Modem Communications**
- 3. Checking Internet Explorer Settings**

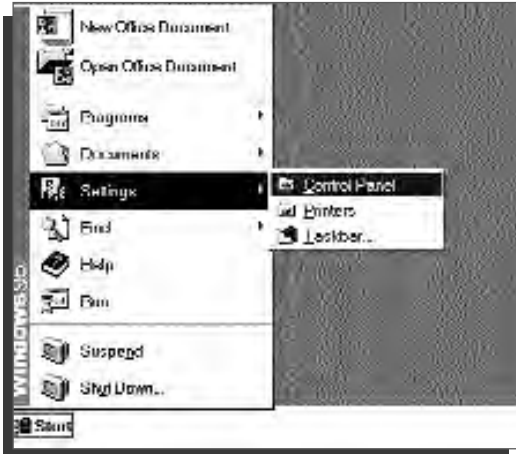




1. DIRECT SERIAL SET-UP FOR WINDOWS 95

A. Install Null Modem Driver

Fig. 1



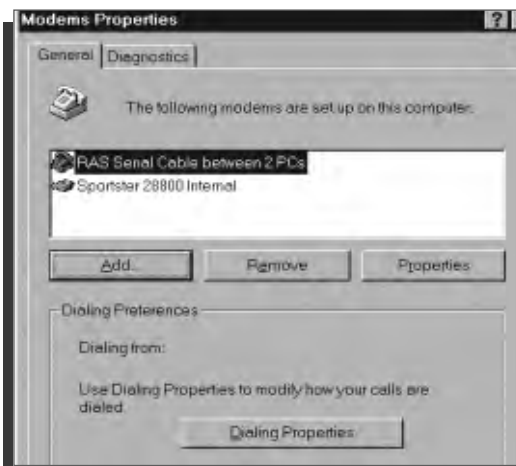
- ▶ click **Start**
- ▶ click **Settings**
- ▶ click on **Control Panel**

Fig. 2



- ▶ double click on **Modems** icon

Fig. 3

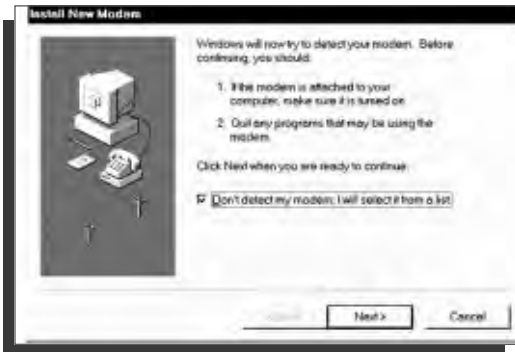


- ▶ click **Add**



DIRECT SERIAL SET-UP FOR WINDOWS 95 Install Null Modem Driver (continued)

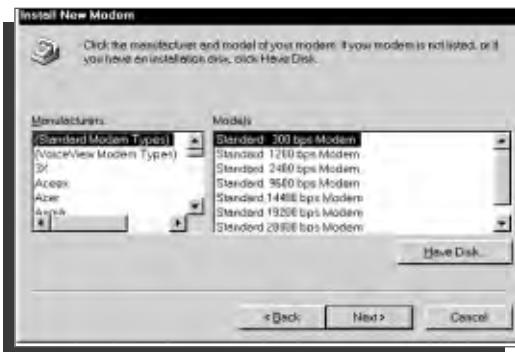
Fig. 4



▶ click box to left of **Don't detect my modem...**

▶ click **Next >** to continue

Fig. 5

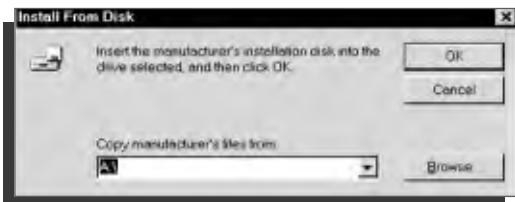


▶ click **Have Disk...** option below selections

NOTE

Insert disk with Null Modem Driver
in DRIVE A

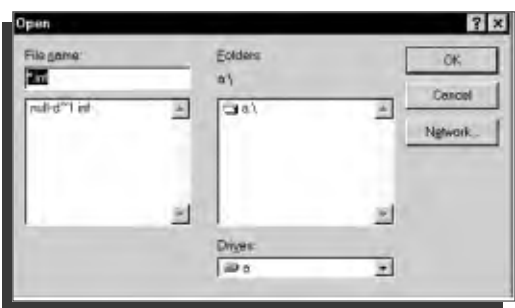
Fig. 6



▶ select **A:** from pull down menu

▶ click **Browse...** option

Fig. 7



▶ click **OK**



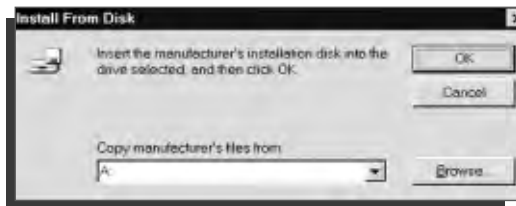
DIRECT SERIAL SET-UP FOR WINDOWS 95 Install Null Modem Driver (continued)

Fig. 8



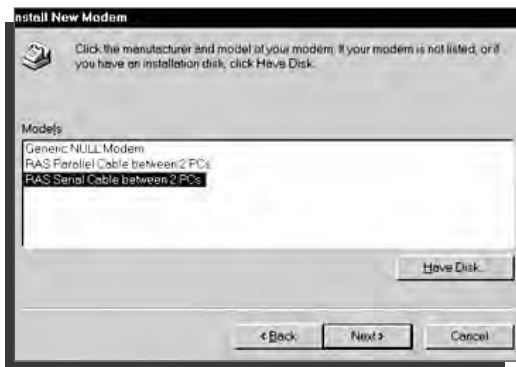
▶ click **OK**

Fig. 9



▶ click **OK**

Fig. 10



▶ select **RAS Serial Cable between 2 PCs**

▶ click **Next >** to continue

Fig. 11



▶ select **Communications Port (COM1)**

NOTE

Disable any devices using COM1

▶ click **Next >** to continue



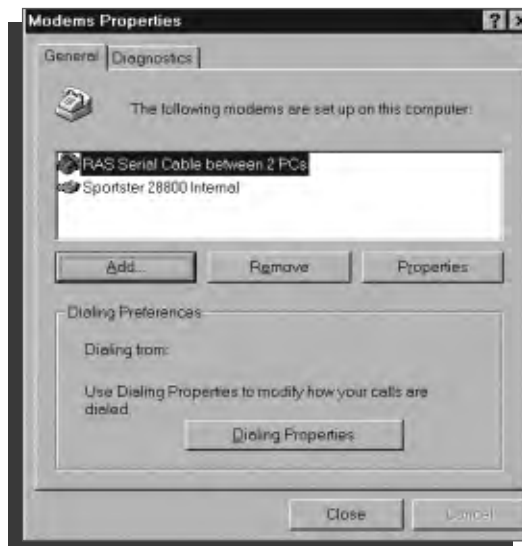
DIRECT SERIAL SET-UP FOR WINDOWS 95 Install Null Modem Driver *(continued)*

Fig. 12



► click **Finish** to complete

Fig. 13



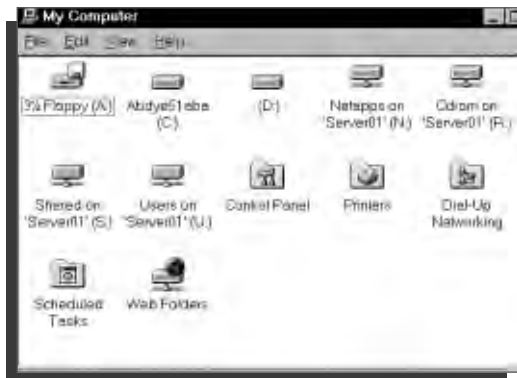
► click **Close**



DIRECT SERIAL SET-UP FOR WINDOWS 95

B. Create Dial-Up Adapter

Fig. 1



- ▶ double click on **My Computer** icon
- ▶ double click on **Dial-Up Networking** folder

Fig. 2



- ▶ double click on **Make New Connection** icon

Fig. 3



- ▶ type a name for the connection in the text box
WebMaster Direct Serial
- ▶ select **RAS Serial Cable between 2 PCs** from drop down menu ▼ under **Select a modem:**
- ▶ click **Configure...**



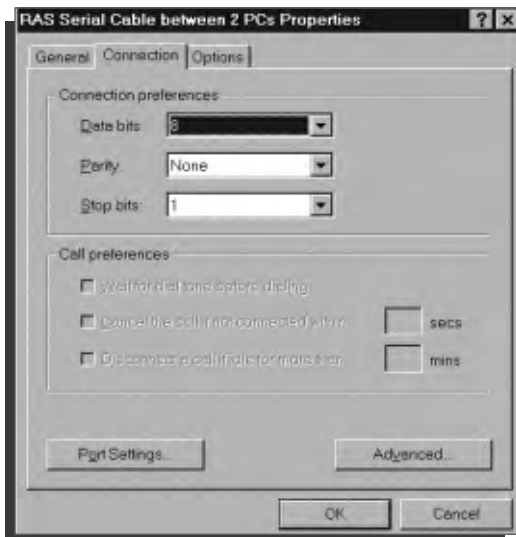
DIRECT SERIAL SET-UP FOR WINDOWS 95 Create Dial-Up Adapter (continued)

Fig. 4



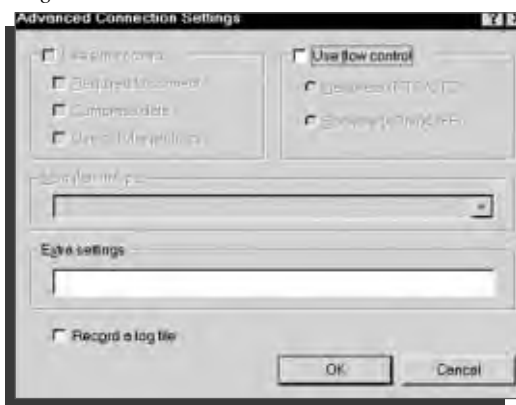
- ▶ click the **General** tab at the top of page
- ▶ select **Communications Port (COM1)** from the **Port** pull down menu
- ▶ select **19200** for **Maximum speed (bps)**
- ▶ click **Connection** tab at top of page

Fig. 5



- ▶ click **Advanced...** tab at bottom right

Fig. 6



- ▶ click box to the left of **Use flow control** to remove check mark -
- ▶ click on **OK**



DIRECT SERIAL SET-UP FOR WINDOWS 95 Create Dial-Up Adapter (continued)

Fig. 7



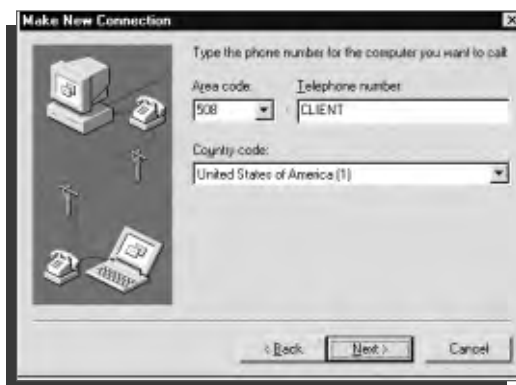
▶ click on **OK**

Fig. 8



▶ click on **Next >**

Fig. 9



▶ type the word **CLIENT** in the **Telephone number:** box

▶ click on **Next>**



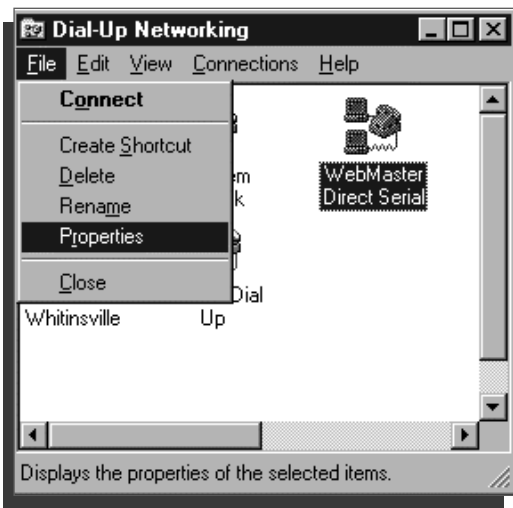
DIRECT SERIAL SET-UP FOR WINDOWS 95 Create Dial-Up Adapter (continued)

Fig. 10



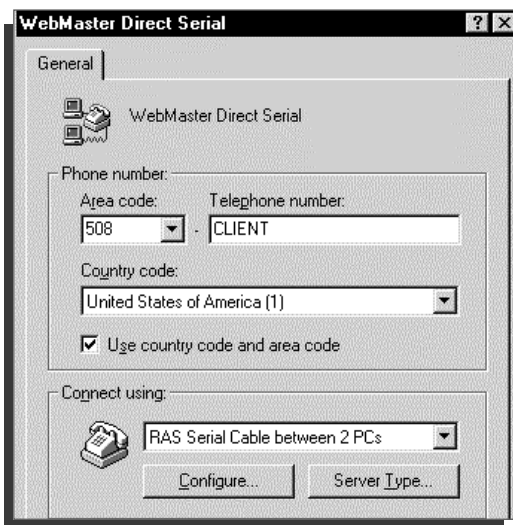
- ▶ click on **Finish**

Fig. 11



- ▶ highlight your new dial-up connection by single clicking the correct icon
- ▶ click on **File** on the top menu bar
- ▶ click on **Properties** from the drop down menu bar

Fig. 12

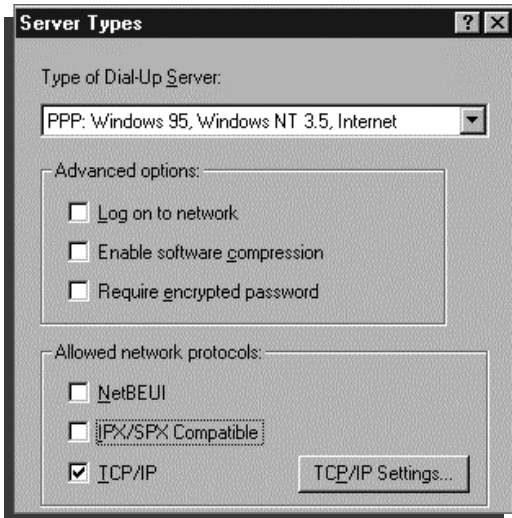


- ▶ click **Server Type** at bottom right



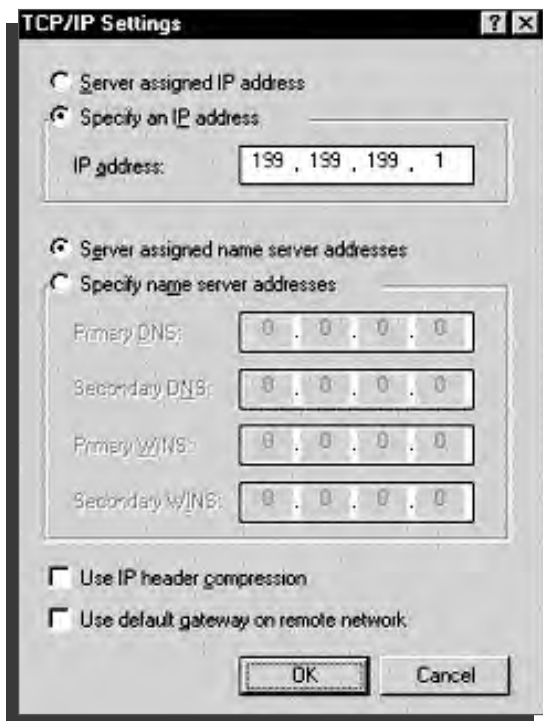
DIRECT SERIAL SET-UP FOR WINDOWS 95 Create Dial-Up Adapter (continued)

Fig. 13



- ▶ click to left of **TCP/IP** to place check mark in box
- ▶ un-check all other boxes
- ▶ click **TCP/IP Settings...**

Fig. 14



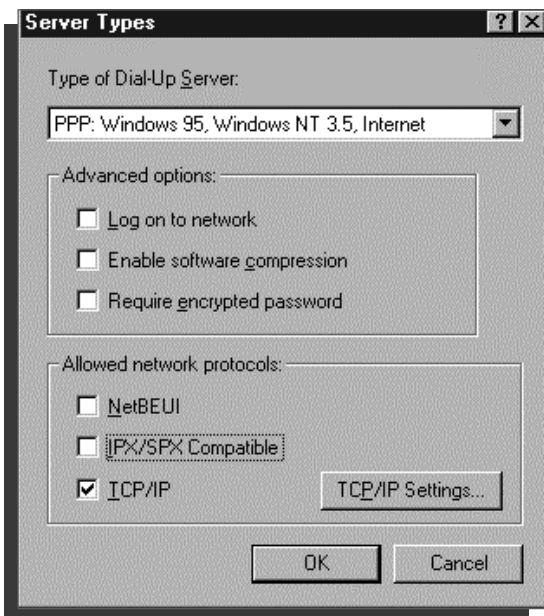
- ▶ click **Specify an IP address**
- ▶ enter the IP address **199.199.199.1** into the **IP address:** area
- ▶ un-check **Use IP header compression** box
- ▶ un-check **Use default gateway on remote network**
- ▶ click **OK**



DIRECT SERIAL SET-UP FOR WINDOWS 95

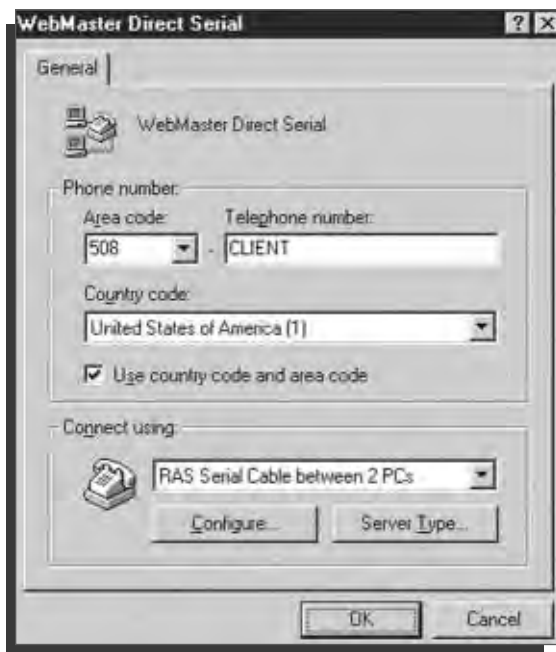
Create Dial-Up Adapter *(continued)*

Fig. 15



► click **OK**

Fig. 16



► click **OK**

► close dial up networking

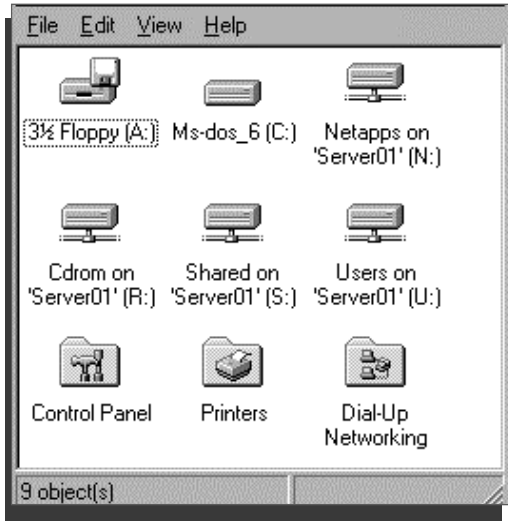




2. DIRECT MODEM SET-UP FOR WINDOWS 95

Create Dial-Up Adapter

Fig. 1



- ▶ double click the **My Computer** icon from the desktop
- ▶ double click **Dial-Up Networking** folder

Fig. 2



- ▶ double click on **Make New Connection** icon

Fig. 3

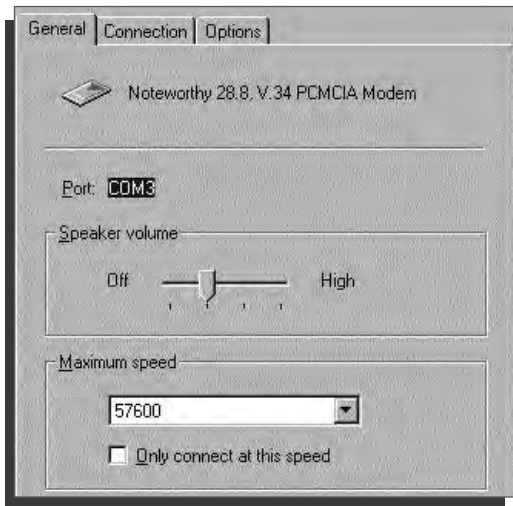


- ▶ type an appropriate name in text box:
- ▶ select modem from pull down menu -
Select a modem:
- ▶ click **Configure...**



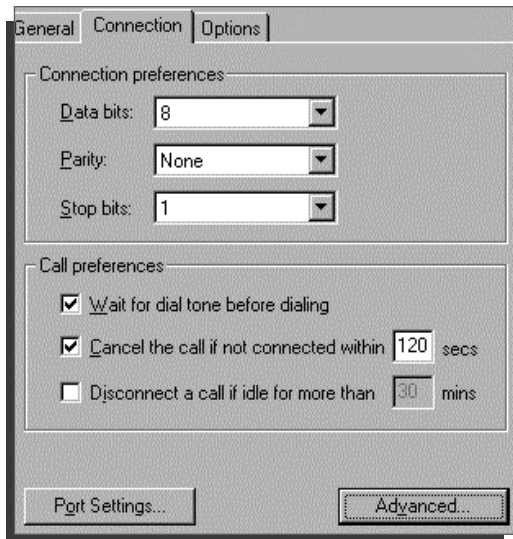
DIRECT MODEM SET-UP FOR WINDOWS 95 Create Dial Up Adapter (*continued*)

Fig. 4



► click **Connection** tab

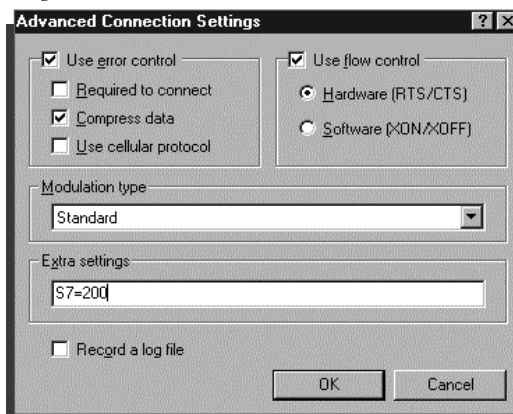
Fig. 5



► change **Cancel the call if not ...**
to 120 seconds: **120** secs

► click **Advanced...**

Fig. 6



► type **S7=200** in **Extra settings** box

► click **OK**



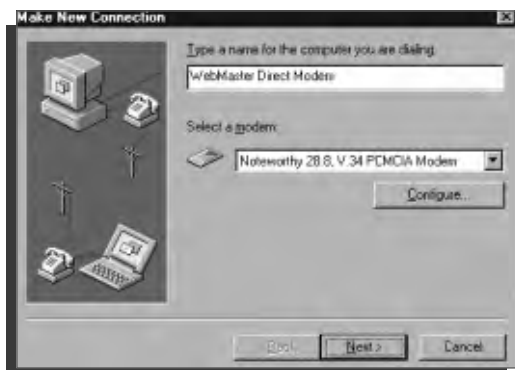
DIRECT MODEM SET-UP FOR WINDOWS 95 Create Dial Up Adapter (continued)

Fig. 7



► click **OK**

Fig. 8



► click **Next >**

Fig. 9



► type **Area code** and **Telephone number**
of WebMaster phone line in text boxes

► click **Next >**



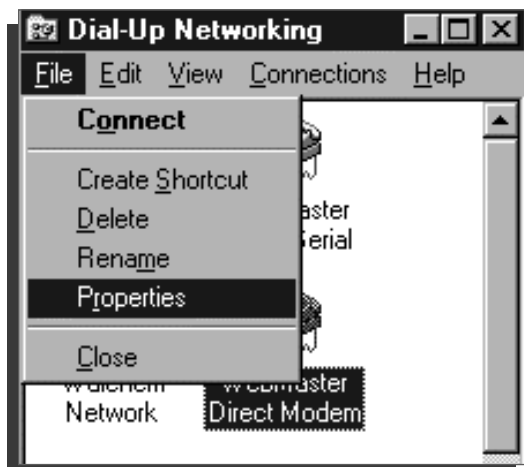
DIRECT MODEM SET-UP FOR WINDOWS 95 Create Dial Up Adapter (continued)

Fig. 10



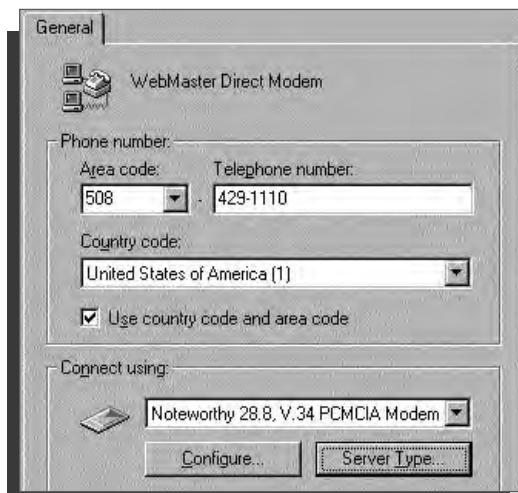
- ▶ click **Finish**

Fig. 11



- ▶ highlight your new dial-up connection icon with a single click
- ▶ click **File** from the menu bar at top
- ▶ click **Properties** from the drop down menu

Fig. 12

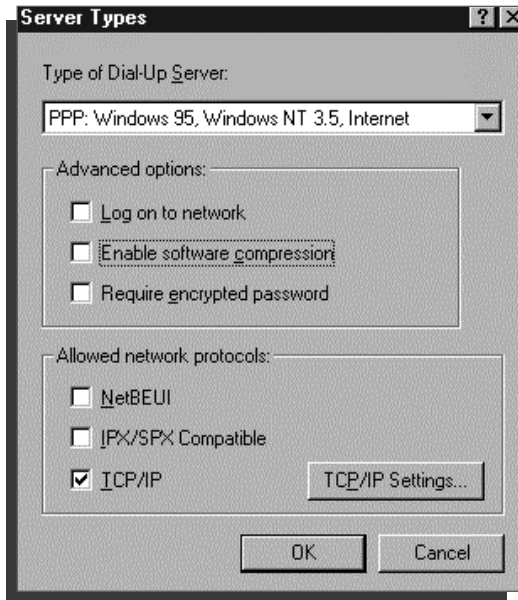


- ▶ click **Server Type...**



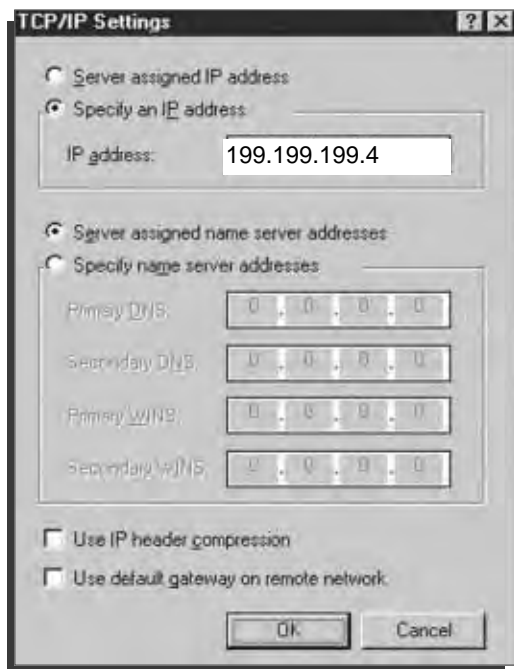
DIRECT MODEM SET-UP FOR WINDOWS 95 Create Dial Up Adapter (continued)

Fig. 13



- ▶ check **TCP/IP** box
- ▶ un-check all other boxes
- ▶ click **TCP/IP Settings...**

Fig. 14

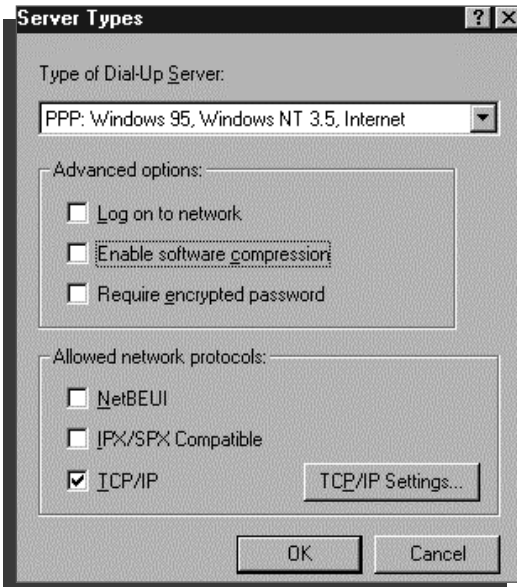


- ▶ click **Specify an IP address** button
- ▶ enter IP address **199 . 199 . 199 . 4** into **IP address:** area
- ▶ un-check **Use IP header compression**
- ▶ un-check **Use default gateway on remote network**
- ▶ click **OK**



DIRECT MODEM SET-UP FOR WINDOWS 95 Create Dial Up Adapter (continued)

Fig. 15



▶ click **OK**

Fig. 16



▶ click **OK**

▶ close **Dial-up Networking**





3. CHECK INTERNET EXPLORER SETTINGS

Fig. 1



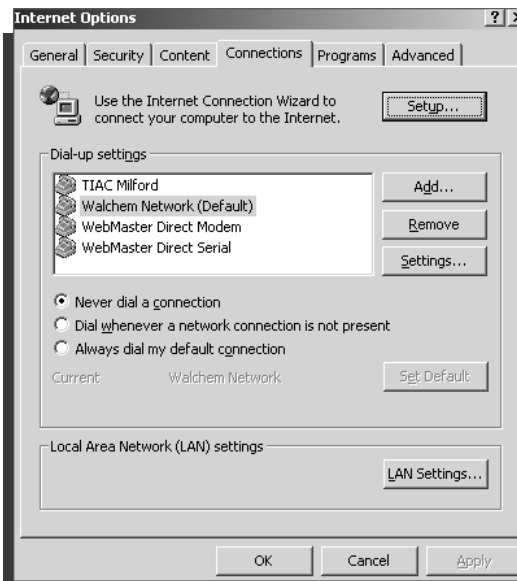
- ▶ start Internet Explorer
- ▶ click **Tools** from top menu bar
- ▶ select **Internet Options...** from drop down menu

Fig. 2



- ▶ click **Connections** tab

Fig. 3



- ▶ click **Never dial a connection** button
- ▶ click **OK**



QUICK SET-UP GUIDE



Dial-Up Adapter Scripts For **WINDOWS 98 or ME**

SECTION II

- 1. Direct Serial Communications (RS232)**
 - A. Install Null Modem Driver
 - B. Create Direct Serial Dial-Up Adapter
- 2. Direct Modem-to-Modem Communications**
- 3. Checking Internet Explorer Settings**

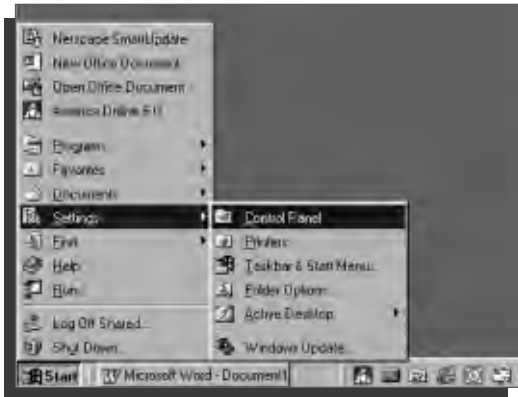




1. DIRECT SERIAL SET-UP FOR WINDOWS 98 or ME

A. Install Null Modem Driver

Fig. 1



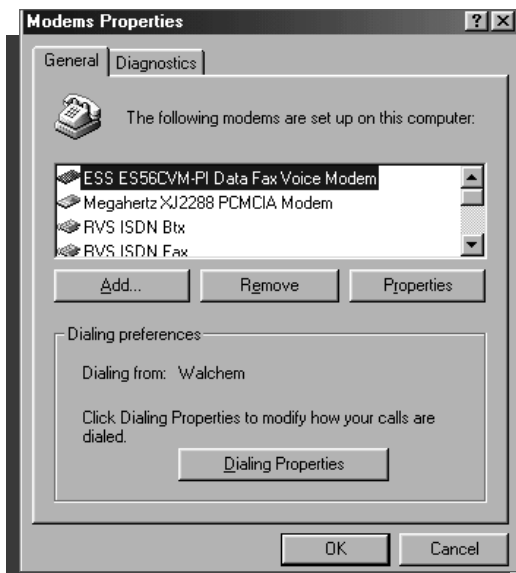
- ▶ click **Start**
- ▶ click **Settings**
- ▶ click on **Control Panel**

Fig. 2



- ▶ double click on **Modems** icon

Fig. 3

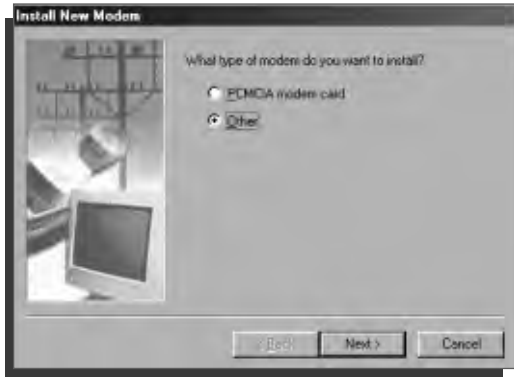


- ▶ click **Add**



DIRECT SERIAL SET-UP FOR WINDOWS 98 or ME Install Null Modem Driver (continued)

Fig. 4



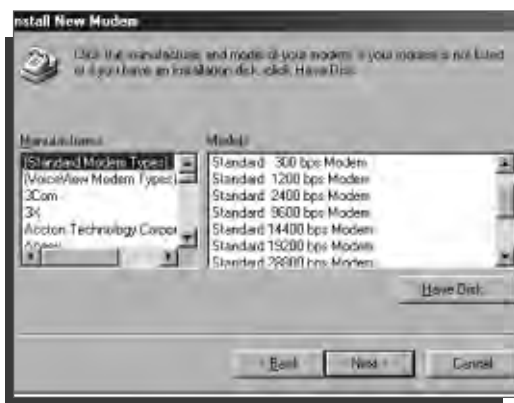
- ▶ click **Other**
- ▶ click **Next >** to continue

Fig. 5



- ▶ check the box beside **Don't detect my modem; ...**
- ▶ click **Next >** to continue

Fig. 6



- ▶ click **Have Disk**



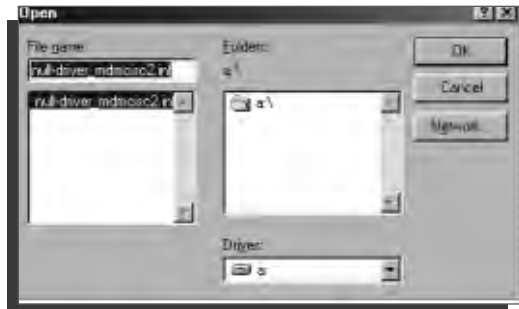
DIRECT SERIAL SET-UP FOR WINDOWS 98 or ME Install Null Modem Driver (continued)

Fig. 7



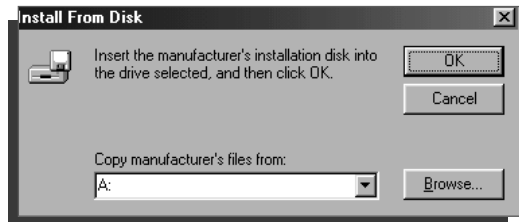
- ▶ insert disk in A drive
- ▶ select **A:** from the pull down menu
- ▶ click **Browse...**

Fig. 8



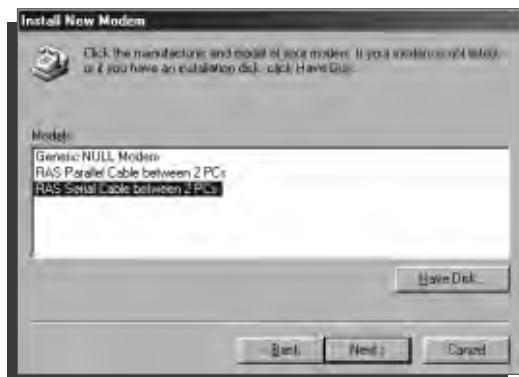
- ▶ click **OK**

Fig. 9



- ▶ click **OK**

Fig. 10



- ▶ select **RAS Serial Cable between 2 PCs**
- ▶ click **Next >** to continue



DIRECT SERIAL SET-UP FOR WINDOWS 98 or ME Install Null Modem Driver (continued)

Fig. 11



- ▶ select **Communications Port (COM1)**

NOTE

Disable any devices using COM1

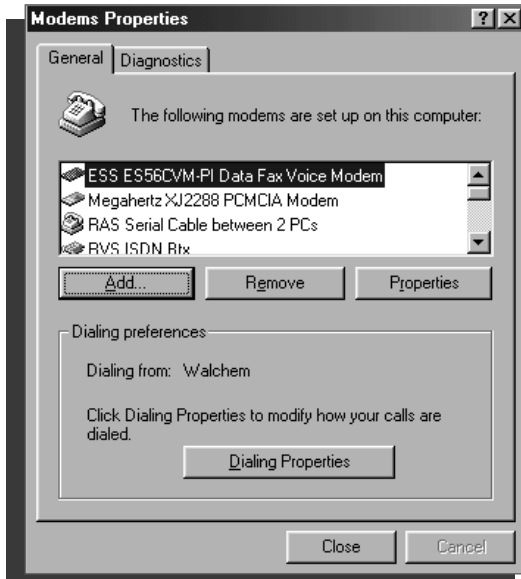
- ▶ click **Next >** to continue

Fig. 12



- ▶ click **Finish** to complete

Fig. 13



- ▶ click **Close**

- ▶ close **Control Panel**



1. DIRECT SERIAL SET-UP FOR WINDOWS 98 or ME

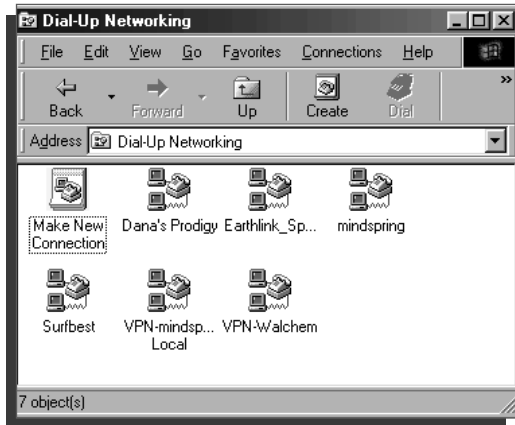
B. Create Direct Serial Dial-up Adapter

Fig. 1



- ▶ double click on **My Computer** icon on desktop
- ▶ double click on **Dial-Up Networking** folder

Fig. 2



- ▶ double click on **Make New Connection** icon

Fig. 3



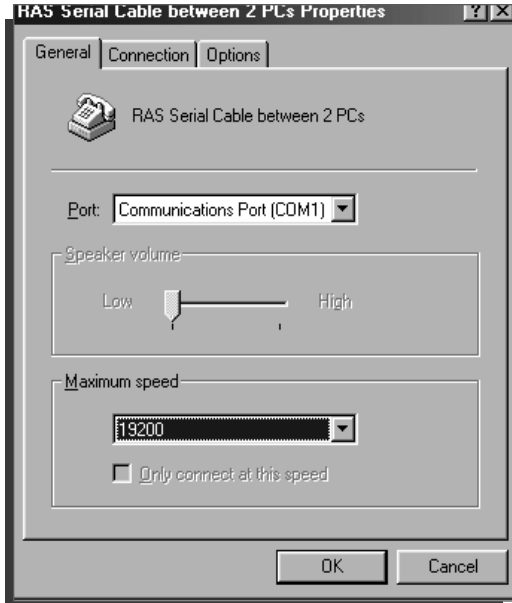
- ▶ type a name for the connection in the text box
WebMaster Direct Serial
- ▶ select **RAS Serial Cable between 2 PCs** from the drop down menu ▼ under **Select a device:**
- ▶ click **Configure...**



DIRECT SERIAL SET-UP FOR WINDOWS 98 or ME

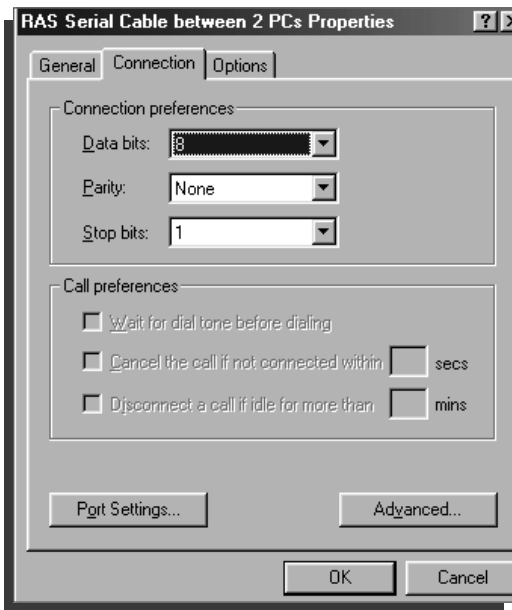
Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 4



- ▶ click the **General** tab at the top of page
- ▶ select **Communications Port (COM1)** from the **Port** pull down menu
- ▶ select **19200** for the **Maximum speed (bps)**
- ▶ click **Connection** tab at top of page

Fig. 5



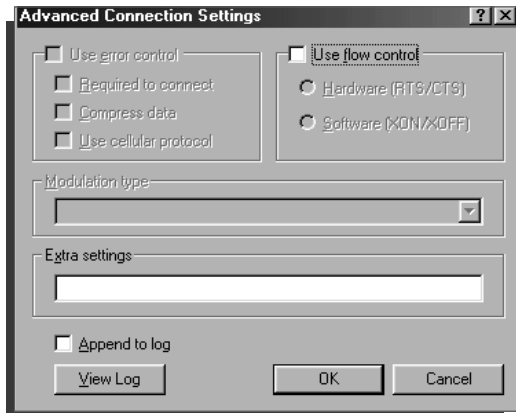
- ▶ click **Advanced...** tab at bottom right



DIRECT SERIAL SET-UP FOR WINDOWS 98 or ME

Create Direct Serial Dial-Up Adapter *(continued)*

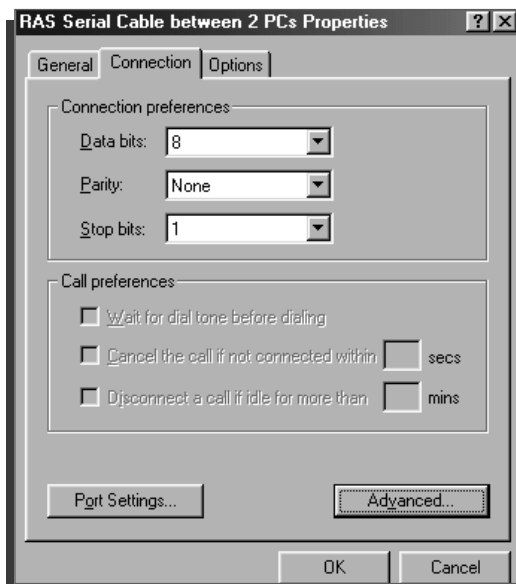
Fig. 6



▶ click box to the left of **Use flow control** to remove check mark

▶ click on **OK**

Fig. 7



▶ click on **OK**

Fig. 8



▶ click on **Next >**



DIRECT SERIAL SET-UP FOR WINDOWS 98 or ME

Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 9



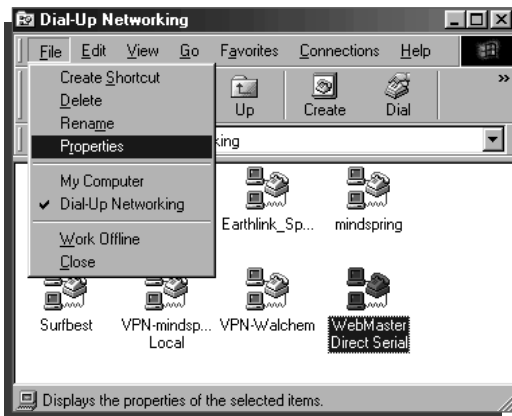
- ▶ type the word **CLIENT** in the **Telephone number:** box
- ▶ click on **Next>**

Fig. 10



- ▶ click on **Finish**

Fig. 11



- ▶ highlight your new dial-up connection by single clicking the correct icon
- ▶ click on **File** on the top menu
- ▶ click on **Properties** from the drop down menu



DIRECT SERIAL SET-UP FOR WINDOWS 98 or ME

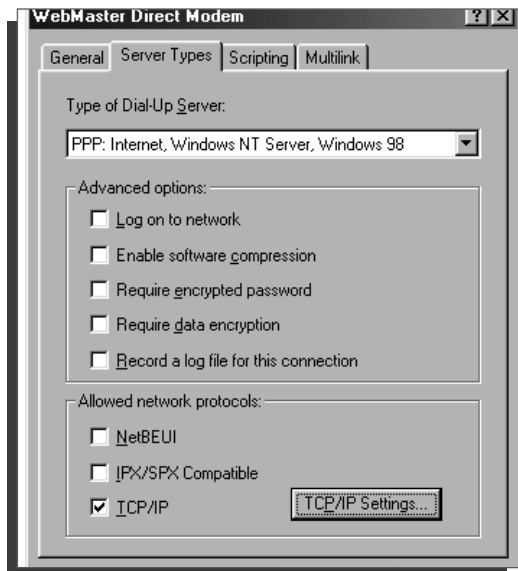
Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 12



► click **Server Types** tab

Fig. 13



► click to left of **TCP/IP** to place check mark in box

► un-check all other boxes

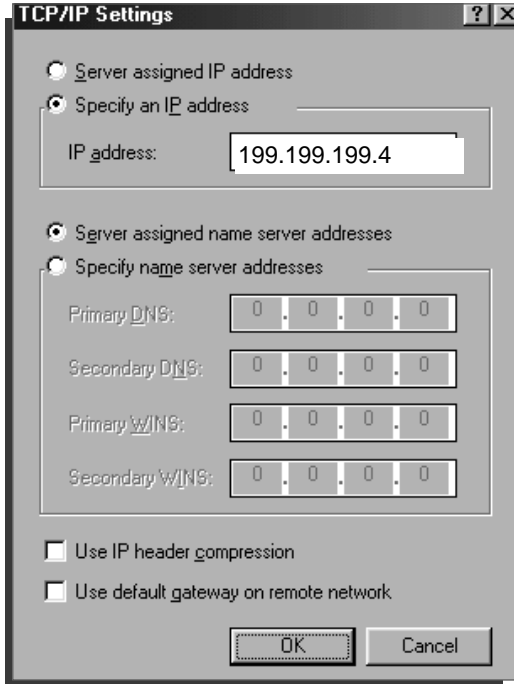
► click **TCP/IP Settings...**



DIRECT SERIAL SET-UP FOR WINDOWS 98 or ME

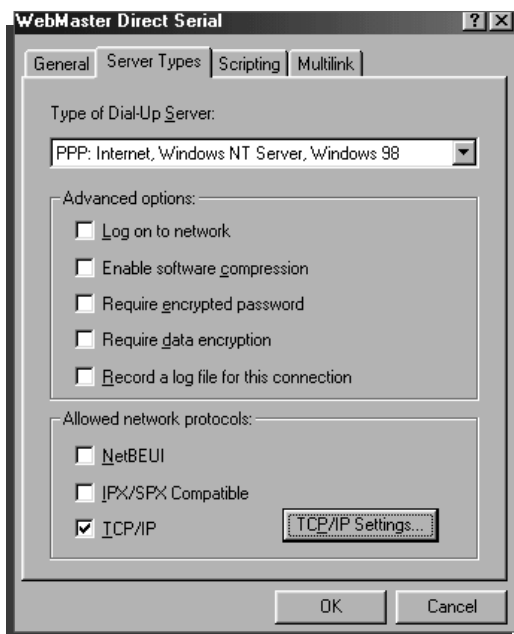
Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 14



- ▶ click **Specify an IP address**
- ▶ enter the IP address **199.199.199.4** into the IP address: box
- ▶ un-check **Use IP header compression** box
- ▶ un-check **Use default gateway on remote network**
- ▶ click **OK**

Fig. 15



- ▶ click **OK**





2. DIRECT MODEM SET-UP FOR WINDOWS 98 or ME

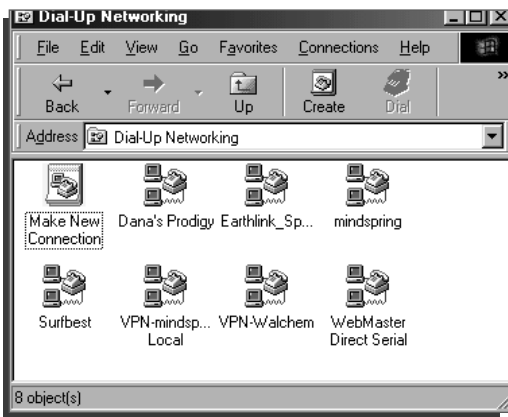
Create Direct Modem Dial-Up Adapter

Fig. 1



- ▶ double click the **My Computer** icon from the desktop
- ▶ double click **Dial-Up Networking** folder

Fig. 2



- ▶ double click on **Make New Connection**

Fig. 3



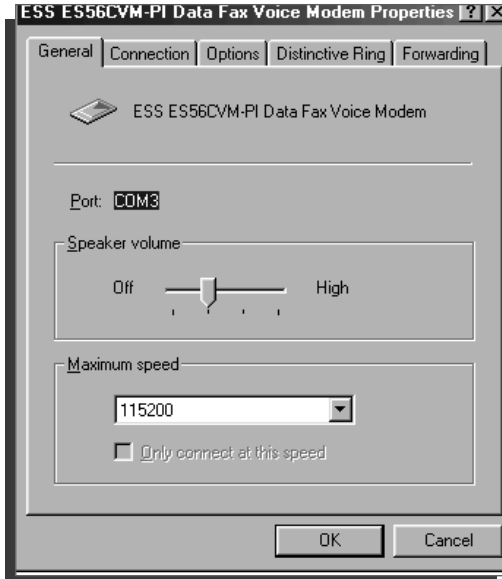
- ▶ type an appropriate name in text box:
- ▶ select proper modem from pull down menu -
Select a modem:
- ▶ click **Configure...**



DIRECT MODEM SET-UP FOR WINDOWS 98 or ME

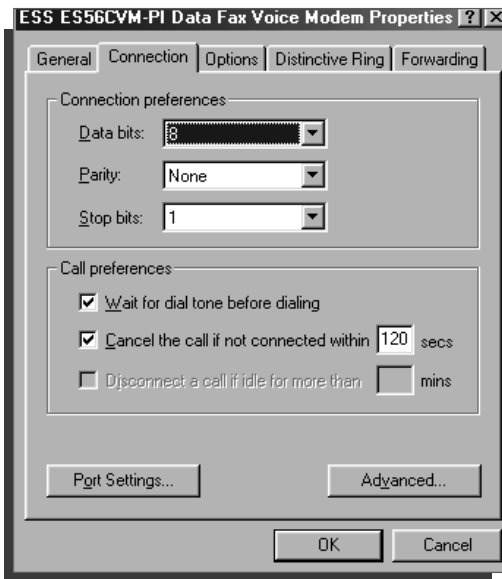
Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 4



▶ click **Connection** tab

Fig. 5



▶ change **Cancel the call if ...** to **120** secs

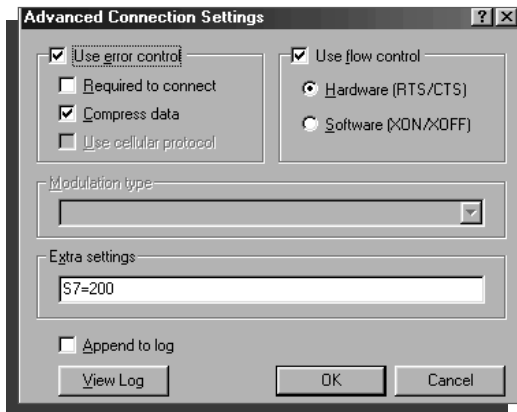
▶ click **Advanced...**



DIRECT MODEM SET-UP FOR WINDOWS 98 or ME

Create Direct Modem Dial-Up Adapter (continued)

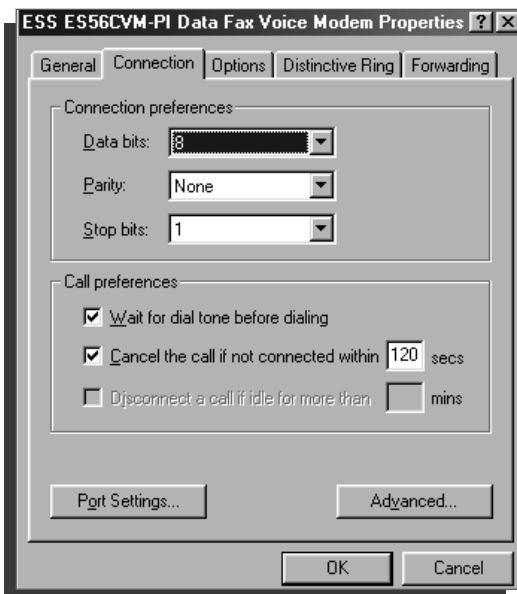
Fig. 6



▶ type **S7=200** in **Extra settings** box

▶ click **OK**

Fig. 7



▶ click **OK**

Fig. 8



▶ click **Next >**



DIRECT MODEM SET-UP FOR WINDOWS 98 or ME

Create Direct Modem Dial-Up Adapter (continued)

Fig. 9



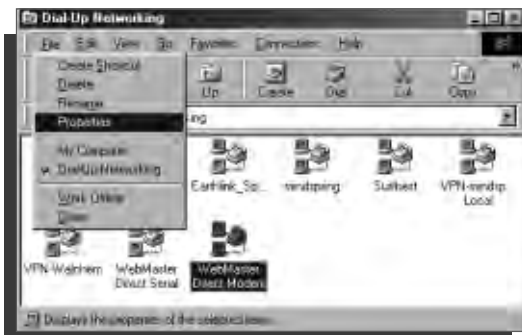
- ▶ type **Area code** and **Telephone number** of WebMaster phone line in text boxes
- ▶ click **Next >**

Fig. 10



- ▶ click **Finish**

Fig. 11



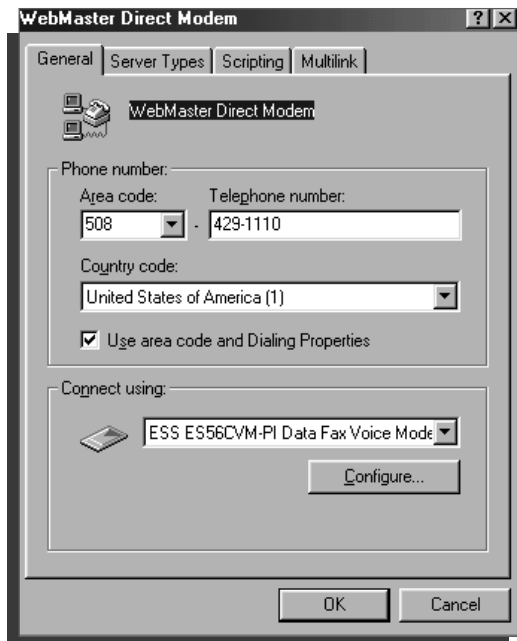
- ▶ highlight your new dial-up connection icon with a single click
- ▶ click **File** from the menu bar at top
- ▶ click **Properties** from the drop down menu



DIRECT MODEM SET-UP FOR WINDOWS 98 or ME

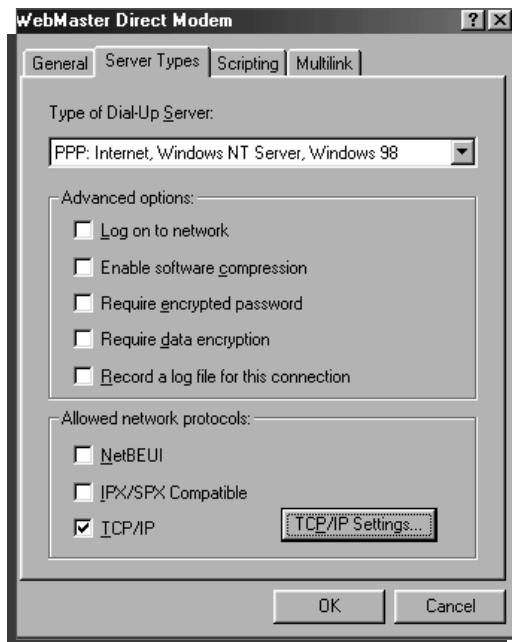
Create Direct Modem Dial-Up Adapter (continued)

Fig. 12



▶ click **Server Types...**

Fig. 13



▶ check **TCP/IP**

▶ un-check all other boxes

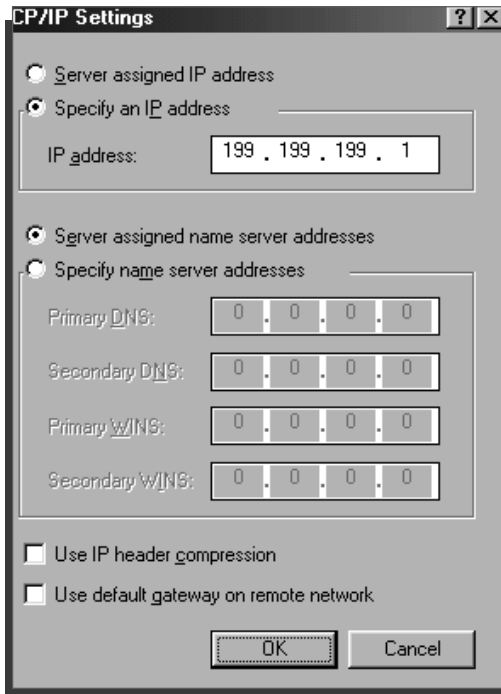
▶ click **TCP/IP Settings...**



DIRECT MODEM SET-UP FOR WINDOWS 98 or ME

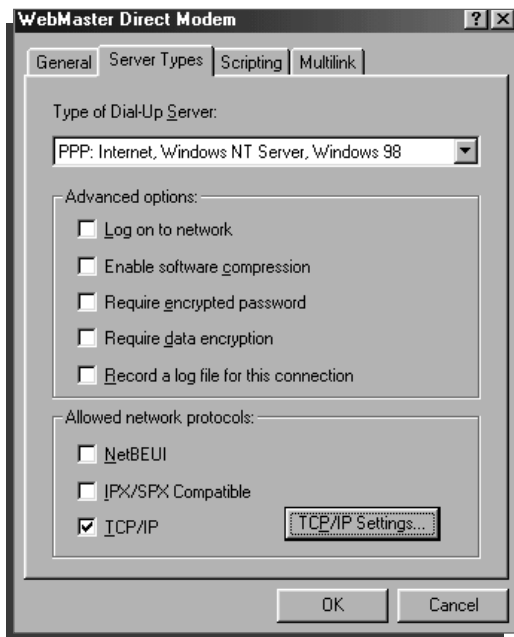
Create Direct Modem Dial-Up Adapter (continued)

Fig. 14



- ▶ click **Specify an IP address** button
- ▶ enter IP address **199 . 199 . 199 . 1** into **IP address:** box
- ▶ un-check **Use IP header compression**
- ▶ un-check **Use default gateway on remote network**
- ▶ click **OK**

Fig. 15



- ▶ click **OK**
- ▶ close **Dial-up Networking**





3. CHECK INTERNET EXPLORER SETTINGS

Fig. 1



- ▶ click **Tools** from top menu bar
- ▶ select **Internet Options...** from drop down menu

Fig. 2



- ▶ click **Connections** tab

Fig. 3



- ▶ click **Never dial a connection** button
- ▶ click **OK**



QUICK SET-UP GUIDE

Dial-Up Adapter Scripts For



WINDOWS 2000

SECTION III

- 1. Direct Serial Communications (RS232)**
 - A. Install Null Modem Driver
 - B. Create Direct Serial Dial-Up Adapter
- 2. Direct Modem-to-Modem Communications**
- 3. Checking Internet Explorer Settings**

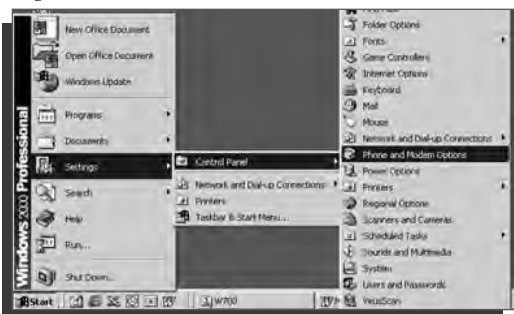




1. DIRECT SERIAL SET-UP FOR WINDOWS 2000

A. Install Null Modem Driver

Fig. 1



- ▶ click **Settings** from **Start** menu
- ▶ click on **Control Panel**
- ▶ click on **Phone and Modem Options**

Fig. 2



- ▶ click on **Modems** tab

Fig. 3



- ▶ click **Add**



DIRECT SERIAL SET-UP FOR WINDOWS 2000 Install Null Modem Driver (continued)

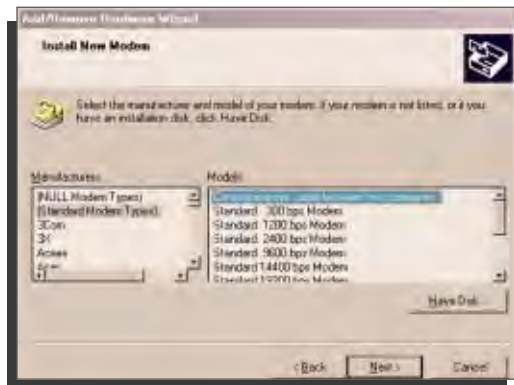
Fig. 4



▶ click box to left of **Don't detect my modem...**

▶ click **Next >**

Fig. 5

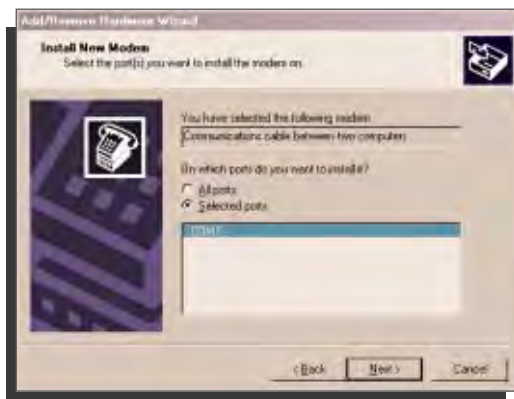


▶ under **Manufacturers**, highlight **Standard Modem Types**

▶ under **Models**, highlight **Communications cable between two computers**

▶ click **Next >**

Fig. 6



▶ click **Selected ports**

▶ highlight the appropriate **COM port** for your serial connection. (This will normally be **COM1** but **not always!**)

If your computer does not have a DB9 connector to the serial port, and only has USB ports, then you will need to purchase a USB-to-serial port adapter. Install the software for the adapter according to the manufacturer's instructions, and then install the null modem on the port that the adapter is on. If any other devices use the serial port (such as the IR port of a PDA) then these must be disabled before trying to use this dial-up networking adapter.

▶ click **Next**



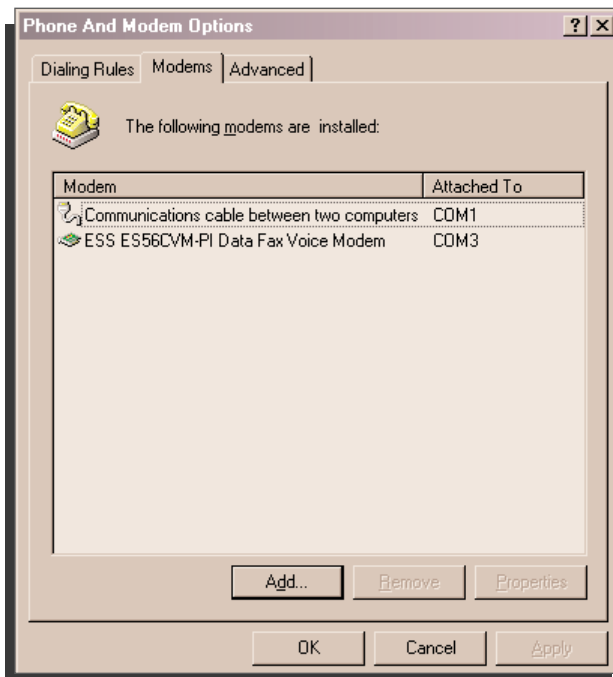
DIRECT SERIAL SET-UP FOR WINDOWS 2000 Install Null Modem Driver *(continued)*

Fig. 7



▶ click **Finish**

Fig. 8



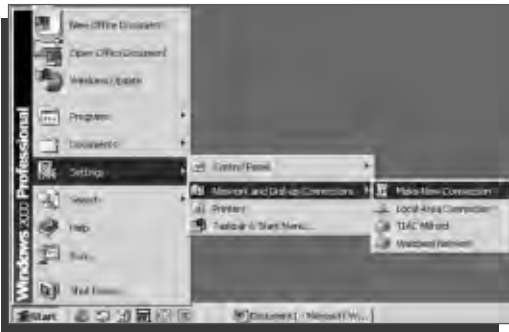
▶ click **OK**



DIRECT SERIAL SET-UP FOR WINDOWS 2000

B. Create Direct Serial Dial-Up Adapter

Fig. 1



- ▶ click **Start** and then select **Settings**
- ▶ click **Network and Dial-Up Connections**
- ▶ click **Make New Connection**

Fig. 2



- ▶ click **Next >**

Fig. 3

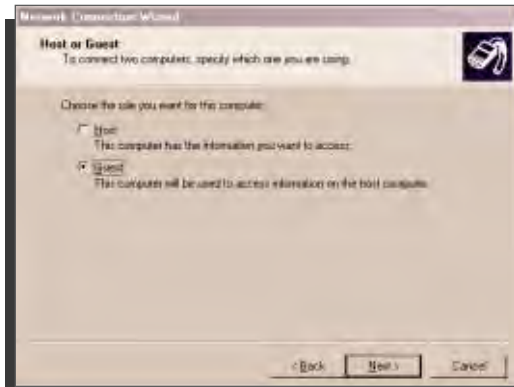


- ▶ check box for **Connect directly to another computer**
- ▶ click **Next >**



DIRECT SERIAL SET-UP FOR WINDOWS 2000
Create Direct Serial Dial-Up Adapter (*continued*)

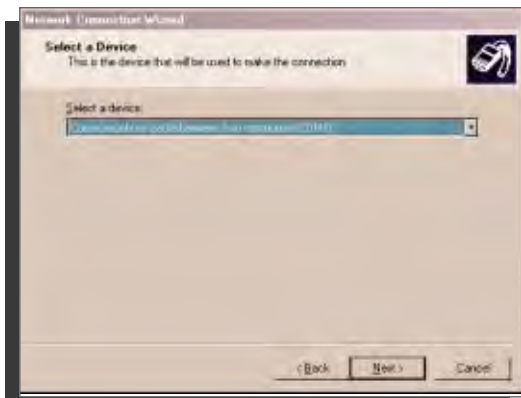
Fig. 4



▶ click the box for **Guest**

▶ click **Next >**

Fig. 5



▶ select **Communications cable between two computers**

▶ click **Next >**

Fig. 6



▶ check the box for **Only for myself**

▶ click **Next**



DIRECT SERIAL SET-UP FOR WINDOWS 2000

Create Direct Serial Dial-Up Adapter *(continued)*

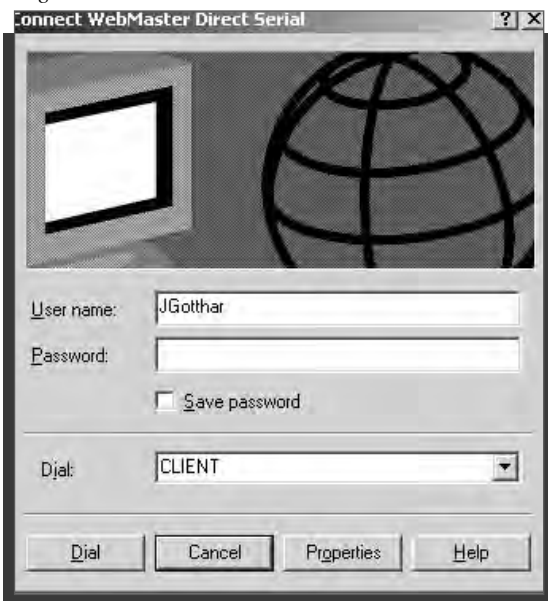
Fig. 7



▶ type an appropriate name in the text box

▶ click **Finish**

Fig. 8



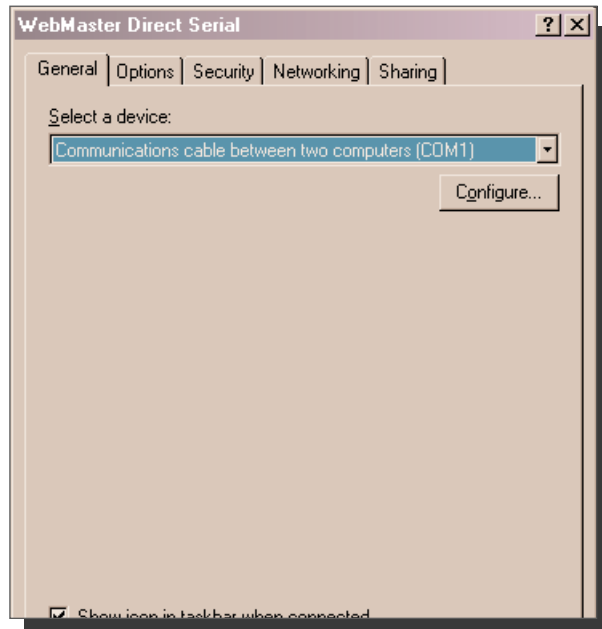
▶ click **Properties**



DIRECT SERIAL SET-UP FOR WINDOWS 2000

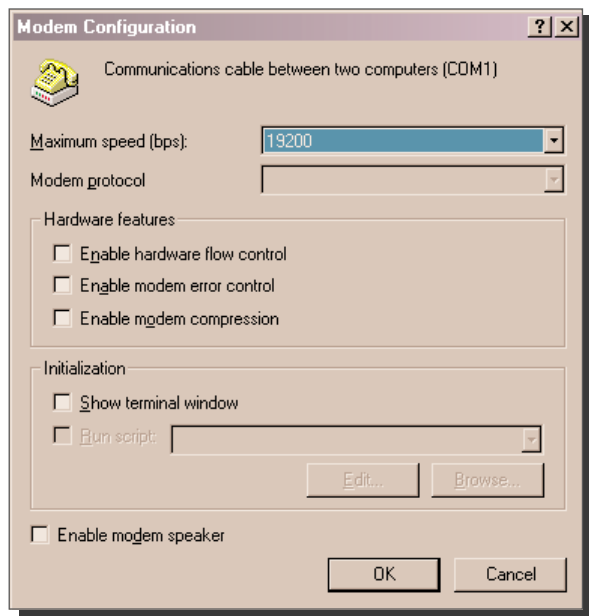
Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 9



► click **Configure...**

Fig. 10



► select **19200** for the **Maximum speed (bps)**

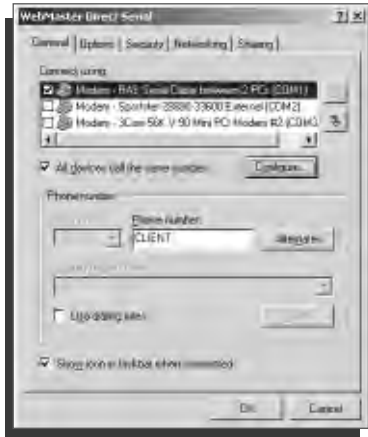
► uncheck **Enable hardware flow control**

► click **OK**



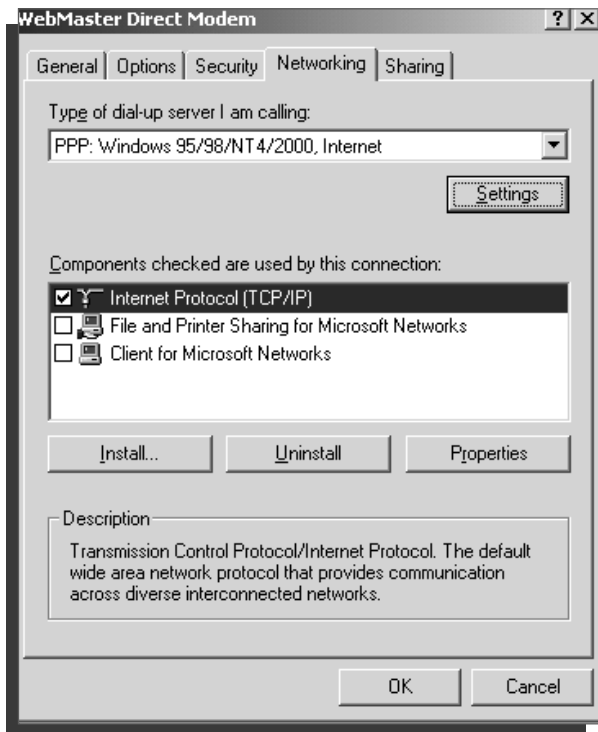
DIRECT SERIAL SET-UP FOR WINDOWS 2000
Create Direct Serial Dial-Up Adapter (*continued*)

Fig. 11



▶ click **Networking** tab

Fig. 12



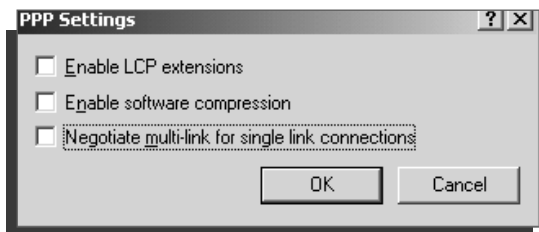
▶ check **Internet Protocol (TCP/IP)**

▶ uncheck all others (TCP/IP)

▶ highlight **Internet Protocol (TCP/IP)**

▶ click **Settings**

Fig. 13



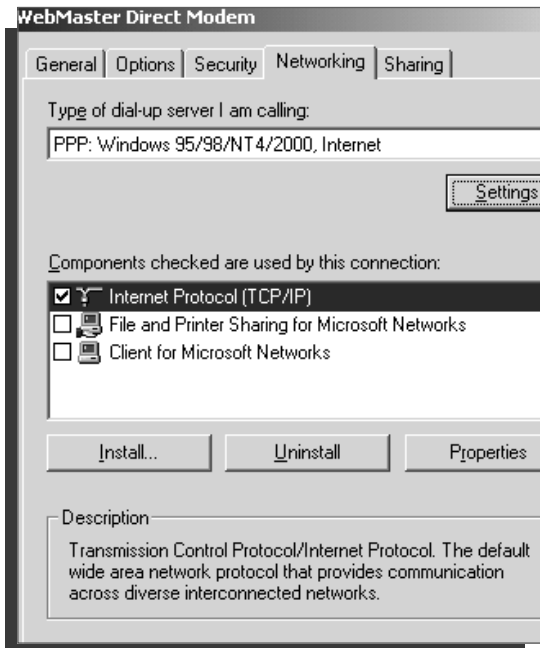
▶ uncheck all 3 options

▶ click **OK**



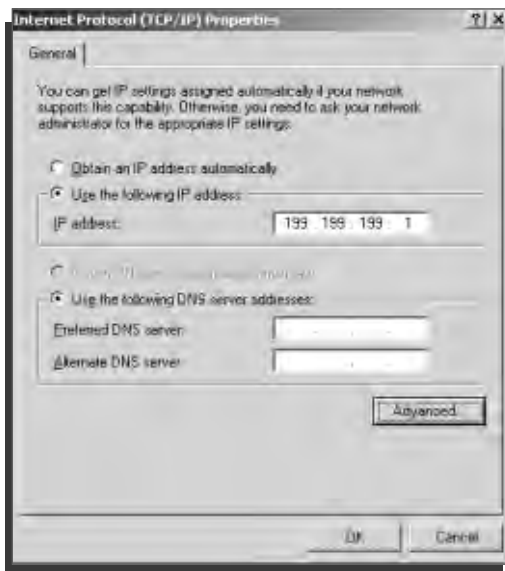
DIRECT SERIAL SET-UP FOR WINDOWS 2000
Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 14



- ▶ highlight **Internet Protocol (TCP/IP)**
- ▶ click **Properties**

Fig. 15



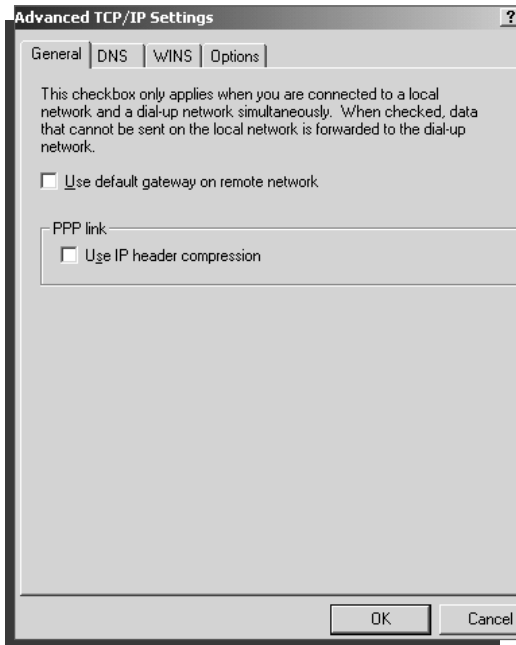
- ▶ click **Use the following IP address**
- ▶ enter IP address **199.199.199.1**
into **IP address:** box
- ▶ click **Advanced**



DIRECT SERIAL SET-UP FOR WINDOWS 2000

Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 16



▶ uncheck

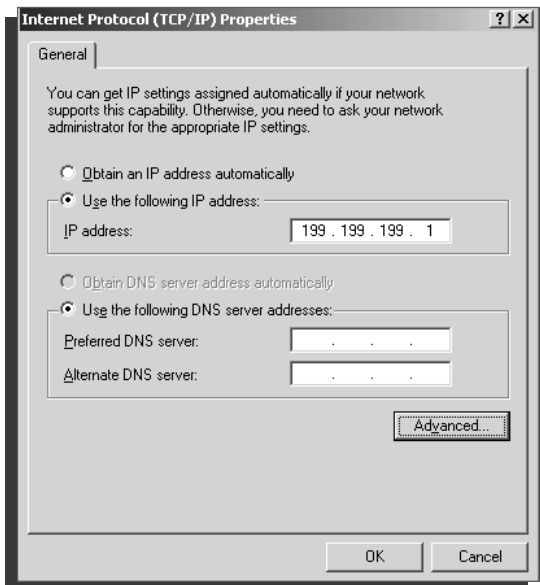
Use default gateway on remote network

▶ uncheck

Use IP header compression

▶ click **OK**

Fig. 17

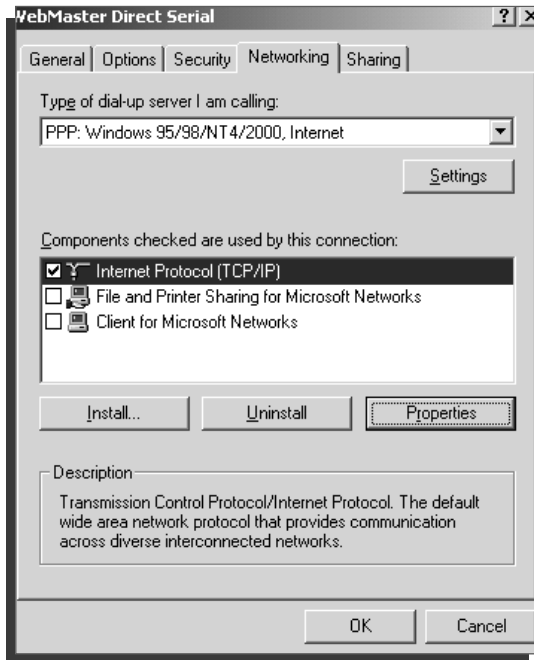


▶ click **OK**



DIRECT SERIAL SET-UP FOR WINDOWS 2000
Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 18



► click **OK**

Fig. 19

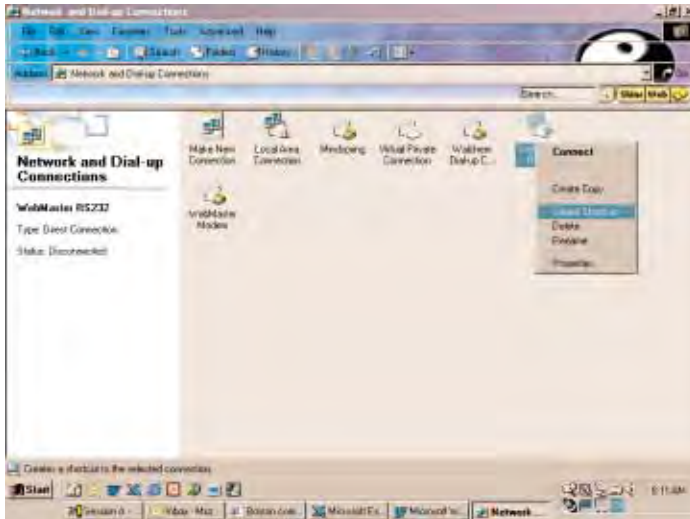


► click **Cancel**



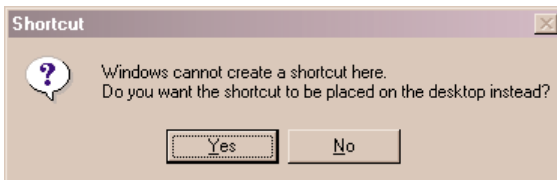
DIRECT SERIAL SET-UP FOR WINDOWS 2000
Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 20



► right click the new connection
and click **Create shortcut**

Fig. 21



► click **Yes**

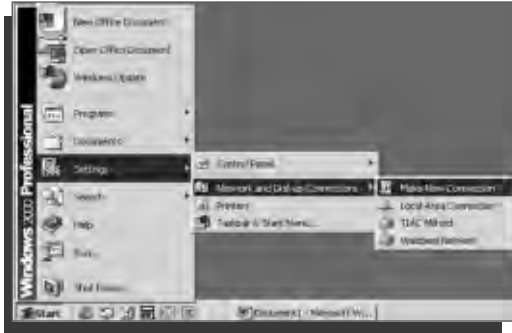




2. DIRECT MODEM SET-UP FOR WINDOWS 2000

Create Direct Modem Dial-Up Adapter

Fig. 1



- ▶ click **Start** and then select **Settings**
- ▶ click **Network and Dial-Up Connections**
- ▶ click **Make New Connection**

Fig. 2



- ▶ click **Next >**

Fig. 3



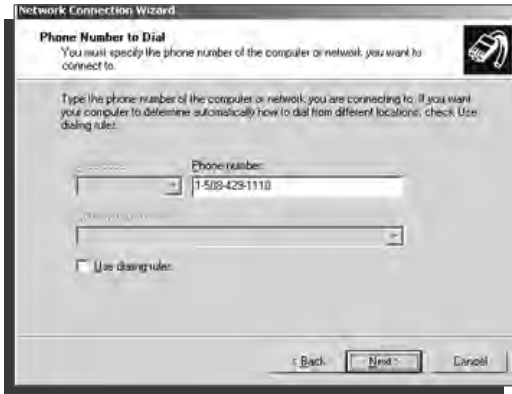
- ▶ click **Dial-up to private network**
- ▶ click **Next >**



DIRECT MODEM SET-UP FOR WINDOWS 2000

Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 4



- ▶ enter controller phone number in

Phone number: box 1-508-429-1110

- ▶ click **Next >**

Fig. 5



- ▶ click **Only for myself**

- ▶ click **Next >**

Fig. 6



- ▶ type an appropriate name for your connection in the text box

WebMaster Direct Modem

- ▶ click **Finish**



DIRECT MODEM SET-UP FOR WINDOWS 2000

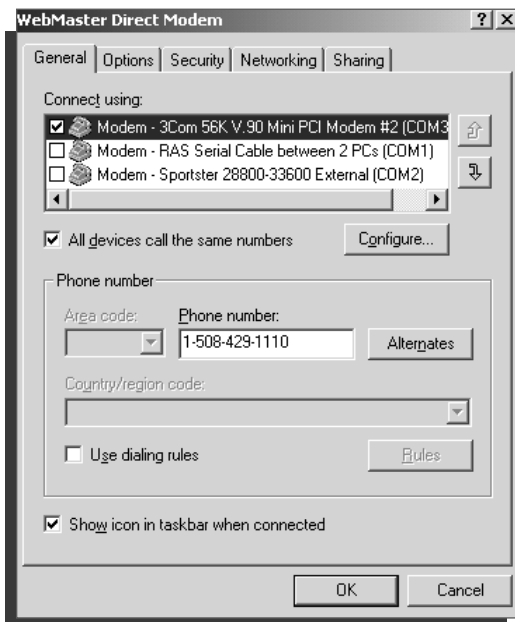
Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 7



► click **Properties**

Fig. 8



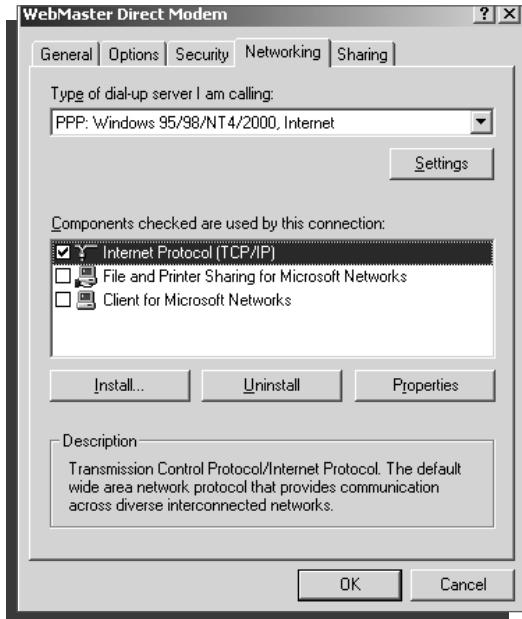
► click **Networking tab**



DIRECT MODEM SET-UP FOR WINDOWS 2000

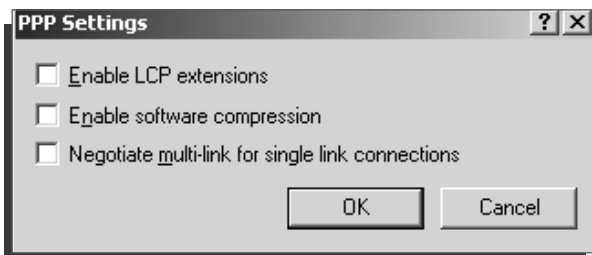
Create Direct Modem Dial-Up Adapter (*continued*)

Fig. 9



- ▶ click **Internet Protocol (TCP/IP)**
- ▶ uncheck all others
- ▶ click **Settings**

Fig. 10



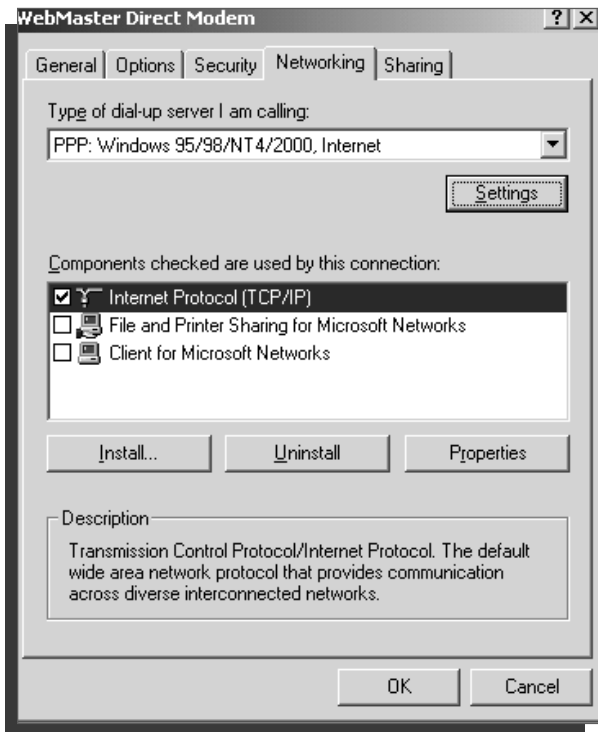
- ▶ un-check all 3 options
- ▶ click **OK**



DIRECT MODEM SET-UP FOR WINDOWS 2000

Create Direct Modem Dial-Up Adapter *(continued)*

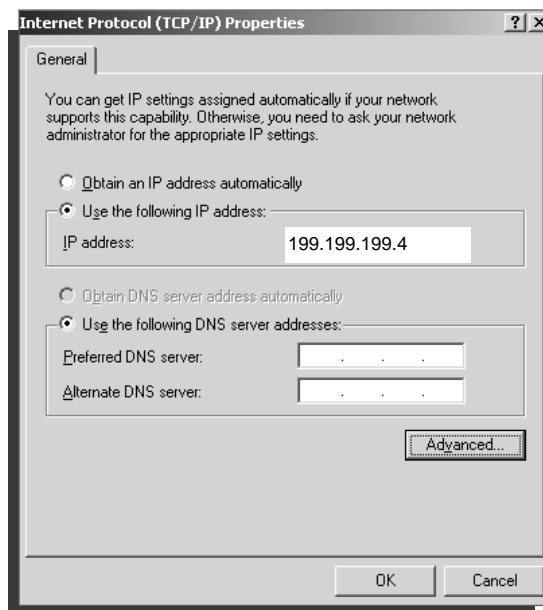
Fig. 11



▶ highlight **Internet Protocol (TCP/IP)**

▶ click **Properties**

Fig. 12



▶ click **Use the following IP address**

▶ enter IP address **199.199.199.4**

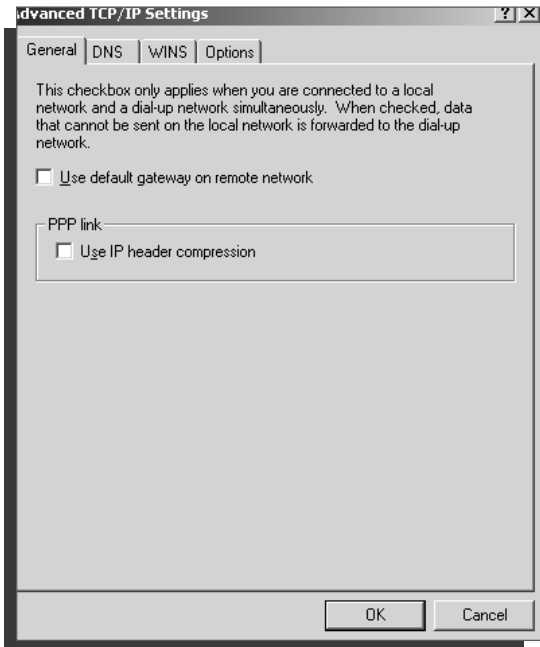
▶ click **Advanced**



DIRECT MODEM SET-UP FOR WINDOWS 2000

Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 13

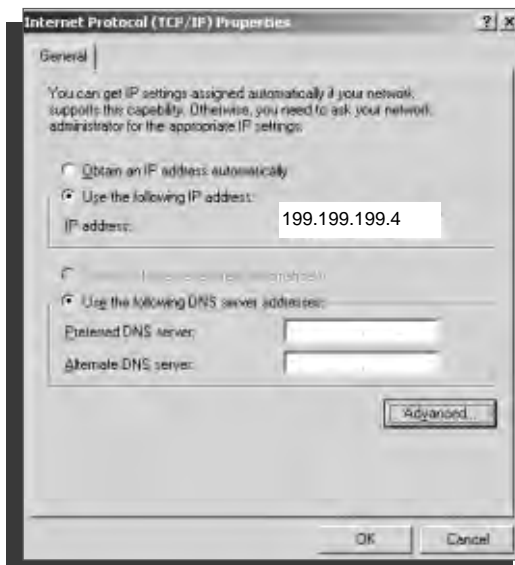


▶ uncheck **Use default gateway on remote network**

▶ uncheck **Use IP header compression**

▶ click **OK**

Fig. 14



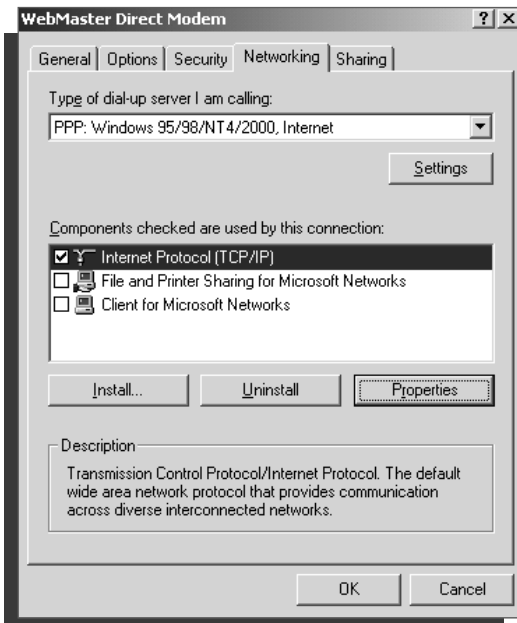
▶ click **OK**



DIRECT MODEM SET-UP FOR WINDOWS 2000

Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 15



▶ click **OK**

Fig. 16



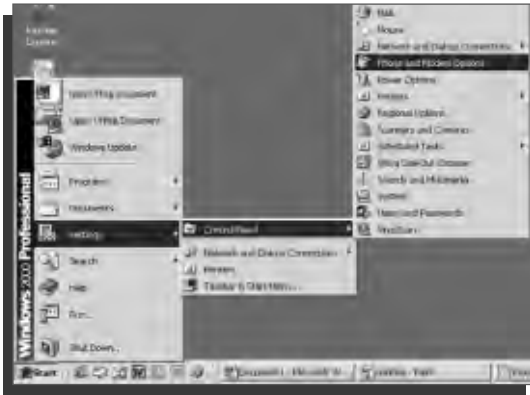
▶ click **Cancel**



DIRECT MODEM SET-UP FOR WINDOWS 2000

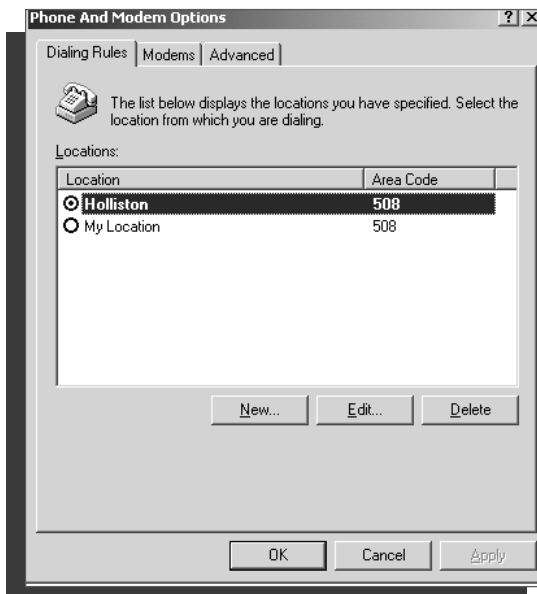
Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 17



- ▶ click **Start**
- ▶ click **Settings**
- ▶ click **Control Panel**
- ▶ click **Phone and Modem Options**

Fig. 18



- ▶ click **Modems** tab



DIRECT MODEM SET-UP FOR WINDOWS 2000

Create Direct Modem Dial-Up Adapter *(continued)*

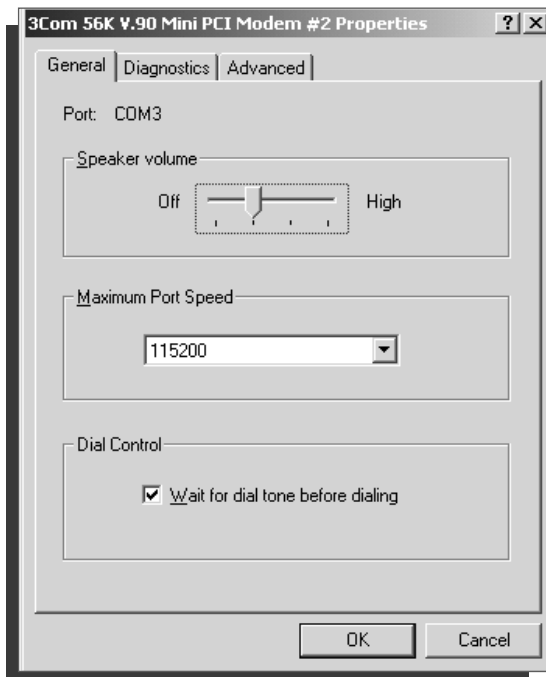
Fig. 19



▶ select modem

▶ click **Properties**

Fig. 20



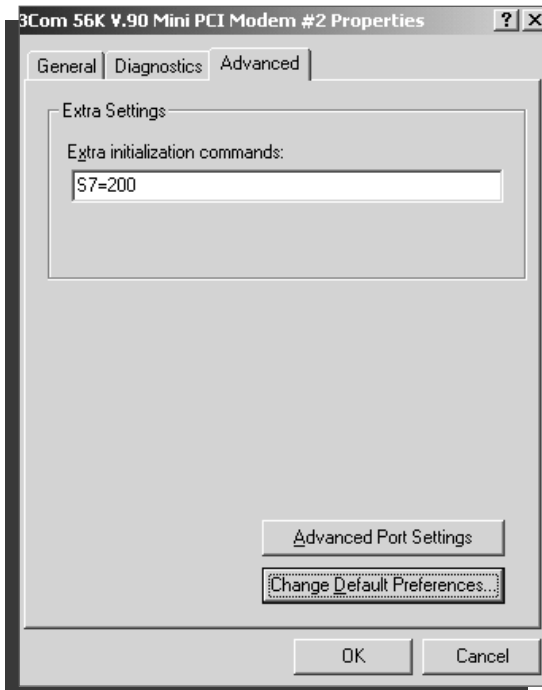
▶ click **Advanced Tab**



DIRECT MODEM SET-UP FOR WINDOWS 2000

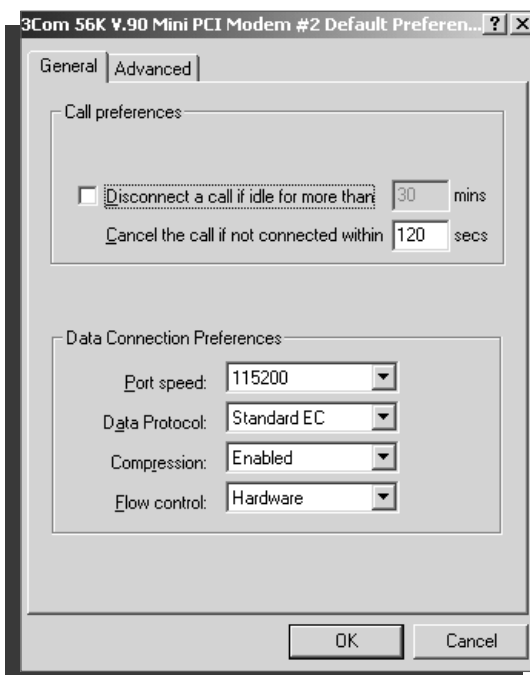
Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 21



- ▶ enter **S7=200** in extra initialization commands text box
- ▶ click **Change Default Preferences**

Fig. 22



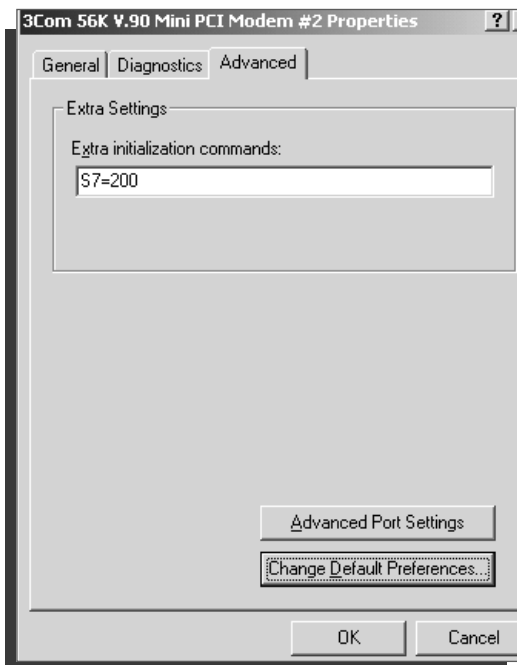
- ▶ enter **120** in **Cancel the call if not connected within...** text box
- ▶ click **OK**



DIRECT MODEM SET-UP FOR WINDOWS 2000

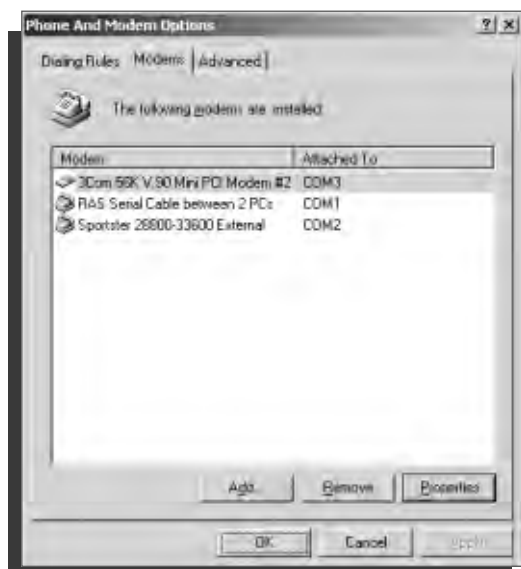
Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 23



► click **OK**

Fig. 24



► click **OK**





3. CHECK INTERNET EXPLORER SETTINGS

Fig. 1



- ▶ click **Tools** from top menu bar
- ▶ select **Internet Options...** from drop down menu

Fig. 2



- ▶ click **Connections** tab

Fig. 3



- ▶ click **Never dial a connection**
- ▶ click **OK**



QUICK SET-UP GUIDE

Dial-Up Adapter Scripts For



WINDOWS XP

SECTION IV

1. **Direct Serial Communications (RS232)**
 - A. Install Null Modem Driver
 - B. Create Direct Serial Dial-Up Adapter
2. **Direct Modem-to-Modem Communications**
3. **Checking Internet Explorer Settings**

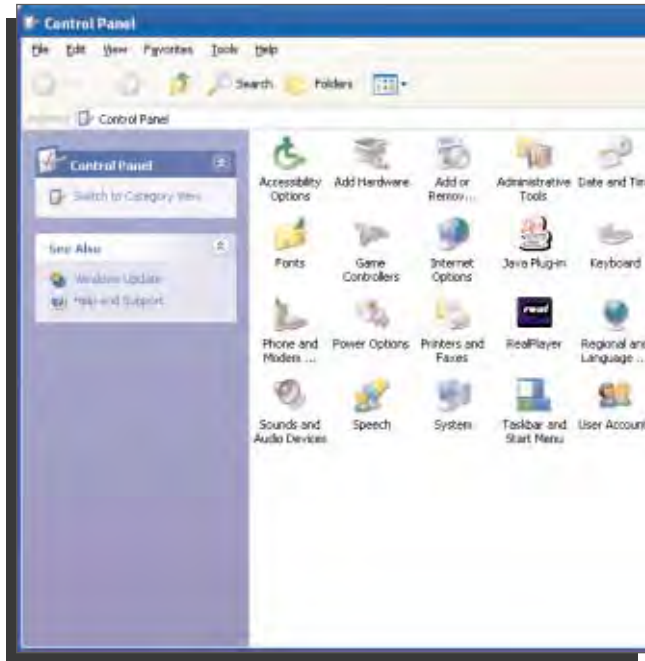




1. DIRECT SERIAL SET-UP FOR WINDOWS XP

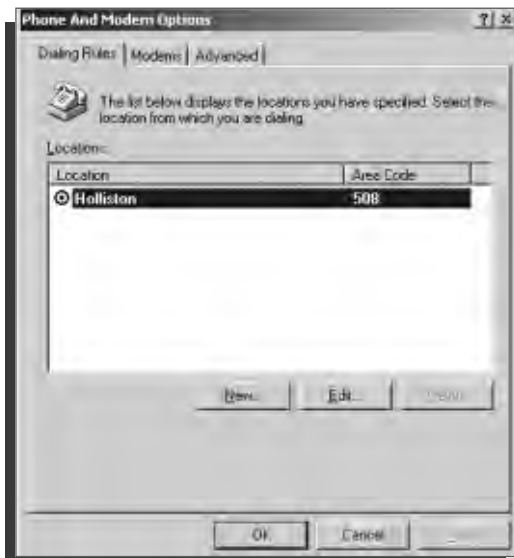
A. Install Null Modem Driver

Fig. 1



- ▶ click **Start**
- ▶ click on **Control Panel**
If it doesn't look like this, switch to **Classic View**
- ▶ double click on **Phone and Modem Options**

Fig. 2



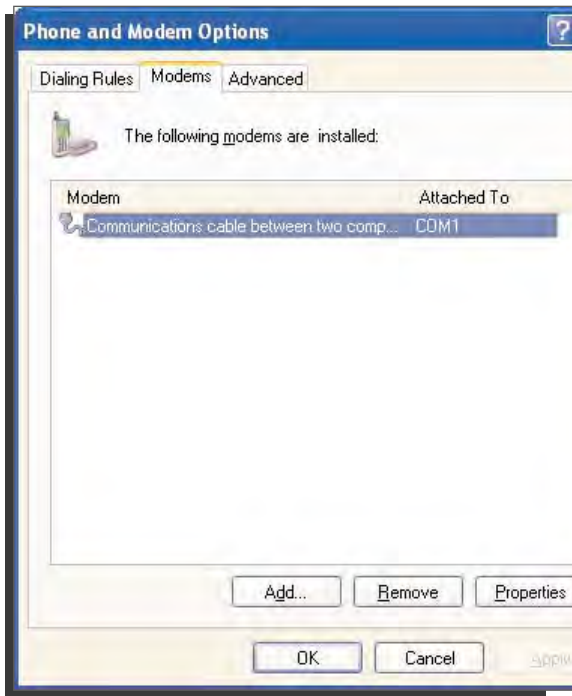
- ▶ click on **Modems** tab



DIRECT SERIAL SET-UP FOR WINDOWS XP

Install Null Modem Driver (*continued*)

Fig. 3



► click **Add** to select highlighted modem

Fig. 4



► click box to left of

Don't detect my modem...

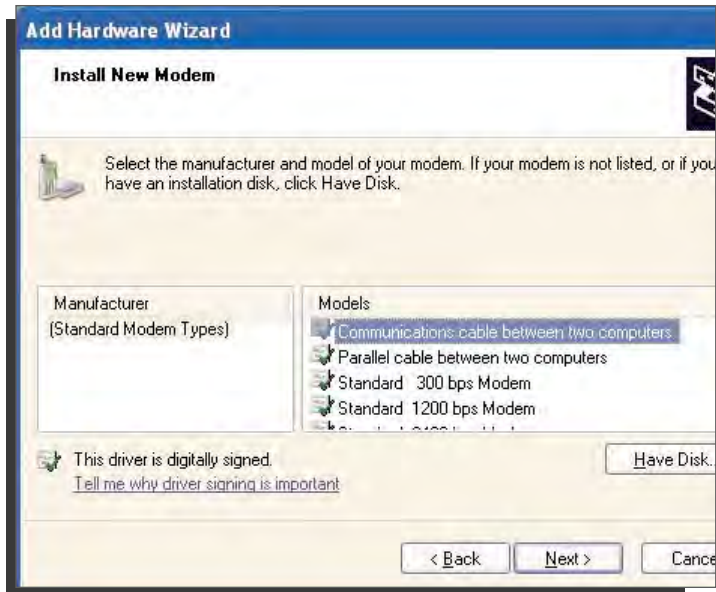
► click **Next >**



DIRECT SERIAL SET-UP FOR WINDOWS XP

Install Null Modem Driver (*continued*)

Fig. 5



▶ select

Communications cable between two computers

Fig. 6



▶ click **Selected ports**

▶ **highlight the appropriate COM port for your serial connection.**

This will normally be COM1, but not always!

If your computer does not have a DB9 connector to the serial port, and only has USB ports, then you will need to purchase a USB-to-serial port adapter. Install the software for the adapter according to the manufacturer's instructions. Then install the null modem on the port that the adapter is on.

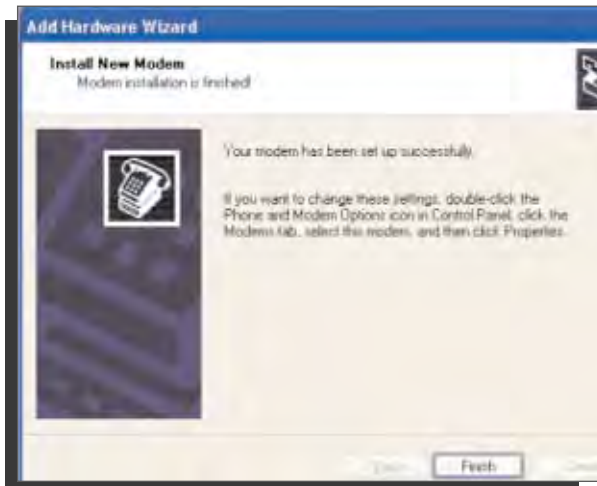
▶ click **Next**



DIRECT SERIAL SET - UP FOR WINDOWS XP

Install Null Modem Driver *(continued)*

Fig. 7



► click **Finish** to complete



DIRECT SERIAL SET-UP FOR WINDOWS XP

B. Create Direct Serial Dial-Up Adapter

Fig. 1



- ▶ click **Control Panel**
- ▶ double click **Network Connections**

Fig. 2



- ▶ click **Create a New Connection**



DIRECT SERIAL SET-UP FOR WINDOWS XP

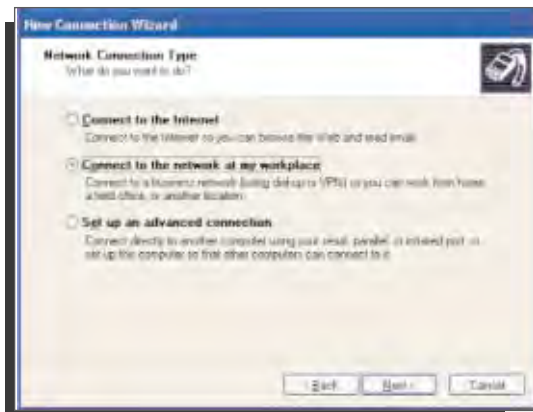
Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 3



▶ click **Next >**

Fig. 4



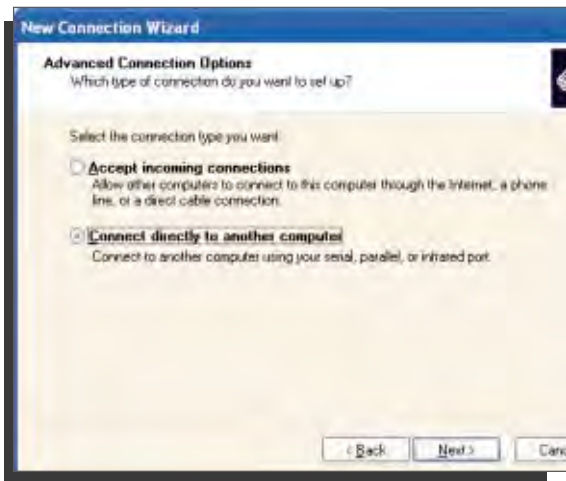
▶ check box for
Set up an advanced connection

▶ click **Next >**

DIRECT SERIAL SET-UP FOR WINDOWS XP

Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 5

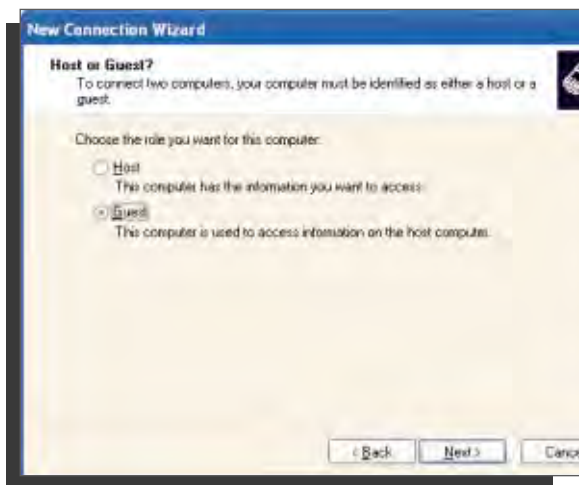


▶ check box for

Connect directly to another computer

▶ click **Next >**

Fig. 6



▶ check box for

Guest

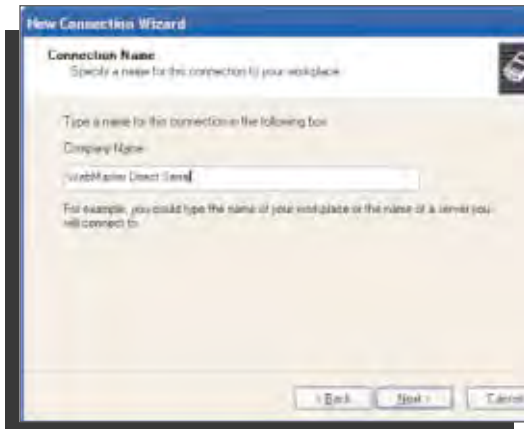
▶ click **Next >**



DIRECT SERIAL SET-UP FOR WINDOWS XP

Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 7



- ▶ type an appropriate name in text box:

WebMaster Direct Serial

- ▶ click **Next >**

Fig. 8



- ▶ Select **Communications cable between two computers**

- ▶ click **Next >**

DIRECT SERIAL SET-UP FOR WINDOWS XP

Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 9



▶ check box for **My use only**

▶ click **Next >**

Fig. 10



▶ check box for

Add a shortcut to this connection

▶ click **Finish**

Fig. 11



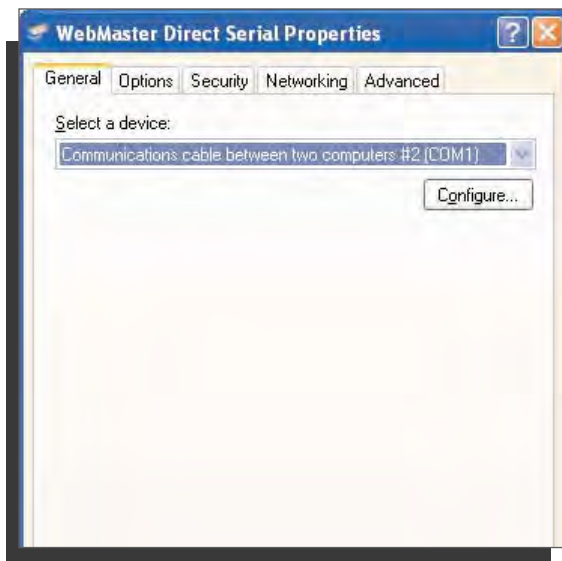
▶ click **Properties**



DIRECT SERIAL SET-UP FOR WINDOWS XP

Create Direct Serial Dial-Up Adapter *(continued)*

Fig.12



► click **Configure**

Fig. 13



► Select **19200** for Maximum speed (bps)

► uncheck **Enable hardware flow control**

► click **OK**



DIRECT SERIAL SET-UP FOR WINDOWS XP

Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 14



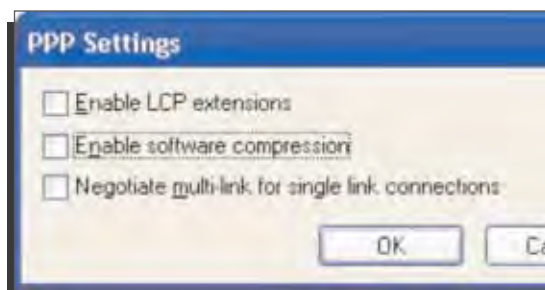
- ▶ click the **Networking** tab

Fig. 15



- ▶ check box for **Internet Protocol (TCP/IP)**
- ▶ uncheck **Client for Microsoft Networks**
- ▶ highlight **Internet Protocol (TCP/IP)**
- ▶ click **Settings**

Fig. 16



- ▶ uncheck all three options
- ▶ click **OK**



DIRECT SERIAL SET-UP FOR WINDOWS XP

Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 17



► click **Properties**

Fig. 18



► Select **Use the following IP address:**

► enter IP address **199.199.199.1**

► click **Advanced**

DIRECT SERIAL SET-UP FOR WINDOWS XP

Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 19



▶ uncheck

Use default gateway on remote network

▶ uncheck

Use IP header compression

▶ click **OK**

Fig. 20



▶ click **OK**



DIRECT SERIAL SET-UP FOR WINDOWS XP

Create Direct Serial Dial-Up Adapter *(continued)*

Fig. 21



► click **OK**

Fig. 22



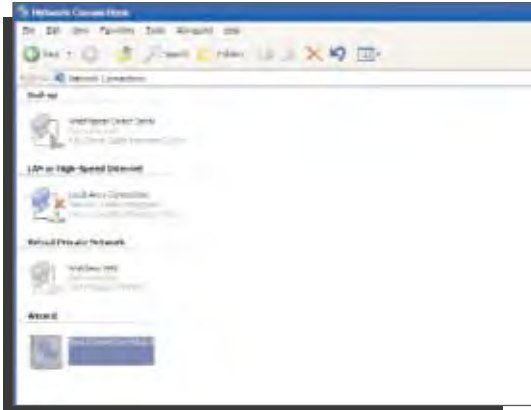
► click **Cancel**



2. DIRECT MODEM SET-UP FOR WINDOWS XP

Create Direct Modem Dial-Up Adapter

Fig. 1



▶ Return to **Control Panel, Network Connections**

▶ double click **New Connection Wizard**

Fig. 2



▶ click **Next >**

Fig. 3



▶ select

Connect to the network at my workplace

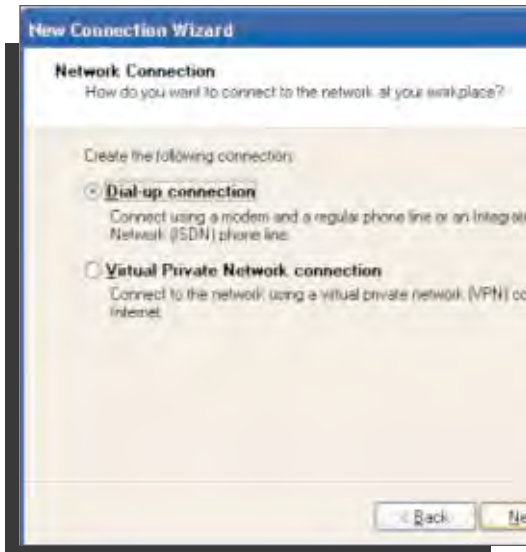
▶ click **Next >**



DIRECT MODEM SET-UP FOR WINDOWS XP

Create Direct Modem Dial-Up Adapter *(continued)*

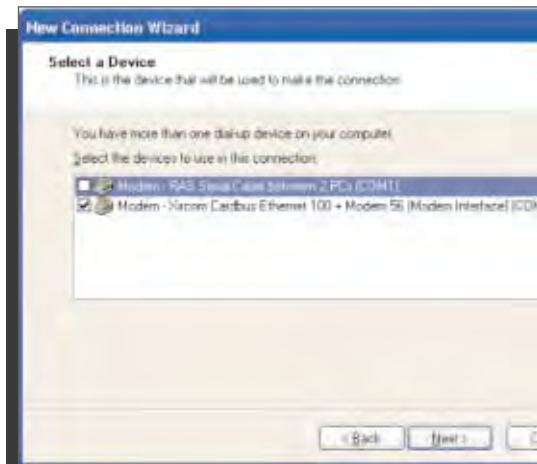
Fig. 4



▶ select **Dial-up connection**

▶ click **Next >**

Fig. 5



▶ check the appropriate modem

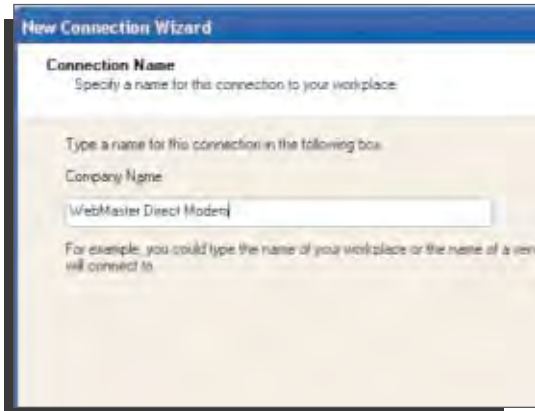
▶ uncheck all others

▶ click **Next >**

DIRECT MODEM SET-UP FOR WINDOWS XP

Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 6



- ▶ Type an appropriate name for the connection
- ▶ click **Next >**

Fig. 7



- ▶ enter the phone number for the WebMaster controller that you will be connecting to (include area code and 1 if necessary)
- ▶ click **Next >**

Fig. 8



- ▶ select **My use only**
- ▶ click **Next >**



DIRECT MODEM SET-UP FOR WINDOWS XP

Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 9



► check

Add a shortcut to this connection to my desktop

► click **Finish**

Fig. 10



► click **Properties**

Fig. 11



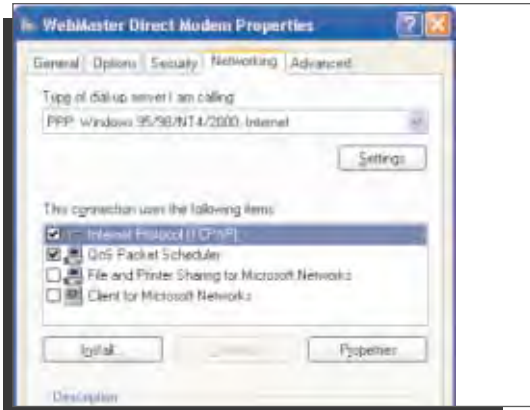
► click the **Networking** tab



DIRECT MODEM SET-UP FOR WINDOWS XP

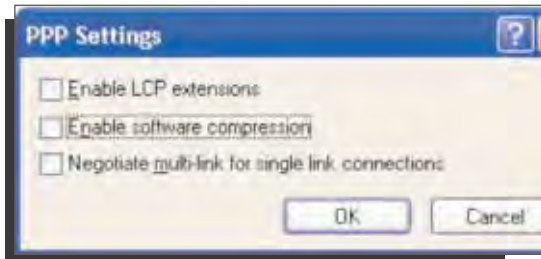
Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 6



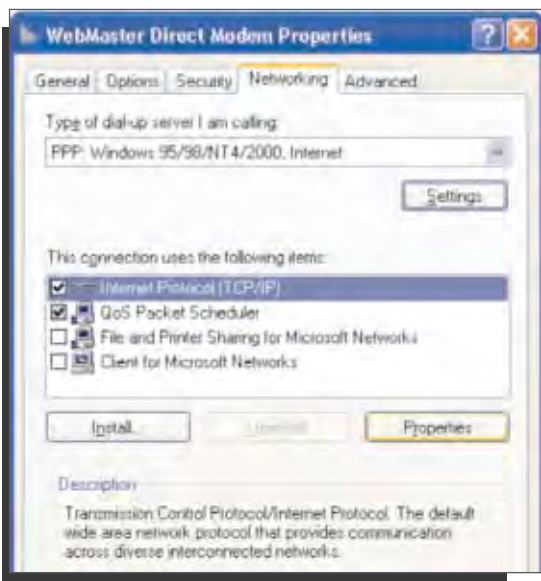
- ▶ check **Internet Protocol (TCP/IP)**
- ▶ uncheck all others
- ▶ click **Settings**

Fig. 7



- ▶ uncheck all three options
- ▶ click **OK**

Fig. 8



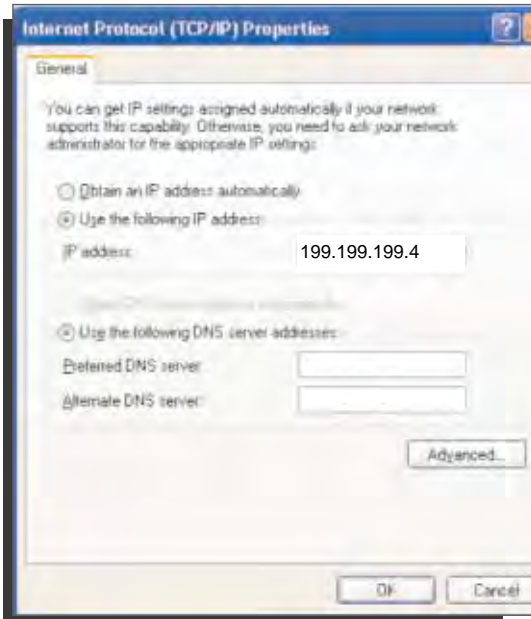
- ▶ highlight **Internet Protocol (TCP/IP)**
- ▶ click **Properties**



DIRECT MODEM SET-UP FOR WINDOWS XP

Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 9



- ▶ select **Use the following IP address**
- ▶ enter IP address **199.199.199.4**
- ▶ click **Advanced**

Fig. 10



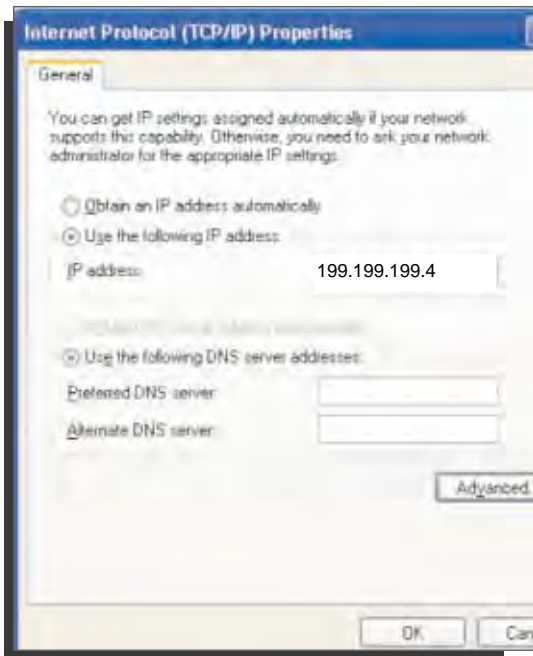
- ▶ uncheck both boxes
- ▶ click **OK**



DIRECT MODEM SET-UP FOR WINDOWS XP

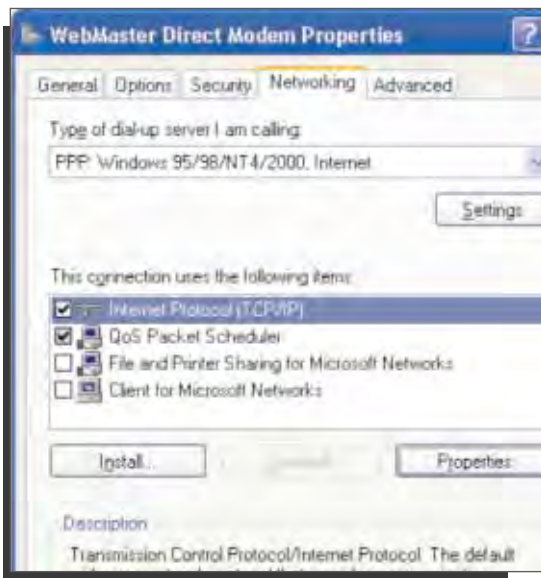
Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 11



► click **OK**

Fig. 12



► Click **OK**



DIRECT MODEM SET-UP FOR WINDOWS XP

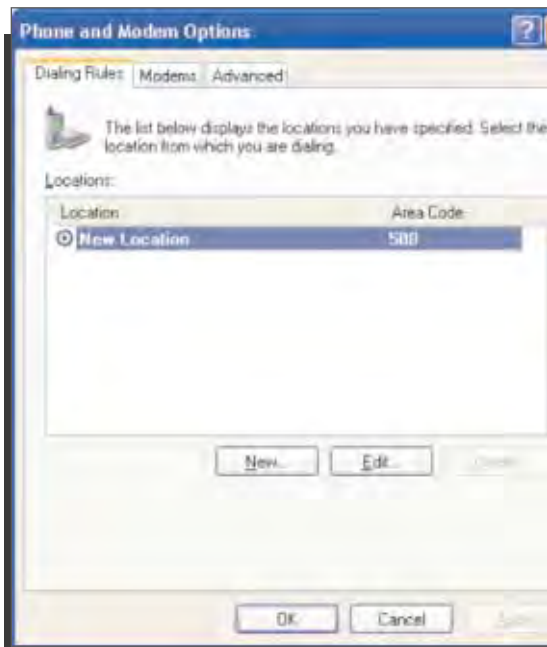
Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 13



▶ click **Cancel**

Fig. 14



▶ return to Control Panel and double click **Phone and Modem Options**

▶ click **Modems** tab



DIRECT MODEM SET-UP FOR WINDOWS XP

Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 15



▶ highlight modem to be used

▶ click **Properties**

Fig. 16



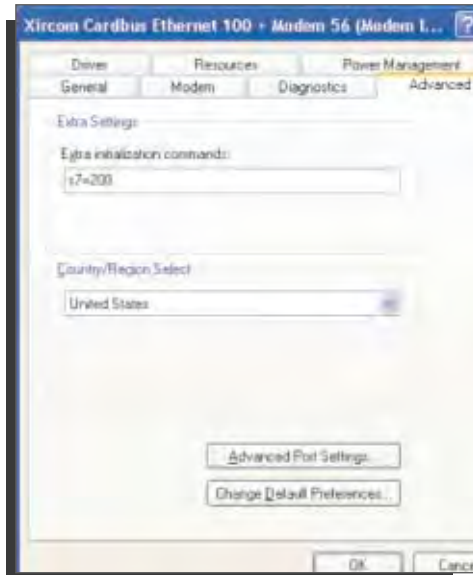
▶ Click the **Advanced** tab



DIRECT MODEM SET-UP FOR WINDOWS XP

Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 17

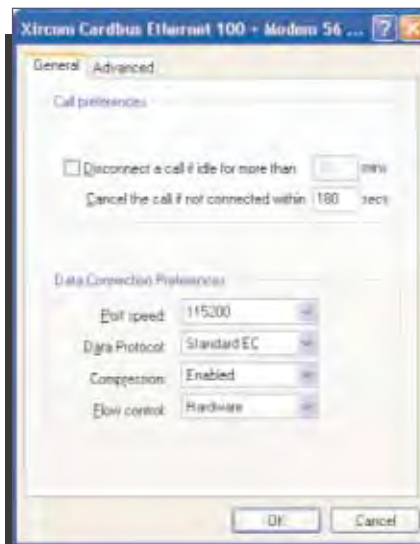


▶ in the **Extra initialization commands** box

enter **S7=200**

▶ click **Change Default Preferences**

Fig. 18



▶ enter **180** in

Cancel the call if not connected within box

▶ click **OK**



DIRECT MODEM SET-UP FOR WINDOWS XP

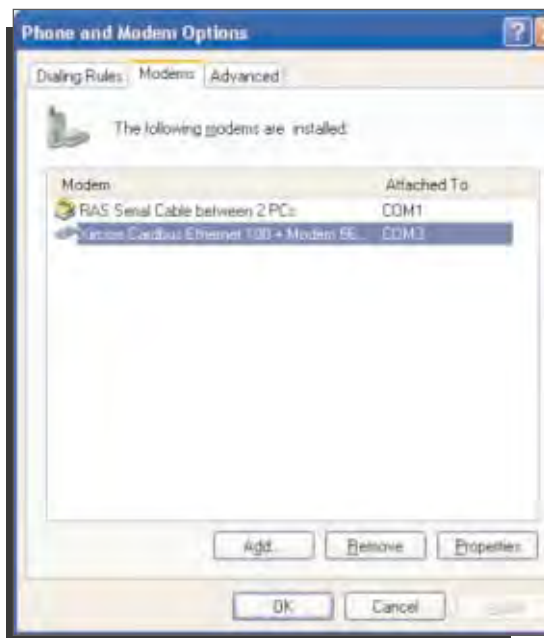
Create Direct Modem Dial-Up Adapter *(continued)*

Fig. 19



► click **OK**

Fig. 16



► Click **OK**





3. CHECK INTERNET EXPLORER SETTINGS

Fig. 1



- ▶ click **Tools** from top menu bar
- ▶ select **Internet Options...** from drop down menu

Fig. 2



- ▶ click **Connections** tab

Fig. 3



- ▶ click **Never dial a connection**
- ▶ click **OK**



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