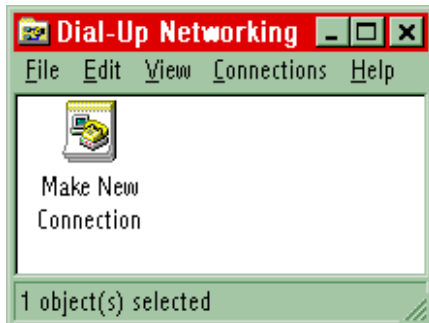


Setting Up Windows 95/98 for Dial-In

First make sure Windows 95/98 is installed on your PC and your modem is configured for use by Windows 95/98.



Step 1: Setup the connection

Open up My Computer on the desktop and double-click the Dial-Up networking icon.

—If it is your first time opening the Dial-up networking, the next step is automatic.

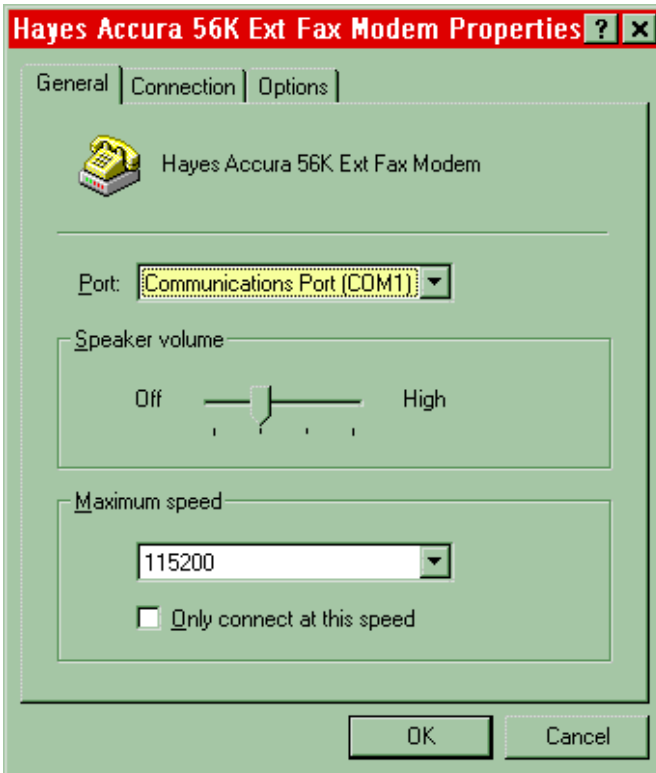
1. Double-click the Make New Connection icon. This will start the New Connection wizard, and give you the following dialog box.



2. Type in McNet-Cisco into the name dialog box.

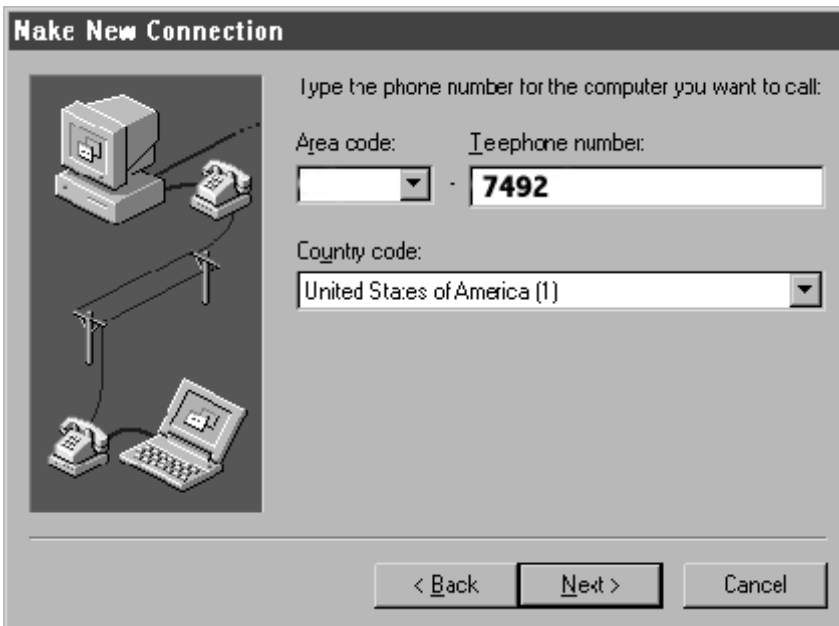
3. If the modem in the select modem box is not the modem you want to use, use the down arrow to select the correct one. This is only necessary for computers with more than one modem.

4. Choose the configure button, this will let us choose some modem options.



5. In the General section, raise the maximum speed to 57600 for 14,400modems and 115200 for modems over 14.4kbps. Then click **OK**.

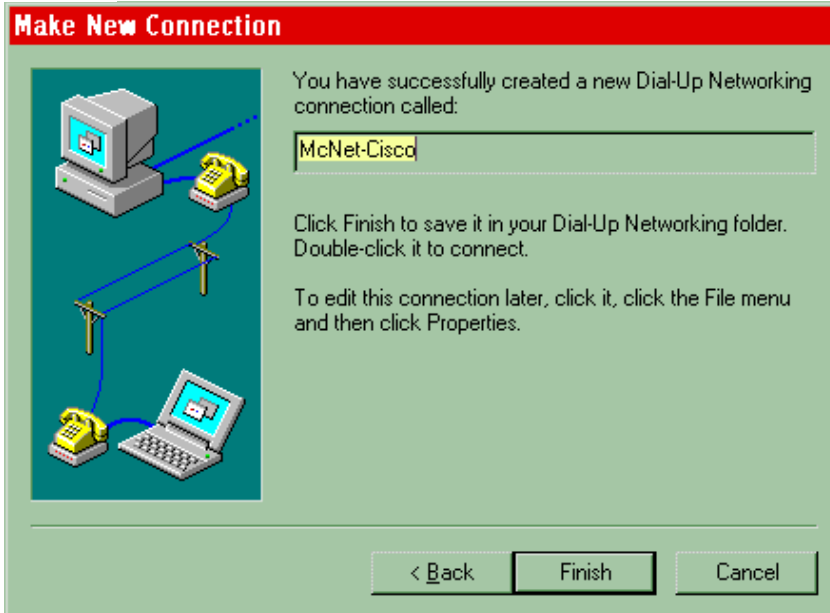
6. Now click on the **NEXT** button in the Make New connection wizard.



7. Enter the information you see to the left in your dialog box. Then click the **NEXT** button.

NOTE for students ON CAMPUS:
You only have to dial 7492

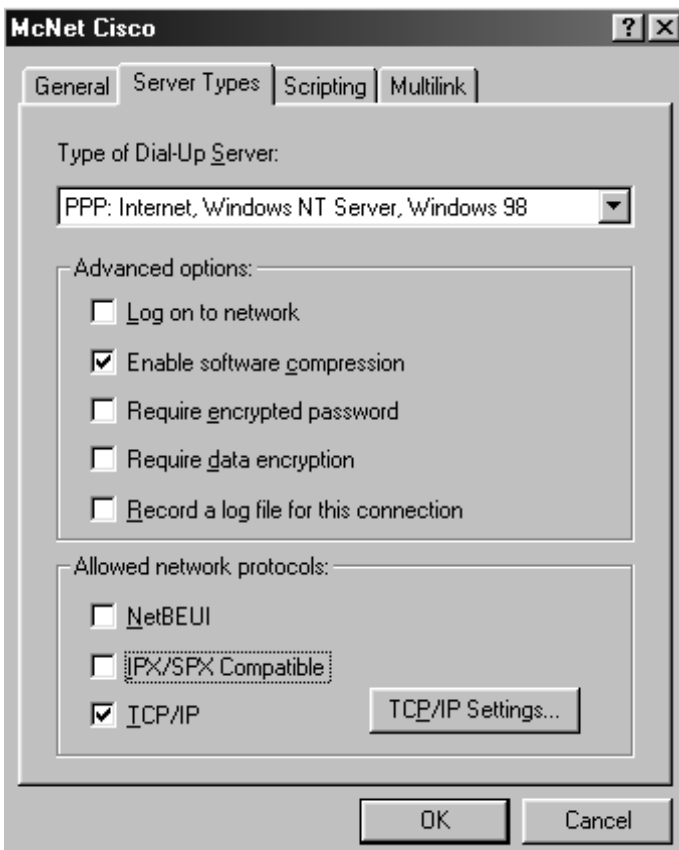
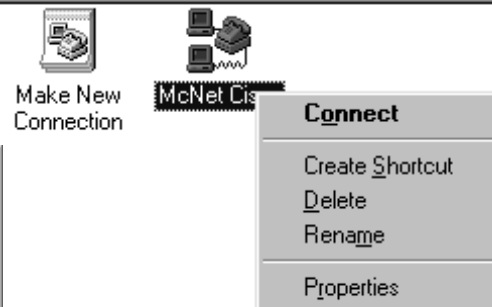
NOTE for students OFF CAMPUS:
You need to dial 376-7492



8. Click on the **FINISHED** button and your icon will be created. Your Dial-Up Networking folder should look something like this.



9. The next step is to right click and go to properties on the Mcnet Cisco Icon you have just created.



10. After opening the properties dialog box click on the Server Types tab and make sure it looks like the image to the left. The only options that should be checked are the "Enable software Compression" and "TCP/IP". Once these have been set click the OK button.

Step 2: Dialing in and Getting Connected

OPTION1: Double-click the icon that you just created.

You should get a Connect to dialog, which looks like this.

OPTION2: Right click on the Internet icon on your desktop

Here the next step depends on the version of 95 you have.

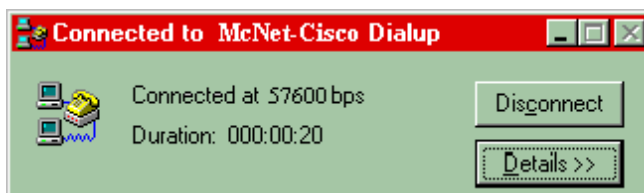
Either:

1. Choose connection tab, then check connect to internet as need,
2. Choose Autodial tab, then check use Autodial, then select the connection you created, as the default internet connection. This way anytime a program needs the internet, it will automatically start this connection. Otherwise you will need to double click the icon you created.



Enter your Username and password, then Click Connect button to establish an internet connection.

If everything is ok a Connect to Dial-up PPP dialog box like the one below will appear. Remember that this is a 32 bit TCP/IP stack so new 32bit and old 16 bit programs will both work properly. Once you have finished your work and are ready to terminate the connection click on the **DISCONNECT** button. This will hang-up your modem and terminate the internet connection.



Instructions By: Ken Nelson and Jonathan Duck

If you have any questions call the Help Desk at 376-4860

Troubleshooting Windows 95/98 for Dial-In

If you have set up the Dial-up networking and are unable to connect, this section is for you.

WARNING: If your computer connects to the internet fine you **DO NOT** need to do any of the steps on page 5 and 6. This part of the tutorial is only for users who are unable to connect to the internet after completing the steps on pages 1 through 4.

Common Error Codes Explained

Error 678: "The computer you are dialing is not answering hang up and try again later."

Resolution:

1. If there is a "740" in front of the phone number remove it then try to connect.
2. At peak times the phone company may be over loaded with calls and you get the message. "All circuits are busy now try your call again later", we've noticed this happening more frequently now. This will cause your computer to kick back the "Error 678" message.

Error 691: "The computer you're dialing in to cannot establish a Dial-Up Networking connection. Check your password, and then try again."

Or

"Unable to establish Dial-Up Network connection. Please go to 'Dial-Up Networking' and make sure your connections are configured properly.

Error 691: Access denied because username and/or password is invalid on the domain."

Resolution:

1. Verify that you have entered the correct password.
2. Try connecting again; if this doesn't solve the problem restart the machine and reattempt the connection.
3. Your modem may require a modem sting to connect see page 6 for possibilities and how to use the modem string

How to use Modem Strings

List of common modem strings and how to install them.

The modem string that your computer uses is dependent on the make and model of your modem. If your modem is not on the list please consult your computer's manual for this information.

Modem	Disable x2 (KFlex)	Disable v.42	Disable v.90	Disable V.90 & x2
Sportster/USR	S32=34	S15=128	S32=66	S32=98
Courier	S58=1	S27=32	S58=32	S58=33
Cirrus MD56	+MS=V90,0	+ES=4, 4, 6 %C1	+MS=X2,0	+MS=11,0
ESS/Teledrive	+MS=17,0	\N5	+MS=12,0	+MS=11,0
Rockwell Dual	+MS=12	&Q6	+MS=56	+MS=11
Rockwell HCF &Soft 56	+MS=V90,0	+ES=1,0,1;	+MS=K56,0	+MS=V34
Lucent LT (LT WinModem)	s38=0	\n2	-v90=0	s38=0-v90=0
Lucent Venus	s109=2	\n2	s109=0	s38=0
PCTel HSP	n0s37=14	\N5	n0s37=13	n0s37=12
Motorola SM56	*MM15		*MM13	*MM12

Most of the time the best modem script to use is either “**Disable x2 (KFlex)**” or “**Disable V.90 & x2(KFlex)**”. What this does is tell your modem at what speed it should be connecting.

How to install a Modem String

1. Double Click on the 'My Computer' Icon.
2. Double Click on the 'Control Panel' Icon.
3. Once you're inside the 'Control Panel' You need to double click on the 'Modems' icon.
4. You'll then see your modem inside that window.
5. You then want to choose the Modem Properties.
6. Then you'll get a separate window that says 'Your Modem Properties'.
7. Then you need to choose the tab at the top that says 'Connection'
8. Then at the bottom right hand side, you'll see a button that says 'advanced' click on that button.
9. Another window will appear this now looks like the image above with the three windows open.
10. Where it says 'Extra Settings' this is where you would insert the modem string that you have. Click OK to save this setting.

