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INSTALLING & CONFIGURING WINDOWS 95/98 DIAL-UP NETWORKING

These instructions are provided for RollaNet members who have Windows 95 or Windows 98 installed on their computers and wish to configure their PC to dial into RollaNet.

To install and use dial-up networking, you will need 1) Windows 95/98 installed on your computer; 2) Windows 95/98 installation disk or diskettes if dial-up networking is not already installed; 3) A modem and telephone line connected to your phone jack. Follow these steps to get connected!

STEP 1: INSTALL DIAL-UP NETWORKING

If Dial-up Networking is already installed, you may skip this step and go on to the Step 2: Configuring the Network.

To find out if Dial-up Networking is already installed on your computer, double-click the *My Computer* icon, then double-click the *Control Panel* icon. Double-click *Add/Remove Programs* icon. Single-click the *Windows Setup* tab. If the box to the left of *Communications* is not checked, click on it to check it. If *Communications* is not already highlighted, single-click it to highlight it. Single-click the *Details* button. See if the box to the left of *Dial-Up Networking* is checked:

Yes, it is checked Dial-up Networking is already installed. Click *Cancel* twice to return to Control Panel, close Control Panel and skip the rest of this section. Go to Step 2: Configuring the Network.

No, it is not checked Dial-up Networking is not installed. To install it, check the box to the left of *Dial-Up Networking* by clicking on it, then click *OK*. At this point, Windows may prompt you for your installation CD-ROM or diskettes. You also may be prompted to enter names for your computer and your workgroup. Make up any names you like; Windows will not let you continue unless it sees something in those data fields. The "computer description" field is optional. Click *OK*, which returns to the *Control Panel* folder. You will probably be asked to restart your computer to complete the install. Now that Dial-up networking is installed, you can go to Step 2: Configuring the Network.

STEP 2: CONFIGURING THE NETWORK

To configure your network, double-click the *My Computer* icon on your Windows 95 desktop. Then double-click the *Control Panel* icon. Double-click the *Network* icon.

When the Network window opens up, click the *Configuration* tab. Under "The following network components are installed," you should see "Client for Microsoft Networks," "Dial-Up Adapter," and "TCP/IP." If not, follow the instructions below to add any (or all) of them.

Add Client for Microsoft Networks

Click *Add*, select *Client*, then click *Add*. Under "Manufacturers," select Microsoft. Under "Network Clients," select Client for Microsoft Networks. Click *OK*.

Add Dial-Up Adapter

Click *Add*, select *Adapter*, then click *Add*. Under "Manufacturers," select Microsoft. Under "Network Adapters," select Dial-Up Adapter. Click *OK*.

Add TCP/IP

Click *Add*, select *Protocol*, then click *Add*. Under "Manufacturers," select Microsoft. Under "Network Protocols," select TCP/IP. Click *OK*.

Now that you've added (if necessary) the network components, in the "The following network components are installed" window, configure the properties for each component:

Set Client for Microsoft Networks Properties

Click on Client for Microsoft Networks. Then click the *Properties* button. Be sure *Quick logon* is selected. Be sure all other settings are blank. Click *OK*.

Set Dial-Up Adapter Properties

Click on Dial-Up Adapter. Then click the *Properties* button. Choose *Driver Type*. Choose "Enhanced mode (32 bit and 16 bit) NDIS driver." Click the *Bindings* tab. Choose ONLY *TCP/IP*. If any other item is checked, uncheck it. Click *OK*.

Set TCP/IP Properties

Click on TCP/IP. Then click the *Properties* button. Click the *IP Address* tab. Select "Obtain an IP address automatically," if not already selected. Click the *Bindings* tab. Check the box to the left of the "Client for Microsoft Networks". Click the *WINS Configuration* tab. Check "Disable WINS Resolution". Click the *Advanced* tab. Be sure it reads "None" in the window. Click the *DNS Configuration* tab. Choose Disable DNS. Click *OK* to return to the Network window.

In the Primary Network Logon field in the lower half of the window, you must have *Client for Microsoft Networks* selected. Click the *Identification* tab at the top of the window. Give your computer a name. Click *OK* in the Network window. At this point, Windows may prompt you for your installation CD-ROM or diskettes. A window will appear telling you that you must restart your computer before the net settings will take effect. Go to Step 3: Create A Dial-Up Connection.

STEP 3: CREATE A DIAL-UP CONNECTION

Double-click the *My Computer* icon. Double-click the *Dial-up Networking* folder icon. If this is your first time through this process, Windows may take you through its welcome procedure ("Welcome to Dial-up Networking") and if your modem has not been detected by Windows before, it may analyze your modem. You will see a window headed by "Install New Modem." Windows will examine your modem and return some information about it (your modem brand and speed). It will ask whether it is the modem you want to use; click *OK*, unless you're sure it's not.

Double-click the *Make New Connection* icon. The Make New Connection wizard will start. Under "Type a name for the computer you are dialing," type in *RollaNet*. Be sure the modem listed is the one you want to use. If not, back out to the desktop and select a modem via *My Computer/Control Panel/Modems*. Click the *Next* button.

Enter 573 as the area code. (Do NOT enter the area code if it is not a long distance call.) Then enter the dial-up number provided to you on your "Welcome to RollaNet" letter. Click the *Next* button. Click the *Finish* button. This returns to the *Dial-Up Networking* folder, where you will see your new connection icon called "RollaNet."

With the RIGHT mouse button, click on the new RollaNet connection icon created in the [previous step](#). Select *Properties* from the box that pops up. (If you didn't get a pop-up box, you did not click using the RIGHT mouse button). This should bring up a window titled "RollaNet" (or whatever you called your connection) with several tabs across the top.

Under the *General* tab, click the *Configure* button. This brings up another window for your modem properties. This window also has tabs across the top. Under *Maximum speed*, set the speed to 57600 if you have a 14.4 modem. If you have a 28.8 or faster modem, set the speed to 115200. Make sure the box to the left of "Only connect at this speed" is NOT checked.

Click the *Connection* tab at the top of the window. On this screen set "Data Bits" to 8, "Parity" to None, "Stop bits" to 1. Check "Wait for dial tone before dialing." Check "Cancel the call if not connected within 60 secs" (change the number if necessary). If you do not want your dialer to automatically disconnect you from RollaNet, make sure the "disconnect a call if idle for more than x mins" box is NOT checked.

Under the *Advanced* button at the bottom of the modem properties window, check the "Use error control" option. (Note: you may need to uncheck this option if you consistently fail to make a connection.) Check "Use flow control." Below this option, check "Hardware (RTS/CTS)." Click *OK*. This returns you to the previous window.

Click the *Options* tab at the top of the window. Be sure all of the options in this window are NOT checked, except the box in front of "Display Modem Status". This box should be checked. Click *OK*. This returns you to the RollaNet properties box.

Under the *General* tab, click the *Server Type* button. Be sure the "Type of Dial-Up Server" field is set to "PPP:Windows 95/98, Windows NT 3.5, Internet." In the "Advanced options" panel, check only "Enable software compression". Data compression lets your modem run faster, but it may make an initial connection more difficult for some modems. You may need to return to this window and uncheck this option if you consistently fail to make a connection. In the "Allowed network protocols" panel, be sure the TCP/IP checkbox is the ONLY one checked. If any others are checked, uncheck them.

Click the *TCP/IP Settings* button. A new window pops up. In this window, choose "Server assigned IP address." "Specify an IP address" should NOT be checked. Choose "Server assigned name server addresses." Choose "Use IP header compression." Choose "Use default gateway on remote network." Click *OK* three times. You are now back at the Dial-Up Networking folder.

Click your RollaNet connection icon *once* (to highlight it if it's not already highlighted). Select *Connections* from the Dial-Up Networking folder's menu bar. Select *Settings* from the drop-down window. Choose Redial. Set "Before giving up retry" to the number of times you want your modem to redial (e.g., 20). Leave the "Between tries wait" fields to 0 mins and 0 secs.

In the "When establishing a network connection" panel, be sure ONLY "Prompt to use Dial-Up Networking" is checked. Click *OK*.

Reboot your PC. This completes the procedure for creating your RollaNet dial-up icon. Rebooting the PC is necessary for the icon to be usable.

You are now ready to go to the final step of configuring your Windows 95 dial-up to connect to RollaNet. Go to Step 4: Initiate A Connection.

STEP 4: INITIATE A CONNECTION

From the Windows 95/98 desktop, double-click the *My Computer* icon. Double-click the *Dial-Up Networking* icon. Double-click your *RollaNet* connection icon.

In the "User name" field enter your RollaNet userid in *lower case letters with no spaces*. Please note that this is NOT your email address or your full name. For example, if your email address is "johndoe@rollanet.org", your userid is "johndoe". If your full name appears here, (or if anything other than your RollaNet userid appears here) you should delete it and put in your RollaNet userid.

Enter your RollaNet password. You'll find this on the Welcome Letter you received when your account was opened. Make sure you enter it in all lower case letters and that there are no spaces. Since the actual password won't display, make sure your Caps Lock key is off so you know you are entering the password in lower case letters.

Check the *Save Password* option, then click the *Connect* button. A PC-to-modem icon should display. Windows 95/98 should start dialing. If a RollaNet modem is available, you'll hear the strange sounds modems make when they are synchronizing with each other, which is often called "shaking hands." If a connection is established, a box will display, saying "Connected to RollaNet." you can minimize this dialog box by clicking on the "_" in the upper right corner of the box. (Be careful not to kill the connection by clicking the "X.") The minimized window should drop to the menu bar at the bottom of your screen.

Congratulations! You should be on the Internet! The Windows 95/98 Dial-up Networking connection runs in the background while you use your other Internet applications. You are now ready to start your web browser (Internet Explorer, Netscape), email (Outlook Express, Netscape, Eudora) or other Internet software.

To disconnect from the Internet when you are done, first close your Internet applications, then bring up the "Connected to RollaNet" dialog box you minimized earlier. Click the *Disconnect* button. This breaks the connection between your modem and the modem on the server at RollaNet.

IF YOU ARE UNABLE TO CONNECT

If you are still unable to connect to RollaNet after following all of the instructions provided, please call our Pine/Online office at 573-364-0852. Leave a message for our HelpDesk, including the following information:

- Your name and userid
- Your phone number, and the best time to reach you.
- A brief description of the problem, including any error messages you are receiving.