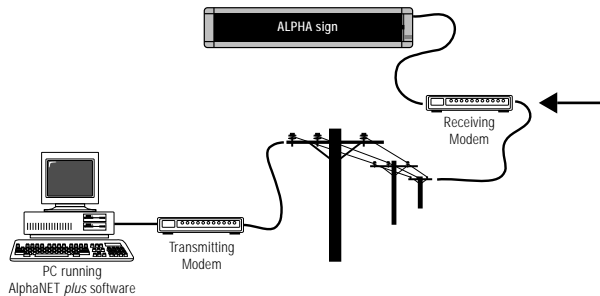


<b>PRIORITY:</b>	Normal
<b>DATE:</b>	March 13, 1997
<b>TITLE:</b>	Using high-speed modems with ALPHA signs
<b>ECO REFERENCE:</b>	n/a
<b>PRODUCT(S) AFFECTED:</b>	All ALPHA signs
<b>SUMMARY:</b>	Before a high-speed (> 9600 baud) modem can be used to <b>receive</b> information for an ALPHA sign, the modem must: (1) have its flow control disabled, (2) have its serial baud rate follow the connection rate, and (3) be set to auto-answer mode.

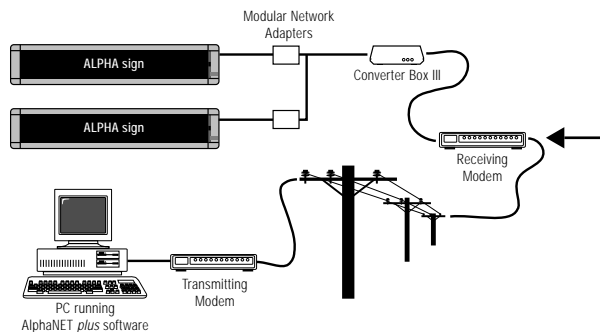
### How modems are used to network ALPHA signs

For more detailed information on networking ALPHA signs, see the **Network Configurations** manual (pn 9708-8046).

#### Connecting a single sign to a modem



#### Connecting multiple signs to a modem



Only a high-speed *Receiving* modem has to be "slowed down".

(A high-speed *Transmitting* modem does not have to be "slowed down". It just has to be set up to work with the PC to which it's attached.)

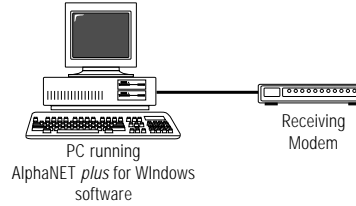
## How to "slow down" a high-speed Receiving modem

The modem commands in parentheses below, like **AT&H0**, are Hayes-style commands. Before using these commands, make sure your modem accepts this style.

The Receiving modem (see the previous networking examples) must have its:

- transmit data flow control disabled (**AT&H0**)
- receive data flow control disabled (**AT&R1**)
- serial port rate set to the connection rate (**AT&B0**)
- NVRAM set to save the above changes (**AT&W0**)

Connect the high-speed Receiving modem to a PC running *AlphaNET plus for Windows*



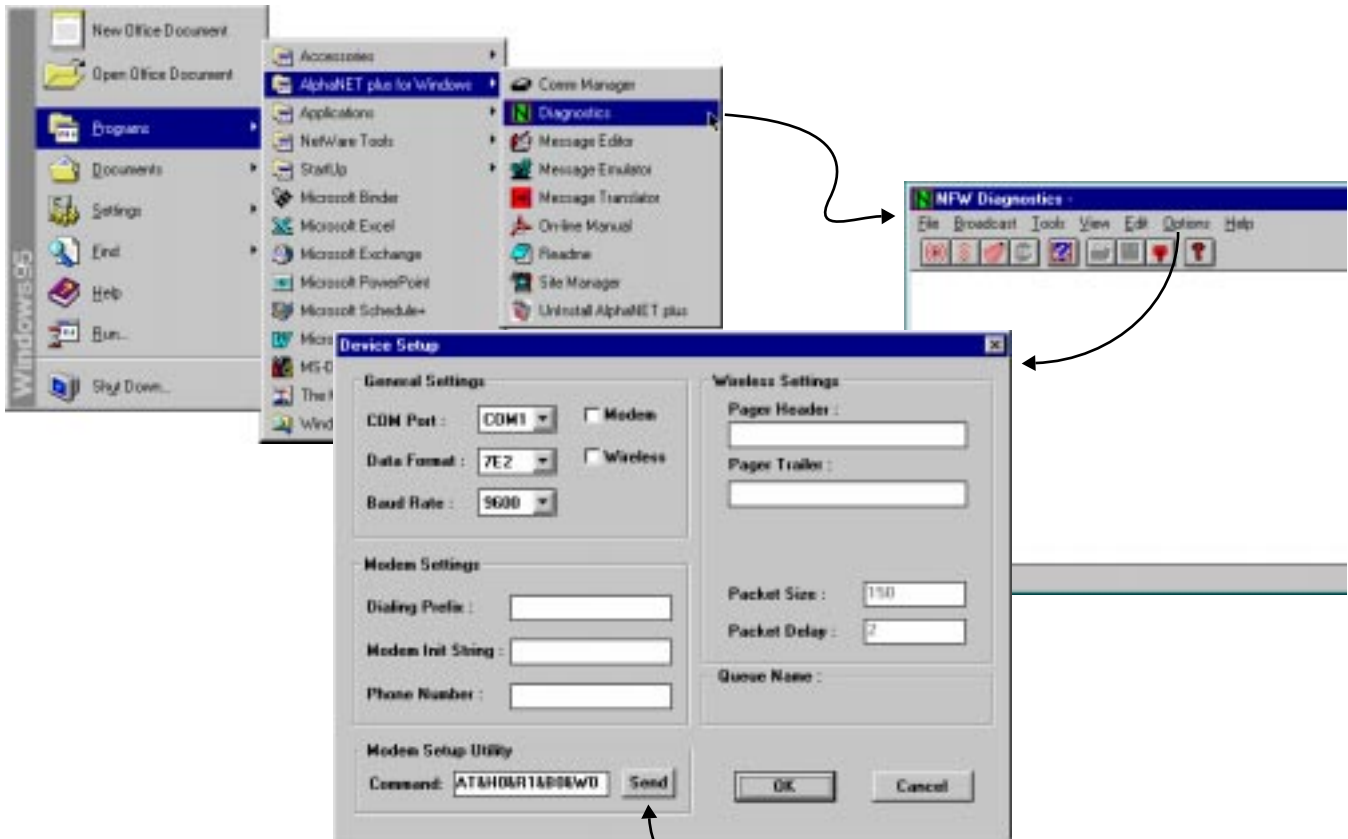
### NOTE

The Receiving modem must also be set up to *auto answer mode*.

This can usually be done by software "AT" commands or by setting DIP switches on the modem. (See your modem manual.)

Use *Diagnostics* to "slow down" the Receiving modem

*Diagnostics* is a program that is part of the **AlphaNET plus for Windows** software and can be used to send the above "AT" commands to the Receiving modem:



After connecting the Receiving modem to your PC, run *Diagnostics*, and click on **Send** to program the modem.