

# USING A REMOTE MODEM WITH ALPHANET FOR WINDOWS

## INSTRUCTIONS

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### SET UP THE REMOTE MODEM:

1. Use a Modem Cable to connect the Modem to a computer.
2. Connect a live analog phone line to the Line port on the Modem.
3. Connect the Modem power supply to the Modem.
4. Plug the Modem power supply into a live 110VAC power outlet.
5. Turn on the Modem.
6. Load a program like Procomm Plus or Hyperterminal.
7. Configure the Procomm or Hyperterminal program properly to use the Com Port that you have connected the Modem to.
8. Verify that you have connectivity to the Modem by typing: **AT** and pressing Enter. The Modem should return the response OK. If it doesn't, then turn off the Modem, turn it back on again and type: **AT &F** and press Enter. This resets the Modem to use the factory defaults which include displaying Result Codes.
9. Type: **AT** and press Enter again. Now the Modem should respond OK.
10. Type: **AT M1 L2 S0=1** and press Enter to set the following conditions:
  1. M1 - Speaker On Until Carrier Detected.
  2. L2 - Medium Volume Level
  3. S0=1 - Answer on 1<sup>st</sup> ring.
11. Type: **AT &W0** to write the settings to Profile 0.
12. Disconnect the Modem from the computer.
13. Use an Alpha B9 cable to connect the Modem to the Converter Box.
14. Plug the Converter Box power supply into the Converter Box.
15. Plug the Converter Box power supply into a live 110VAC outlet.
16. Use an RS-485 Modular Cable (straight through RJ11-04 without a twist) to connect the Converter Box to the RS-485/RS-232 port on the sign. On a 215C, the correct port is usually the Right Port when facing the back of the sign.
17. Plug the Modem power supply into the Modem.
18. Connect the Modem power supply into a live 110VAC outlet.
19. Connect the analog phone line to the Line Port on the Modem.
20. Turn on the Modem power switch.

### SET UP THE ALPHANET SOFTWARE:

1. Click Edit
2. Click Device.
3. Click Install.
4. Click Modem on Com 1 (or whatever your Com Port is)
5. Click OK.
6. Click on the Available Device you installed, eg. Modem on Com 1.
7. Click on Edit.
8. Click on the down arrow in the Data Format box.
9. Click on the 8N1 selection.

10. Click in the Modem Init String box.
11. Press the Caps Lock key on your keyboard to turn on CAPS.
12. Type: **AT M1 L2 B60** to set the following conditions:
  1. M1 - Speaker On Until Carrier Detected.
  2. L2 - Medium Volume Level
  3. B60 - Initiate call using ITU-T V.32 at 9600 bps.
13. Click OK.
14. Click Close.
15. Click File.
16. Click New Site.
17. Click in the Site Name box.
18. Type: **215C-Modem Com1-Addr 01** where:
  1. 215C is your sign model
  2. Modem Com1 indicates which device you are using.
  3. Addr 01 indicates the sign Serial Address you are using.
19. Click on the down arrow in the Compatibility box.
20. Click on the EZ95 selection.
21. Click on the down arrow in the Connect Device box.
22. Click on Modem on Com1 (or whatever Device you installed).
23. Click in the Phone Number box.
24. Type the phone number of the line the Remote Modem is connected to.
25. Click on the Sign Info tab.
26. Click in the Address List box.
27. Type: **01** (or whatever sign Serial Address you are using). NOTE: To determine which Serial Address you are using, unplug the sign and plug it back in. Notice the Serial Address setting as the sign displays its startup information.
28. Click on None to turn off Tone on Receipt. If you want the sign to beep when a message is sent, then click on one of the other choices.
29. Click OK.
30. Click on 215C-Modem Com1-Addr 01 (or whatever Site you have set up).
31. Click on Messages.
32. Click on Edit.
33. Type your message.
34. Click File.
35. Click Save.
36. Type the File name you want to use to store the message.
37. Type OK.
38. Click on NFW SiteManager on the bottom line of the computer screen to reactivate the Site Manager.
39. Click on the + icon.
40. Click on the File name you just saved.
41. If you want to select another file, press the Ctrl key and click another File name.
42. Click OK.
43. Click the lightning bolt to send the messages.
44. Modular Connector and the RS-232 Modular Serial Cable between your computer's Serial Port and the jack on the Infrared Message Loader.