Procomm Plus® version 4.8 Configuration

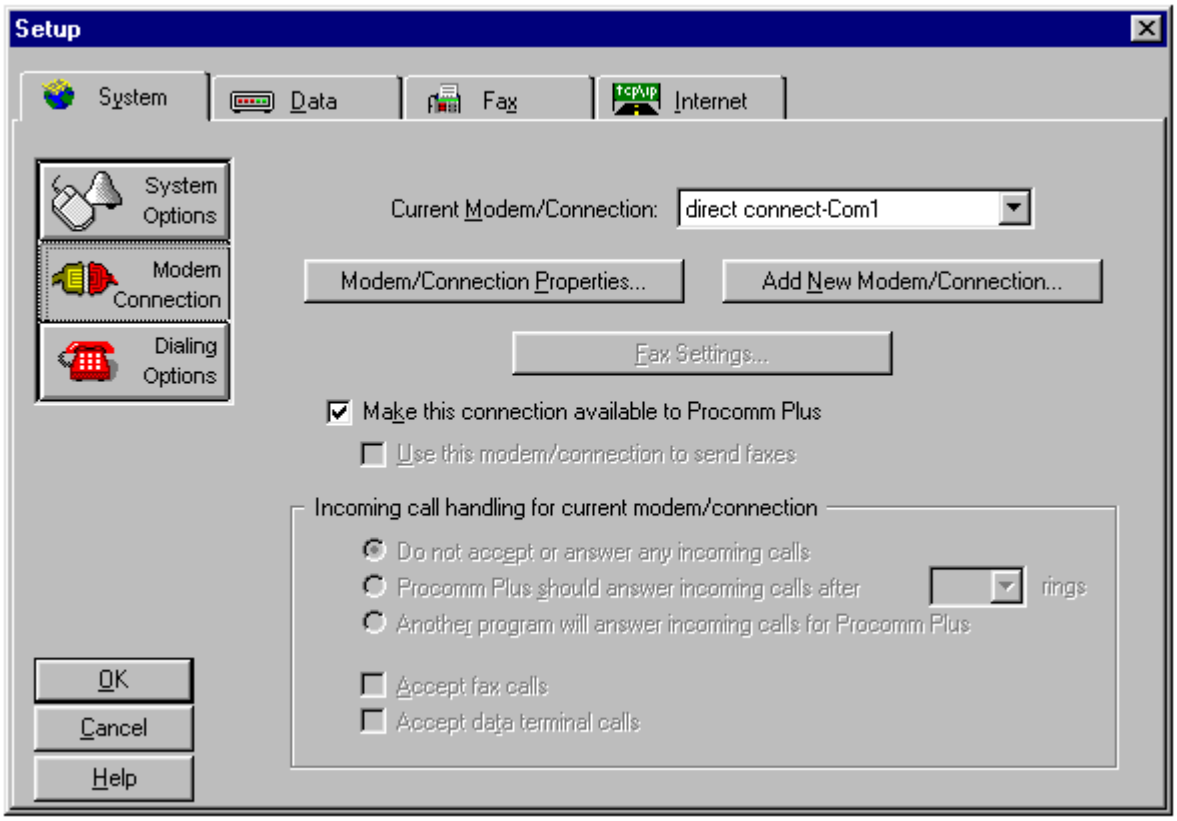
The following setup information applies to ProComm Plus 2.0® for Windows 95/98 through version 4.8 for Windows 95/98/2000/XP.

NOTE:

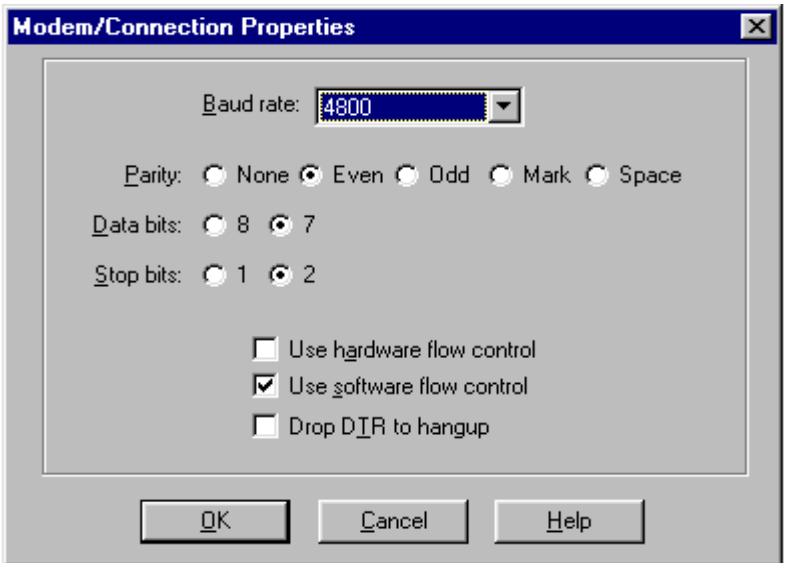
It is possible that you may experience timeouts when uploading a program using drip feed to the CNC while using ProComm Plus Version 4.8. ProComm's default delay time is to wait 20 seconds after an XOFF command and then abort. Symantic has provided a solution to this on their web pages. For further explanation, please visit their Tech Support site at http://www.symantec.com/techsupp/index.html, enter a search for that version of Procomm product and open the FAQ section for that product.

1. After installing ProComm Plus®, launch the application by double clicking on the appropriate icon or selecting the appropriate item from the Start button. If you need any additional help on installing or launching the application, please refer to the ProComm documentation that accompanied the software. This is the main screen of ProComm Plus®. Clicking the **SETUP** button will bring up the screens used to change the communications parameters.

2. By clicking the **SETUP** button the following screen appears. Click on the "**System"** tab followed by the **"Modem Connection"** button. Next, select **"direct connect – Com1"** from the **"Current Modem / Connection"** drop down box. To configure the Com1 port, click on the **"Modem/Connection Properties…"** button.

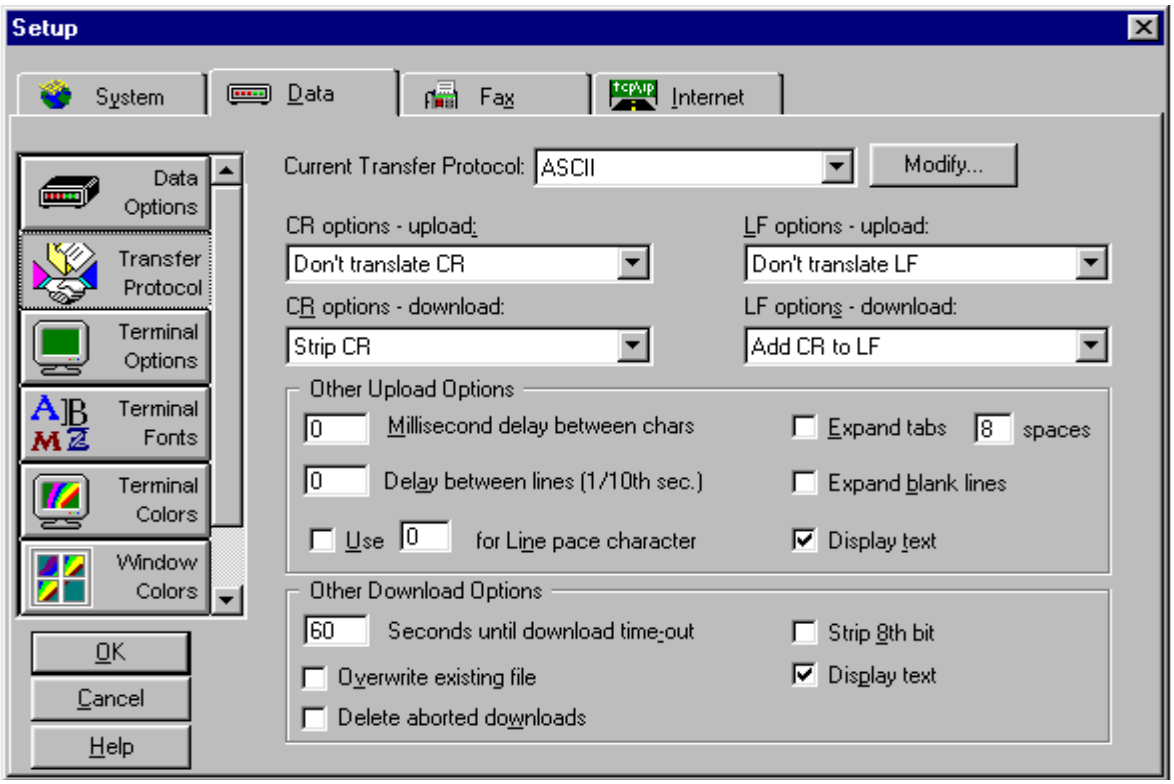


3. After selecting the **"Modem/Connection Properties…"** button, you should see the following screen. Set your PC to match the following:



Click on "OK" to accept the settings and close the window

4. Clicking on the **"Data"** tab of the Setup screen allows you to set the type of transfer to be used. Click on the **"Transfer Protocol"** button. To communicate with the CNC, you should select **ASCII** from the **"Current Transfer Protocol"** drop down box. Set the remaining fields in this window to match those shown below.



Click on "OK" to accept the settings and close the window

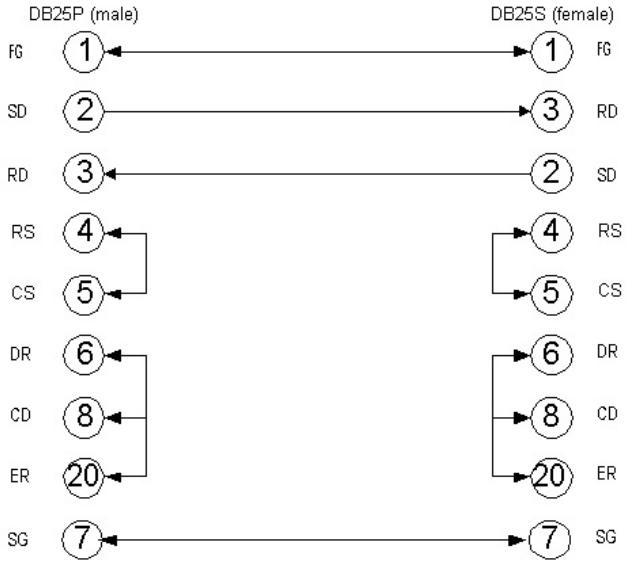
Serial Cable Connection

The GE Fanuc CNC controls have a minimum of one serial communication port available for communications. This port is designed to conform to the basic requirements of the EIA232C standard. Connection to an EIA232 or EIA574 compliant device can be accomplished using a *null modem* cable.

Communication Cable Diagrams

EIA232C Null Modem Cable

This cable, utilizing a DB25P connector to a DB25S connector, uses Control Codes also known as Software Handshaking. Controls and PG systems use serial inter-face.

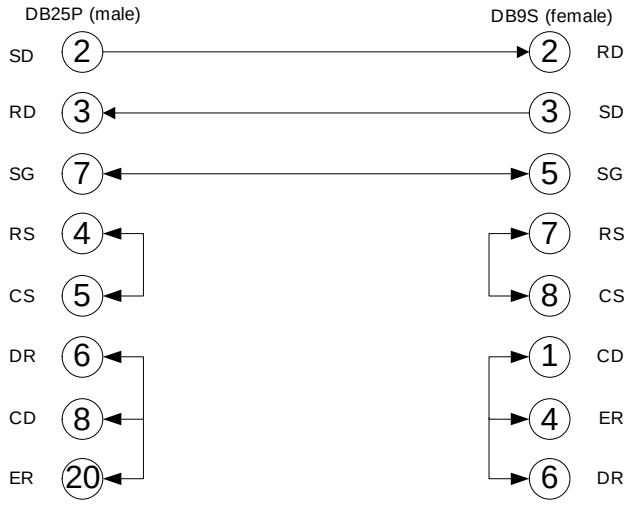


NOTE:

Pin #25 has 24 volts power supply on it. Do not use for normal interface connection or damage to the control may occur.

EIA232C to EIA574 Null Modem Cable

This cable can be used for interfacing between IBM-compatible computers and GE Fanuc controls. This cable uses a DB25P connector to a DB9S connector. This is the most commonly used cable for communications and is available from GE Fanuc or easily fabricated.



FG: Frame ground
RS: Request to send
SG: Signal ground
SD: Send data
CS: Clear to send
ER: Equipment ready
RD: Receive data
DR: Data set ready
CD: Received line signal detector