

## **Topics for Standard Serial Connections:**

Communications Parameters

Flow Control

COM Port

System Settings

## **Help for Com Port**

Softerm was unable to access the communications port defined in this session profile because it was either already in use or not configured or not available.

To allow Softerm to run this session, select another communications port followed by the OK pushbutton.

## Help for Com Port

Select another communications port followed by the OK pushbutton.

**Note:** Any existing connection on the current communications port will be lost.

## Help for Communications Parameters

Communications Parameters help synchronize the data flow between the host computer system and your PC. These parameters should be set to match the requirements of the host.

For more information, select:

[Baud Rate](#)

[Data Bits, Stop Bits, Parity](#)

## Help for Flow Control

Flow Control helps to synchronize the data flow between the host computer system and your PC. These parameters should be set to match the requirements of the host.

For more information, select:

[Transmit Pacing](#)

[Receive Pacing](#)

## **Data Bits, Stop Bits, Parity**

**Note:** These three parameters are grouped in the only possible valid combinations. You merely need to select a set.

### **Data Bits**

Selects the number of binary information data bits contained in each character. The value of this option can be either a 7 or 8. This almost always will be 7 if parity is used and 8 if no parity is used.

### **Stop Bits**

Selects the number of bits which should be appended to each character to detect correct character framing. The value of this option can be either a 1 or 2. This setting is dependent on the requirements of the host computer system but usually is 1.

### **Parity**

Parity is used as a method of error detection and is determined by the host computer. The choices for this option are None, Odd, Even, Mark, and Space.

## **Baud Rate**

This is the transmission speed of the communications link between your PC and the host computer. The standard choices are 110, 150, 300, 600, 1200, 2400, 4800, and 9600 bits per second. Additional choices, such as 19200, 38400, and 57600 may be available depending on the hardware of the personal computer.

## COM Port

Select the physical serial (COM) port you want to assign to this connection.



## COM Port

Enter the physical serial (COM) port you want to assign to this connection.

## Receive Pacing

This option defines the type of pacing control Softerm will use when receiving characters from the host computer system. The choices are None, XON/XOFF (the default), DTR, and RTS. The specific choice depends on the type of connection and the host system software. If you are unsure of the host's requirements, check with the System Administrator.

The selection of XON/XOFF specifies the use of start (XON) and stop (XOFF) characters for pacing control.

Selecting DTR allows the Data Terminal Ready signal from the serial interface to be used as a pacing control. The DTR option is appropriate only when the serial port is directly connected to the host computer system, rather than using a modem.

Request To Send simply is another method by which Data Terminal Equipment can control pacing. As usual, you should use this method only if required by the host system.

If None is selected, no flow control is used. Transmissions from the host could overflow this program's receive buffer and data could become lost or garbled. If this happens, increase the size of the Receive Buffer set in the Terminal Emulation profile.



