Sample Ethernet Configuration Session

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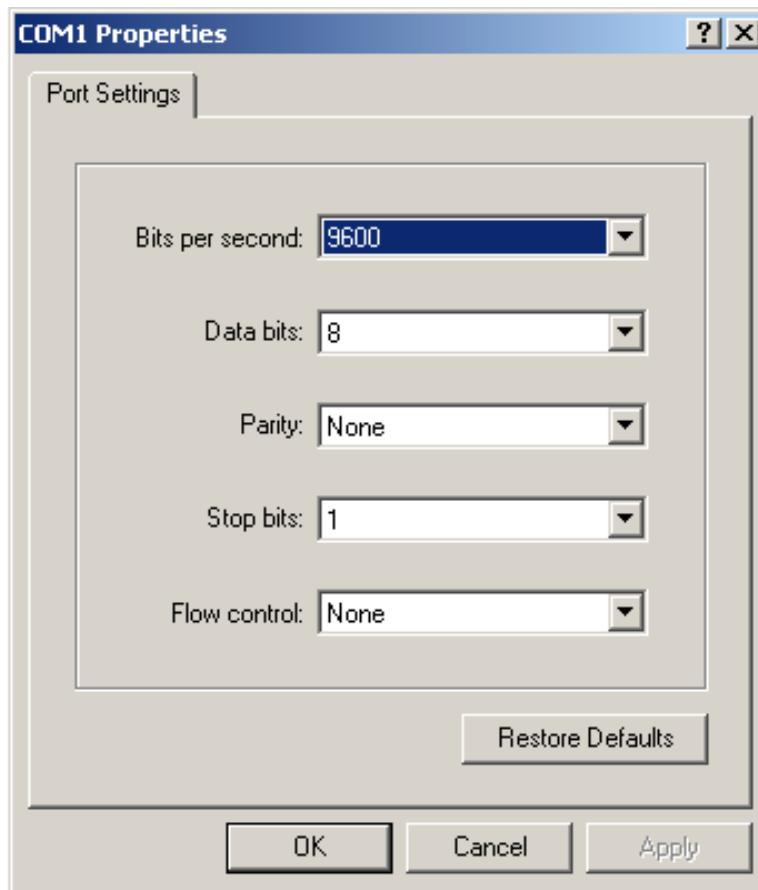Website: www.jfwindustries.com

<u>Introduction</u>

Before using the JFW system, the Ethernet Port of the JFW system must be configured for use on your network. You must assign a unique IP address, Gateway address, and Netmask address. Connect the null modem serial cable (Ethernet Configuration Cable listed in manual) supplied with the unit from the "Ethernet Configuration Port" (back panel of system) to the serial port (RS-232 port) of your computer.

Power system unit on, and run a terminal program on your computer (such as Hyperterminal for Windows). The serial settings of Hyperterminal should be 9600 baud, 8 data bits, parity set to NONE, 1 stop bit, and flow control set to NONE as seen in picture below.

<u>Connections:</u> "Ethernet Config. Port" to your computers RS-232 port.
<u>Test System Mode:</u> Test system must be in Ethernet Mode.

Sample Ethernet Configuration Session

The current settings are: IP address   **192.168.1.222**
                                       Gateway   **192.168.1.2**
                                       Netmask   **255.255.255.2**
                                       Port   **3001** (hard-coded in system and can't be changed)

The new settings will be: IP address   **192.168.1.250**
                                       Gateway   **192.168.1.1**
                                       Netmask   **255.255.255.0**
                                       Port   **3001** (hard-coded in system and can't be changed)

Step 1:   Turn off the power to the test system.

Step 2:   Position the slide switch on the back panel to Ethernet mode.

Step 3:   Turn on the power to the test system. The test system is now in Ethernet mode.

Step 4:   Connect the Null modem cable from you computer's serial port to the port on the test system labeled "Ethernet Config. Port".

Step 5:   Open a terminal program (such as Hyperterminal for Windows) and configure the serial settings to 9600 Baud, 8 data bits, no parity, 1 stop bit, no flow control.

Step 6:   You are now ready to send commands to configure the Ethernet port.

Note: All following text that is colored blue (and bolded) is text that you type.
            All following text that is colored red (and bolded) is a keystroke that you make.
            (The PDF file of this document located on the CD for this system is in color)

```
help <enter>

TCP/IP User Block Console Version 1.1

Available commands: (type "help <command>" for more info)
echo             - Turn on or off echoing of characters.
set              - Configure various options.
add nameserver   - Add a nameserver to the current l
mail             - Send an e-mail.
show             - Show current configuration.
help             - This help screen.
OK

show <enter>

Current Configuration:
      I/O Parameter:  9600
      Gateway:        192.168.1.2
      Name Servers:
      Mail Server:
      Mail From:      user@somewhere.com
      Interfaces:     ETH0
OK
```

```
show eth0 <enter>

Current ETH0 Configuration:
        Status:                 up
        IP Address:             192.168.1.222
        Netmask:                255.255.255.2
        MTU:                    600
        Ping Config:            off
        Ping Config Done:       no
OK

set ip 192.168.1.250 <enter>
IP address set to: 192.168.1.250
OK

set netmask 255.255.255.0 <enter>
Netmask set to: 255.255.255.0
OK

show eth0 <enter>

Current ETH0 Configuration:
        Status:                 up
        IP Address:             192.168.1.250
        Netmask:                255.255.255.0
        MTU:                    600
        Ping Config:            off
        Ping Config Done:       no
OK

show <enter>

Current Configuration:
        I/O Parameter:  9600
        Gateway:        192.168.1.2
        Name Servers:
        Mail Server:
        Mail From:      user@somewhere.com
        Interfaces:     ETH0
OK

set gateway 192.168.1.1 <enter>
Gateway set to: 192.168.1.1
OK

show <enter>

Current Configuration:
        I/O Parameter:  9600
        Gateway:        192.168.1.1
        Name Servers:
        Mail Server:
        Mail From:      user@somewhere.com
        Interfaces:     ETH0
OK
```