## Introduction

This guide covers the basic installation and configuration setup of the JETSTREAM 8500. It is intended for systems administrators familiar with UNIX and Windows NT operating systems, Ethernet TCP/IP networks and the RADIUS protocol.

For further information please refer to the JETSTREAM installation manual 5500023 and the JETSTREAM configuration manual 5500024 on the Serial/Console Server CD.

Summary of installation

1. Mount your JETSTREAM 8500 on a rack, desk, or wall.

2. Connect it to the network using the 10BaseT port.

3. Enter an IP address into the JETSTREAM: connect a terminal or PC to the Admin Port on the rear panel, and key in an ip address, or use dhcp, bootp or rarp to send the unit an IP address.

4. In both cases enter other network information into the unit; e.g. broadcast address, subnet mask.

5. Configure the JETSTREAM using one of the following:
   a. a PC to run JETset - a web browser program; it connects to your unit using http.
   b. a PC to run **JETstart** - a browser based 'Wizard' program that creates a basic configuration file.
   c. a terminal or PC to type in commands using command line interface, or to select menu options using text-based menus
   d. bootp or snmp

5. Attach your equipment (e.g. modems, printers) into the front-mounted ports.

6. Test communications with your attached devices. If communications are OK, your JETSTREAM is ready to use.

LEDs on RJ45 ports (after bootup)
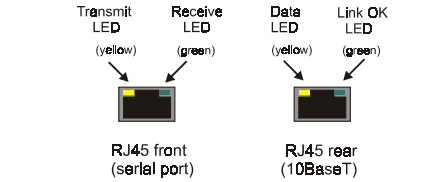
Rack Mounting
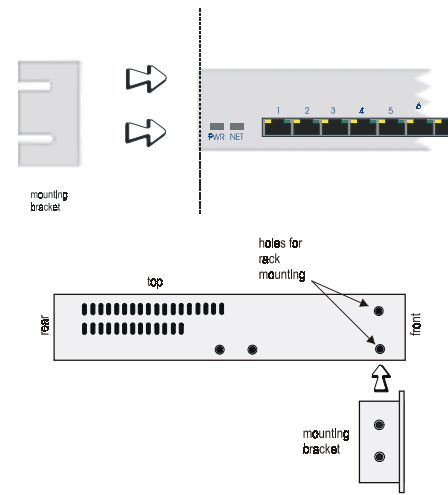
Admin Port, pin-outs

The pin-outs of a 25-way Admin Port connector are shown below. They are suitable for a straight-through cable to a PC.

Pin	Signal	Function
2	RXD	Receive
3	TXD	Transmit
7	S/GND	Signal Ground
all others	-	do not connect

Connection examples

```
JETSTREAM                                    Modem
RJ45 serial port (RS232)                      DB25

   RXD     6    <——————    3    RXD
   TXD     5    ——————>    2    TXD
   RTS     8    <——————    5    CTS
   CTS     7    ——————>    4    RTS
   DSR     2    ——————>   20    DTR
   S/GND   4    ——————     7    S/GND
                        —
   DCD     1    <——————    8    DCD
   DTR     3    <——————    6    DSR
```

```
JETSTREAM                                  Terminal
RJ45 serial port (RS232)                      DB25

   RXD     6    <——————    2    TXD
   TXD     5    ——————>    3    RXD
   RTS     8    <——————    4    RTS or
                               or
                               20    DTR
   CTS     7    ——————>    5    CTS
   S/GND   4    ——————     7    S/GND
                        —
```

```
JETSTREAM                                   Printer
RJ45 serial port (RS232)                      DB25

   RXD     6    <——————    2    TXD
   TXD     5    ——————>    3    RXD
   S/GND   4    ——————     7    S/GND
```

Entering network details

1. Set your terminal or PC with terminal emulation to emulate VT100 (if you cannot do this, see note 1.)

2. On your terminal/PC set : 9600 baud, 8 data bits, no parity and software flow control.

3. Connect your terminal/PC to the DB9 or DB25 port marked 'ADMIN' on the rear of the unit. Note: the Admin port is VT100 emulation only.

   You can also connect to any RS232 serial port; here you can also use emulation types of ANSI or Wyse 60. Connection examples for a terminal are shown in the previous column.

4. Connect your JETSTREAM to mains power. After power up, press <return> on your terminal/PC. You should see a login prompt. If you do not see a login prompt, refer to note 2.

5. At the login prompt type 'admin'; at the password prompt press the <return> key.

6. At the command line prompt, type 'set line <line number> termtype <*termtype*>'
   where *termtype* is either VT100, ANSI or Wyse60 (same as your terminal/PC).

7. Type 'screen' then press the return key; you should be presented with the main text menu, see note 5. If you cannot see the main menu refer to note 3.

8. Enter your JETSTREAM network details; see note 4.

Notes:

1. If your terminal/PC cannot emulate VT100, ANSI or Wyse 60 you will not be able to use the text menuing system during this installation; instead you will have to use the command line interface (cli). After installation you can download additional terminal definitions; some are contained on the accompanying CDROM.

2. If you do not see the login prompt you may have a problem with terminal settings (emulation type, baud rate, data bits, etc.). Also, check your cabling.

3. If typing 'screen' does not take you into the menu system, you may not be able to use the menus because of your terminal emulation. Use the command line interface (cli).

4. Enter your JETSTREAM network configuration details:

server name - the name you want to give your JETSTREAM,
e.g. socrates

internet address - the ip address you will use for your JETSTREAM, in dot notation, e.g. 192.65.132.6

broadcast address - the address which will reach all the necessary hosts. e.g. 192.65.132.255

subnet mask - e.g. 255.255.255.0

domain name - e.g. perle.com

ip_host - enter a default host ip address which can be used for all users; enter in dot decimal notation

authentication - how users will be authenticated; you have a choice of 'both' (by JETSTREAM, then if necessary by the RADIUS host), 'local' (JETSTREAM only) or 'RADIUS' (by the RADIUS host only).

gui_access - whether you want to allow web browsers to access the GUI configuration program, named JETset.

5. The main menu in the text menu system is shown in the next picture:

Configuration using JETset

If you want to use JETset - the full configuration program proceed as follows (this uses a PC with terminal emulation);

1. Open your web browser and enter the ip address of your JETSTREAM in dot decimal notation.

   The JETset home page now appears where you can now set the admin password.

2. Within JETset, go to the **User** area.

3. Within the text menus, go to the **Users Menu** and select **Set Password.** Alternatively, within the cli, type **set password.**

Configuration using JETstart

For configuration you can also use **JETstart** - the configuration 'wizard'. **JETstart** is a java applet which you run inside your web browser.

You open **JETstart** by opening file jetstart.htm, which is supplied on the Serial/Console Server CD. You need either Netscape version 4.05 (minimum) or Microsoft's Internet Explorer version 4 (minimum).

Using **JETstart** you create a configuration file. You then download the file from your local machine to the JETSTREAM using tftp; see the JETSTREAM's cli command 'netload'.

What do you want to do next?

You can now perform one of the following tasks:

- Configure lines for terminal server connections
- Configure lines for remote access (SLIP/PPP) connections
- Configure users you will be able to set your screen display into other languages
- Configure BOOTP
- Use SNMP to configure and manage some of the JET-STREAM parameters

For further information on performing these tasks please refer to the configuration manual 5500024 on the Serial/Console Server CD.

JETSTREAM 8500

Network Access Server

Quick start guide

- Remote access
- Terminal server connections
- RADIUS authentication and accounting