



## **Voyager UTP Extender**

### **Serial Addendum**

---

## Voyager UTP Extender Serial Addendum

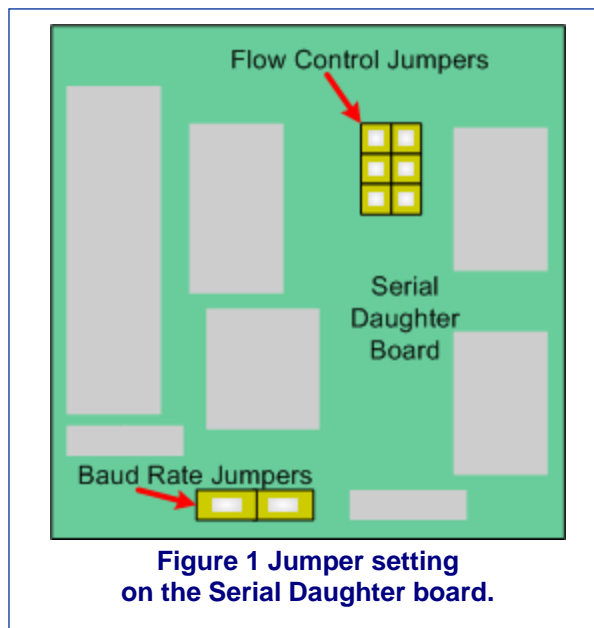
The default settings for serial extension (9600bps, 8 data bits, no parity, 1 stop bit, RTS/CTS and DTR/DSR loopback) should be suitable for the majority of applications. This addendum describes how you can adjust the baud rate and hardware flow control for specialist applications.

### Serial Interface Setup and Operation

You can configure the baud rate and flow control protocol using jumpers on the serial daughter board (see Figure 1) in the Remote and/or Local units.

1. Disconnect the unit's power supply.
2. Open the unit by unscrewing the two screws on each side of the case.
3. Locate the serial daughter board.

The following sections describe how to adjust the baud rate and hardware flow control protocol. When you have finished, replace the unit covers.



**Note:** The circuit board has several jumper blocks in addition to those shown **Figure 1**. Do not adjust any of these settings as you will cause the extender to operate incorrectly.

### Baud Rate

You can set the baud rate for serial communication across the extender units at 19200, 9600 (default) or 1200 baud.

All Local units are supplied with the baud rate preset to 9600 / 19200.

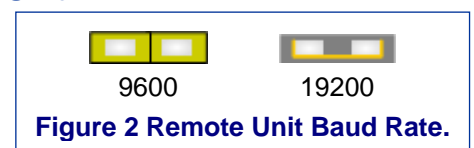
All Remote units are supplied with the baud rate preset to 9600.

### Changing the Baud Rate on the Voyager UTP Remote Unit

All Remote units are supplied with the baud rate preset at 9600.

Use this procedure if you want to change the baud rate.

1. Locate the Baud Rate jumper block in the Remote unit.
2. Set the jumper to the required setting as shown in Figure 2.

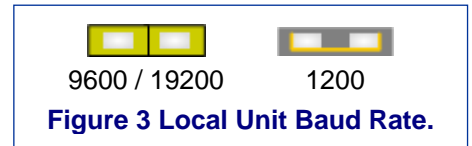


**Ensure that the jumpers are set correctly on both the Voyager UTP Local & Remote units**

## Changing the Baud Rate on the Voyager UTP Local Unit

All Local units are supplied with the baud rate preset at 9600/19200. Use this procedure if you want to change the baud rate.

1. Locate the Baud Rate jumper block in the Local unit.
2. Place the jumper over the posts as shown in Figure 3.



3. Set the hardware flow control jumpers in both Local and Remote Units to **RTS/CTS Flow Control across CAT5 Link** as described below.

### Ensure that the jumpers are set correctly on both the Voyager UTP Local & Remote units

This mode will support most, but not all, serial mice and trackball devices.

In most cases, we recommend that you use PS/2 mouse devices with the Voyager UTP extender. If you have a PC that does not have a PS/2 mouse port, then use a PS/2 Mouse on the remote unit and use a PS/2 to Serial mouse converter (2146-00C) on the Voyager Local Unit to connect to the PC

**Note:** The drivers supplied with certain Wacom Graphics Tablets dynamically alter the baud rate and cannot be used with a Voyager UTP Extender system. There is a version of the driver available with a fixed baud rate. Please contact Technical Support for more information.

## Hardware Flow Control

The daughterboard's in both Local and Remote units have a series of jumpers which allow the selection of alternative hardware flow control schemes across the CAT5 link. Most applications will not require hardware flow control across the link, and therefore the flow control jumpers are set to loopback by default and should not need adjustment.

The following diagrams show how the jumpers may be set for various flow control schemes. Please contact Technical Support if you are unsure about serial port handshaking methods.

<p>RTS CTS DTR DSR</p> <p><b>No hardware Handshaking</b></p>	<p>RTS CTS DTR DSR</p> <p><b>RTS/CTS &amp; DTR/DSR Loopback – default</b></p>	<p>RTS CTS DTR DSR</p> <p><b>DTR/DSR Flow Control across CAT5 Link</b></p>
<p>RTS CTS DTR DSR</p> <p><b>RTS/CTS Loopback DTR/DSR Flow Control (Printer)</b></p>	<p>RTS CTS DTR DSR</p> <p><b>RTS/CTS Flow control across CAT5 Link (Serial Mouse)</b></p>	<p>RTS CTS DTR DSR</p> <p><b>DTR/DSR Loopback RTS/CTS Flow control</b></p>

Figure 4 Flow Control Jumper Settings.



# DAXTEN®

THE BRAINS BEHIND  
KVM SWITCHING & SHARING

[www.daxten.com](http://www.daxten.com)

---

#### Ireland

Bay 21  
Free Zone West  
Shannon, Co. Clare  
[info.ie@daxten.com](mailto:info.ie@daxten.com)  
[www.daxten.ie](http://www.daxten.ie)  
Tel: +353 (0) 61 23 4000  
Fax: +353 (0) 61 23 4099



#### Österreich

Künstlergasse 11/4  
A-1150 Wien  
[info.at@daxten.com](mailto:info.at@daxten.com)  
[www.daxten.at](http://www.daxten.at)  
Tel: +43 (0)1 879 77 65  
Fax: +43 (0)1 879 77 65 30



#### España

C/Florian Rey, 8  
50002 Zaragoza  
[info.es@daxten.com](mailto:info.es@daxten.com)  
[www.daxten.com.es](http://www.daxten.com.es)  
Tel: +34 902 197 662  
Fax: +34 976 201 633



#### USA

811 W. Evergreen Ave  
Suite 302A  
Chicago, IL 60622  
[info.us@daxten.com](mailto:info.us@daxten.com)  
[www.daxten.us](http://www.daxten.us)  
Tel: +1 312 475 0795  
Fax: +1 312 475 0797



#### Deutschland

Salzufer 16, Geb. B  
10587 Berlin  
[info.de@daxten.com](mailto:info.de@daxten.com)  
[www.daxten.de](http://www.daxten.de)  
Tel: +49 (0) 30 8595 37-0  
Fax: +49 (0) 30 8595 37-99



#### Sweden

[info.se@daxten.com](mailto:info.se@daxten.com)  
[www.daxten.se](http://www.daxten.se)



#### Denmark

[info.dk@daxten.com](mailto:info.dk@daxten.com)  
[www.daxten.dk](http://www.daxten.dk)



#### United Kingdom

5 Manhattan Business Park  
Westgate  
London W5 1UP  
[info.uk@daxten.com](mailto:info.uk@daxten.com)  
[www.daxten.co.uk](http://www.daxten.co.uk)  
Tel: +44 (0) 20 8991 6200  
Fax: +44 (0) 20 8991 6299



#### Schweiz

Seebahnstr. 231  
8004 Zürich  
[info.ch@daxten.com](mailto:info.ch@daxten.com)  
[www.daxten.ch](http://www.daxten.ch)  
Tel: +41 (0) 43 243 32 11  
Fax: +41 (0) 43 243 32 16



#### France

B.P 04 - 77  
Route de Cheptainville  
91630 Marolles-en-Hurepoix  
[info.fr@daxten.com](mailto:info.fr@daxten.com)  
[www.daxten.fr](http://www.daxten.fr)  
Tel: +33 (0)1 64 56 09 33  
Fax: +33 (0)1 69 14 88 34

