

Installation Guide for the Serial Buffer II Module

Printer Set-Up

The Serial Buffer II Module should work with any Epson Printer that supports a Universal Interface Board. The default Host communication parameters are: **9600 baud, 8 bits, 1 stop, no parity, & 4K Buffer.**

♦ Installation of the Serial Buffer II Module

1. Disconnect all power and connected cables from the Epson Printer.
2. Remove the access cover (if there is one) from the printer.
3. Remove the existing interface board from the printer – two screws.
4. Insert the SBMII module into the printer – replacing the board just removed. Insure that the connector aligns properly and push the module in to 'seat' it. Screw in the two mounting screws through the faceplate of the SBMII.
5. Attach the Serial Communication Cable from the Host Computer to the Printer.
6. Re-attach the access cover (if it exists).
7. Reconnect the power cable to the Printer.
8. Power on the printer and run a configuration report. A configuration report shows that the printer, module and firmware are all installed and operating correctly and, will show how the communication parameters are set. To obtain a configuration report:
 - U200 printer, press the feed button 3 times – AFTER power on, and the paper feeds one line.
 - For all other printers, open the paper cover, press the feed button, and close the cover.

♦ Epson Dip-Switch Settings – **THESE MUST BE SET CORRECTLY**

Epson TM-U200 Printer

Switch	Function	Position
1-2	Receive Buffer	OFF – 1K bytes
1-3	Handshaking	OFF – DTR/DSR
1-4	Word Length	OFF – 8 bits
1-5	Parity Check	OFF – No
1-7	Baud Rate	OFF – 9600
2-3	I/F Pin 6 Reset	OFF – Disabled

Epson TM-88, TM-H5000 & TM-U325 Printers

Switch	Function	Position
1-2	Receive Buffer	OFF – 4K bytes
1-3	Handshaking	OFF – DTR/DSR
1-4	Word Length	OFF – 8 bits
1-5	Parity Check	OFF – Disabled
1-7	Baud Rate	ON – 9600
1-8	Baud Rate	OFF – 9600
2-7	I/F Pin 6 Reset	OFF – Disabled

HOST – MODULE COMMUNICATION SPEED & SIZE JUMPER SETTINGS – **MANUAL OPERATION ONLY**

To manually force/set the baud rate or the Buffer size, for Host – Module (Printer) communications, **JP2 must be ON.**

Baud Rate	Jumper 4 (JP4)	Jumper 5 (JP5)	Jumper 6 (JP6)	JP3 ON	JP3 OFF
300	ON	ON	ON	8K Buffer	4K Buffer
600	OFF	ON	ON	8K Buffer	4K Buffer
1200	ON	OFF	ON	8K Buffer	4K Buffer
2400	OFF	OFF	ON	8K Buffer	4K Buffer
4800	ON	ON	OFF	8K Buffer	4K Buffer
9600	OFF	ON	OFF	8K Buffer	4K Buffer
19200	ON	OFF	OFF	8K Buffer	4K Buffer
38400	OFF	OFF	OFF	8K Buffer	4K Buffer

JP1 is used for Factory Diagnostics

