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Super Serial Card: Configuring for ImageWriter I (11/96)

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Security: Everyone

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TOPIC -----

The following describes the connection between the Super Serial Card and the 10-inch and 15-inch Imagewriters.

DISCUSSION -----

Install the Super Serial Card into slot 1, which is the left most slot when facing the front of the computer. If slot 1 is occupied, any other slot except AUX is usable.

On the Super Serial Card there is a removable block of pins with a triangle on its top face. Make sure this jumper block is plugged into its socket so that the triangle points to the word TERMINAL printed on the card.

This configuration, called modem elimination, compensates for the standard RS-232-C pin assignments so that the internal cable of the SSC can transmit signals to the Imagewriter through the appropriate pins.

SSC Switch Settings

SW1:	1	2	3	4	5	6	7	SW2:	1	2	3	4	5	6	7
				X	X X				X		X X				(ON)
	X X X	X								X X		X X			(OFF)

Switch 1

- * 9600 baud (1-4)
- * Printer Mode (5-6)
- * Normal Clear To Send (7)

Switch 2

- * 8 data bits and 1 stop bit (1)
- * No delay after CR (2)
- * Video off (3)
- * 132 character line (4)
- * Auto-LF after CR (5)
- * Disabled ACIA-CPU interrupts (6)
- * Normal Clear To Send (7).

* No parity is set automatically in the Printer Mode.

Cable pinout

Super Serial Card (SSC)	Pin	Cable	Pin	Imagewriter Connector
Frame Ground	(FG).....	1	<----->	1.....(FG)
Transmit Data	(Tx)	2	<----->	2.....(Tx)
Receive Data	(Rx)	3	<----->	3.....(Rx)
Request to send	(RTS)	4	<----->	4.....(RTS)
Clear To Send	(CTS)	5		
Data Set Ready	(DSR)	6		
Signal Ground	(SG).....	7	<----->	7.....(SG)
Data Carrier Detect	(DCD)	8		
Secondary Clear To Send	(SCTS) ...	19		
Data Terminal Ready	(DTR)	20	<----->	20.....(DTR)

Imagewriter Switch Settings

SW1:	8	7	6	5	4	3	2	1	SW2:	4	3	2	1	
				X	X							X	X	(CLOSED)
		X	X			X	X	X	X		X	X		(OPEN)

Switch 1

- * U.S. character set (SW1: 1-3)
- * 66-line page length (4)
- * Ignored 8th bit (5)
- * Elite pitch (6-7)
- * Auto-LF after CR (8)

Switch 2

- * 9600 baud (SW2: 1-2)
- * DTR data protocol (3)
- * Unknown (4).

To verify the connection, turn on the computer, video monitor, Imagewriter and wait for the Applesoft prompt,], to appear on the monitor screen. Then type these two lines, ending each line with a carriage return:

```
PR#1          (if the card is in slot 1)
This is a test
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The Imagewriter should print "This is a test" and an Applesoft syntax error message (the error message means nothing during this test). However, if the printer does not print, recheck all connections, switch settings and retype the two test lines.

Article Change History:

26 Nov 1996 - Reviewed for technical accuracy, revised formatting.

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