



# Tech Info Library

## Apple Color Plotter: Configuring it to an Apple IIe

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Security: Everyone

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The following describes the connection between the Apple IIe and the Apple Color Plotter. DO NOT USE the High Speed Serial Card with the IIe.

### I. Apple IIe

#### 1. Super Serial Card (SSC)

##### A. Circuit Configuration

Near the internal cable (Part 590-0021) of the SSC 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.

##### B. IIe Motherboard Slot

- a. Preferred: Slot 1
- b. Range: Any slot EXCEPT AUX

##### C. SSC Switch Settings

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

These switch settings are for: 9600 baud (SW1: 1-4), Printer Mode (5-6), Normal Clear To Send (7), 8 data bits and 1 stop bit (SW2: 1), no delay after CR (2), video off with an 80 character line (3-4), no LF after CR (5), Disabled ACIA-CPU interrupts (6), and Normal Clear To Send (7).

No parity is set automatically in the Printer Mode.

II. The Connection

1. Cable

Serial and Communications Cable  
(Part 590-0037)

From			To		
Super Serial Card IIe Back panel DB-25 connector			Apple Color Plotter DB-25 connector		
signal	-	pin	wiring	pin	- signal
Frame Ground		1	<->	1	Frame Ground
Tx		2	<->	2	Tx
Rx		3	<->	3	Rx
RTS		4	<->	4	RTS
Signal Ground		7	<->	7	Signal Ground
DTR		20	<->	20	DTR

2. Signal

1. Levels from Super Serial Card:

- a. True (asserted): 0 volts
- b. False: +5 volts

III. Apple Color Plotter

1. Switch settings

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1 2 3 4 5 6 7 8
| | | | |X|X|X|X| (ON)
|X|X| |X| | | | | (OFF)

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These switch settings are for: 8 data bits (SW 1), no parity (SW 2), 1 stop bit (SW 4-5), 9600 baud (SW 6).

2. Test

- A. Set paper width to 8.5 inches or larger.
- B. Assemble and install pen head.
- C. Turn on Plotter and insert paper to paper set mark.

D. Press pen up/down (test) button.

Plotter will run automatic test routine.

Some applications may not give you all the features of the Apple Color Plotter.

Apple Technical Communications

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