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Parallel Interface Card: 3rd Party Printers (11/96)

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TOPIC -----

This article discusses connecting the Parallel Interface card to different 3rd party printers.

DISCUSSION -----

Epson FX 80

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General Settings

Parallel Interface

8 Data Bits

Linefeeds required

Epson DIP switches

Switch Bank 1

Switch bank 2

1 OFF

1 ON

2 OFF (see notes)

2 ON

3 OFF (see notes)

3 OFF

4 OFF

4 OFF (see notes)

5 OFF (see notes)

6 ON

7 ON

8 ON

Bank 1

Switch 2 is set for open zero character; for slashed zero, turn switch 2 on.

Switch 3 is set for continuous paper; for cut sheet, turn switch 3 on.

Switch 5 is set for normal density printing at power on; for emphasized printing, turn switch 5 on.

Bank 2

Switch 4 is set for computer generated carriage return linefeed; for carriage return only, turn switch 4 on.

Parallel Interface

All switches on the Apple interface card need to be set to factory default settings.

Cable Pinouts

Apple II Parallel	Epson
CABLE SHIELD	---- 1
5	----- 14
6	----- 13
8	----- 12
11	----- 9
12	----- 15
13	----- 16
22	----- 11
23	----- 10
15	----- 3
16	----- 22
4	----- 7
7	----- REMOVE PIN

Centronics 702 or 703

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The Centronics printer interface was originally designed to be used with the Centronics microP-1 printer. That printer required a control character to set it into 80-column mode. The firmware on the Centronics printer interface, PROM P9-00, sends a \$1D when ever it receives the <CTRL-I>80N command. This control character is part of a VFU command on a Centronics 702 or 703 and usually deselects the printer. The fix is to send a re-select code, but since the deselected printer doesn't return the Apple's handshake, the reselect will have to be POKEd to the interface, as follows:

```
100 FOR J = 1 TO 5
110 POKE -16256 + 16 * SL, 17
120 NEXT
```

Comrex CR-1 P

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Card	COMREX CR-1 P
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5	----- DB0-----2
6	----- DB1-----3
8	----- DB2-----4
11	-----DB5-----7

12-----DB6-----8
13-----DB7-----9
15-----STB-----1
16-----ACK-----10
22-----DB3-----5
23-----DB4-----6
24-----SG----- 16

Dip Switch settings

For Parallel card: All down except 4,5

For Comrex: all down except 8

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