INSTALLATION INSTRUCTIONS FOR
cPRINT INTERFACE

The Dresselhaus cPRINT interface connects an Epson RX or FX series printer to an Apple IIc computer. The interface consists of a circuit card that plugs into a socket inside the Epson printer and a 5' cable with connector which plugs into the printer port on the rear of the IIc computer. The only tool required for installation is a screwdriver.

IMPORTANT: Read through all installation instructions before beginning. If you feel that you are not qualified to perform this installation, please do not attempt it. Most dealers will install cPRINT interface for a nominal charge.
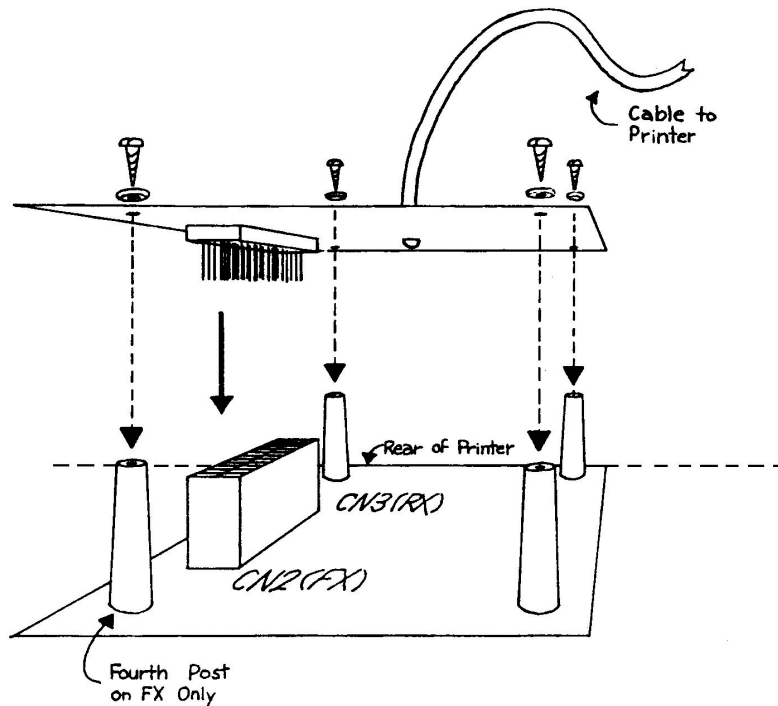
If you have any questions or problems during installation, please call (818) 914-5831 and ask for our Technical Services Department. We will be happy to help.

VERY IMPORTANT
Unplug printer from power before installing this interface.

A. Remove the top of the printer case. Refer to your printer manual for this procedure.

B. Locate the interface card connector on the printer circuit board (refer to figure below). Remove any screws that are in the white plastic support posts in the printer and plug the cPRINT interface card into the connector. Make sure that the mounting holes (4 on an FX printer, 3 on an RX) in the interface card are aligned with the holes on the white plastic support posts.

Cable to Printer

Rear of Printer

CN3 (RX)

CN2 (FX)

Fourth Post on FX Only

C. Using the supplied screws and washers, fasten down the cPRINT card. Remove the plastic door in the rear of the upper case to create an opening for the printer cable. Replace the top of the printer case.

D. Check that the slide switches on the cPRINT Interface board are positioned for enabled, standard mode (see Switch Settings Chart below).

E. Plug the cPRINT cable into the printer port on the IIc. You may now turn on your system and use your printer.

cPRINT Switch Settings Chart

Mode Sw   Cable   Disable Sw

Mode Sw	Cable	Disable Sw	
▯▮	0	▯▮	cPRINT disabled
▯▮	0	▮▯	cPRINT enabled std mode
▮▯	0	▮▯	cPRINT enabled alt mode

< Shown viewing rear of printer >

cPRINT Modes

cPRINT can be setup to operate in either of two modes, standard or alternate, depending on what software you are using. You will have to experiment to find the correct mode for each piece of software you use. Start with the standard mode for most printing. If your printing comes out as italics, switch off the printer, move the switch to the alternate mode position, and turn the printer on again. Your printer will then work correctly.

Using your printer with other computers

cPRINT Interface can be disabled by moving the switches to the disabled position (See Switch Settings Chart above). You can then connect another computer to the parallel connector on the printer. You do not need to disconnect the cable to the IIc.
To again use your IIc, turn off the printer, disconnect the other computer from the printer, and reset the switches on cPRINT to the enabled position.

IMPORTANT:
All switching and connecting should be done with the printer
power OFF.

TROUBLESHOOTING GUIDE

Problem:
Printer does not print

Possible causes:
1. The software is not set to send data to the printer.
    Check your software manual.

2. cPRINT is not enabled.
    Check cPRINT switch positions.

3. Switch positions were changed while printer was powered up.
    Turn the printer off, then on.

4. Another computer is connected to the parallel connector on
    the printer.   Turn off printer, disconnect the other
    computer.

5. The printer is not "on-line".

6. Printer is out of paper.

Problem:
Printer is printing gibberish.

Possible causes:
1. Mode switch is set to alternate, should be standard mode.

2. Software is sending printer codes not compatible with Epson
    printers.

3. The printer serial port on the IIc is not set to standard
    values (9600 baud, 8 bit word, no parity, hardware handshake).

Problem:
Printer prints everything in italics.

Possible cause:
1. Mode switch is set to standard mode, should be alternate.
    Turn off printer, set switches for alternate mode, turn on
    printer again, and resume printing.

Technical Information

The cPRINT interface creates a serial connection between the printer and the Apple IIc computer with the following characteristics:

9600 baud, 8 bit word, no parity, hardware handshake

The mode switch selects whether cPRINT ignores the high order bit as is required for compatibility with certain software.

Note regarding Apple IIc Software

Some programs written for the original Apple II family expect a parallel printer card and will not work with the Apple IIc's serial printer port. Most software companies are releasing new versions of their programs that are IIc compatable. If your program will not print, check with the software manufacturer to be sure that their software is compatible with the IIc and Epson printer.

Limited Warranty

Dresselhaus Computer Products warrants this product against defects in material and workmanship for a period of one year from date of original purchase. During the warranty period, Dresselhaus Computer Products will repair or replace, at no charge, any defective cPRINT interface provided it is returned to the address printed below.

If this product proves defective in material or workmanship, your sole remedy shall be the repair or replacement of the defective unit. Under no circumstances will Dresselhaus Computer Products be liable for any loss or damage, direct, indirect, or consequential, arising out of the use of, or inability to use, this product.

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