



Tech Info Library

Apple IIC: Serial port interfacing (1 of 2)

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Security: Everyone

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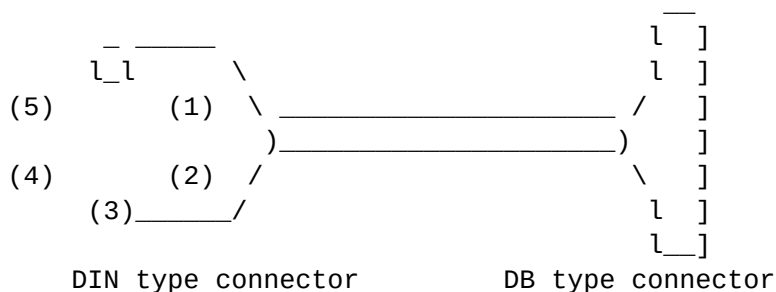
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This article last reviewed: 21 April 1988

The Apple IIC serial ports are 5-pin DIN connectors. Both Port 1 (Printer) and Port 2 (Modem) have the same pin-out and signal description. Here are the cable descriptions for connecting them to the Imagewriter and the Apple Modem.

Apple IIC Serial Port - Imagewriter - Apple Modem

DTR (1)	6 - DSR	6 - DTR
TXD (2)	3 - RCD	9 - TXD
GND (3)	7 - GND	3 - GND
RCD (4)	2 - TXD	5 - RCD
DSR (5)	20 - DTR	2 - DSR



Setting up the printer port from within a program on the IIC is essentially the same as changing the settings on previous interface cards: after first directing output to the serial port (using PR#1 and PR#2 for Ports 1 and 2, respectively), the commands can then be sent to the serial port. Each command for Port 1 must be preceded by CTRL-I. The commands for Port 1 are:

Cmd Description

nnn Set line width(from 001 through 255): This command must be followed by an 'N' or a <CR>.

nnB Set baud rate to value corresponding to nn.

nn	Rate	nn	Rate
01	- 50	09	- 1800
02	- 75	10	- 2400
03	- 110	11	- 3600
04	- 135	12	- 4800
05	- 150	13	- 7200
06	- 300	14	- 9600
07	- 600	15	- 19200
08	- 1200		

nB Set Data Format to values corresponding to n.

n - Format

0	8 data 1 stop
1	7 data 1 stop
2	6 data 1 stop
3	5 data 1 stop
4	8 data 2 stop
5	7 data 2 stop
6	6 data 2 stop
7	5 data 2 stop

I Echo output to screen.

K Disable <LF> after <CR>.

L Generate <LF> after <CR>.

nP Set Parity corresponding to n.

n - Parity

0	none
1	odd
2	none
3	even
4	none
5	mark (1)
6	none
7	space (0)

R Reset Port 1 and exit from serial port 1 firmware.

S Send a 233 millisecond Break character

Z Zap (ignore) further command characters (until CTRL-Reset or PR#1). Do not format output or insert carriage returns into output stream.

