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Apple IIGS: Changing settings of the serial ports

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Security: Everyone

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Changing the software settings of the serial ports for either data format or parity disables buffering, often used during access of bulletin boards. If a program changes the settings for Data Format (bits per character) or Parity, the program should re-enable buffering.

To change through software the baud rate from 1200 to 300 on the serial port, use nnB, the command in the Technical Introduction to the Apple IIGS, Page 35. The baud rate change will not show up in the control panel. The control panel displays the settings that are saved in firmware.

If you are using the Printer port, the control character is a Control-I. If you are using the modem port, the control character is a Control-A. Use the following numbers for the baud rates.

n Baud Rate

0 Default (as set in Control Panel)	
1	50
2	75
3	110
4	134.5
5	150
6	300
7	600
8	1200
9	1800
10	2400
11	3600
12	4800
13	7200
14	9600
15	19,200

For example, the following program changes the baud rate from 1200 to 300 under software control.

```
10 D$=CHR$(4):I$=CHR$(1)
20 PRINT D$;"PR#2"
30 PRINT I$;"8B": REM ENSURE 1200 BAUD
40 PRINT"This is a test of 1200 Baud"
50 PRINT I$;"6B": REM SET UP 300 BAUD
60 PRINT" This is a test of 300 Baud"
70 PRINT D$;"PR#0"
80 END
```

To verify that the baud rate is changing, run this program after connecting another system to the modem port. Depending on the baud rate for that receiving system, one of the sentences sent will not be legible.

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