



# Tech Info Library

## GPi: Some Macintosh Models Do Not Support It (5/96)

Revised: 5/9/96  
Security: Everyone

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TOPIC -----

We have recently discovered that pin 7 of the serial port on a Macintosh LC II is not connected to the main logic board. This appears to be an intentional design. This causes a problem running a super-fast modem, where the handshaking that the GPi (General Purpose Input) line provides is needed. Is there a way to connect this line, and if so how?

DISCUSSION -----

Some Macintosh models use a custom Apple chip (the Apple Combo Chip) for serial communication functions. The chip combines the functions of the 8550 (SCC) and the 53C80/53C96 (SCSI) into a single chip. This chip does not have GPi capabilities, so the computers that use it have no GPi functionality.

### The Macintosh Models Affected

- Classic, Classic II, Color Classic
- Macintosh LC, LC II, LC III, LC 475, LC 520, LC 57x family
- Performa 200, 400, 405, 430, 450, 600
- Macintosh IIsi
- Macintosh IIfx, IIfx
- Quadra 605
- Macintosh 630 family
- Macintosh PowerBook family

The following computers are in the Macintosh 630 family: Performa 630, Performa 635, Performa 636, Performa 637, Performa 638, LC 630, and Quadra 630.

### Article Change History:

- 09 May 1996 - added PowerBook family.
- 24 Mar 1995 - Corrected list of Macintosh models without GPi.

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10 Feb 1995 - Added keyword; made minor technical updates.

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