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Macintosh Quadra 900: Function of Jumper Adjacent to DRAM

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TOPIC -----

There is a jumper located between the SIMM banks of the Macintosh Quadra 900. The jumper has two positions, 1M and 4M. If this is for connecting internal CD-ROM, why is the logic board silkscreened 1M and 4M? If it isn't for connecting CD-ROM, what is it for and when would it be changed between the two settings?

DISCUSSION -----

The jumper you are referring to on the Quadra 900's logic board is for stereo audio input, and would be used when installing and connecting an internal CD-ROM player's audio output to the logic board. Note that the 4 pins of this jumper, J16, are numbered 1 through 4 and as such are marked 1 and 4--not 1M and 4M.

When you install an internal CD-ROM player and intend to use it for audio, remove the two jumper blocks on the Quadra 900's logic board, then connect the audio cable from the CD-ROM audio-out to this jumper. If you are using an internal CD-ROM drive for digital information only, the jumpers may remain untouched and in place.

Incidentally, audio CDs played in the internal CD-ROMs wired this way may be heard through the system speaker or through any external speakers you may have connected to the external sound out, CDs and system beep and other system sounds will be heard through the speakers as well.

This integration of the audio signals into the computer provides three functions that are important for multimedia applications:

- Ability to play audio from the CD-ROM through the internal sound system
- Ability to mix audio from the CD-ROM with computer-generated sound
- Ability to perform digital recording of audio from the CD-ROM

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