



# Tech Info Library

## Macintosh LC III, Performa 450: 16-Bit Color in 512K VRAM (4/93)

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### TOPIC -----

This article describes a setting that enables the Macintosh LC III and Performa 450 to display images at 16 bits per pixel -- though with a smaller screen area -- without adding optional video RAM above the 512K included with the computer.

### DISCUSSION -----

The AppleColor High-Resolution RGB Monitor, Macintosh Color Display, and Macintosh 12" Monochrome Display can be set to display images of 16 bits per pixel with just the 512K of video RAM included with the Macintosh LC III and Performa 450. But to obtain the higher depth, the active screen area is reduced from the normal size 640 x 480 pixels to 640 x 400 pixels.

To turn on this option, open the Monitors control panel and click on the Options button. Choose the 640 x 400 pixel display mode, and restart the computer. The screen window will be at the same resolution as that of a PowerBook display, shorter at 400 pixels than in normal display mode. You can then set the monitor to thousands of colors, instead of the 256 colors available in 640 x 480 mode.

Adding the optional VRAM upgrade will allow the monitor to display thousands of colors in normal (640 x 480) pixel mode.

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