



# Tech Info Library

## Power Macintosh: Incorrect VRAM Causes 'Ghosted' Images (7/94)

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TOPIC -----

I just upgraded the VRAM on the video cards in four Power Macintosh 8100/80 systems which are being used with Sony 20" multisync monitors. After the upgrade, the display is normal at thousands of colors, but in millions of colors, there are "ghosted" images of each horizontal pixel (ghost image to the left, and 2 ghost images to the right of the actual objects). The same problem occurs with the mouse pointer. What is causing this problem?

DISCUSSION -----

It appears that you have installed two of the M5953LL/A VRAM upgrade kits on each video card. These are the incorrect VRAM kits. These kits contain two 256K SIMMs and can be used in the Power Macintosh 7100/66 and other CPUs which accept 256K VRAM SIMMs. The correct VRAM upgrade kit is M1311LL/A, which contains one 512K VRAM SIMM. The Power Macintosh 8100 video card requires four 512K VRAM SIMMs to upgrade from 2MB to 4MB VRAM.

The 2MB VRAM on the Power Macintosh AV cards is not expandable, therefore this issue should not arise with these cards. Reducing the monitor bit depth is typically a good method of testing whether a display problem is caused by a VRAM upgrade.

### Article Change History:

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