Sony MultiScan: Troubleshooting Ghosts

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TOPIC ---

This article describes troubleshooting techniques for clearing video "ghosts" from a Sony Video Graphic MultiScan Projector Model # VPH-1030Q1 attached to a Macintosh II, RGB 8-bit AppleColor Monitor.

DISCUSSION ---

Usually a ghosting image appears because of transmission problems. Such problems are usually because of the cables. Causes include:

- The cable not having enough grounds connected

- A poor ground connection

- Poor shielding on the cable

- Cable length extended too far (depending on the cable and signal). In this case, the cable should be no longer than 50 feet, if at all possible.

First, check the cables. If that doesn't solve the problem, consider these three possibilities:

- All of the video grounds from the Macintosh II video card should be connected to the grounds on the projector.

- The best type of cable is RG-59 75-ohm cabling.

- The Sony 1031Q supports a multiscan ability of up to 36 KHz for horizontal. This is more than enough for our 34 KHz horizontal signal. The bandwidth will cause a blurring if it is much less than 20 MHz, and would be best at 30 MHz.

There are ten open ground pins for connection on the RGB2 connector. Four of these should be used for pins 1, 4, 6, and 11 of the Macintosh II card. Leave pin 9 of 1031 RGB2 connector open for analog video input.

The pin connection should be as follows:

Macintosh II video card	1031Q RGB2 connector
1 (ground)	15
2 (red)	6
4 (ground)	16
5 (green & composite sync)	5
6 (ground)	17
9 (blue)	4
11 (ground)	18

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