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Using Sony Monitors With Display Card 8/24GC

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TOPIC -----

I want to use the Sony MultiScan CPD-1304 monitor with the new Display Card 8/24GC. Will this work?

DISCUSSION -----

If the CPD-1304 monitor works with the Macintosh High-Resolution Video Card (the current 8-bit display card), there won't be any problem with the Display Card 8/24GC signals driving the Sony CPD-1304. (We have not been able to verify that the CPD-1304 monitor works with the Macintosh High-Resolution Video Card, but we do know that Sony's CPD-1302 monitor works with that card.) However, you will need to use a different cable to connect the two devices because the cards have different connectors.

An issue with regard to the cable concerns the sense pins, which tell the card what type of monitor is attached. For the Sony CPD-1302 monitor, the sense pins should be configured as below, where 0 = Ground and 1 = Not Ground. To ground a sense pin, tie it to the C&VSYNC.GND signal.

Sense pins			Hor x Vert	Dot	Vert	
10	7	4	Display	Pixels	Clock	Refresh
1	1	0	12" Monochrome Monitor	640 x 480	30.24	66.7
			13" Color Monitor			

Here are the pinouts for the Macintosh Display Card 8/24GC:

Pin	Signal	Description
1	RED.GND	Red Video Ground
2	RED.VID	Red Video
3	CYSNC~	Composite Sync
4	MON.ID1	Monitor ID, Bit 1 (also known as SENSE0)
5	GRN.VID	Green Video
6	GRN.GND	Green Video Ground
7	MON.ID2	Monitor ID, Bit 2 (also known as SENSE1)

8 nc (no connection)
9 BLU.VID Blue Video
10 MON.ID3 Monitor ID, Bit 3 (also known as SENSE2)
11 C&VSYNC.GND CSYNC & VSYNC Ground
12 VSYNC~ Vertical Sync
13 BLU.GND Blue Video Ground
14 HSYNC.GND HSYNC Ground
15 HSYNC~ Horizontal Sync
Shell CHASSIS.GND Chassis Ground
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