# Tech Info Library

## Using Sony Monitors With Display Card 8/24GC

```
Revised:        6/29/90
Security:       Everyone
```

Using Sony Monitors With Display Card 8/24GC

=======================================================================

This article last reviewed: 21 May 1990

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<br>13" Color Monitor | 640 x 480 | 30.24 | 66.7 |

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
```

Tech Info Library Article Number:5530