# Tech Info Library

## Duo Docks: Multiple Scan Resolution Switching (1/96)

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Revised:         1/8/96
Security:        Everyone
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Duo Docks: Multiple Scan Resolution Switching (1/96)

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Article Created: 21 April 1995
Article Reviewed/Updated: 8 January 1996

TOPIC -------------------------------------------------------------

I have a PowerBook Duo 280c with a Duo Dock with 1Mb of VRAM and PowerBook Duo
enabler 2.0. I have the Dock connected to a Multiple Scan 17 Display. However, I
cannot use any resolutions other than 640x480.

DISCUSSION --------------------------------------------------------

The release of System Software (7.1.1 or 7.5) makes a significant difference
when a Duo is inserted into an original Duo Dock.  In comparison, the Duo Dock
II offers multiple resolutions, when either version of System Software (7.1.1
and PB Duo Enabler 2.0, or 7.5) is installed.

In an original Duo Dock with System Software 7.1.1, the additional VRAM offers
additional colors, but not additional resolutions. In order to access additional
resolutions on the Multiple Scan 17 Display, you either need a display adapter
(because the Dock does not recognize the sense pins on the monitor cable), or
you need the newer version of System Software, version 7.5.

I tested with one such adapter and while it allows for a higher resolution, it
does not allow for switching of resolutions "on the fly".  Whatever resolution
you select on the adapter, is the only resolution available.

Display adapters do not increase the number of resolutions a Duo Dock can
handle, but they do give you access to all the resolutions that the Duo Dock can
support.  The highest resolution supported on the original Duo Dock is the
16-in. monitor resolution of 832 x 624.


Duo Dock with 1MB VRAM
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System   Display Adapter    Resolutions Supported

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7.1.1    NO                  640x480
7.1.1    Yes                 640x480, 832x624
7.5      NO                  640x480, 832x624
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Duo Dock II and Duo Dock Plus
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| System | Display Adapter | Resolutions Supported |
|--------|-----------------|------------------------|
| 7.1.1  | NO              | 640x480, 832x624, 1024x768, 1152x870 |
| 7.5    | NO              | 640x480, 832x624, 1024x768, 1152x870 |

Article Change History:
08 Jan 1996 - Added Duo Dock Plus information.

Support Information Services

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