Macintosh AV: NTSC Underscan with Multiple Scan Display (6/95)

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TOPIC ---

With the Macintosh Quadra AV series Quadra computers and the Apple Multiple Scan
17 or 20 Display, the Monitors control panel does not allow me to select a
resolution of 512x384. This makes it difficult to switch to output to an NTSC
device except in the 640x480 mode. Is there a way of doing this?

DISCUSSION --

The Multiple Scan Display software doesn't show the 512x384 (NTSC underscan)
resolution in the Monitors control panel, because the Multiple Scan Displays do
not directly support that resolution. The monitor's software patches the
Macintosh AV video ROM routines to enable the computers to do the dynamic
resolution switching.

Here are the steps required to get the NTSC underscan resolution of 512x384:

Macintosh Quadra AV Series
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Step 1

Open the Monitors control panel.

Step 2

If the Multiple Scan display is not set to 640x480:
   - Click the "Options..." button.
   - Change to the "Macintosh Hi-Res Display" resolution and click OK.

Step 3

Hold down the Option key on the keyboard and click the "Options..." button.

Step 4

Change to the 512x384 resolution and click OK.

Step 5

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Click OK to confirm that the smaller image appeared.


Step 6
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Change to "Display Video on Television" and click OK.


Step 7
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Click the "Switch" button to display the image on the Television.


NOTE:
The additional resolution options are available when the extensions are off
because the Multiple Scan Display software does not get loaded, so the video ROM
is not patched.



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Step 1
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Open the Monitors control panel. Click "Options..." button.


Step 2
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Choose "Display Video on Television" button and the "Upon Restart Display Video
on Television" button. Click "OK".


Step 3
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Click "Rearrange on Restart" radio button and close the Monitors control panel.


Step 4
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Restart.  Video will display on TV in 640x480 mode.


Step 5
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Open the Monitors control panel. Click "Options...".


Step 6
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Choose the "512x384" setting. Choose "Upon Restart Display Video on Television"
button. Click "OK". Click the "Rearrange on close" button and close the Monitors
control panel.



Article Change History:
09 Jun 1995 - Added Power Macintosh workaround.

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