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AppleVision 1710 Display: Convergence Discussion (4/96)

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TOPIC -----

My AppleVision 1710 Display manual mentions that I can change convergence in the AppleVision Setup software. What is convergence and how does it affect the picture being displayed on the screen?

DISCUSSION -----

Red, green, and blue signals in your display intersect, or converge, to create the colors you see on the screen. If convergence is not adjusted properly, the images or text on your screen may be blurred, or you may get a rainbow effect with several colors visible at the edges of the images on the screen. Over time, your display may be exposed to external magnetic fields, which may cause the color signals to converge less precisely, producing a less distinct image. You may adjust convergence to correct for a blurred image or to suit your personal preferences.

Before making adjustments to the convergence, first make sure the settings for height/width, position, pincushion, and rotation are correct.

You can click the convergence icon shown in the Geometry window to open the Convergence Control panel. When you do this, the screen background changes to a grid composed of red, green, and blue lines. First adjust the horizontal lines with the up and down arrows, and then adjust the vertical lines with the left and right arrows. When convergence is set properly, the lines are aligned vertically and horizontally. Click OK to save the setting.

IMPORTANT: Because of the slight curvature of the front glass and the central location of the RGB gun within the CRT assembly, convergence settings may appear correct at the center of the display but slightly off at the outer edges. Therefore, when you adjust convergence, adjust for the best overall color clarity.

NOTE: When Overscan is on, you cannot make changes to any of the Geometry selections, and the menu buttons and titles are dimmed. Turn Overscan off to make changes.

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