



Overview

The AppleColor RGB Monitor is the recommended colour monitor for the Apple IIGS personal computer, because it takes full advantage of the computer's advanced graphics capabilities.

Working with the high-resolution graphics modes of the Apple IIGS, the AppleColor RGB Monitor brings you stunning graphics in up to 256 colours at a time from a palette of 4,096 colours. For text-intensive applications, it can also display crisp, clear 80-column text on its 12-inch screen, so you'll need just one monitor for all your Apple IIGS applications.

Features

- High-resolution 12-inch analog RGB colour
- Colour or monochrome 80-column text
- Direct connection to the computer

Benefits

- Displays any of the 4,096 colours generated by the Apple IIGS
- Provides higher resolution than composite colour monitors, for sharp images across the full range of colours
- Produces crisp text as well as graphics, so you don't need separate monitors to get the most from all your applications
- Plugs directly into the RGB video output of the Apple IIGS; no adapters are required

Product Details

RGB Video

The AppleColor RGB Monitor uses the RGB (red-green-blue) colour standard, instead of the composite standard used in colour television sets and most computer monitors.

Composite colour combines all the video information coming from the computer. By contrast, the RGB standard uses separate

signals for the three primary colours used in colour video, so it can convey more information and produce higher-resolution images on the screen.

Additionally, the AppleColor RGB Monitor is an analog RGB device, so it provides a much wider range of colours than is possible with digital (TTL) RGB displays.

Technical Specifications

Picture tube

- 12-inch diagonal (11.5-inch viewable area)
- High-contrast black matrix

Display capabilities

- 640 dots horizontally by 200 dots vertically (when used with the Apple IIGS)

Dot pitch

- 0.37-millimeter tri-dot pattern

Active display area

- 200 mms horizontal by 150 mm vertical (remainder used for border)

Interface

- 15-pin D-style connector
- Direct connection to Apple IIGS via supplied cable; no adapter required

Input synchronization signal

- Composite vertical (field) and horizontal (line) pulses negative going, 3.0 volts (minimum) peak-to-peak into a 2,200-ohm termination

Input video signal

- Composite video signal, 1.0 (± 0.1) volt peak-to-peak negative, into 75-ohm termination

Video bandwidth

- Flat within 1.5 decibels to 6.5 megahertz
- Less than 3 decibels down at 8 megahertz

Scan rates

- 15.7 kilohertz horizontal
- 60 hertz vertical

Text display mode

- Up to 80 characters by 25 lines

Controls

- Side
Power on/off, Contrast, Brightness
- Rear
Horizontal hold, Vertical hold, Height

Electrical requirements

- Line voltage: 108 to 132 volts AC
- Frequency: 50 to 60 hertz

Power consumption

- Typical: less than 65 watts
- Maximum: 90 watts

Environmental requirements

- Operating temperature: 0° to 50° C (32° to 122° F)
- Maximum humidity: 90%
- Maximum altitude: 3,048 m (10,000 ft.)

Size and weight

- Height: 27.9 cm (11 in.)
- Width: 34.3 cm (13.5 in.)
- Depth: 40.6 cm (16 in.)
- Weight: 12.5 kg. (27.6lb)

Ordering Information

Apple Color RGB Monitor

With your order, you'll receive:

- AppleColor RGB Monitor
- *Owner's Guide*
- Video cable
- Limited warranty statement

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LD 2014/A

July 1990. Product specifications are subject to change without notice.