Apple Scanner

Overview

The Apple® Scanner enables Apple Macintosh® personal computer users to import graphics and images into a variety of software applications. This flatbed scanner and its accompanying AppleScan™ software give you a better and more intuitive way of scanning graphics and images, allowing you to create the best possible scanned images quickly and efficiently.

The Apple Scanner works with other Apple products—the Macintosh computer, the AppleFax™ Modem, and the LaserWriter® family of printers —to provide a powerful image-processing system.

The scanner was carefully designed to integrate not only with Apple products, but also with sophisticated third-party page layout and graphics programs.

The scanner and AppleScan software streamline the scanning process, greatly reducing the time needed to get an image to print the way you want it to look. For example, you don't need to re-scan the image every time you make setting adjustments. Also included with the scanner is HyperScan™ software, which enables you to create high-quality scanned images and incorporate them into HyperCard® stacks.

The Apple Scanner has a full range of enhancing controls, which let you adjust the contrast, brightness, gray map, and half-tone pattern of the scanned image. It supports three composition modes: line art, halftone, and gray scale. You can scan images at 75, 100, 150, 200, and 300 dots per inch. Together, these features give you complete control over the final appearance of the scanned image.

And when it's time to print the scanned image, you can rest assured you'll get the best possible output, because the scanner is compatible with all Apple printers.

Features		*Benefits*
Hardware	▷ Flatbed design	▷ Lets you scan a range of document sizes: letter (8.5 by 11 inches), A4, and legal (8.5 by 14 inches). ▷ Enables you to scan documents from bound originals, without having to alter the originals. ▷ Eliminates the need to line up your document as you would with a feed-through device. ▷ Reduces distortion in the scanned image because it prevents the original document from sliding during the scanning process.
	▷ Variable scanning resolution— 75, 100, 150, 200, and 300 dots per inch	▷ Lets you match the scanned image to the resolution of your Apple printer and AppleFax Modem.
	▷ Three composition modes: gray scale, line art, and halftone	▷ Lets you scan original documents of all composition types, producing the highest-quality results. ▷ Supports the display gray-scale capabilities of Macintosh II monitors. ▷ Ensures high-quality images for use in desktop publishing applications.
	▷ Gray-scale scanning	▷ Creates gray-scale images that can be processed using other applications with gray-scale capabilities. ▷ Provides high-quality images for display on Macintosh II monitors.
	▷ Full AppleFax Modem support	▷ When teamed with AppleScan software and an AppleFax Modem, provides a link to the worldwide installed base of facsimile machines.
	▷ Removable lid	▷ Lets you scan bulky documents that don't fit under the scanner's lid.
	▷ Industry-standard Small Computer System Interface (SCSI)	▷ Allows high-speed data transfer between the Apple Scanner and the Macintosh. ▷ Lets you daisy-chain as many as six additional SCSI devices.

Features		*Benefits*
Software	▷ Preview scan	▷ Allows you to select a portion or portions of an original document, eliminating the need to rescan the entire document each time you make an adjustment. ▷ Streamlines the scanning process and saves you time.
	▷ Settings dialogue	▷ Lets you sample the effects of changes to an image, so you can choose the desired settings before the entire image is scanned.
	▷ Brightness and contrast controls, choice of halftone patterns, and gray-map settings	▷ Allows you to be creative by giving you complete control over how the scanned image appears on the screen and how it looks when printed.
	▷ Selectable and user-definable halftone patterns	▷ Lets you control how the computer interprets, displays, and prints continuous-tone information, such as photographs.
	▷ Reduction/Enlargement capability	▷ Lets you enlarge or reduce an image to fit a desired field size.
	▷ Images stored in virtual memory	▷ Allows you to scan and manipulate images even if their file size exceeds the amount of memory available in the Macintosh.
	▷ Support for PICT, TIFF, and MacPaint file formats	▷ Ensures compatibility with graphics, painting, drawing, and page layout programs.
	▷ Bit editing	▷ Allows precise editing of highly detailed images.
	▷ Gray-map setting	▷ Allows you to enhance details of light or dark originals.

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System Requirements	To use the Apple Scanner and AppleScan software, you will need the following:	▹ A Macintosh Plus, Macintosh SE, or Macintosh II computer with at least 1 megabyte of memory. (You can increase the performance of the Apple Scanner by using it with a Macintosh that has more than 1 megabyte of memory.)	▹ A hard disk drive ▹ System file version 6.0 or later ▹ Appropriate SCSI cabling

Technical Specifications	**Characteristics** ▹ Scanner type: flatbed ▹ Maximum document size: 8.5 by 14 inches ▹ Interface: SCSI ▹ Dropout color: green ▹ Scanning speed: 20.4 seconds for a 300-dot-per-inch scan measuring 8.5 by 11 inches ▹ Scan mode selections: line art, halftone, gray scale ▹ Gray scale: 16 levels (4 bits per pixel) ▹ Scaling: from 25 percent to 400 percent, depending on output resolution	▹ Output resolution: 75, 100, 150, 200, and 300 dots per inch ▹ Contrast levels: up to 8 (specified by user) ▹ Brightness levels: up to 16 (specified by user) ▹ Threshold values: up to 16 (specified by user) ▹ Gray-map settings: more light detail, normal detail, more dark detail ▹ Halftone techniques: spiral, bayer, 2 x 2, line, user-definable patterns, and adaptive dithering to gray-scale data that has been scanned into the Macintosh	**Environmental requirements** ▹ Operating temperature: 32° to 104° F (0° to 40° C) ▹ Storage temperature: -40° to 149° F (-40° to 65° C) ▹ Relative humidity: 5% to 95% noncondensing **Electrical requirements** ▹ Line voltage: 120 volts AC ± 10% ▹ Frequency: 58 to 62 hertz **Size and weight** ▹ Height: 4.4 in. (11.2 cm) ▹ Width: 13.6 in. (34.5 cm) ▹ Depth: 21.8 in. (55.4 cm) ▹ Weight: 20.0 lbs. (9.1 kg)

Ordering Information	**Apple Scanner** Order No. A9M0337	With your order, you'll receive: ▹ Apple Scanner ▹ One Macintosh Apple Scanner disk including —AppleScan application program —AppleScan Resource utility —LaserWriter Resource utility	▹ One disk containing the HyperScan HyperCard stack ▹ Your Tour of the Apple Scanner disk ▹ User's guide ▹ Power cord ▹ Sample photograph ▹ Limited warranty statement