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System Software Version 7.0.1: New Features

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Article Change History

09/24/92 - REVIEWED

- For technical accuracy.

TOPIC -----

This article lists the new features of Macintosh system software, version 7.0.1.

DISCUSSION -----

System software version 7.0.1 supports the following new or revised features:

- Installer Script and CPU name support
- Memory control panel revisions
- Additional shutdown dialogs
- Revised Sound Manager
- Enhanced SANE routines
- Revised Brightness Control Panel
- Revised Network Control Panel to support on-board Ethernet
- Caps Lock indicator
- Revised low-power dialog messages
- Revised Portable control panel
- SCSI Disk Mode
- Battery DA modification

Memory Control Panel

The Memory Control Panel now supports a RAM disk on the Macintosh Portable, the PowerBooks, and the Quadra 700, 900, and 950. The RAM disk can only be used if the system has at least 3MB of memory.

Revised Shutdown Warning

A shutdown warning dialog appears on the PowerBook 140 and 170 and the Quadra 700 and 900 saying that you will lose all data in the RAM disk if you continue the shutdown. The dialog doesn't appear if there is no RAM disk, or if there are no files on the RAM disk.

NOTE: RAM disks on the Macintosh Portable and PowerBook 100 don't go away when the system is shut down. The warning is not needed on those computers.

Sound Manager Updates

The Sound Manager now supports the sound chips in the computers listed here. These computers use different sound chips, and the Sound Manager responds differently for each system.

Computer	Sound Input	Sound Output
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PowerBook 100	No	Mono
Macintosh Classic II	Yes	Mono
PowerBook 140	Yes	Stereo
PowerBook 170	Yes	Stereo
Quadra 700	Yes	Stereo
Quadra 900	Yes	Stereo

Enhanced SANE Routines

A significant System file change provides a new SANE package for the Macintosh IIsi (when FPU is installed), IIfx, IIci, PowerBook 140 and 170, and Quadra 700 and 900. The SANE changes the trap call to a JSR that points directly to the SANE code in the system heap, bypassing the trap dispatcher. This increases the performance up to two and one-half times for integer and 5 to 6 times for floating point.

Brightness/Contrast Control Panel

The Brightness control panel modification supports the Macintosh Classic II. This driver is used with the Macintosh Classic, Macintosh Classic II, and the original and backlit Macintosh Portables.

This control panel doesn't work with the PowerBook computers. The PowerBook software reads from the slider controls and adjusts the screen brightness based on those values. The Power Manager handles the screen update and checks the sliders.

Backlight Driver

The Backlight driver supports the PowerBook computers and the Macintosh Classic II. This driver gets data from the Brightness control panel for the Macintosh Portable and the Macintosh Classic II, and from the slider or knobs on the PowerBook computers.

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