

Chapter 7 Software Overview

This chapter lists the ROM changes necessary to support the Macintosh IIsx computer and defines the system software that is used.

The Macintosh IIsi ROM

The Macintosh IIsi computer uses a universal ROM that will run on any of the Macintosh II-family computers. At startup, the ROM code determines which hardware features are available on the Macintosh IIsi computer and configures itself to use those features. The changes applicable to the Macintosh IIsi ROM include

- additions to the universal code to support the Macintosh IIsi computer
- changes to the Start Manager to support the optional FPU
- addition of Sound Manager 7.0 (for sound output)
- new code (low-level routines) to support sound input
- changes to the video software to support Macintosh IIsi video modes
- enhancements to the ADB Manager to support the custom ADB microcontroller
- changes to support soft power control through the ADB microcontroller
- changes to support PRAM in the ADB microcontroller
- changes to support the RTC in the ADB microcontroller
- replacement of the old non-FPU SANE[®] package with a faster version
- additional diagnostic code to test the new hardware features

With the exception of the sound input routines described in Chapter 8, these software changes are effectively transparent to application software developers. Existing applications should work with the Macintosh IIsi computer if they adhere to the toolbox routines and do not attempt to address the hardware directly.

System software

At introduction, the Macintosh IIsi computer will be supported by system version 6.0.6 software. This version includes features such as an enhanced sound cdev, Sound Manager extensions, Gestalt changes, and so on to support the new hardware. When system software version 7.0 ships, it will also support the Macintosh IIsi ROM.