# Chapter 2 Macintosh LC Software

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

## The Macintosh LC ROM

The Macintosh LC ROM is a derivative of the Macintosh IIci ROM with necessary modifications to support the features of the Macintosh LC computer.

The Macintosh LC ROM includes

- changes to the Start Manager to support ROM overlay, machine identification, initialization of the VIA, and feature checking

- support for memory decode and addressing

- support for the new implementation of ADB, RTC, and PRAM

- support for the new implementation of a 1-second interrupt

- support for the new RAM-based video

- support for an FPU and replacement of the old SANE package with new improved SANE floating-point packages

- addition of a new Sound Manager to support sound output and the new sound input feature

- addition of a net boot driver and minor changes to the Start Manager to support network booting

With the exception of the new sound input routines described in Chapter 3, the ROM changes are effectively transparent to application software developers.

Existing applications should work with the Macintosh LC computer if they adhere to the toolbox routines and do not attempt to address the hardware directly.

## System software

The Macintosh LC computer will ship initially with system software version 6.0.6. This version of the software includes features such as an enhanced sound cdev, Sound Manager extensions, installer scripts, Gestalt changes, and bug fixes for all CPUs. When system software version 7.0 ships, it will also support the Macintosh LC ROM.