
The speaker

The Apple IIe has a small loudspeaker in the bottom of the case. The speaker enables Apple IIe programs to produce a variety of sounds that make the programs more useful and interesting. The way programs control the speaker is described in Chapter 2.

The power supply

The power supply is inside the flat metal box along the left side of the interior of the Apple IIe. It provides power for the main board and for any peripheral cards installed in the Apple IIe.

The power supply produces four voltages: +5V, -5V, +12V, and -12V. It is a high-efficiency switching supply; it includes special circuits that protect it and the rest of the Apple IIe against short circuits and other mishaps. Complete specifications of the Apple IIe power supply appear in Chapter 7.

Warning	The power switch and the socket for the power cord are mounted directly on the back of the power supply's metal case. This mounting ensures that all the circuits that carry dangerous voltages are inside the power supply. Do not defeat this design feature by attempting to open the power supply.
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The circuit board

All the electronic parts of the Apple IIe are attached to the circuit board, which is mounted flat in the bottom of the case.

Figure 1-5 shows the main integrated circuits (ICs) in the original and enhanced Apple IIe's. They are the central processing unit (CPU), the keyboard encoder, the keyboard read-only memory (ROM), the two interpreter ROMs, the video ROM, and the custom integrated circuits: the Input Output Unit (IOU), the Memory Management Unit (MMU), and the Programmed Array Logic (PAL) device.