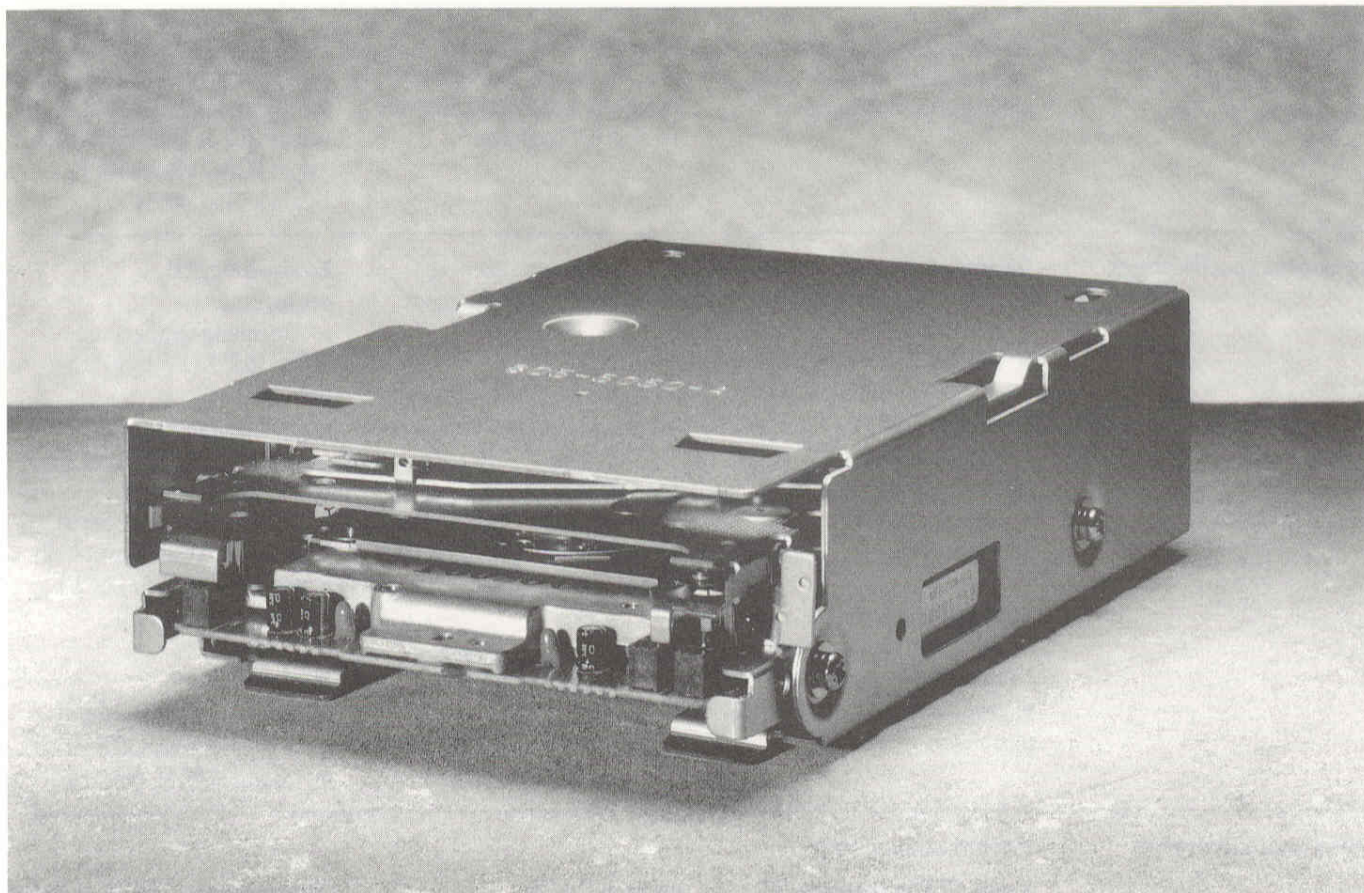


Apple FDHD Internal Drive Upgrade



Overview

The Apple® FDHD™ Internal Drive Upgrade is ideal for Macintosh® II and Macintosh IIfx computer users who desire maximum internal floppy disk storage—coupled with the capability of exchanging information between Macintosh files and MS-DOS, OS/2, and ProDOS® files. The FDHD Internal Drive provides nearly twice the capacity of standard 800K disk drives. In addition to formatting, reading from, and writing to Apple 400K, 800K, and 1.4-megabyte disks, the FDHD drive is capable of formatting, reading from, and writing to MS-DOS 720K, 1.44-megabyte, and compatible 3.5-inch disks.

Features

► Compatible with Macintosh, MS-DOS, OS/2, and ProDOS formatted disks

► Internal drive

► Uses high-density double-sided 3.5-inch floppy disks

► High-Density Disk Detector

Benefits

► Can read from and write to Macintosh 400K and 800K (GCR) disks, as well as MS-DOS 720K and 1.44-megabyte (MFM) disks.
► Allows Macintosh II users to work with files stored on MS-DOS 720K or 1.44-megabyte MFM disks, using the Apple File Exchange utility.

► Saves desk space.

► Provides almost twice the capacity of on-line data storage available from 800K disks.
► Holds large data files and applications on one disk, reducing the need to swap disks.
► Protects data, because disks are rugged and easy to carry.

► Automatically formats to correct disk capacity (Apple 800K or 1.4-megabyte format, or MS-DOS 720K or 1.44-megabyte format).



Apple FDHD Internal Drive Upgrade

System Requirements

To use the Apple FDHD Internal Drive Upgrade, you will need the following:

Macintosh IIx users:

- ▶ A Macintosh IIx personal computer and System Software version 6.0 or greater

Macintosh II users:

- ▶ A Macintosh II personal computer, System Software version 6.0 or greater, and the Apple FDHD Macintosh II Upgrade Kit (M6051)

Technical Specifications

Recording media

- ▶ Disk diameter: 3.5 inches
- ▶ Recording surfaces: 2
- ▶ Number of cylinders: 80

Capacity

- ▶ Formatted data: 1.47 megabytes
- ▶ Unformatted data: 2.0 megabytes

Drive characteristics

- ▶ Seek time (track to track): 6 milliseconds maximum
- ▶ Settle time: 30 milliseconds maximum

- ▶ Drive startup time: 600 milliseconds maximum

Interface

- ▶ Apple proprietary interface (same as existing 800K drive)

Electrical requirements

- ▶ +12 volts
 - Typical: 185 milliamps
 - Peak: 600 milliamps
- ▶ +5 volts
 - Standby: 20 milliamps
 - Typical: 220 milliamps

Environmental requirements

- ▶ Operating temperature: 50° to 104° F (10° to 40° C) (ambient)
- ▶ Storage temperature: -40° to 140° F (-40° to 60° C) (no condensation)
- ▶ Relative humidity: 5% to 90% (with maximum wet-bulb temperature of 85° F [29° C] and no condensation)

Size

- ▶ Height: 1.60 in. (4.1 cm)
- ▶ Width: 4.16 in. (10.6 cm)
- ▶ Depth: 6.56 in. (16.7 cm)

Ordering Information

Macintosh IIx users:

Apple FDHD Internal Drive Upgrade

Order No. M0247

With your order, you'll receive:

- ▶ Apple FDHD Internal Drive Upgrade
- ▶ Limited warranty statement

Macintosh II users:

Apple FDHD Macintosh II Upgrade Kit*

*Dealer installation required.

Order No. M6051

With your order, you'll receive:

- ▶ Apple FDHD Internal Drive Upgrade
- ▶ A set of four individual ROMs
- ▶ SWIM integrated circuit
- ▶ System Software version 6.0 or greater
- ▶ Limited warranty statement