



AppleCD300



The new high-performance AppleCD 300 drive is the perfect tool for accessing the world of CD-ROM and multimedia.

Designed for use with the Apple Macintosh personal computer, the AppleCD 300 spins at twice the speed of ordinary CD-ROM drives to give you much faster access to the tremendous amount of information stored on CD-ROM discs. So it's easier than ever to work efficiently with the wealth of commercially available reference libraries, software, databases, clip art/graphics collections, educational programs, and games. In addition, the faster spin speed of the AppleCD 300 means smoother playback of your QuickTime movies, video, and animation.

But the AppleCD 300 is not just a faster drive, it's also a far more versatile one. With the support of QuickTime, for instance, it can

read the new multi-session Kodak Photo CD discs. Take your original film, negatives, or slides to designated Kodak centers for conversion into high-quality images onto a Kodak Photo CD disc. Then—because the AppleCD 300 can conveniently access Kodak Photo CD images—you can cut and paste them into your favorite word-processing, presentation, and graphics applications.

To give you access to the diverse library of CD-ROM titles, the AppleCD 300 is compatible with the industry-standard ISO 9660/High Sierra file formats, as well as with the Macintosh HFS. It is CD-ROM XA-ready and also supports other CD-ROM formats, such as CD+G and CD+MIDI. It not only plays standard audio CDs, but can also transfer CD digital audio data via the SCSI bus to your Macintosh for further editing.

AppleCD 300 Features

Performance

- > Operates at twice the speed of ordinary CD-ROM drives
- > Double-speed (300 KB/sec) data transfer rate
- > Average access time of 295 ms (in double-speed mode)
- > 256 KB buffer for faster data transfer

Compatibility

- > Fully compatible with Macintosh operating system software, including System 7 and QuickTime
- > Compatible with ISO 9660/High Sierra and Macintosh HFS formats
- > Supports multiple CD-ROM formats, including CD-ROM XA, multi-session Photo CD, CD+G, CD+MIDI
- > Plays standard audio CDs
- > CD digital audio data via SCSI

Ease of use

- > Set up and use in minutes—plug-and-play
- > Easy, cost-effective network access
- > Speed Select Switch software for choosing single- or double-speed operation

Reliability

- > Automatic lens cleaning and double front-loading door for better dust protection



AppleCD300

Technical Specifications

Playback medium

- > 12-cm optical disc installed in a CD caddy (any CD-ROM or audio compact disc is compatible)

Capacity

- > Mode 1: 656 MB
- > Mode 2: 748 MB
- > Recording surfaces: 1
- > Data/block (available to user), Mode 1: 2048 bytes
- > Data/block (available to user), Mode 2: 2336 bytes
- > Blocks per disc: more than 270,000

Audio playback

- > Playing time: more than 1 hr.
- > Frequency response: 20 to 20,000 Hz

Characteristics

- > Rotational speed
 - Normal speed (1X): 230 to 530 rpm
 - Double speed (2X)*: 460 to 1060 rpm
- > Average access time
 - Normal speed (1X): 360 ms
 - Double speed (2X): 295 ms
- > Data streaming rate, normal speed (1X)
 - Mode 1: 150 KB/sec
 - Mode 2: 171 KB/sec
- > Data streaming rate, double speed (2X)
 - Mode 1: 300 KB/sec
 - Mode 2: 342 KB/sec

*The symbol for increased performance——double the spin speed

> Block rate

- Normal speed (1X): 75 blocks/sec
- Double speed (2X): 150 blocks/sec
- > SCSI bus transfer burst rate (over one CD-ROM block): 25 MB/sec
- > Buffer size: 256 KB

Formats supported

- > Multi-session Kodak Photo CD (QuickTime required)
- > ISO 9660/High Sierra
- > Macintosh HFS
- > CD-ROM XA (requires additional ADPCM hardware to read compressed audio)
- > CD+G
- > CD+MIDI
- > Standard audio CDs
- > CD digital audio data via SCSI bus

Interfaces

- > One headphone jack (front panel)
- > Two SCSI 50-pin connectors for connection to the Macintosh and other SCSI devices (rear panel)
- > Two RCA audio output jacks for external amplifier or amplified speakers (rear panel)

Electrical requirements

- > Power requirements:
 - External: 100 to 240 V AC, 50/60 Hz
 - Internal: +5 V DC $\pm 5\%$, 12 V DC $\pm 10\%$
- > Power consumption:
 - External: 0.28 A AC (drive on)
 - Internal: 350 mA maximum for +5 V and 750 mA average, 1.5 A peak for +12 V

Operating environment

- > Temperature:
 - External: 41° F to 104° F (5° C to 40° C)
 - Internal: 41° F to 122° F (5° C to 50° C)
- > Relative humidity: 5% to 90% noncondensing

Non-operating environment

- > Storage temperature (6 mo.):
 - 22° F to 122° F (–30° C to 50° C)
- > Transportation temperature (72 hrs.):
 - 40° F to 149° F (–40° C to 65° C)
- > Relative humidity: 5% to 95% noncondensing

System requirements

- > A Macintosh SE or later model Macintosh personal computer
- > Macintosh system software version 6.0.7 or later
- > Depending on configuration, a separate SCSI system or peripheral cable (not included) is required

Size and weight

External:

- > Height: 1.96 in. (5.0 cm)
- > Width: 7 in. (17.75 cm)
- > Depth: 13.1 in. (33.4 cm)
- > Weight: 6.29 lb. (2.85 kg)

Internal:

- > Height: 1.68 in. (4.25 cm)
- > Width: 5.85 in. (14.85 cm)
- > Depth: 8.2 in. (20.82 cm)
- > Weight: 2.76 lb. (1.25 kg)

Ordering Information

AppleCD 300

Order No. M2710LL/A

- > AppleCD 300 Drive
- > CD caddy
- > Installation disk
- > QuickTime disk
- > CD-ROM disc collection
- > Power cord
- > Complete setup, learning, and reference documentation
- > Limited warranty statement

AppleCD 300i (internal)

Order No. 2711LL/A

- > All features included with the AppleCD 300
- > For use with Macintosh models with a half-height, 5.25-inch removable drive bay. Requires additional installation kit. Requires dealer installation.

AppleCD Caddy (box of 5)

Order No. M2705

Apple SCSI System Cable

Order No. M0206

Apple SCSI Cable Terminator

Order No. M0332LL/A

Apple SCSI Peripheral Interface Cable

Order No. M0207

Apple SCSI Cable Extender

Order No. M0208