AppleCD 300e Plus and 300i Plus: Technical Specifications (5/96)

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TOPIC ---

This article provides the technical specifications of the AppleCD 300e Plus and AppleCD 300i drive.

DISCUSSION ---

Technical Specifications
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Playback media

8- or 12-cm optical disc (any standard CD-ROM or audio compact disc is compatible)

Capacity

Mode 1: 656MB
Mode 2: 748MB

CD-audio playback

Maximum playing time: 74 minutes, 42 seconds
Frequency response: 20 to 20,000 Hz
Stereo at 44-kHz sample rate

CD-ROM playback characteristics

Average access time (1/3 stroke)
. —Normal speed (1X): 360 ms
. —Double speed (2X*): 290 ms
Data streaming rate, normal speed (1X)
. —Mode 1: 150 kilobytes per second
. —Mode 2: 171 kilobytes per second
Data streaming rate, double speed (2X)
. —Mode 1: 300 kilobytes per second
. —Mode 2: 342 kilobytes per second
SCSI bus transfer burst rate (over one CD-ROM block): 2.5 megabytes per second
Buffer size: 256K

*Note:

The symbol for increased performance—double the spin speed.

Formats supported

Multisession Kodak Photo CD
ISO 9660/High Sierra
Macintosh HFS
CD-ROM XA
CD+G
CD+MIDI
Standard audio CDs
CD digital audio data export via SCSI bus

Interfaces

- Two SCSI-2 peripheral 50-pin connectors for connection to the Macintosh and other SCSI devices (rear panel)
- Stereo audio output ports (RCA jacks) for external amplifier or amplified speakers (rear panel)
- Stereo headphone output port and front-panel volume control (external player only)

Electrical requirements

Power requirements:
—External: 100 to 240 volts AC, 50/60 Hz, 0.28 A maximum
—Internal: 5 volts DC, 350 mA maximum, 12 volts DC, 1.5 A maximum

Operating environment

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

Nonoperating environment

Storage temperature (6 mo.):
. —External: –22° to 122° F (–30° to 50° C)
. —Internal: 41° to 122° F (5° to 50° C)
Relative humidity: 5% to 90% noncondensing

System requirements

- A Mac Plus computer or later model
- System software version 6.0.7 or later
- A separate SCSI system or peripheral cable (not included)

Size and weight

External:
. —Height: 2.32 in. (5.9 cm)
. —Width: 6.22 in. (15.8 cm)
. —Depth: 13.1 in. (32.3 cm)
. —Weight: 5.73 lb. (2.60 kg)
Internal:
. —Height: 1.67 in. (4.25 cm)
. —Width: 5.83 in. (14.8 cm)
. —Depth: 8.25 in. (21.0 cm)
. —Weight: 2.10 lb. (0.95 kg)

Ordering Information

AppleCD 300e Plus (external)

Order No. M2918LL/A
. -AppleCD 300e Plus external CD-ROM player
. -Installation software
. -Multimedia Starter CD
. -Software Dispatch CD with software samples, demonstrations, and guided tours
. -Your choice of three free CDs from a list of best-selling titles
. -Power cord
. -Complete setup, learning, and reference documentation
. -Limited warranty

AppleCD 300i Plus (internal)

Order No. M3152LL/A
. -For use with Macintosh models with a half-height, 5.25-inch removable-drive bay. Requires an additional adapter kit and installation by an authorized Apple service provider.
. -AppleCD 300i Plus internal CD-ROM player
. -Complete learning and reference documentation
. -Limited warranty

AppleCD 300i Plus Adapter Kits

Note:
An adapter kit may be required to install the AppleCD 300i Plus internal player inside your Macintosh. Your authorized Apple service provider has the compatibility and adapter information necessary for the installation.

Apple SCSI System Cable
Order No. M0206LL/A

Apple SCSI Cable Terminator
Order No. M0332LL/A

Apple SCSI Peripheral Interface Cable
Order No. M0207LL/A

Apple SCSI Cable Extender
Order No. M0208LL/A

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17 Feb 1997- revised system requirements to include Mac Plus.
16 May 1996 - corrected spelling of SCSI-2.

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