



Tech Info Library

AppleCD 300 (External) Drive: Specifications (Discontinued)

Revised: 8/19/96
Security: Everyone

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TOPIC -----

This article provides specifications for the AppleCD 300 external CD-ROM drive.

DISCUSSION -----

Playback Medium

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

Capacity

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

Audio Playback

- Playing time: more than 1 hour
- 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: 150KB/sec
 - Mode 2: 171KB/sec
- Data Streaming Rate, Double Speed (2X)
 - Mode 1: 300KB/sec
 - Mode 2: 342KB/sec
- Block Rate:
 - Normal speed (1X): 75 blocks/sec
 - Double speed (2X): 150 blocks/sec
- SCSI Bus Transfer Burst Rate (over one CD-ROM block): 2.5MB/sec
- Buffer Size: 256KB

Formats Supported

- Multisession 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 +/-5%, 12 V DC +/-10%
- Power Consumption:
 - External: 0.28A AC (drive on)

- Internal: 350 mA maximum for +5 V and 750 mA average, 1.5A 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 months): -22° F to 122° F (-30° C to 50° C)
- Transportation Temperature (72 hours): -40° F to 149° F (-40° C to 65° C)
- Relative Humidity: 5% to 95% noncondensing

System Requirements

- 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

- 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)

Article Change History:

19 Aug 1996 - Corrected misspelling.

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