



# Tech Info Library

## AppleCD 300 (External) Drive: Specifications (Discontinued)

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TOPIC -----

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

DISCUSSION -----

### Playback Medium

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

### Capacity

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- 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

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- Playing time: more than 1 hour
- Frequency response: 20 to 20,000 Hz

### Characteristics

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- 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

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- 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

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- 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

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- 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

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- 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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