



## Overview

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The AppleCD SC™ drive offers Macintosh® and Apple® II computer owners a convenient and cost-effective way to access and explore tremendous amounts of information. Each 12-centimeter CD-ROM disc can hold over 550 megabytes of information—the equivalent of seven hundred 800K floppy disks, or more than 270,000 typewritten pages.

The AppleCD SC drive provides access to text, graphics, and sound stored on digitally recorded CD-ROM discs. You can copy and paste the data for use in other applications. When paired with Apple's HyperCard™ software, the AppleCD SC drive lets you quickly access and present information from the disc.

The AppleCD SC drive supports the Apple II, Macintosh, and industry-standard High Sierra file systems, giving users access to a broad range of CD-ROM titles.

The AppleCD SC also has audio capabilities. Utilizing the AppleCD SC drive's headphone jacks or RCA jacks, the user can listen to audio CDs when not working with CD-ROM discs.

## Features

## Benefits

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|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ▶ Front-loading CD-ROM slot                      | ▶ Makes it easy to insert and retrieve CD-ROM discs.<br>▶ Lets you stack the drive on top of or underneath your computer, saving desk space.                        |
| ▶ 64K RAM buffer                                 | ▶ Offers improved data transfer.                                                                                                                                    |
| ▶ High Sierra compatibility                      | ▶ Lets you play discs, using either the Apple II or Macintosh computer, that are pressed in an industry-standard file format.                                       |
| ▶ AppleShare® file server support                | ▶ Lets users on a network access information stored on a shared AppleCD SC drive attached to an AppleShare file server.<br>▶ Lowers the cost of the drive per user. |
| ▶ CD Caddy                                       | ▶ Protects discs, guarding the integrity of the recorded information.<br>▶ Provides a convenient way to store discs.                                                |
| ▶ Universal power supply                         | ▶ Ensures compatibility with worldwide electrical standards.                                                                                                        |
| ▶ CD Audio Chip set and CD Remote desk accessory | ▶ Lets you play audio CDs when not working with CD-ROMs—even while you are working in other applications.                                                           |
| ▶ RCA jacks (two)                                | ▶ Provides audio connectors for external amplified speakers.<br>▶ Lets you listen to stereophonic audio information stored on the disc.                             |
| ▶ Headphone jack                                 | ▶ Lets you listen privately to stereophonic audio information stored on the disc.                                                                                   |

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## System Requirements

To use the AppleCD SC drive with a Macintosh computer, you'll need the following:

- ▶ Appropriate SCSI cabling\*

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To connect the AppleCD SC to an Apple II Plus, Apple IIe, or Apple IIgs® computer, you must have:

- ▶ An Apple II SCSI Interface Card with Rev. C (or later) ROMs
- ▶ Appropriate SCSI cabling

\*Connection to a Macintosh is made via the computer's DB-25 SCSI port.

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## Technical Specifications

### Playback medium

- ▶ 12-centimeter optical disc installed in a CD Caddy (any CD-ROM or audio compact disc is compatible)

### Capacity

- ▶ Data capacity
  - Mode 1: 656 megabytes
  - Mode 2: 748 megabytes
- ▶ Recording surfaces: 1
- ▶ Data block (available to user)
  - Mode 1: 2,048 bytes
  - Mode 2: 2,336 bytes
- ▶ Blocks per disc: more than 270,000

### Audio playback

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

### Characteristics

- ▶ Access time (including latency)
  - Average: less than 600 milliseconds (500 ms, typical)
  - Maximum (first to last block): less than 1.2 seconds (800 ms, typical)
- ▶ Data-streaming rate
  - Mode 1: 150 K/second
  - Mode 2: 171 K/second
- ▶ Block rate: 75 blocks/second
- ▶ SCSI bus transfer rate: approximately 800K/second
- ▶ Rotational speed: approximately 230 to 530 rpm (variable)
- ▶ Startup time: 5 seconds (typical; media-dependent)
- ▶ Spin-down time: 2 seconds (typical)

### Electrical requirements

- ▶ Line voltage: 85 to 270 volts AC
- ▶ Frequency: 47 to 64 hertz
- ▶ Maximum power: 40 watts

### Environmental requirements

- ▶ Operating temperature: 50° to 104° F (10° to 40° C)
- ▶ Storage temperature: -22° to 122° F (-30° to 50° C)
- ▶ Operating relative humidity: 10% to 90% noncondensing
- ▶ Operating altitude: -1,000 to 15,000 feet
- ▶ Transportation/Storage altitude: -1,000 to 40,000 feet

### Size and weight

- ▶ Height: 3.31 inches (84 mm)
- ▶ Width: 9.69 inches (246 mm)
- ▶ Depth: 10.47 inches (266 mm)
- ▶ Weight: 8.8 lbs. (4 kg)



# AppleCD SC

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## Ordering Information

**AppleCD SC**  
Order No. M2700

With your order, you'll receive:

- ▶ AppleCD SC
- ▶ Owner's Guide
- ▶ Apple CD Caddy
- ▶ One 3.5-inch Macintosh CD Setup disk

- ▶ One 5.25-inch Apple II CD Setup disk
- ▶ One 3.5-inch Apple II CD Setup disk
- ▶ Power cord
- ▶ Limited warranty statement

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**Apple CD Caddy  
(box of 5)**

Order No. M2705

**Apple SCSI System Cable**

Order No. M0206

**Apple SCSI Cable  
Terminator**

Order No. M0209

**Apple SCSI Peripheral  
Interface Cable**

Order No. M0207

**Apple SCSI Cable  
Extender**

Order No. M0208

**Apple II SCSI  
Interface Card**

Rev. C (or later) ROMs

Order No. A2B2087