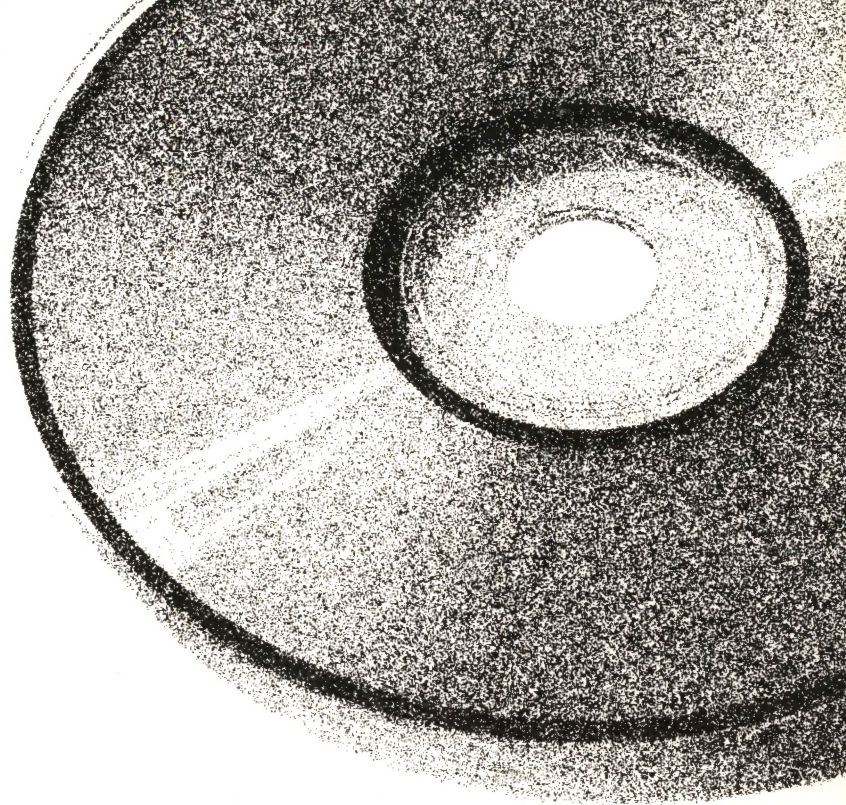




AppleCD 300i

User's Guide

Apple Computer, Inc.

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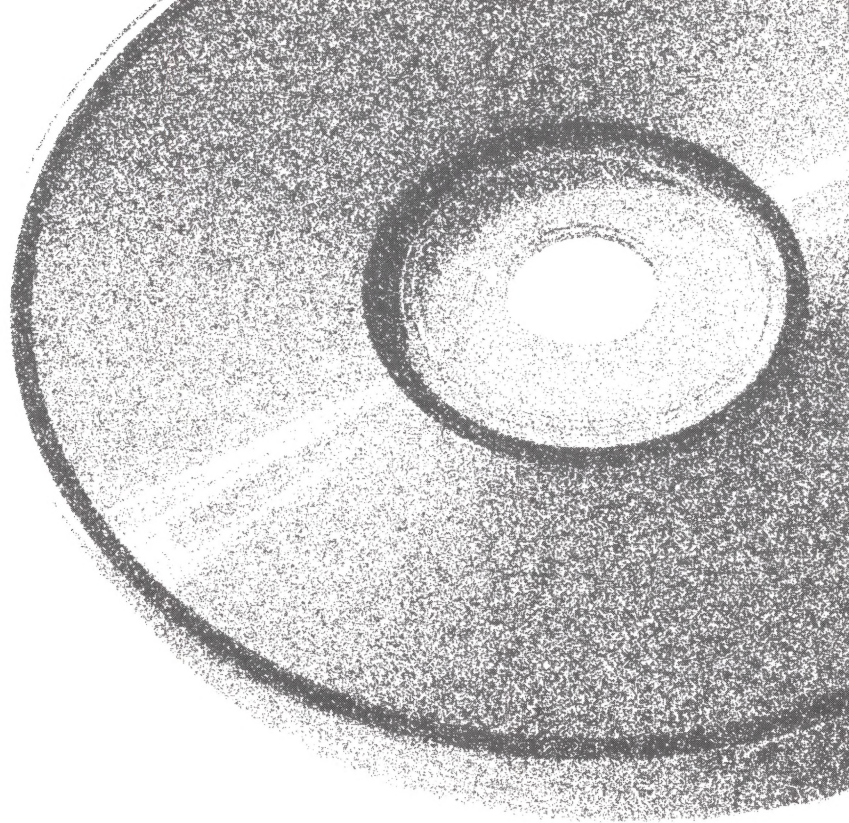
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AppleCD 300i

User's Guide

Radio and television interference

The equipment described in this manual generates, uses, and can radiate radio-frequency energy. If it is not installed and used properly—that is, in strict accordance with Apple's instructions—it may cause interference with radio and television reception.

This equipment has been tested and found to comply with the limits for a Class B digital device in accordance with the specifications in Part 15 of FCC rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that the interference will not occur in a particular installation.

You can determine whether your computer system is causing interference by turning it off. If the interference stops, it was probably caused by the computer or one of the peripheral devices.

If your computer system does cause interference to radio or television reception, try to correct the interference by using one or more of the following measures:

- Turn the television or radio antenna until the interference stops.
- Move the computer to one side or the other of the television or radio.
- Move the computer farther away from the television or radio.
- Plug the computer into an outlet that is on a different circuit from the television or radio. (That is, make certain the computer and the television or radio are on circuits controlled by different circuit breakers or fuses.)

If necessary, consult an experienced radio/television technician or contact Apple Computer directly for additional suggestions. You may find helpful the following booklet, prepared by the Federal Communications Commission: *Interference Handbook* (stock number 004-000-00345-4). This booklet is available from the U.S. Government Printing Office, Washington, DC 20402.

△ **Important:** Changes or modifications to this product not authorized by Apple Computer, Inc., could void the FCC Certification and negate your authority to operate the product.

This product was tested for FCC compliance under conditions that included the use of shielded cables and connectors between system components. It is important that you use shielded cables and connectors to reduce the possibility of causing interference to radios, television sets, and other electronic devices. For Apple peripheral devices, contact Apple Computer for information about the proper shielded cables. For non-Apple peripheral devices, contact the manufacturer or dealer for assistance. △

Important

This equipment has been tested and found to comply with the limits for a Class B digital device in accordance with the specifications in Part 15 of FCC rules. See instructions if interference to radio or television reception is suspected.

DOC Class B Compliance This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the radio interference regulations of the Canadian Department of Communications.

Observation des normes—Classe B Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la Classe B prescrites dans les règlements sur le brouillage radioélectrique édictés par le Ministère des Communications du Canada.

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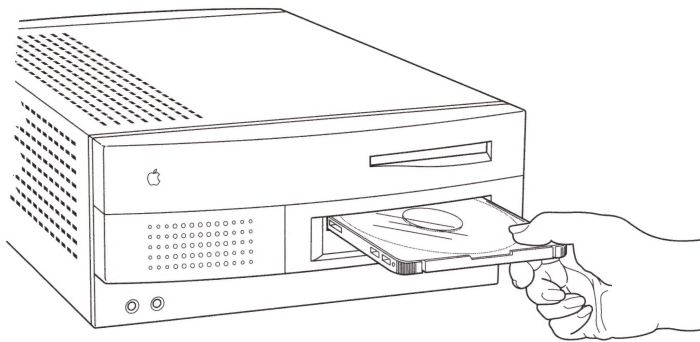
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Chapter 1

The AppleCD 300i Drive

Your AppleCD 300i drive is an internal CD-ROM drive for Macintosh computers that works with CD-ROM discs as well as standard audio compact discs and Kodak multisession Photo CD discs.



A wide selection of CD-ROM discs is available, offering materials for education, entertainment, and business. One disc can hold over 650 megabytes of information—the equivalent of 270,000 pages of text, one to eight hours of speech or music (depending on the sound quality), hundreds of high-resolution color images, or a combination of text, sound, and graphics.

Your CD-ROM drive provides access to large amounts of information. However, you cannot save information on CD-ROM discs. ROM stands for “read-only memory,” which means that the drive cannot “write” information on CD-ROM discs.

In most cases, the internal CD-ROM drive shipped with your computer comes preinstalled and ready for use. Chapter 2 of this guide describes how to check the software installation and install the required software, if necessary. Chapters 3, 4, and 5 explain how to use the drive with CD-ROM discs, audio compact discs, and Photo CD discs.

Chapter 6 provides troubleshooting advice should you encounter a problem using the drive.

Types of discs you can use

Not all CD-ROM discs store information in the same way. A disc stores and displays information according to a given file format. Your computer's system software must understand the file format in order to use the disc's contents.

Standard file formats

You can use CD-ROM discs with these standard file formats:

- HFS (Hierarchical File System)—the standard format used by the Macintosh.
- ISO 9660—the International Standards Organization's file format for CD-ROM discs. This format has been adopted by many CD manufacturers to make their discs compatible with a variety of computers. It is also the format that allows you to use Photo CD discs in your AppleCD 300i.
- The High Sierra format, which is a part of the ISO 9660 format.

Software that lets you use discs with these file formats is installed on your system, and is included on the *Macintosh CD-ROM Setup* disk you received with your computer. With this software installed, you can use discs with these formats without further setup.

Other CD-ROM formats

The AppleCD 300i drive can also work with file formats other than the ones listed above (for example, CD-ROM XA, CD+G, and CD+MIDI), provided the appropriate software is available for the Macintosh. To find out about the availability of software for additional file formats, contact the publisher of a particular disc.

Audio compact discs

The AppleCD 300i drive can play audio compact discs through headphones or speakers attached to your computer. For further information, refer to Chapter 4.

Photo CD discs

The AppleCD 300i drive can open images stored on Photo CD discs. To view Kodak Photo CD images, your Macintosh must have QuickTime and the Photo CD extension. Both are automatically placed on your computer when system software is installed. If you have removed QuickTime from your system, refer to the QuickTime System Extension instructions that came with your computer. If you have removed the Photo CD extension from your system, refer to the instructions for installing the Apple CD software in Chapter 2. For further information about using Photo CD discs, refer to Chapter 5.

Care and handling

Keep these important safety instructions in mind as you use your AppleCD 300i.

- Never transport your computer with a CD-ROM disc or a caddy inside the drive.
- Keep your computer equipment away from any source of liquid (such as wash basins, bathtubs, and shower stalls). If you drink coffee or other beverages while you're at your computer, take care not to spill.
- Avoid exposing your equipment to damp or wet weather. If your system is near a window, be sure the window is closed in rainy weather.
- Avoid exposing your equipment to dust. If dust collects on the lens inside your AppleCD 300i, the drive might have problems reading your CD-ROM discs.
- Keep these instructions handy for reference.
- Follow all instructions and warnings dealing with your system.

▲ **Warning:** Electrical equipment may be hazardous if misused. Operation of this product or similar products must always be supervised by an adult. Do not allow children access to the interior of any electrical product and do not permit them to handle cables. ▲

Chapter 2

Setting Up

In most cases, all the required software for using your AppleCD 300i drive is already installed on your computer and ready for use. Follow the instructions in this chapter only if the CD-ROM software is not installed, or if you need to reinstall the software for any reason.

Checking whether the CD-ROM software is installed

To check for CD-ROM software:

- Pull down the Apple (🍏) menu and check whether CD Remote appears in the menu.

If CD Remote appears in the menu, then CD-ROM software has already been installed. Skip to Chapter 3 to learn about using your CD-ROM drive. If CD Remote doesn't appear, follow the instructions in the next section to install the CD-ROM software.

Installing the Macintosh CD-ROM setup software

The software you need to install is on the *Macintosh CD-ROM Setup* disk that came with your computer. It's easiest to install all the software in one step, but if you need to, you can choose only specific portions. Follow the directions in this section to install all the software. To choose specific portions, see "Installing Only Specific Parts of the Software" later in this chapter.

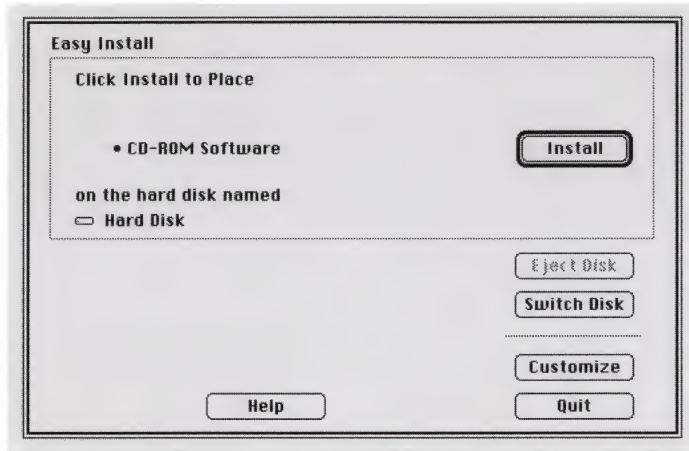
Installing all the software

1. **Insert the *Macintosh CD-ROM Setup* disk into your computer's floppy disk drive.**
2. **Open the Macintosh CD-ROM Setup disk icon.**

continues ►

3. Open the Installer icon.

You see the Easy Install dialog box.



4. If necessary, click the Switch Disk button until the name of the disk you use to start up your computer is shown.

5. Click Install.

A message informs you when the installation has been successfully completed.

6. Click Restart.

You need to restart your computer to activate the new software.

Go to Chapter 3 to learn about using the AppleCD 300i drive.

Installing only specific parts of the software

You can use the Customize option to choose which portions of the AppleCD 300i software you want to install.

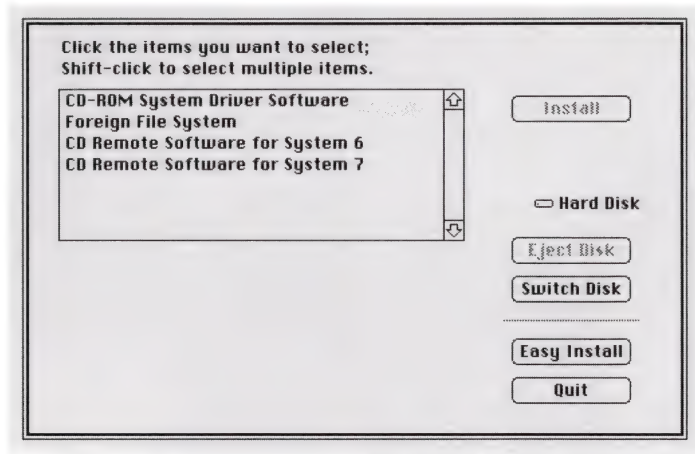
△ **Important:** To use Photo CD or ISO 9660/High Sierra discs, you must install both the CD-ROM System Driver Software and Foreign File System software. △

1. Insert the *Macintosh CD-ROM Setup* disk into your computer's floppy disk drive.
2. Open the Macintosh CD-ROM Setup disk icon.
3. Open the Installer icon.

You see the Easy Install dialog box.

4. Click Customize.

You see the Customize dialog box.



5. If necessary, click the Switch Disk button until the name of the disk you use to start up your computer is shown.

6. Select the portions of the software you want to install from the list in the dialog box.

Information about each item you select appears in the box. Hold down the Shift key as you click to select more than one item. Be sure to select the CD Remote Software option appropriate for your computer's system version.

7. Click Install.

A message informs you when the installation has been successfully completed.

8. Click Restart to restart your computer and activate the software.

Chapter 3

Using CD-ROM Discs

Before you use a CD-ROM disc, you must put it into a *caddy*—a plastic case that protects the disc from damage. When you insert the caddy into the AppleCD 300i drive, the protective metal shutter on the caddy slides away to expose a section of the disc, allowing the drive's optical head to read the data.

△ **Important:** The plastic case in which most CDs are sold is *not* a caddy. You must put the CD-ROM disc in the caddy before you insert it into the drive. △

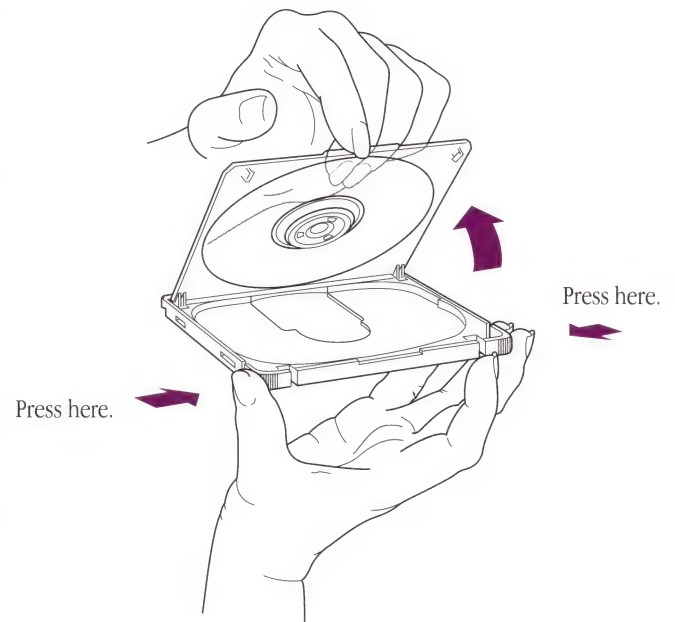
One caddy is included with your AppleCD 300i drive. You can get additional caddies from an authorized Apple dealer. You may find it convenient to store your CD-ROM discs in caddies.

Starting up

Follow these instructions to load a CD-ROM disc into the drive. After that, follow the instructions provided with your disc.

1. Open the caddy.

Press in on the corners of the caddy with one hand while you lift the clear plastic lid with the other hand.

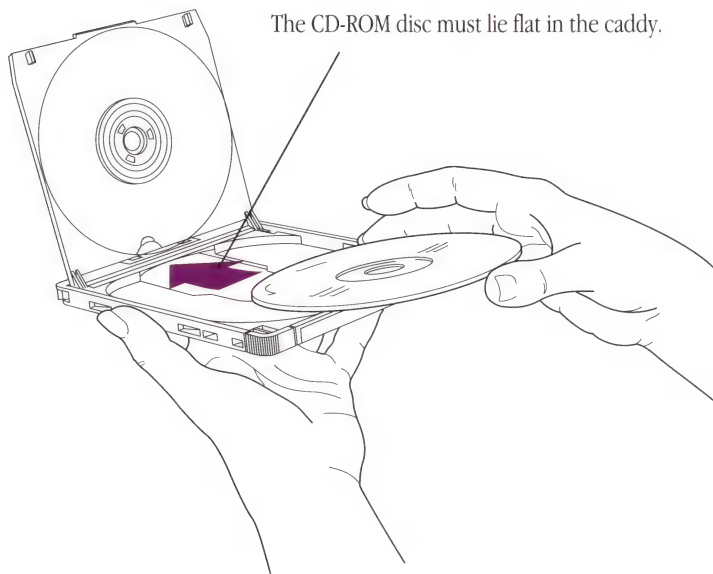


continues ►

2. Put the disc into the caddy, label side up.

Hold the disc by the edges with the label side up. Try not to touch the bottom surface of the disc as you transfer it to the caddy. Tip the leading edge of the disc down as you insert it, making sure to seat the disc in the groove below the hinge of the caddy. Close the caddy lid.

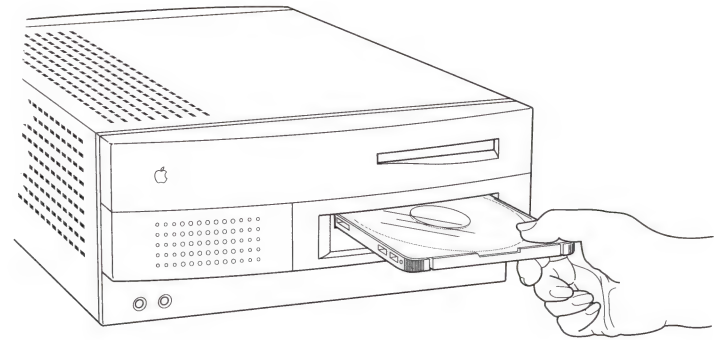
△ **Important:** Be sure the disc lies flat in the caddy; if it isn't lying flat, the AppleCD 300i won't be able to read it, and you may have difficulty ejecting the disc. △



3. Put the caddy containing your disc into the drive.

Insert the caddy with the label side of the disc facing up, with the metal shutter end first. Release the caddy when you feel it being automatically pulled into the drive.

When a caddy is loaded in the drive, the words "Caddy Loaded" appear on the drive door.



After a few seconds, the CD-ROM icon appears on your Macintosh desktop.

If the message, "This is not a Macintosh disk. Do you want to initialize it?" appears, then the data on the CD-ROM disc cannot be used by your computer (the files are in a format that the computer doesn't recognize). Eject the disc.

4. Use your CD-ROM disc following the instructions that came with the disc.

- ❖ *Using shared discs:* If you share a CD-ROM disc using the file-sharing feature of System 7, you will be able to hear audio portions of the disc yourself, but other people on the network will not. Likewise, you cannot hear the audio portion of discs you access over a network. ❖
- ❖ *Maintenance tip:* For best performance, avoid exposing CD-ROM discs and the AppleCD 300i to dust or smoke. If dust collects on the lens inside of the AppleCD 300i, the drive might have problems reading your CD-ROM discs. ❖
- △ **Important:** Do not transport the computer with a caddy inside the CD-ROM drive. △

Ejecting a disc

To eject a disc while the Macintosh is turned on, select the CD-ROM icon on the desktop and choose Eject from the File menu, or eject the disc by dragging its icon to the Trash.

You can also eject a CD-ROM disc by clicking the Eject button in the CD Remote desk accessory (to open the desk accessory, choose CD Remote from the Apple (🍏) menu).

- △ **Important:** If a disc is shared using the file-sharing feature of System 7, you cannot eject it while file sharing is turned on. △
- ❖ *By the way:* The AppleCD 300i drive's motor shuts off automatically when the caddy is ejected or when the disc has not been accessed for a few minutes. The drive motor turns on automatically again when you access the drive or insert a disc. ❖

Chapter 4

Playing Audio Compact Discs and Audio Tracks on CD-ROM Discs

You can play audio compact discs or audio tracks from CD-ROM discs on the AppleCD 300i drive using your computer's built-in speaker. You can attach headphones or speakers to the computer for stereo sound. See your computer's setup manual for information about connecting sound devices to your computer.

You use the CD Remote desk accessory to start, stop, and otherwise control the disc. Before you use CD Remote, make sure that the compact disc you are using contains audio information. The CD Remote desk accessory doesn't play tracks that don't contain audio information.

To open the CD Remote desk accessory, choose CD Remote from the Apple (🍏) menu. If the desk accessory doesn't appear in the menu, you must install it from the *Macintosh CD-ROM Setup* disk. (See "Installing the Macintosh CD-ROM Setup Software" in Chapter 2 for installation instructions.)

If you have more than one AppleCD drive, the CD Remote desk accessory works only with the drive that has the lowest SCSI ID number. For more information about SCSI ID numbers, see Chapter 6, "Troubleshooting."

Using the CD Remote desk accessory

Follow these instructions to use the CD Remote desk accessory.

△ **Important:** Like a CD-ROM disc, an audio CD must be inside the caddy before you insert it into the AppleCD 300i. △

1. **Start up your Macintosh.**
2. **Put the audio CD (or the CD-ROM disc with audio tracks) into the caddy and insert it into the AppleCD 300i drive.**

If you insert an audio CD, its icon appears on the desktop with the name Audio CD 1. If you insert a CD-ROM disc with audio tracks, its icon appears with the name of the disc.

continues ►

- ❖ *Opening the audio CD icon:* If you open an audio CD icon, you'll see document icons labeled Track 1, Track 2, and so on. You can't play an audio CD by opening the track icons. If you select one of the track icons and choose Get Info from the File menu, you'll see the track's playing time. If you copy an audio CD track icon to a disk, the icon will be copied, but it won't be usable. ❖

3. Choose CD Remote from the Apple (🍏) menu.

The CD Remote window appears. It's designed to look and work much like a standard remote control unit. Each button is explained in the following sections.



Stop

Clicking the Stop button stops play and resets the track number to 1.

Play

Clicking the Play button starts playing at the beginning of the first track, unless you have paused using the Pause button or changed the selected track using the Track, Shuffle, or Program button.

Background play

After clicking Play, you can close the desk accessory and use your computer for other work. The CD continues to play in the background. When you want to turn off the CD, change tracks, or change CDs, open the CD Remote desk accessory and make the necessary changes.

- ❖ *Playing audio tracks on a CD-ROM disc:* If you are playing audio tracks on a CD-ROM disc, you may notice that one or more of the listed tracks won't play. Such tracks contain data used by your computer and are not audio tracks. ❖

Pause

Clicking the Pause button stops play without losing your place on the CD. To resume play, click the Pause button again or click Play.

Track and time display

The track and time display shows the current track. As the track plays, time elapsed is shown on the right side of the display. (To see time remaining on the track instead of time elapsed, click the Time button.)

Track

Clicking one of the Track buttons moves to the beginning of the next or previous track.

Scan

Pressing the Scan button during play moves forward or backward rapidly through a track. (You can hear the track as it scans.)

Shuffle

Clicking the Shuffle button plays the tracks on the CD in random order.

Repeat

If you want the CD to play continuously—to start over when it reaches the end—click the Repeat button labeled with a return arrow. Click the button again to turn off continuous play.

Partial repeat (AB button)

You can set markers within one audio track on a CD and play the section between markers continuously. To set markers:

- 1. Begin playing the CD at a point just before the place where you want to set the first marker.**
- 2. Click the AB button.**

The label on the button changes to A.

- 3. When the audio passage reaches the place where you want to set the first marker, click A.**

The first marker is set, and the button changes to B.

- 4. When the audio passage reaches the place where you want to set the end marker, click B.**

The end marker is set, and the label on the button changes to A  B. The section you've marked plays repeatedly until you click A  B again.

- 5. To cancel the markers, click the A  B button.**

The label on the button changes back to AB.

Audio channels

When both the left and right audio channel buttons are selected, you hear the left channel through the left speaker and the right channel through the right speaker. If you deselect one of the channel buttons by clicking it, you'll hear only one channel through the built-in speakers.

Volume

You can use the volume control in CD Remote to adjust the volume from the built-in speaker headphones or speakers attached to the computer. Drag the slider to the right to increase volume, or to the left to decrease volume.

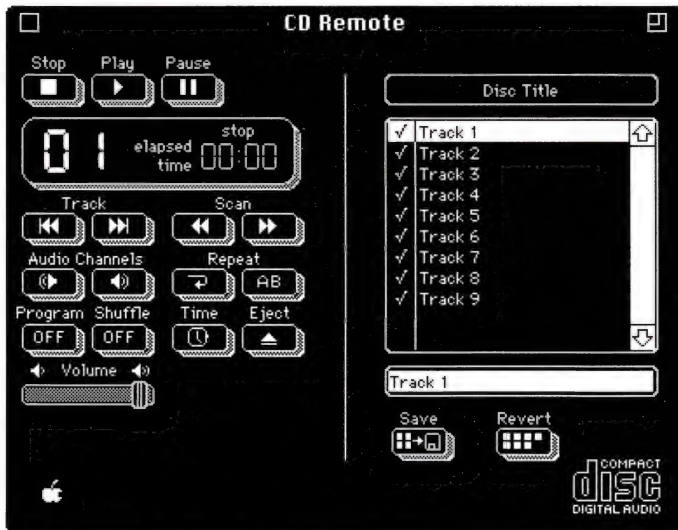
Eject

To eject the CD, click the Eject button on the CD Remote screen or drag the audio CD icon to the Trash. The disc icon disappears from the desktop.

Close the CD Remote desk accessory before inserting a CD-ROM disc that doesn't have audio tracks. CD Remote can only be used with audio portions of a disc.

Creating a customized play list

To create a customized play list, click the zoom box in the upper-right corner of the CD Remote window. This expands the window as shown below. You can view a list of the tracks on the CD and choose the tracks and the sequence you want to hear.



Follow these instructions to create a customized program or play list:

1. **Drag across the words “Disc Title” and type a name for the play list.**

Type the title of your CD, or any title you wish to give this play list.

2. **If you wish, click each numbered track and type a new name for it.**

You can type the actual track name or any name you wish.

3. **Select the tracks you want to include on your play list.**

A checkmark indicates that a track will be played. Click to add or remove a checkmark. (Tracks you remove still show up on the list, but they won't be played.)

4. **Arrange the play list in the order you want.**

Hold down the $\mathbb{A}$ key while you drag each track title to the desired position. Scroll if needed to see additional track titles.

continues ►

5. Save your play list by clicking the Save button.

The saved play list will be recalled the next time you use this audio CD. If you haven't saved the current version of your play list, clicking Revert recalls the last saved version.

6. Click the Program button to On.

When you want to hear tracks in their original playing order, click the Program button to Off.

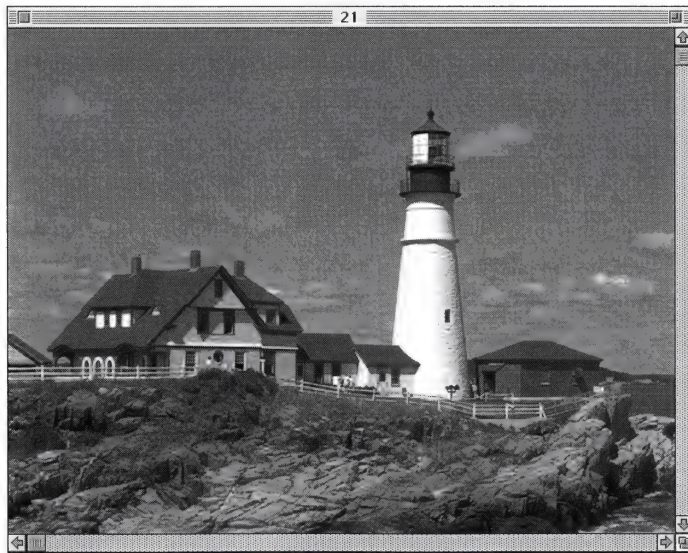
7. Click Play to hear the tracks with checkmarks in the order they appear on your play list.

The next time you want to play your customized play list for this audio CD, just click the Play button. You don't need to zoom out to the expanded window unless you want to create a new program or play list.

Chapter 5

Working With Photo CD Images

You can use your AppleCD 300i to open Kodak Photo CD images stored on Photo CD discs. A Photo CD image is a digitized version of a standard 35 millimeter photograph that you can open and view on your computer screen.



Alan Fink

You can open and view Photo CD images individually on your computer screen. You can copy and save them, print them, paste them into word-processing documents or other documents that accept graphics, and edit them using graphics applications. You can also view your Photo CD images displayed in a series on your computer screen as you would view a slide presentation.

Photo CD images are an excellent source of graphics for desktop publishing, multimedia presentations, business documents, and professional-quality graphic design.

△ **Important:** To view Photo CD images on your Macintosh, you must have QuickTime and the Photo CD extension in your System Folder. If your Macintosh system software was installed at the factory, QuickTime and the Photo CD extension are included in your System Folder. If you need to reinstall QuickTime, refer to the QuickTime System Extension instructions that came with your computer. To reinstall the Photo CD extension, refer to Chapter 2, “Setting Up,” for installation instructions. △

Obtaining Photo CD discs

You can have your own photographs recorded as Photo CD images on a Photo CD disc. To obtain a Photo CD disc of your own photographs, you give standard 35 mm film to a photofinisher who has a Kodak™ Photo CD System. The photofinisher develops your film, digitizes the photographs, and returns a Photo CD disc to you containing your Photo CD images. A single Photo CD disc can hold approximately 100 images or more.

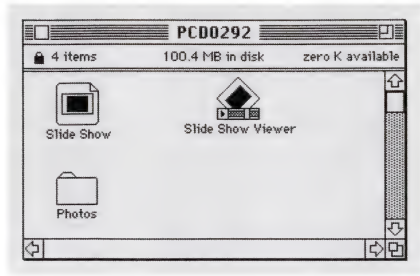
You can take a Photo CD disc back to your photofinisher and have more photos added until the disc is full. Such discs are called *multisession discs* because the photofinisher can add more images to them after the first session of adding images. The AppleCD 300i can read both single- and multisession Photo CD discs. (Some CD-ROM drives may be unable to read the additional images placed on a multisession disc. Such drives can read only single-session discs.)

Viewing the contents of a Photo CD disc

To view images on a Photo CD disc, you place the Photo CD disc in a caddy and insert the caddy into the CD-ROM drive. The first time you insert a Photo CD disc, a message appears telling you the system is creating custom Photo CD icons. You can click Stop if you wish the system to use standard PICT document icons instead. After several seconds, an icon for the Photo CD disc appears on the desktop. The disc name appears with the letters “PCD” and an identifying number supplied by the photofinisher. You cannot change the name of the disc.

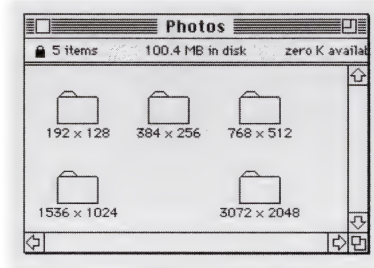


Double-click the disc icon to open the Photo CD window.



The Photo CD window appears with a QuickTime movie named Slide Show, the Slide Show Viewer, and a Photos folder. The Slide Show movie and Slide Show Viewer (described in the section “Viewing Several Images in Sequence”) allow you to view your images as you might browse through slides. The Photos folder holds your Photo CD images. (The window also contains a PHOTO_CD folder that holds technical information about your Photo CD images used by some programs. You normally will have little reason to use this folder.)

Double-clicking the Photos folder opens a window that holds five folders. The five folders contain your Photo CD images recorded at various resolutions.

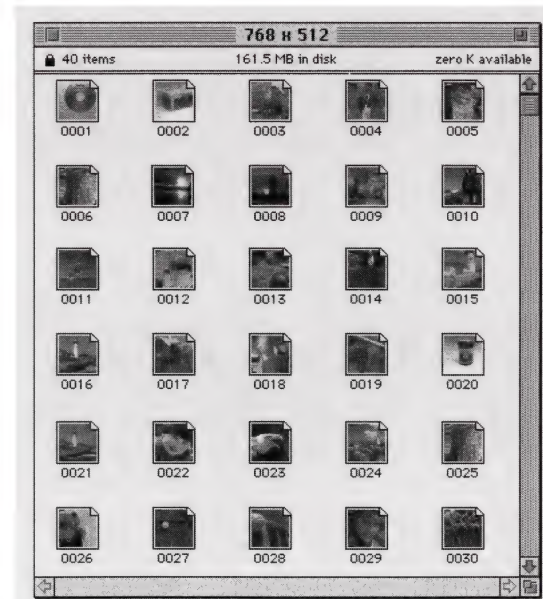


When a Photo CD image is created, it's recorded at five different levels of resolution. The resolution level of an image determines the amount of information recorded for it, which in turn determines how well the image can be displayed or printed. The higher the image resolution, the more information that is recorded for it.

High-resolution images can contain as much as 18 megabytes of data for one photograph. However, depending on your computer's screen resolution or printer's printing resolution, you may not be able to view or print the graphic at such high resolution.

Because each Photo CD image is recorded at five levels of resolution, you can select and work with an image at a resolution appropriate for your display or printing device. For example, you might use a Photo CD image at low resolution for displaying images on a TV or computer screen in a multimedia presentation. On the other hand, to produce high-quality color separations from a Photo CD image, you might select a high-resolution image appropriate for the high-resolution printing capabilities of an imagesetter.

Within each folder, an icon appears for each Photo CD image. Each icon is also a thumbnail image of the Photo CD image. Because your images are recorded on a “read-only” CD-ROM disc, you can’t rename your images. You can copy your Photo CD images to a hard disk or floppy disk. Once they reside on a hard or floppy disk, you can rename and change the images as you can other Macintosh documents.



Viewing one image at a time

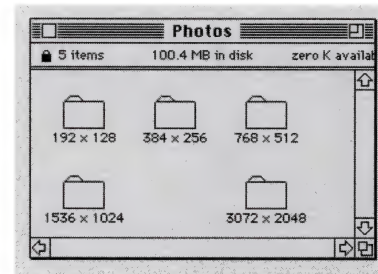
You can view and work with your Photo CD images using many popular graphics applications. Your images are preset to be opened by the QuickTime utility Picture Compressor, supplied with the QuickTime Startup Kit. (If you don't have the QuickTime Startup Kit, you can purchase it separately.)

If you don't have Picture Compressor, you can also view individual images as TeachText documents.

△ **Important:** You can preset your images so that they automatically open in a particular application other than Picture Compressor or TeachText. For instructions, see the section “Choosing a Program to Open Photo CD Images.” △

To view a Photo CD image:

1. **Insert the caddy holding the Photo CD disc into the AppleCD 300i drive.**
2. **When the Photo CD disc icon appears on the desktop, double-click the icon to open the Photo CD window.**
3. **In the Photo CD window, double-click the Photos folder.**
4. **Open the folder for the resolution at which you want to see the image.**



continues ►

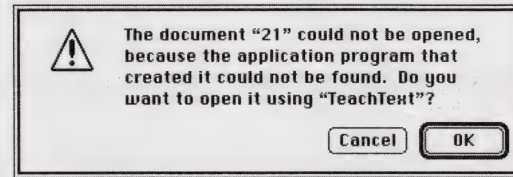
5. Double-click the icon of the image you want to see.

If you have the Picture Compressor program, you see the image appear on the screen.

If you have specified a program in the Preferences dialog box of the Slide Show Viewer, the program launches and your image appears in a new document.

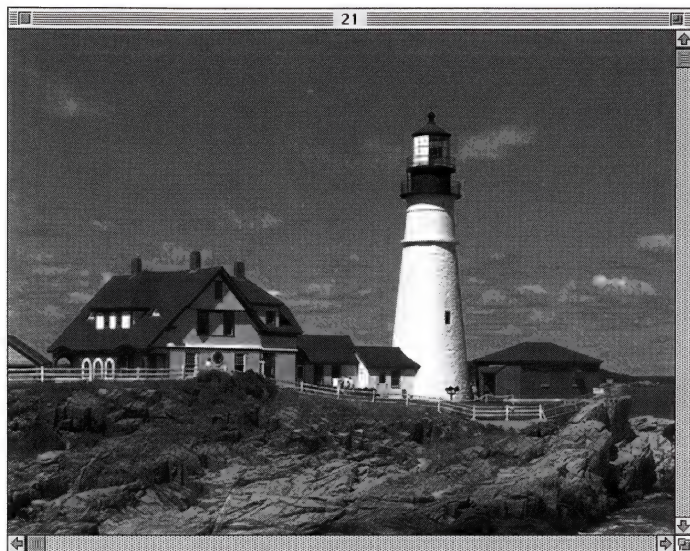


If you don't have the Picture Compressor program and have not specified a program in the Preferences dialog box of the Slide Show Viewer, a dialog box appears asking if you want to open the image using TeachText.



6. Click OK.

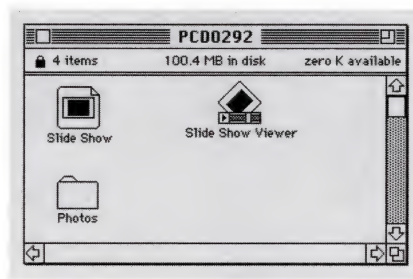
The image appears in a TeachText document.



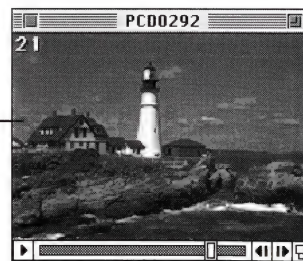
You can now view, save, and print the image. You can also copy and paste the image onto the Clipboard or Scrapbook, or into other documents or graphics programs.

Viewing several images in sequence

You can conveniently browse through all your Photo CD images by using the Slide Show movie and Slide Show Viewer in the Photo CD window. The Slide Show file is a QuickTime movie of all your Photo CD images. The Slide Show Viewer plays the movie. (If you have the QuickTime MoviePlayer utility, you can also use it to play the Slide Show movie.)



Slide Show movie



To play the Slide Show movie:

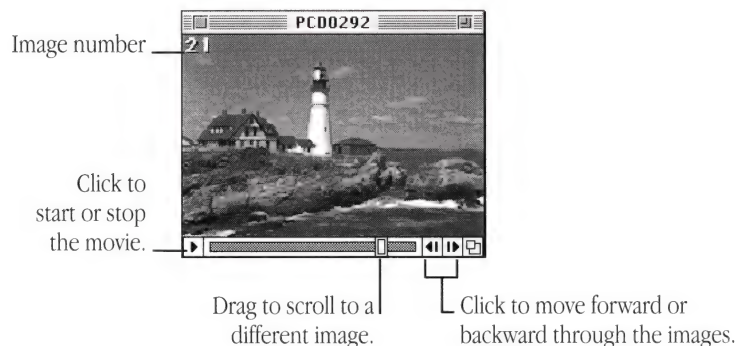
- 1. Double-click the Slide Show movie icon.**

The Slide Show Viewer automatically begins displaying Photo CD images.

- 2. Use the Slide Show Viewer controls to stop or start the movie, scroll to particular images, or flip forward or backward through the images.**

You can drag the viewer's size box to resize the viewer window to a convenient viewing size.

You can also display an image by typing an image number when the viewer is active.



Changing the size at which images are displayed

You can drag the size box on the viewer to resize the viewer window. You can also preset the Slide Show Viewer to show your images in one of two sizes.

To change the size at which the viewer displays images:

- 1. Choose Preferences from the File menu.**

The Preferences dialog box appears.



- 2. Click one of the Slide Show Size buttons.**

You can't use the viewer to make changes to the images. To change images, see the next section, "Working With Photo CD Images in Other Programs."

Working with Photo CD images in other programs

You can work with your Photo CD images in a variety of other programs, such as graphics or image-editing programs, and incorporate them into any document that can accept images. You have several ways to open and work with Photo CD images in other programs.

You can set a default program so that when you double-click a Photo CD image, the image automatically opens in the program you chose. When you are viewing images with the Slide Show Viewer, you can transfer the image currently displayed to the default program or any other program you want to work with. Finally, you can copy and paste images using the Clipboard.

Once you've opened the image in another program, you can change it and save your changes on a hard disk or floppy disk.

Choosing a program to open Photo CD images

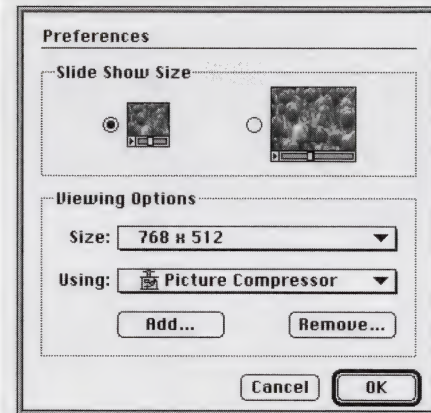
You choose the program you want to open Photo CD images by using the Preferences command in the Slide Show Viewer.

To set the program you want to view the images in:

1. Open the Slide Show Viewer by double-clicking it.

2. Choose Preferences from the File menu.

The Preferences dialog box opens.



3. Choose the program you want to open your images from the Using pop-up menu in the Viewing Options section.

If you don't see the program you want, you can add it to the menu, as explained in the next step.

continues ►

4. To add another program to the Using menu, click the Add button.

In the dialog box that appears, find and click the name of the application you want, then click Add. You can add as many programs as you want.

If you see an error message, the program you want to use isn't capable of opening images this way. You can still open your Photo CD images from within the program you want to use, usually by opening the program and then choosing the Open command. See the manuals that came with your program for instructions on opening files from within the program.

5. Choose the resolution you want the images to open at from the Size pop-up menu.

6. If you want to remove a program from the list, click the Remove button.

In the dialog box that appears, find and click the name of the application you want to remove, then click OK.

7. When you've chosen the options you want, click OK to close the Preferences dialog box.

Your changes don't take effect until you restart your Macintosh. After restart, when you double-click a Photo CD image, it opens in the program and at the resolution you specified.

Transferring the displayed image to another program

When you are looking at an image with the Slide Show Viewer, you can transfer that image into another program using the Photos menu. You can use the settings you've chosen in the Preferences dialog box, or you can override those settings.

To transfer the image according to the settings in the Preferences dialog box:

- While the image you want is displayed, choose View from the Photos menu.

The image opens in the program and at the resolution you specified in the Preferences dialog box (described in the previous section).

To transfer the image using new settings:

- 1. While the image you want is displayed, choose View As from the Photos menu.**

2. In the dialog box that appears, choose the resolution you want from the Size pop-up menu.



3. Choose the program you want to open the image from the Using pop-up menu.

To add another program to the list, click Add. To remove a program from the list, click Remove.

4. When you've chosen the options you want, click OK.

The image opens in the program and at the resolution you specified.

You can also copy the image using the Clipboard and paste it into any document that accepts images. The image is copied at the resolution chosen in the Preferences dialog box.

To transfer an image using the Clipboard:

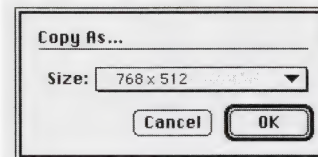
1. While the image you want is displayed in the viewer, choose Copy from the Edit menu.
2. Open the document you want to paste the image into.
3. Choose Paste from the Edit menu.

The image appears in your document, where you can work with it and save it (on a hard disk or floppy disk).

You can also copy an image displayed in the viewer at a resolution different than the one specified in the Preferences dialog box.

To copy the image at a different resolution:

1. While the image you want is displayed, choose Copy As from the Edit menu.
2. In the dialog box that appears, choose the resolution you want from the Size pop-up menu.



3. When you've chosen the resolution you want, click OK.

Making copies of the Slide Show movie

You can copy the Slide Show movie to a different disk and use it to browse and work with the images on the Photo CD disc.

To copy the Slide Show movie:

1. **Open the Slide Show Viewer.**
2. **Choose Save a Copy from the File menu.**
3. **Type a name for the copy. Click Save.**

A file compression dialog box appears.

4. **If you wish, choose a compression method. Click Save.**

The movie is saved in a compressed format and the links between the movie and the images on the Photo CD disc are maintained.

Copying the Slide Show movie by dragging its icon to a different disk does not maintain the original links between the movie and the Photo CD disc.

Chapter 6

Troubleshooting

This chapter describes solutions to problems you may encounter while using your AppleCD 300i drive.

Many problems can be caused by improper installation of the software for the AppleCD 300i. If you install the software yourself, make sure you install it exactly as described in Chapter 2.

If the suggestions in this chapter don't solve your problem, refer to the service and support information that came with your computer for information about obtaining technical assistance.

Problems starting up

The caddy won't open.

The caddy has a hinged lid. Squeeze the sides of the caddy (where it says Open) with the thumb and a finger of one hand, while lifting the lid with your other hand.

The computer doesn't seem to know that there is an AppleCD 300i drive.

Be sure to restart your computer after installing the CD software from the *Macintosh CD-ROM Setup* disk.

Check that each SCSI device attached to your computer has a unique SCSI ID number. The SCSI ID number of your internal CD-ROM drive is 3. The ID number for other devices often appears on the back near the SCSI ports (on Apple devices.) Refer to the device's owner's manual if you need to reset SCSI ID numbers.

Your computer won't restart after you've copied software for the AppleCD 300i to the System Folder.

If you attempt to install the software for the AppleCD 300i without using the Installer as described in Chapter 2, you may not be able to restart your computer. Restart from a floppy disk and install the software according to the instructions in Chapter 2.

Problems inserting or ejecting a caddy

The caddy is not being loaded into the drive.

Shut down your computer and then turn it back on. Try to load the disc by pushing the caddy gently into the drive.

The caddy is is not being ejected far enough to remove it easily.

Shut down your computer and then turn it back on. Select the CD-ROM icon on the desktop and choose Eject from the File menu, or drag the icon to the Trash.

If the disc is still jammed, turn off your computer and find a large paper clip. Straighten at least 3 inches of the paper clip and push the straight part of the paper clip firmly and horizontally into the pinhole located below and to the right of the drive door.

▲ **Warning:** Turn off the computer before you attempt to eject the caddy using a paper clip. If you don't turn off the computer, you may damage the drive. Use a large paper clip and push it exactly horizontally into the pinhole. ▲

You eject a caddy by inserting a paper clip into the pinhole on the front of the drive, and the next time you insert a caddy the AppleCD 300i fails to load it.

Shut down your computer, wait about fifteen seconds, and then turn it on again. Then insert the caddy into the drive.

When a caddy is inserted, it is immediately ejected but not far enough to be grasped, then pulled back in and pushed out again in a continuous cycle.

This can happen if the disc was improperly seated in the caddy, with the disc edge resting on the hinge of the caddy door rather than lying flat.

Use a straightened paper clip or similar object to catch the edge of the caddy when the drive momentarily ejects it. Then grasp the caddy with your fingers and pull it from the drive. Open the caddy and reposition the disc so it is lying flat.

Problems using CD-ROM discs

You insert a CD-ROM disc but its icon does not appear on the Macintosh desktop.

Try restarting the computer.

Make sure the AppleCD 300i software is installed.

Make sure the CD caddy is inserted in the drive right side up with the CD disc label up and visible, and the end with the metal shutter entering first into the drive.

There is no application program capable of displaying the contents of a particular CD-ROM.

Read the manual that came with your CD-ROM disc. Some discs come with a separate floppy disk containing the program that reads the information on the disc.

You can't save changes you make to information on a CD-ROM disc.

CD-ROM is a read-only medium. That means that information can be read (retrieved) from it, but not written (stored) on it. You can save the changed information on a hard disk or floppy disk.

You cannot open a document on a CD-ROM disc.

Try opening the application program first; then open the document.

Your computer displays the message "This is not a Macintosh disk: Do you want to initialize it?" when you insert a CD-ROM disc in the AppleCD 300i.

The disc uses a format other than ISO 9660/High Sierra, Macintosh HFS, or audio CD disc formats. Eject the disc and exchange it for a disc that works with the AppleCD 300i.

If the disc uses the ISO 9660/High Sierra, Macintosh HFS, or audio CD disc format, make sure that the Foreign File Access extension is installed in your Extensions folder in the System folder.

Your computer ejects the CD-ROM disc without giving you any error message.

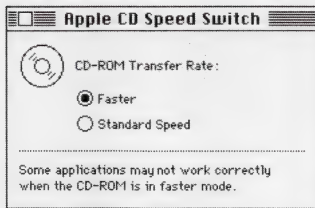
Make sure you've inserted the disc correctly in the caddy (the label side should be up and the disc should be lying flat).

If this suggestion doesn't work, the CD-ROM disc is probably damaged and needs to be replaced.

Information displays jerkily or sound seems poorly synchronized.

The AppleCD 300i can transfer data at rates up to twice as fast as standard CD-ROM drives. Some CD-ROM application programs, which may be optimized for slower transfer rates, may not work compatibly when the AppleCD 300i is operating in its fastest mode. You can slow the AppleCD 300i to make it more compatible with such application programs using the AppleCD Speed Switch control panel. This control panel is automatically installed when you install all the CD-ROM software. (See Chapter 2, “Setting Up,” for installation instructions.)

To open the Speed Switch control panel, choose Control Panels from the Apple menu and double-click the AppleCD 300 Speed Switch icon. When the AppleCD Speed Switch window appears, click Standard Speed. Click the close box to close the window.



Problems playing audio CDs

You don't hear any sound when you try to use an audio CD.

Are you trying to access audio information through a network? You can't hear the audio portion of discs you access over a network. Likewise, if you share a CD-ROM disc using the file-sharing feature of System 7, you will be able to hear audio portions of the disc yourself, but other people on the network will not.

Do you have headphones or speakers connected to the computer? Try adjusting the connector to make sure you have a good connection.

Is the volume control turned all the way down? Turn it up slowly.

Did you use CD Remote to start the audio playback?

Did you click the Play button?

Did you click the Pause button and forget to click it again to resume play?

You can't open a track icon on an audio CD.

You can't play tracks on audio CDs by opening track icons. Use the CD Remote desk accessory to play audio tracks.

When you double-click the icon of a CD that combines audio tracks and data (while that CD is playing), you cannot open it.

You can't open a CD-ROM disc while it's playing an audio track. Click Stop in the CD Remote desk accessory before opening the disc.

You are unable to record sound from an audio CD disc.

Check your computer's sound input port to see if a microphone or other device is connected. Connecting a microphone or other device to the port turns off the computer's ability to record from your CD-ROM drive.

Problems using Photo CD discs

Your Apple CD 300i will not open Photo CD discs.

To open Photo CD images, your computer must have both QuickTime and the Photo CD extension installed on your system. To install QuickTime, refer to the QuickTime System Extension instructions that came with your computer. To install the Photo CD extension, follow the installation instructions in "Installing Only Specific Parts of the Software" in Chapter 2 of this guide.

▲ **Warning:** If you have a problem with your AppleCD 300i and nothing in this chapter solves it, refer to the service and support information that came with your computer for instructions about obtaining technical assistance. If you attempt to repair the product yourself, any damage you may cause to your equipment will not be covered by the limited warranty on your equipment. ▲

Appendix

Specifications

Disc

■ Data surfaces	1
■ Disc diameter	12 cm
■ Disc center hole	15 mm
■ Thickness	1.2 mm
■ Track pitch	1.6 microns (15,875 tracks per in.)
■ Scanning velocity	1.2–1.4 meters per second
■ Rotation speed	Varies over radius
Normal speed	~530 to 230 rpm
Double speed	~1060 to 460 rpm
■ Latency (average)	Varies over radius
Normal speed	~55 to 130 milliseconds
Double speed	~27.5 to 65 milliseconds
■ Blocks per rotation	~8.4 to 19.5 variable
■ Average access time	
Normal speed	360 milliseconds
Double speed	295 milliseconds

Data

■ Data capacity	656 MB, Mode 1 748 MB, Mode 2
■ Number of blocks/disc	270,000 (typical)
■ Data per block	2048 bytes, Mode 1 2336 bytes, Mode 2
■ Address description	Minutes, seconds, frames

Audio capacity

■ Playing time	74 minutes and 42 seconds
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Data streaming and transfer rates

■ Blocks per second	
Normal speed	75 blocks per second
Double speed	150 blocks per second
■ User bytes per second	
Normal speed	150K, Mode 1 171.1K, Mode 2
Double speed	300K, Mode 1 342.2K, Mode 2
■ SCSI Bus Burst Rate (over one block)	2.5 MB per second

Modes supported

- CD-Audio
 - CD-ROM
 - CD-ROM XA
- Modes 1 and 2
Mode 2 Form 1
Mode 2 Form 2

Environmental

Noise (maximum)

- Drive on (seek) <50 dB
- Drive on (non-seek) <46 dB

Temperature

- Operating temperature +5° C (+41° F) to +50° C (+122° F)
- Storage (6 months) -30° C (-22° F) to +50° C (+122° F)
- Transit (72 hours) -40° C (-40° F) to +65° C (+149° F)

Humidity

- Operating 5% to 90% noncondensing
- Storage 5% to 95% noncondensing

Power requirements

- Voltage +5V DC $\pm$ 5%
+12V DC $\pm$ 10%

Power consumption

- +5V DC 350 mA (maximum)
- +12V DC 780 mA (average)
1.5 A (peak)

Interface

- SCSI Two 50-pin connectors

The Apple Publishing System

This Apple manual was written and edited on a desktop publishing system using Apple Macintosh computers. Proof pages were created on Apple LaserWriter printers and on the QMS ColorScript 100 color printer. Final pages were produced in QuarkXPress and output directly to separated film on a Dolev PS imagesetter. Line art was created with Adobe Illustrator. Cover art was produced with Adobe Photoshop. Screen shots were created and modified with system software, Exposure, Photoshop and MacPaint 2.0.

Text type is Apple's corporate font, a condensed version of Garamond. Ornaments are ITC Zapf Dingbats® and custom symbols designed for Apple Computer.

PostScript®, the LaserWriter page-description language, was developed by Adobe Systems Incorporated.



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