Tech Info Library

AppleCD SC: General Description (Discontinued)

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Security: Everyone

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The AppleCD SC is an audio-capable CD-ROM (Compact Disc - Read Only Media)
device with Apple SCSI ports. This peripheral device, about the same size as
an Apple SCSI hard disk drive, reads compact discs with up to 550 MB
capacity.

Apple supports five formats for information on CDs:
- CD-Audio
- CD-ROM
- HFS
- ProDOS
- High Sierra

The AppleCD SC has a front-loading caddy for standard-size compact discs.
The player accommodates stereo headphones or speakers through either the
mini-phono jack in front or via the line level audio output ports in back
of the device.

This compact disc player has second-generation CD hardware, which contains
better error checking in firmware, a 64K RAM buffer, half-height size, better
small-block handling capabilities, and better CD-Audio results than earlier
CD-ROM players.

The AppleCD SC does a full-stroke seek and read in 500 milliseconds; its
mode transfer rate is 154 KBytes per second. The hardware can recognize
three compact disc data modes:
- mode 1 (with a 2048-byte data block size)
- mode 2 (with 2352-byte data blocks)
- audio

Since Apple systems request 512-byte data blocks, and our drivers interpret
the data correctly in either case, the differences between mode 1 and mode 2
are indistinguishable to the user.

The AppleCD SC can be used with both the Apple II and Macintosh families, using the appropriate supplied software drivers. It can also be used on an AppleShare File Server to provide network access to workstations.

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