



NeXT EXTERNAL CD-ROM DRIVE



The NeXT External CD-ROM Drive provides immediate access to large stores of information.

With a capacity of up to 680 megabytes of stored data, the NeXT™ External CD-ROM Drive is ideal for people who desire an efficient means to generate a backup copy of their system software from a CD-ROM disc. CD-ROM discs also provide a convenient way to update or load additional software onto your hard disk drive or network server. You can copy industry standard files such as TIFF, EPS, RTF, or text, into applications running on your NeXT computer, or move the data onto your hard disk, to take advantage of all the editing options available on NeXT systems.

The drive also allows you to explore the multitude of CD-ROM discs holding digitally recorded text, graphics, and sound files, as well as listen to your favorite audio CDs by using the drive's RCA jacks. Switch back and forth, as you desire.

The NeXT External CD-ROM Drive supports the major file formats, High Sierra, ISO-9660, and Rockridge, making it possible to select from an expansive range of available CD-ROM titles, as well as high-quality color and PostScript® image files.

FEATURES AND BENEFITS

680 MB capacity	Large enough for full system software releases. Unlike having a software release on floppies, the single CD-ROM is convenient for updating your hard disk. You don't have to constantly swap floppies.
Integrated 64-kilobyte RAM cache buffer	Improves the transfer rate of data to the computer, which is important when reading large image or text files.
High Sierra, ISO-9660 and Rockridge file format compatibility	Allows you to work with discs produced in industry-standard formats.
Front-loading disc design	Quick and convenient access to the drive. Allows you to stack additional peripherals on top of the drive.
Auto-loading and eject mechanism	Allows simple disc insertion and automated disc eject when the computer has completed using the data on the disc.
Leveraged network sharing	Allows drive to be shared across the network, enabling all network users to access data and applications, and to update to new system software from a single drive.
NeXTstep™ system software distributed on CD-ROM discs	Low-cost and convenient way to update to a newer software release.
Universal power supply	Allows you to take the CD-ROM drive anywhere in the world. Automatically switches from 100V to 240V.
Audio compatibility	Allows music to be played from standard music CDs from either the RCA jacks or from the headphone jacks with appropriate software. The headphone volume is easily adjusted from the front of the drive.

TECHNICAL SPECIFICATIONS

12 cm Compact Disc

- CD-ROM Mode-1 data disc;
- CD ROM Mode-2 data disc;
- CD-Audio disc; or
- audio-combined disc

Capacity

- Data: 680 MB
- Block size (bytes)
2048/1024/512

Characteristics

- Access time: 380 ms (average)

Rotational Speed

- Inner tracks 530 rpm at
CLV = 1.4 m/s
- Outer tracks 200 rpm at
CLV = 1.4 m/s
- Buffer RAM: 64 KB
- Data Transfer Rate
Sustained: 150 KB/sec
Burst: 1.5 MB

Electrical Requirements

- AC line voltage: 100 to 240V
- Frequency: 50 to 60 hertz
- Power consumption: 0.25A

Dimensions

- 7 in. (w) x 1-3/4 in. (h) x 12-7/8 in. (d) (177.5 mm x 44.0 mm x 325 mm)
- 6 lb. 6 oz. (2.9 kg)

Environmental Requirements

- Operating temperature:
41 F to 113 F (5 C to 45 C)
- Operating humidity: 10%
to 90%
- Storage temperature:
22 F to 131 F (-30 C to 55 C)
- Storage humidity: 10%
to 90%

Reliability

- Read error rate
(including retry)
- ECC on: 1 block/1012 bits
- ECC off: 1 block/109 bits
- MTBF: 20,000 POH

Audio Output Level

- Line out: 9.5V at 47kW
- Headphone: 9.55V at 32W

SYSTEM REQUIREMENTS

To use the NeXT External CD-ROM Drive, you will need a NeXT computer, a SCSI-I-to-SCSI-II cable, as well as a SCSI terminator if the drive is the last external SCSI device connected to your NeXT computer. You will also need NeXTstep Release 2 or later. For support of the Rockridge format and for sharing CD-ROMs across a network, NeXTstep Release 3 is required.

ORDERING INFORMATION

NeXT External CD-ROM Drive
Order No. N3010

NeXT SCSI-II to SCSI-I Cable
Order No. N7007

For additional information, call 1-800-TRY-NeXT

NeXT Computer, Inc. 900 Chesapeake Drive, Redwood City, CA 94063 USA

©1992 NeXT Computer, Inc. All rights reserved. NeXT, the NeXT logo, NeXTstep, and NeXTstation are trademarks of NeXT Computer, Inc. PostScript and Display PostScript are registered trademarks of Adobe Systems Inc. All other trademarks mentioned belong to their respective owners. NeXT will from time to time revise the specifications described herein, and reserves the right to make such changes without obligation to notify the purchaser.

1M4875 1/92