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CD-ROM: Glossary of Terms

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CD-Audio

Industry standard for compact disc player hardware, compact disc media, and level 1 error correction and detection. Also known as the Red Book. Supported by AppleCD SC.

CD-I (Compact Disc - Interactive)

Proposal that includes a compact disc file structure definition. Also known as the Green Book.

CD-ROM (Compact Disc - Read-Only Media)

Defines data storage and error detection and correction on compact disk. Also known as the Yellow Book. Supported by AppleCD SC.

CD-V (Compact Disc - Video)

Definition for full-motion video on NTSC. Supports 200MB of CD-ROM information and five minutes of full-motion video in Laserdisk format.

CLV (Constant Linear Velocity)

Used on storage devices (among them compact discs) to maintain one speed at which data passes by the head. Requires varying rotation speeds as the radius of the track changes.

CVD (Compact Video Disc)

Full-motion video definition from SOCS Research.

DVI (Digital Video Interface)

Definition for a full hour of video on compact disc at 30 frames per second. Supports CD-ROM.

Green Book

See CD-I.

High Sierra

Hierarchical file structure definition for CD-ROM. System-independent.
Supported by AppleCD SC.

Land

Flat area on inner surface of compact disc. Reflects laser light back to sensor. Represents data value "1".

Laser (Light Amplification by Stimulated Emission of Radiation)

Produces coherent light by exciting molecules of pure chemical substance.

Mastering

The process of creating the "golden" disc, which is then used to create copies for use in compact disc manufacture.

Optical media

Any data storage device that operates using light to retrieve and/or write data to storage medium. Typically uses laser to produce light. Compact disc is one type of optical media.

Pit

"Bump" on inner surface of compact disc. Scatters laser light. Represents data value "0".

Premastering

The process of adding error detection and correction bytes to user data. Done prior to mastering disc.

Red Book

See CD-Audio.

WORM (Write Once - Read Many)

Removable optical media which accept new data only once. Data can be read many times. Not compatible with compact discs.

Yellow Book

See CD-ROM.
<None>

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