SmartCD®
APIs

File System API
Recording API
Jukebox API
Autoloader API

Platform:
Windows NT

Windows NT API Toolkit Solutions

Need to integrate CD-R technology with your applications?

The Smart Storage® Solution for Integrating CD Technology

If you are a Windows NT developer or integrator who intends to integrate 32-bit, CD-R-enabled software with your own applications, Smart Storage offers a family of comprehensive SmartCD API toolkit solutions, which are simple and cost-effective. With a variety of APIs designed for your specific needs, such as network recording and access, file system control, and jukebox management, SmartCD adds value to your applications. Not only does SmartCD add comprehensive CD support to applications, it removes the burden of device-driver development and constant device support changes. In addition to a product line that meets your integration needs, all SmartCD APIs include software upgrades, documentation, and support programs to help you develop your applications.

A diverse family of APIs provides a solution for all application requirements.

SmartCD File System API

For integrating recording, access, and file system features

This high-level interface provides complete functionality required to build a complex CD-based storage solution using a combination of CD-ROM and CD-R jukeboxes. With the SmartCD File System API, you can have simultaneous recording and access control within a networked CD-R jukebox. The API allows you to present a collection of CD-ROMs as a single exportable file system to network clients. SmartCD's advanced resource-sharing capabilities, coupled with Windows NT's administration and security, give you tight access control over the file system. The API is designed to simplify the writing of optimized CD-R jukebox management software by making the jukebox management tasks transparent to the programmer; for example, simple functions are provided for volume maintenance and auto-configuration of devices.

SmartCD Recording API

For integrating CD-recording technology

Designed specifically for standalone recorders, the SmartCD Recording API is a low-level, device driver programmer's interface. SmartCD is versatile in that it supports a wide variety of CD recorders, allowing you to eliminate device dependence from your applications. The API allows for maximum flexibility when writing CD-R-enabled software with the following methods of recording: Disc-At-Once, Track-At-Once, and Write Simulation.
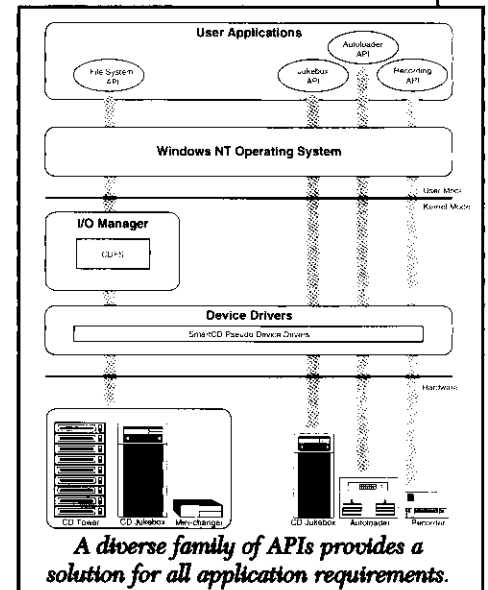
SmartCD Jukebox API

For integrating recording and jukebox management

In addition to CD recording, this low-level API provides tight device management and media control within CD-R jukeboxes. The API also offers a unique auto-configure feature for your SCSI and serial devices. Using this API, applications that employ a database or file-management approach can implement CD-R-based storage into their storage hierarchy.

SmartCD Autoloader API

For integrating control of a transporter, recorder, and label printer

The SmartCD Autoloader API gives you high-volume, unattended CD recording and CD label printing within an autoloader device. Designed for production environments, SmartCD provides complete control of media management, autoloader device control, as well as CD-R label printer control.

SMART STORAGE®
The Gold Standard in CD Software

Features

Recording API

- Low-level driver for controlling standalone CD recorders.

- Support for all major recorders.

- Simple architecture includes configuration and recording modules for easy implementation and support.

- Support for multiple recording methods, including Disk-At-Once and Track-At-Once.

- Write simulation option for testing and verifying CD images before recording.

- ISO Level 1 and 3 support provide comprehensive Windows 95 and Windows NT application support.

- Simple device configuration through auto-configuration call.

Autoloader API

- Unique architecture combines complete autoloader device support with Recording API for production applications.

- Comprehensive device support, providing configuration flexibility.

- CD label printer support for CD identification.

- Includes CD label-image-creation calls, providing complete publishing capabilities.

- Modular design provides flexibility for job control and scheduling.

Jukebox API

- Unique architecture combines jukebox device support with Recording API.

- Support for all major serial and SCSI jukeboxes provides complete scalability and price/performance flexibility.

- Drive-level interface designed for easy integration with proprietary database applications.

- Modular design provides simple calls for media control, including mount, dismount, add, and remove.

- Device database provides straightforward interface to device status and attributes.

File System API

- Comprehensive API incorporates recording API with additional file system, volume, device, and cache modules.

- Support for all major serial and SCSI jukeboxes provides complete scalability and price/performance flexibility.

- Tight integration with Windows NT provides easy administration and complete security.

- Patented file system interface provides multiple build options for complete application support.

- Volume database provides complete media management.

- Device database provides straightforward interface to device status and attributes.

- Architecture supports active and inactive devices and media.

- Caching module incorporates directory, file, read-ahead, and swap-delay options for complete performance optimization.

- Group capability provides easy management of data access.

System Requirements

- A Pentium Windows NT v. 3.51/4.0 server or workstation already connected to the network or running as a standalone machine. The Pentium must have 32 MB RAM, minimum. (The PC running SmartCD need not be a dedicated PC.)

- One or more Windows NT supported SCSI cards to attach CD-storage devices. It is recommended for performance that you use an Adaptec SCSI card.

- One or more CD-storage devices: SCSI CD-ROM drives, changers, or jukeboxes.

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