



Gracenote MusicIDSM

Gracenote MusicIDSM is the industry standard for digital music identification for both CDs and individual music files. Providing fast, accurate and reliable music-related content for people all over the world, Gracenote's technology is relied on by many of the world's leading consumer electronic devices and media software applications. Gracenote MusicIDSM uses multi-step recognition methods to enable identification, categorization and organization of digital music. Regardless of source or format, Gracenote gives music fans the tools to manage and enjoy their music collections.

Gracenote MusicIDSM Featured Technologies:

Gracenote Media Database

Helping to create and expand emerging digital entertainment markets, Gracenote's database supports both networked and embedded applications for the home, car, portable and even mobile phones. It is the world's largest global media database of music and video metadata resulting in the broadest coverage and success rate of any recognition system.

- Over 3.2 million CDs
- Over 41 million tracks
- Over 7 million audio waveform fingerprints
- Content in over 80 languages

Proven CD Recognition Technology

Gracenote pioneered CD recognition technology in 1995 under the name CDDB. Today it is the most widely used and trusted identification technology for software applications and consumer electronics devices.

- Over 1 million daily users
- Available in multiple languages in over 150 countries
- Patented "fuzzy matching" technology for the most accurate results

Audio Waveform Recognition Technology

Using audio waveform fingerprint technology, MusicIDSM can identify individual songs or albums in a user's collection regardless of source, format or tag information.

Multi-Step Digital File Recognition

MusicIDSM uses a multi-step process to identify digital music files by analyzing textual information from the file's embedded tags, file name, directory path and other related files in the user's collection allowing individual or groups of songs to be matched to albums.

Retagging Digital Music Files

Once digital files are successfully matched, MusicIDSM can write Gracenote's metadata into the file's tag. Accurate and complete information embedded into the music file provides many benefits to users, including enabling people to better manage and enjoy their music collections when transferred to a PC or remote device.

Developer Tools Provided

PC Developers:

- An SDK fully interoperable with the Gracenote CDDB SDK
- Object code, as necessary
- Sample application with source code

Device Developers:

- Device Developer's Tool Kit (APIs) fully interoperable with the Gracenote Embedded CDDB Tool Kit
- Source code and compiled object code
- Sample applications

System Requirements

Consumer Electronics

Processor: 32-bit microprocessor and basic operating system feature support

Memory:

- 200k for code
- 500k RAM (peak usage)
- 256 bytes ROM for the decryption key

Personal Computers

Operating systems supported:

- Windows 98 and higher
- Red Hat Linux 6.2 and 7.1
- Mac OS 8 and higher

Memory:

- 32 MB RAM required, 128 MB RAM recommended
- Code: C/C++ source code/ Visual Studio 6.0 or later