

Gracenote Playlist

Mix Your Music to Match Your Mood

Gracenote Playlist™ is the industry's first dynamic playlist generation technology for both desktop and embedded platforms, offering a full-featured, flexible platform for automatically generating digital music playlists. Gracenote Playlist is the only global solution that works in offline devices, including portable MP3 players and car stereos, as well as desktop applications and network-connected products.

THE WORLD'S MOST ADVANCED PLAYLIST GENERATION ENGINE

Instant More Like This™ Automatic Playlists

Gracenote Playlist allows the listener to generate one-touch More Like This playlists by simply selecting one or more songs or artists as “seeds songs”. Gracenote Playlist then returns a mix of music that contains music from related artists and genres.

Playlists that Automatically Adapt as Your Music Collection Evolves

Listeners can save and name any playlist definition as a “dynamic playlist.” Then, as they add music to their collections, the dynamic playlists are automatically updated to include appropriate selections from the new content. For example, the listener could define a dynamic playlist that always generates a new mix of the user’s “Favorite Solo Female Country Artists of the ‘90s”

Pre-Set Dynamic Playlists

Gracenote Playlist comes pre-loaded with pre-set playlists such as “Rock On, Dude” and “70s Soul and Funk”. Developers can also create their own customized pre-set dynamic playlists. This enables quick and easy access to specific music as soon as it is added to the collection and identified by Gracenote.

Ease of Integration and Flexibility for Different UIs

Developers may choose the number of genres and attributes they want to expose to their consumers to define their own dynamic playlists.

INTELLIGENT SYSTEMS ENABLE A NEW LEVEL OF SIMPLICITY

Expert Music Information = Playlisting Power

Unlike standard playlisting tools, Gracenote Playlist is not dependent solely on the accuracy or completeness of the listener’s existing music file tag data. Rather, Instead, Gracenote Playlist is powered by proprietary data that classifies the listener’s music into over 1,600 highly granular micro-genres, as well as artist eras, artist origins and other descriptors. This “enabling information” is only available from Gracenote.

Gracenote Music Similarity Data

Gracenote’s music similarity data incorporates nearly 1 million comparisons - enabling the creation of playlists with unprecedented focus.

Powered by Global Real-Time Song Popularity Trends

Create playlists based on worldwide song popularity, provided by Gracenote’s global user community.

Utilize Personal Listening Preferences

Create playlists utilizing the listener’s own personal implicit and explicit listening preferences, including track/artist/genre play history and user ratings.

IT ALL STARTS WITH RECOGNITION

Gracenote MusicID™ Integration

Gracenote Playlist utilizes Gracenote MusicID and the Gracenote Media Database for accurate and complete metadata. As a result, Gracenote Playlist can create great mixes from a listener’s entire music collection.

GENERATE NEW MIXES ANYTIME / ANYWHERE

Advanced Playlist Generation on Portable Devices, Mobile Phones and in the Car

Gracenote Playlist also features a thin-client for embedded devices. This allows listeners to build compelling, dynamic playlists and new More Like This mixes with the push of a button, from their portable, phone, home or car stereo.

Consistent Experience Anywhere

Gracenote Playlist enables the transfer of dynamic playlists between PC applications and tethered devices for a seamless user experience.

WHAT’S INCLUDED FOR SOFTWARE DEVELOPERS

- The Playlist SDK (Software Development Kit) and documentation;
- Object code modules to support the Playlist APIs;
- Sample application with source code.

PC System Requirements

• Operating systems supported:

- Windows 98, Windows 98 SE, Windows ME, Windows 2000, or Windows XP

- **Memory:** Minimum of 400 KB to run the ActiveX Control, 32 MB RAM required, 128 MB RAM recommended

- **Code:** C/C++ Source code / Visual Studio 6.0. Object code provided for the ActiveX Control.

WHAT'S INCLUDED IN DEVICE DEVELOPMENT KIT

- Sample application and source code;
- Sample playlist database;
- Source code for Operating system abstraction layer;
- Reference ports for Windows, Linux, or Darwin platforms;
- Embedded database and decryption key;
- Object code for full database lookup layer, cross-compiled to device;
- Documentation.

Consumer Electronics Device System Requirements

• Prototyping and Development

The minimum requirements for the PC for device code development are as follows:

- **Operating Systems Supported:** Windows 2000, Suse Linux 9, or Macintosh OSX.
- **System Requirements:** 10 MB RAM to build sample code; 2GB hard disk space for tool kit files, database, and documentation.
- **CD-ROM/DVD-ROM drive** (or another mechanism for playback of digital music that can pass raw TOC data, if CD recognition is a desired feature): Accuracy to 1/75 of a second.
- **Developer Environment:** The Windows sample application and supplied source code use Visual Studio 6.0. The Linux and Macintosh OSX sample application and supplied source code use GCC with GNU Make-compatible Make files. The source files are written in standard ANSI C and are designed for easy porting and compiling on various target operating systems and environments.
- **Code:** C source code / Visual C++ 6.0 or GNU development tools (GCC, Make, etc).
- **Internet connection:** An Internet connection is required for online database lookups and updates.

• Target Device

The device code is designed to have a small footprint, to easily integrate to the application and to be portable to many architectures. Gracenote Playlist for devices is compiled into object code for the target microprocessor and operating system. The minimum requirements to run on a device on most platforms are as follows:

- **Processor:** 64 and 32-bit microprocessor and operating system (other designs by Gracenote approval).
- **Operating Systems Supported:** Most commercial 32 bit Operating Systems, including Linux, VxWorks, QNX, and others. Other operating systems may be supported upon customer request.
- **Disk Space (for Gracenote Embedded Media Databases):** Most commercial 32 bit Operating Systems, including Linux, VxWorks, QNX, and others. Other operating systems may be supported upon customer request.

- **ROM:** 256 bytes for the decryption key
- **CD-ROM/DVD-ROM drive** (or another mechanism for playback of digital music that can pass raw TOC data, if CD recognition is a desired feature): Accuracy to 1/75 of a second
- **Code:** C source code / Visual C++ 6.0 or GNU development tools (GCC, Make, etc).
- **Internet connection:** An Internet connection is required for online database lookups and updates.
- **Memory:**

	MusicID-CD + Playlist	Tethered Playlist	MusicID-CD + MusicID-File + Playlist
Code Size¹	282KB	251KB	334KB
ROM or non-File system FLASH (For description key)	256 Bytes	256 Bytes	256 Bytes
Static Data	42KB	44KB	52KB
Heap: Peak Usage (RAM)	450KB	500KB	500KB
Stack Usage	10KB	10KB	10KB

¹ ROM, FLASH, or copied into RAM from the HDD. Code sizes are for an x86 platform. Instruction sets on other platforms may be up to twice as big.