SoundHound AI

Music Fingerprint Identification API

Product Overview

SoundHound's proprietary **Music Fingerprint Identification API** offers a world-class solution for high-accuracy audio recognition, even in the most challenging environments. Built on over **20 years of innovation**, this technology has served more than **300 million users** and generated over **50 billion successful search results**.

Originally engineered to identify music in loud, noisy public spaces such as bars and restaurants, SoundHound's API outperforms competitors in its ability to recognize tracks with **very limited data** and **high background noise**.

Key Differentiators

- **Robust to Noise:** Engineered from its inception to excel in noisy environments.
- **Minimal Data Requirements:** Capable of identifying copyrighted music with only **2 to 10 seconds** of audio.
- **Unmatched Speed:** Delivers incredible performance with **sub-second latency** for streamed audio queries.
- **Humming & Singing Support:** A unique feature allowing users to identify a track by simply humming or singing the melody.
- **Proven Scale:** A production-grade system that scales horizontally in the cloud to handle virtually any volume of traffic.
- **Pricing**: Flexible and competitive pricing for licensees

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Core Applications & Use Cases

- **Content Validation & Fraud Detection:** Validating music ingestion pipelines for DSPs and distributors to ensure metadata accuracy and prevent copyright fraud.
- **Copyright Monitoring:** Real-time scanning of social media and User-Generated Content (UGC) platforms to identify copyrighted material.
- **Mobile & Hardware Integration:** Empowering smartphones, smart speakers, and automotive infotainment systems with "What song is this?" functionality.
- **Advertising & Broadcast Tracking:** Fingerprinting, recognizing, and tracking music used in advertisements and streaming broadcasts.

Technical Capabilities

Feature	Specification
Accuracy	99.9+% benchmark accuracy on valid audio
Throughput	Scalable horizontal architecture
Catalog Size	Comprehensive database of tens of millions of tracks from major and independent labels, updated daily with new releases.
Integration	Available via a straightforward RESTful API or Python SDK.
Supported Formats	WAV (16-bit, 16kHz mono recommended), MP3, FLAC, M4A, Opus, and Speex.

Metadata & Insights

Every successful identification returns rich metadata to power a complete user experience:

- **Core Info:** Artist Name, Track Title, and Album Name.
- **Advanced Identifiers:** ISRC, Track ID, and Label Ownership Data
- **Enhanced Content:** Album art, synchronized "LiveLyrics®," and deep links to major streaming services for playback (optional). Label and provider information
- **Confidence Scores:** confidence scores are included in the results

SoundHound's Music Fingerprint Identification API is the ideal choice for organizations seeking **precision, speed, and reliability** in music recognition technology.

For evaluation access and technical documentation, please email ddenbo@soundhound.com