

Sakrament Speech Recognition Engine

Sakrament sounds good

Sakrament ASR Engine is a software solution designed for integration into voice enabled systems and various types of applications such as IVR systems, electronic devices, software and hardware. Sakrament ASR can be easily integrated into existing voice processing platforms and supports different configuration for a host of applications.

Sakrament ASR Engine 1.0 highlights

High Accuracy

High accuracy in noisy environments. Performance with accuracy measurements about 95-98 percents.

Speaker Independent

The use of original statistical models along with training data allows speech recognition engine to work across a wide range of speakers without the need for training.

Continuous Speech

The search algorithms in Sakrament ASR Engine are able to handle continuous sentences efficiently allowing application using vocabularies of continuous speech.

Open grammar

Allows true natural language understanding: unknown words may be spoken by users and no utterances are rejected.

Barge-in

This technology allows the users to interrupt the outgoing prompts simply by speaking over them when they know what they want to do next.

Multilingual

Sakrament speech recognition technology is designed to be language independent. With engineering support can develop additional languages quickly and efficiently.

Robust Voice Application User Interfaces

With Sakrament ASR developers can create easy to use application interfaces designed to increase customer self service and customer satisfaction levels.

For more information about Sakrament Speech Recognition Engine or for information on our customized voice products, give us a call at +375 (17) 284-0650. Please visit Sakrament Speech Technologies web site at <http://www.sakrament-speech.com>

Sakrament ASR Engine technical specification

- Speaker independent: Supports both speaker independent and speaker dependent recognition;
- Recognition quality is typically about 95-98 percents. Recognition rate depends on the size of active vocabulary, perplexity, transcription quality, corpus and background noise;
- Ability to work in noisy environment: The system detects difference between garbage and grammar based input and optimizes end point detection in noisy environments;
- Support of various recognition models;
- Open and close Grammars: Supports both open and close grammars. Provides flexibility to choose the best method per application;
- Grammar size: Virtually unlimited, real time recognition with active vocabularies. Currently includes 500 words;
- Languages: language –independent;
- APIs: Microsoft SAPI 5.x, SAPI 4.x;
- Can be used with any application supporting SAPI 5.1, SAPI 4.x protocol;
- Able to work with telephone lines using TAPI 3;
- Development languages: C, C++, Delphi, Java;
- Platform supported: Windows 98, ME, NT, 2000, XP;
- Additional components: Samples with source code;
- Extensive SDK documentation.

About Sakrament

Sakrament company, one of the leading software developer in the sphere of speech recognition and text-to-speech (TTS) technologies for the Russian language. Sakrament products, including Sakrament Text-to-Speech Engine (TTS) and Sakrament Speech Recognition Engine (ASR) provide the most natural communication solutions available for the Russian language. Sakrament technology allows to integrate speech solutions into existing voice processing platforms and develop a various types of speech enabled applications.



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