

Text-to-Speech Server



LumenVox Text-to-Speech Server

Over the years, many LumenVox Speech Engine users have asked for a Text-to-Speech (TTS) Engine of comparable quality to our other ASR products. Starting with LumenVox version 10.0, Text-to-Speech technology is available offering the most realistic, natural sounding speech on the market.

We offer male and female voices in:

- U.S. English
- U.K. English
- Australian English*
- Mexican Spanish
- Castilian Spanish
- Polish
- Romanian
- French
- German

The LumenVox TTS Server provides Text-to-Speech synthesis, turning written text into spoken speech. It supports the Speech Synthesis Markup Language (SSML), a way to format text within XML to control the pronunciation of words, but it can also accept plain text in order to perform synthesis. As with the LumenVox Speech Engine, the primary method of interacting with the TTS Server is through the Media Server in which case synthesized audio is provided back to the client application as an RTP stream.

This technology allows any computer or IVR application to convey information to a user providing an accurate and affordable means of speech enabling your telephony platform or software application.

Some common uses include telephone systems, automotive applications, and programs to assist the disabled. It is particularly useful when reading dynamic data that cannot be pre-recorded, such as reading live text from the Web or a street address from a database.

* Coming Soon.

This TTS Server was developed specifically to work with our Media Server, meaning that it can be controlled through MRCP versions 1 or 2, allowing for drop-in replacement of other TTS engines in dozens of various voice platforms supported by LumenVox. It also features an extension of the LumenVox C and C++ application programming interface, so you can write a custom application around the TTS Engine for total control.

And with the same client/server architecture used by the Speech Engine, it supports a fully distributed environment. Installing the LumenVox software across multiple machines allows for redundancy in your network, optimized server performance, and the ability to grow your application environment with your business.

One or more voice packages, also referred to as modules, can be purchased, downloaded, and installed in a manner similar to the LumenVox Speech Engine's language packages. These voices provide support for different languages and also provide different voices for a single language. For instance, American English has support for a variety of male and female voices to suit a user's exact needs.

LumenVox's TTS Server is designed to excel in telephony, IVR, and other similar command/control environments. So whether you are speech enabling a call router or looking to develop applications for the burgeoning mobile market, LumenVox has the full suite of products you need.

LumenVox. Speech Understood.

Since 2001, LumenVox has gained respect for its Speech Automation Software, Speech Engine, and Speech Tuning products, certified as amongst the most accurate and reliable in the industry. We're a speech automation solutions enterprise providing technology design, development, deployment, tuning and transcription services including native 64-bit ASR, TTS, AMD, and SLM solutions.

LumenVox Speech Engine 10.2

The LumenVox Speech Engine is an accurate, speaker- and hardware-independent, standards-based speech recognizer that supports multiple languages and performs speech recognition on data from any audio source.

The Engine provides speech application developers with an efficient development and runtime platform, allowing for dynamic language, grammar, audio format, and logging capabilities to customize their applications. Grammars are entered in the industry standard Speech Recognition Grammar Specification (SRGS).

What's new in Speech Engine 10.2?

- Improved performance, faster, less memory used, more throughput
- Improved accuracy, better acoustic models
- Improved Answering Machine performance with new API integration and fax tone detection
- Improved centralized logging and statistics tracking for all products
- New dashboard product to view logs, statistics, and system performance

LumenVox Speech Tuner

The LumenVox Speech Tuner is designed to perform tuning and transcription, as well as instant parameter, grammar, and version upgrade testing of any speech recognition application. It reduces the work of your post-deployment application revisions and allows you to bring tuning in-house, avoiding costly professional service fees.

Speech Engine

Speech Tuner

Text-to-Speech

AMD



Answering Machine Detection

LumenVox's Answering Machine Detection (AMD) technology delivers outbound messages by detecting answering machine and voicemail tones. The AMD is tested at 94%* accuracy.

Our tone-based detection is a significant innovation compared to many other energy-based answering machine detection technologies. The LumenVox AMD actually listens to tones facilitating more reliable and highly accurate message delivery. Since LumenVox is listening for the beep, your outbound dialing application won't know it's connected to a voicemail system at the beginning of a call. With higher tone-detection accuracy your message sounds more professional because it starts precisely where it should. The new LumenVox AMD is simple and effective.

*94% measured in large scale testing, based on recordings of actual calls. Accuracy may vary.

Why Choose LumenVox

Core Technology Experience

- Ten years creating carrier-grade ASR software
- Produced speech applications in many countries

Accuracy and Reliability

- Certified as amongst the most accurate and reliable ASR products in the industry

Leading Edge Technology

- Most powerful Speech Tuner in the industry
- Only major ASR vendor to offer 64-bit
- Most realistic, natural-sounding TTS

Cost-Effective and Flexible

- Multiple ways of billing and licensing
- Proven cost-effective and high-value

Hosting Experts

- Nearly twenty years of hosting experience, processing billions of minutes per year
- Scalability with little additional cost allows us to pass savings onto our clients