

ReadSpeaker SpeechServer - IVONA

ReadSpeaker SpeechServer is a server based solution for using a supported text-to-speech engine to produce streaming audio or audio files (dependent on License).

The License and rights are defined in a separate License Agreement.

There are different ways to interact with SpeechServer from your application. It offers a command line tool, REST API or TCP/IP communication protocol (Linux Only), pronunciation lexicon tool, and documentation.

Technical Specification

	Windows	Linux
Supported Operating System	Windows Vista, Server 2003 and later, Windows 7/8/10	CentOS 5, Fedora 5, RSHL5 (or higher).
Supported Architecture	Intel 64 bit (X86_64)	Intel 32 and 64 bit (x86/x86_64)
Run-time memory (RAM) recommendation	4 GB or more	4 GB or more
Voice footprints (High quality)	250-400 MB per voice	250-400 MB per voice
Supported Audio formats	PCM, Wav, Ogg, mp3*	PCM, Wav, Ogg, mp3*
Audio Quality (PCM/Wav) 8KHz, 16KHz, 22KHz	YES	YES
Sampling Depth (PCM) 16 bit	YES	YES
Ogg qualities supported: All; VBR, All; CBR	YES	YES
MP3 (*) quality All; CRB	YES	YS
Pronunciation lexicons	YES	YES
GUI Lexicon editor	YES (exe)	YES (requires Java)
Support UTF8 text and SSML as input **	YES	YES
Phonetic alphabet for lexicon transcriptions	X-SAMPA, IPA	X-SAMPA, IPA
DSP (speech rate, pitch and volume)	YES	YES
Command line interface	YES	YES
REST API	YES (***)	YES (***)
TCP/IP protocol ****	NO	YES
Configuration file support	YES	YES
Voice/Language Switch (via SSML)	YES	YES
Create marks file (to use for event notification – e.g. highlighting etc.)	YES	YES
Requires license file	YES	YES

*) mp3 format is supported but requires you to download and install the LAME package.

***) According to separate IVONA documentation

****) REST WEB API requires that the command line application is reachable via a CGI enabled web server application such as Apache.

*****) requires that XINETD or similar is installed