

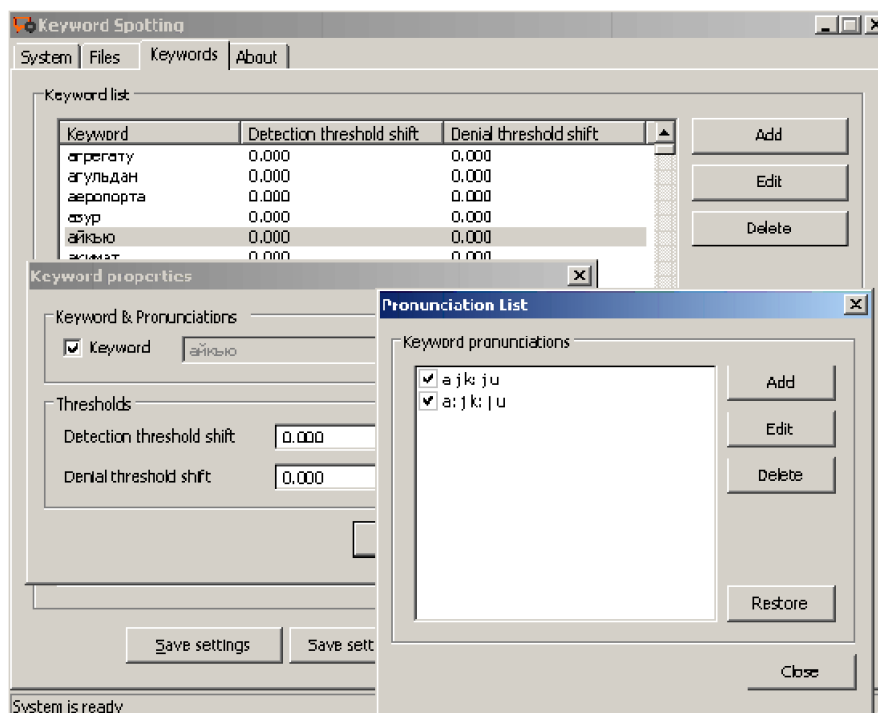
Phonexia Keyword Spotting

Phonexia Keyword Spotting helps you to spot valuable information in huge quantities of speech records. You only need to specify keywords you would like to find. The technology will allow you to route automatically important recordings or calls to an appropriate expert. The keyword spotter also saves keyword occurrences (file and timing) for later analysis.

- Records with positive detections can be moved up in your processing queue for human operators and therefore the reaction time is shorter.
- The chance to miss valuable pieces of information due to overloaded of your operators is reduced.
- You can process more records a day or save time of your operators for other investigation.

Use cases:

- Security/defense domain
 - Monitoring of telephone services
 - Raising of alarms immediately (on-line) when an event happens
 - Routing of a call according to defined keywords
- Call centers (commercial, emergency)
 - Storing calls containing important keywords
 - Call analysis
- Quality assessment
- Web search servers working with speech
 - Searching of spoken documents for given keywords



Technology:

This technology uses an acoustic approach based on artificial neural networks. The key advantage of this approach is its speed.

Features:

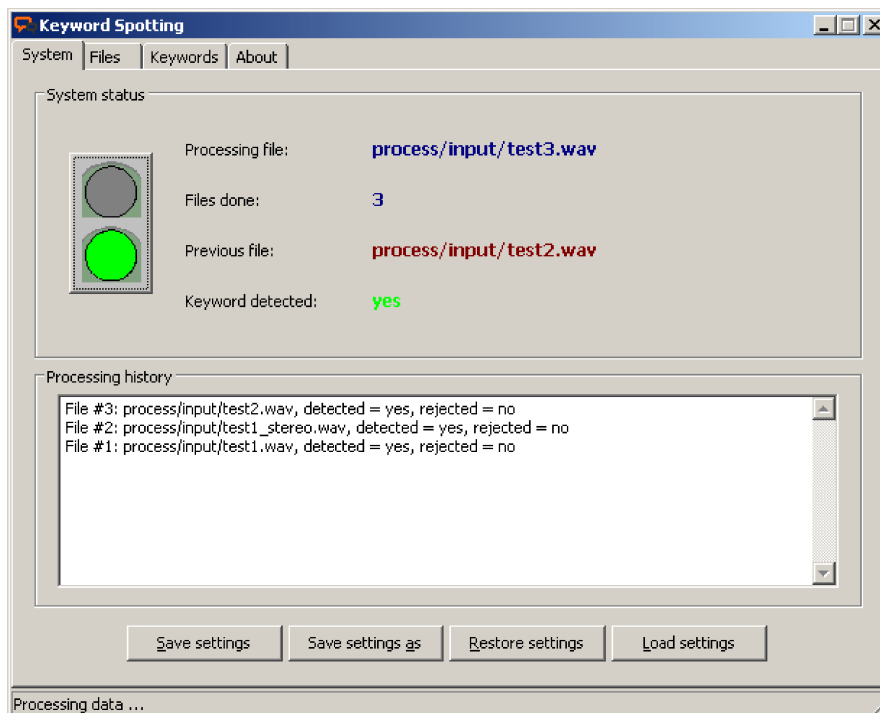
- Languages available in the system: **English, Russian, Czech, Slovak, Hungarian, and Polish** (ask Phonexia for the availability of other languages)
- Unlimited number of keywords.
- Possibility to set detection thresholds and modify pronunciation variants
- Three times faster than real-time (for tens of keywords)
- Input: directory with audio files or list of files
- Input format: MS Wave, RAW with linear coding (8 or 16 bits), A-law or Mu-law
- Sampling frequency: 8000Hz
- Output: speech file moved to a particular directory based on keywords found, file of detected keywords, log file of processing information.

Usage:

- This software can be used through a GUI or command-line interface
- Phonexia offers Software Development Kit for easy and fast integration with your systems.

New languages:

- Phonexia offers adaptation of keyword spotting systems to target acoustic channels and application task.
- Phonexia offers custom development of keyword spotting systems for new languages and target acoustic channels.



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