DynaSpeak®
Speech Recognition Engine

DynaSpeak combines the reliability and accuracy of a high performance, server-based speech recognizer with the advanced new features essential to mobile applications. These features include: footprint miniaturization to fit mobile processors; speaker and noise adaptation for noisy environments; rapid grammar switching to support dynamic applications from a single recognizer; and lightweight grammar updates that enable use with remote data services and natural-language engines.

DynaSpeak is a product of SRI’s Speech Technology and Research Laboratory, a world leader in speech technology research.

Features
- Small footprint: 750KB–2MB enables compact deployment
- Statistical grammar option for natural language and domain-specific dictation
- Adaption to background noise
- Compact grammars for fast updates
- Speaker adaption improves recognition with each new utterance
- Non-native speech models for robustness to strong accents
- Support very large vocabulary (50,000+ words)

Full-Featured Speech Recognition Engine for Scalable Use in Smartphones to Cloud Servers

Specifications
- Minimum Processor Requirements
  200 MHz StrongArm
  66 MHz Intel x86
  Support for other hardware available on request
- Minimum Memory Requirements (KBs)
  Total: 750
  Executable (ROM): 350
  Acoustic Models (ROM): 100
  Active Search (RAM): 300 or greater for highly complex grammars
- Supported Languages
  Adults: American & British English, Latin American Spanish, Iraqi Arabic, Pashto, and Dari (others on request)
  Children: American English
  Grammars: Statistical or JSGF forms; static or dynamic; dictation option
- Software Environments
  Operating Systems: Windows, Mac OSX, Linux, and Android (others on request)
  Development: C/C++, Java (via JNI), client/server versions available

SRI International
Silicon Valley-based SRI International, a nonprofit research and development organization, performs sponsored R&D for governments, businesses, and foundations.

SRI brings its innovations to the marketplace through technology licensing, new products, and spin-off ventures.

Commemorating its 65th anniversary in 2011, SRI is known for world-changing innovations in computing, health and pharmacueticals, chemistry and materials, sensing, energy, education, national defense, and more.

SRI Sarnoff is well known for its broadcasting, vision, and semiconductor innovations.

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