

ENOUNCE



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Version 4.0

**ENOUNCE TIME-SCALE MODIFICATION SOFTWARE
 FOR
 DSP and Micro-Controllers**

TARGET MARKET

Digital media playback devices that require variable speed playback of audio without pitch changes. Typically DSP or micro-controller based:

- o **Voice Messaging Systems**
- o **MP3 Players**
- o **Personal Video Recorder (PVRs)**
- o **Multi-Channel Voice-Mail Systems**
- o **Answering Machines**
- o **Wireless Messaging Devices**
- o **CD Players**
- o **Computer-Based Media Players**
- o **Studio Recording Equipment**
- o **Transcription and Systems**
- o **Surveillance Systems**

DSP Platforms:

- o Texas Instruments: C54xx and C55xx

PROFILE AND PRODUCTS

Enounce provides two library configurations:

- o Time-Scale Tailor (Buffer-Free)
- o Time-Scale Tailor (Streaming)

Other important information:

- o All sampling rates supported
- o Extremely efficient (<1 math op / sample)
- o Smooth Speed changes without pausing playback
- o Trade-off Quality versus Computational load dynamically during runtime without pausing playback
- o Low latency
- o Stateless implementation allows for multi-channel code re-use
- o Compact memory footprint
- o Fixed runtime storage requirements
- o Extremely Small program size

CONTACT INFORMATION

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For a complete listing of products, visit:

<http://www.enounce.com>
[1-877-ENOUNCE](tel:1-877-ENOUNCE)

COMPARISON

Resource	TS-Tailor (Streaming)	TS-Tailor (Buffer-Free)
Heap Mem	160 mSec	5 mSec
Program Size	8,000 bytes	3,468 bytes
Data Interface	Accepts sample counts from 1 to user-selectable buffer size	Integration required for striding through data
Data Block Sizes	0 to MaxBuf (75 mSec ideal)	28 mSec

*data for speeds 0.5 to 2.0 normal (mono signal)
 Multiply by mSec by Sample-rate/1000 for storage

BUSINESS MODEL

Enounce licenses its patented technology and software in a variety of voice applications which benefit from variable speed playback which maintains pitch, speaker identity, and intelligibility in the presence of background noise.