

# **SPEAKLIB**

Conversion program

**COLLABORATORS**

	<i>TITLE :</i> SPEAKLIB		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY	Conversion program	October 9, 2022	

**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

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## Chapter 1

# SPEAKLIB

### 1.1 Overview of SPEAKLIB

Overview

An Acid Software Library

Converted to AmigaGuide by

Red When Excited Ltd

Used with the permission of Acid Software

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### 1.2 SPEAKLIB

Statement: Speak

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Modes :

Syntax : Speak string

The Speak command will first convert the given string to phonetics and then pass it to the Narrator.Device. Depending on the settings of the Narrator device (see SetVoice) the Amiga will "speak" the string you have sent in the familiar Amiga synthetic voice.

### 1.3 SPEAKLIB

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Statement: SetVoice

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Modes :

Syntax : SetVoice rate(150),pitch(110),expression(1),sex,volume(64),freq(22200)

As the following example shows you could very well rename the Speak command the Sing command!

```

;
; sing the praises of Blitz BASIC!
;
While Joyb(0)=0
  pitch=65+Rnd(255)
  rate=100+Rnd(200)
  SetVoice rate,pitch,1,1,64,22200
  Speak "BLITZ BASIC"
Wend

```

## 1.4 SPEAKLIB

Statement: Translate\$

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Modes :

Syntax : Translate\$ returns phoneme translation of a string

Translate\$() returns the phonetic equivalent of the string for use with the Translate

## 1.5 SPEAKLIB

Statement: PhoneticSpeak

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Modes :

Syntax : PhoneticSpeak phonetic string

PhoneticSpeak is similar to the Speak command but should only be passed strings containing legal phonemes such as that produced by the Translate\$() function.

## 1.6 SPEAKLIB

Statement: VoiceLoc

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Modes :

Syntax : VoiceLoc returns location of newvoice struct

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VoiceLoc returns a pointer to the internal variables in the speech synthesiser that enable the user to access new parameters added to the V37 Narrator Device. Formants as referred to in the descriptions are the major vocal tracts and are separated into the parts of speech that produce the bass, medium and trebly sounds.

The new parameters are as listed

Parameter	Effect
\flags	set to 1 if using extended commands
\f0enthusiasm	amount of pitch difference on accents default=32
\f0perturb	amount of "wurbble" ie random shake default=0
\f1adj,\f2adj,\f3adj	pitch adjust for low medium and high frequency formants 0= default ←
\a1adj,\a2adj,\a3adj	amplitude adjust for low medium and high frequency formants ← 0=default
\articulate	speed of articulation 100=default
\centralize	amount of the centphon vowel in other vowels 0=default
\centphon	a vowel to which all others are adjusted by the \centralize ← variable, (limited to IY, IH, EH, AE, AA, AH, AO, OW, UH, ER and UW)
\AVbias,\AFbias	amount of bias added to voiced and unvoiced speech sounds, ← (y, r, w, m vs st, sh, f).
\priority	task priority when speaking 100=default

## 1.7 SPEAKLIB

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 | SPEAKLIB |  
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Overview

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