

4D Say 1.2

(Yes... another update, but it's free!)

By Djundi Karjadi

Natural Intelligence Consulting

4D Say is an external procedure for 4th Dimension that interfaces to MacinTalk, allowing 4D to speak!

[Note to Ver 1.1 users: This version will “beep” if 4D Say is unable to find the MacinTalk speech driver, or if the version of MacinTalk is incompatable.]

[Note to Ver 1.0 users: This version fixes the “bug” that caused MacinTalk to lose the first few words, the first time it was accessed.]

Installation

1. Apple's MacinTalk speech driver must reside in your System Folder. Note also that if you are using a Macintosh II, you need MacinTalk speech driver 1.31 (or beyond).
2. You can install 4D Say in two different ways:
 - A. You can install 4D Say directly into your application database or 4D application by using the 4D External Mover. If you only want it installed in a specific database application, choose the

respective **dbname.res** file and install it there. Remember to hold down the option key when opening the **.res** file. Only install the **Say** procedure; ignore the “%A5init.” To install in the 4D directly, do the above with the 4D application.

B. Rename the **4D Say** file to **Proc.ext** (type it exactly, since 4D specifically looks for that filename) and put it into your System Folder so it's available for all the 4D applications.

Usage

Say (Stringvar;<#1>;<#2>;<#3>)

where:

Stringvar is any valid 4D string variable or constant

#1 is an optional integer setting of 0 or 1 with 0=Normal and 1=Robotic voice

#2 is an optional integer that controls the rate of the MacinTalk speech

#3 is an optional integer that controls the pitch of the speech

Example: Err:="You have entered an invalid value!"

Say (Err;0;100;175)

(Normal voice, 100 rate, 175 pitch)

Or you can use a constant directly in the string value:

Example: **Say** ("Today is"+String(Current date);1;;100)

(Just changes voice and pitch; doesn't affect rate)

Experiment with different and extreme rates and pitches for interesting "processing" sound effects. If anybody is interested in the source code (MPW Pascal), I can upload it upon request (for educational purposes only).

Djundi Karjadi

Natural Intelligence Consulting - Boston, Mass.

MacNet ID: JUNDI, NATURAL

Genie ID : D.KARJADI

DELPHI: NATURAL

CIS: 73537,1223 (Djundi) - 72427,177

(Natural)

Have a blast.