

## 4D Say 1.2

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

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**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).

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Have a blast.