

## **ROBOSAPIEN PROGRAM FEATURE #18: SONG AND DANCE PROGRAMMING**



**“Word to your calculator.”**

Your RoboSapien has some limited singing and dancing skills. Power on your robot, wait until he finishes his wakeup, then enter the following...

**Press P**  
**Select – Select - TALKBACK**  
**Select – R>**  
**Select – S>**  
**Select – L>**  
**Select – R>**  
**Select – S>**  
**Select – L>**  
**Select – Select - TALKBACK**  
**Select – R>**  
**Select – L>**  
**Select – R>**  
**Select – L>**  
**Select – R>**  
**Select – Select - BURP**

The robot will automatically execute an amusing short “rap” song. Press **STOP** to end, press **P>** to play again.

The default reaction sounds under the **R>**, **S>**, and **L>** can be reconfigured a variety of ways with the RoboSapiens’ other personality noises. For example, enter the following...

**Press P**  
**Select – L>**  
**Select – L>**  
**Select – S>**  
**Select – S>**  
**Select – S>**  
**Select – L>**  
**Select – L>**  
**Select – S>**  
**Select – S>**  
**Select – S>**  
**Select – R>**  
**Select – R>**  
**Select – L>**  
**Select – Select - STOP**

The robot will automatically sing another “song”. Press **STOP** to end, press **P>** to play again.

### **DANCING:**

Once you have a beat you like, you can now program the reflexes with motions that will allow the robot to dance.

With the last program still under the master program **P**, enter the following...

**Press R>**  
**Right Shoulder UP**  
**Select – LEANFWD**  
**Left Shoulder UP**  
**Select – LEANBWD**  
**Right Shoulder DOWN**

## **Left Shoulder DOWN**

Press **STOP**, or wait for the routine to finish, then enter the following...

**Press S>**

**Select – LEANBWD**

**Select – LEANFWD**

**Select – LEANBWD**

**Select – LEANFWD**

**Left Forearm OUT**

**Right Forearm OUT**

Press **STOP**, or wait for the routine to finish, then enter the following...

**Press L>**

**Select – LEANFWD**

**Tilt RIGHT**

**Select – LEANBWD**

**Tilt LEFT**

**Right Forearm OUT**

**Left Forearm OUT**

Press **STOP**, or wait for the routine to finish, then press **P>**. The robot will now go through a 40 second long dance routine.

To hear your original song again without erasing your reflex dance moves, press...

**Select – P**

If you want to change the beat or length, you can change your song without affecting your dance moves by pressing **P** and entering a new song (like the first song above for example).

In this way, you can easily enter a basic beat and edit dance moves in any pattern. Add **LISTEN** commands through your reflex steps to make the robot dance in beat to loud songs from your stereo. Add walk and turn commands to make him cover some dance-floor territory.

Many combinations are possible. Variations are encouraged.