Using PScon's Position Manager to Create Movements

PScon's position manager helps build movements one position at a time. Each position can be compared to an individual frame of a moving picture or a single sheet of a cartoonist's work. To make a movement there must be several positions. Once these positions are created, SconScript can orchestrate movement by accessing individual positions, something like a movie projector, although with Scon, they do not need to be in sequence.

With all of your servos connected, open the Position Manager. Now set the Position Memory Address to 10000 and Click "Get". The display now shows the values for eight servos. Servo settings at 65,535 will be ignored when the position is used. Now Click "Current", this will display the values that the servos are set at right now. Clicking the big or small "+" or "-" will cause immediate live servo movement for the associated servo.

Creating a positions

Now set the Position Memory Address to 10000 and Click "Get". Move the servos using the "+" and "-" buttons to create a specific combined servo location for your hardware. Once done, click the "Put" button. You have just saved the value for all servos in memory element 10000.

Leaving the servos at the previously set positions, set the Position Memory Address to 10001. Move the servos using the "+" and "-" buttons to create a different specific combined servo location for your hardware. Once done, click the "Put" button. You have just saved the value for all servos in memory element 10001.

Now set the Position Memory Address to 10000 and Click "Move to Position". Notice that the servos moved to the position first set. Click the "Dec & Move" button then the "Bump & Move"; the servos alternate between the two positions previously set. SconScript can now use the positions to move the servos just like these buttons. There are 32,000 elements for position and program storage. SconScript adds other controls such as rate and conditional movement.

There are three methods to control speed with Scon: Dynamic Synchronized rate control; Synchronized rate control. Refer to the Rate and Speed Control document for further information.