

# Technical Note – 10.1

## Attention

### Re-latch Timer

You have purchased a 2servo plus hook servo re-latch timer. Make sure that the battery you use has adequate capacity and can deliver sufficient current to drive the 3 servos. If the battery is a NiMH it should be at least 170ma, preferably 300-350 ma.

### Servo Multiplier

This timer is similar to the Black Magic 3 servo timers. It had a fractional multiplier for there servo. The multiplier is 3 digits with an implied decimal point. So 410 is really 4.10 .

### Servo Power Save Feature

This timer has the servo power save feature. This is an optional feature that turns off power to the servos after 1 seconds of in activity during the tow and 2 seconds during the flight. This can prolong battery life. But you must make sure that the flight loads do not cause the control surface to move.

To enable this feature you must have the Super Magic program for the Palm with version 4.75 or later. The servo power save feature is activated by selecting ssave check box on the GenP screen.

### Hook Connection

The hook forward sensor for this timer is the same as for all Magic Timers. The Unlatch sensor functions differently. When the unlatch tension is reached the switch should close. When the line tension falls below the unlatch tension the hook should open and the hook will re-latch . Note that it is possible to design the hook in such a way that the re-latch tension is less than the unlatch tension. It is a good idea to do this.

### Hook Servo

The hook servo takes the place of servo 3. The two positions of the servo are specified on the MORE screen by the Close and Open values. The servo parameters for this servo are the same as servo 1.

May 2011