

## LED-1 Single Color LED Controller

- This device connects to a servo controller in exactly the same way a servo motor is connected
- Power for this board is obtained from the servo controller (valid voltage range is 4.7V – 12V)
- When connecting to controller software (such as VSA) the valid pulse 'range' should be set to values between 1000 and 2000 as shown in the diagram. A value of 1000 (or less) will turn the LEDs off and at a value of 2000 (or more) the LED will be at its maximum brightness.

Connect to SSC-32 servo controller or equivalent.

White = Signal  
Red = power  
Black = Ground  
(same as servo motor)

### VSA Setup

The screenshot shows the 'Settings' window with the 'Timing Settings' tab selected. A table lists the configurations for four tracks. Red arrows point to the 'Type', '+Value', and '-Value' columns with labels: 'Set to SSC-32 servo', 'Set to Max to 2000', and 'Set to Min to 1000'.

Track	Name	Type	Port	Addr	+Value	-Value	Default
<input checked="" type="checkbox"/>	LED Eyes	SSC32 Servo	COM1	0	2000	1000	1000
<input checked="" type="checkbox"/>	Head Left/Right	SSC32 Servo	COM1	1	1800	500	1200
<input checked="" type="checkbox"/>	Head Up/Down	SSC32 Servo	COM1	2	2200	600	600
<input checked="" type="checkbox"/>	Head Tilt	SSC32 Servo	COM1	3	2450	600	1500

