



## Set Up

1. Unpack your new Pyro Duo Laser and inventory the following: One Duo Laser. One power cable. One Manual.
2. Mount and aim the Duo so the laser beams will not shine on any people. It is important to aim the laser above the audience or performers where they cannot be hit by a beam.

## Automatic Operation

**Sound Active.** Set dipswitch 10 to on.

⇒ Your new laser will now cycle through the different patterns and change along with the music.

**Auto.** Set dipswitch 1 and 10 to on.

⇒ Your new laser will now cycle through the different patterns at it's own rate

### Dip Switch Chart

X=off 1=on

1	2	3	4	5	6	7	8	9	10	
x	x	x	x	x	x	x	x	x	1	Sound Active
1	x	x	x	x	x	x	x	x	1	Auto
(DMX Address)									x	DMX Mode
See DMX Addressing Below										

### DMX Operation

Enable the DMX Mode by switching dipswitch 10 to off. Choose the DMX address with the remaining dipswitches. (See charts below.) Yes, there is math involved.

Switch #1 to on for channel 1. Switch #2 for channel 2. Switch #1 and #2 for channel 3. Switch #3 for 4. Switches #1, #2 and #3 for channel 7. (Use the chart below  $1+2+4=7$ )

### DMX Dipswitch Values

1	2	3	4	5	6	7	8	9	10
1	2	4	8	16	32	64	128	258	*

### Common DMX Channels for DMX Controllers

Fixture #	1		2	3	4	5	6	7	8	9	10	11	12
DMX ADDR	1	9	17	33	49	65	81	97	113	129	145	161	177
Pin Setting	1	1,4	1,5	1,6	1,5,6	1,7	1,5,7	1,6,7	1,5,6,7	1,8	1,5,8	1,6,8	1,5,6,8

If you want an easier way to set dipswitches go to the following link and use the dipswitch calculator. [http://www.thedmxwiki.com/definitions/dip\\_switches/](http://www.thedmxwiki.com/definitions/dip_switches/)

<b>DMX Control Chart</b>			
<b>Channel</b>	<b>Function</b>	<b>Setting</b>	<b>Effect</b>
<b>1</b>	<b>Control Mode</b>	<b>0---69</b>	<b>Laser Off</b>
		<b>70--139</b>	<b>Sound Active Pattern Change</b>
		<b>140-209</b>	<b>Automatic Pattern Change</b>
		<b>210-255</b>	<b>Manual</b>
<b>2</b>	<b>Pattern Select</b>	<b>0---33</b>	<b>Static Patterns</b>
		<b>34--255</b>	<b>Dynamic Patterns</b>
<b>3</b>	<b>Strobe</b>	<b>0---29</b>	<b>No Strobe</b>
		<b>30--255</b>	<b>Strobe from Slow To Fast</b>
<b>4</b>	<b>Spot to Line</b>	<b>0---255</b>	<b>Change pattern from smooth Line to a series of dots</b>
<b>5</b>	<b>Horizontal Position</b>	<b>0---160</b>	<b>Manual Position</b>
		<b>161-190</b>	<b>Automatic Motion From right to left</b>
		<b>191-220</b>	<b>Automatic Motion From left to tight</b>
		<b>221-255</b>	<b>Automatic Motion Back and Forth</b>
<b>6</b>	<b>Vertical Position</b>	<b>0---160</b>	<b>Manual Position</b>
		<b>161-190</b>	<b>Automatic Motion From Down To Up</b>
		<b>191-220</b>	<b>Automatic Motion From Up to Down</b>
		<b>221-255</b>	<b>Automatic Motion Up And Down</b>
<b>7</b>	<b>Pattern Size</b>	<b>0</b>	<b>Normal</b>
		<b>1---255</b>	<b>Change Size from Small to Big</b>
<b>8</b>	<b>Color Select</b>	<b>0---255</b>	<b>Choose the different colors or combination of colors</b>
<b>9</b>	<b>Reset</b>	<b>0---199</b>	<b>No Effect</b>
		<b>200-255</b>	<b>Will force the fixture to reset</b>

**Important Note: Channels 3 through 8 will only respond if channel 2 is in the static pattern Mode (0---33)**

#### Specification:

1. Model: Pyro Duo
2. Laser power: Red 100mw+Green 30mw
3. Laser Color: green and red
4. Wave length: Green 532nm+Red 650nm
5. Power supply: 100V---120V or 220V---250V
6. Frequency: 50-60Hz
7. Play Mode: Sound active, Auto, DMX512
8. Laser Pattern: more than 64 laser patterns
9. Scanner: N1.8high precision stepper motor
10. Scanning Angle: plus-minus 30 degree
11. Cool system: fan
12. Net weight: 6lb 10 oz
13. Dimension: 45\*36.8\*35cm

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For more info on Pyro Lighting contact us at 414 453 2794