

# Eliminator<sup>®</sup>

## LIGHTING



## Crystal Ray LED

### SPECIFICATIONS:

<b>Model:</b>	Crystal Ray LED
<b>LEDs:</b>	(28 Red, 28 Green, 28 Blue, & 28 White)
<b>Weight:</b>	4.6lbs./ 2.1kgs.
<b>Size:</b>	18" (L) x 13" (W) x 8.5" (H)
<b>Fuse:</b>	1 Amp
<b>Supply Voltage:</b>	100V-240V 50/60Hz
<b>Working Position:</b>	Any Safe position
<b>Duty Cycle:</b>	None
<b>DMX Channels:</b>	4
<b>Colors:</b>	RGBW
<b>Warranty:</b>	1 Year

**CAUTION!** Please read and understand these instructions before installing or operating this unit.

**Caution!** Never open unit when in use. Always disconnect main power before replacing fuse. Remember to always replace with the exact same type fuse.

### Operating Instructions:

The Crystal Ray LED has been tested at the factory, there is no assembly required. The unit is ready to be plugged into a power outlet. This unit is a 4 channel DMX intelligent LED sweeping fixture. It can be run as a stand-alone unit, DMX controlled unit, or in a Master/Slave configuration. While in Stand Alone or a Master/Slave configuration, the auto mode and sound active mode will run together. The fixture will enter Auto Mode when sound is not present. For stand-alone mode, Master/Slave configuration, and DMX Control see other side.

**1 Year Limited Warranty:** Eliminator Lighting warranty is valid from the date of purchase. Our 1 year limited warranty covers manufacturing defects only. Serial number, place of purchase with dated valid receipt must be submitted at time of service. Eliminator Lighting warranty does not cover items or parts prone to wear and tear: LEDs, fuses, brushes and belts. Eliminator Lighting warranty is only valid with-in the United States.

**Stand Alone (Auto Mode and Sound Active mode):**

1. Plug the fixture in and put dipswitches 1-9 & dipswitch F2 in the “Off” position, and put the F1 dipswitch in the “On” position.

**Universal DMX Control:** This unit allows you to use any universal DMX-512 controller to control the different DMX traits. A DMX controller allows you to create unique programs tailored to your individual needs.

1. The Crystal Ray LED uses four DMX channels.
2. To control your fixture in DMX mode, follow the set-up specifications that are included with your DMX controller.
3. Set your desired DMX address using dipswitches 1-9.
4. Use the controller’s faders to control the various DMX fixture traits.
5. For longer cable runs (more than a 100 feet) use a terminator on the last fixture.
6. For help operating in DMX mode consult the manual included with your DMX controller.

**Master-Slave Operation (Auto Mode or Sound Active):** This function will allow you to link up to 16 units together and operate without a controller. In Master-Slave operation one unit will act as the controlling unit and the others will react to the controlling units operation. Any unit can act as a Master or as a Slave.

1. Using standard XLR microphone cables, daisy chain your units together via the XLR connector on the rear of the units. Remember the Male XLR connector is the input and the Female XLR connector is the output. For longer cable runs we suggest a terminator at the last fixture.
2. The dipswitch settings for Master/Slave mode is as follows. For Sound Active mode the Master unit must have dipswitches 1-9 in the “Off” position and F1 dipswitch in the “On” position.
3. For the slave units, put dipswitch F1 “On” and F2 “Off” for a synchronous pattern. For a contrasting pattern put the F2 dipswitch in the “On” position.

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**DMX TRAITS:****CHANNEL 1: MODES**

0 - 15 = MIX AUTO  
16 - 127 = MACRO  
128 - 239 = SOUND ACTIVE SINGLE SHOW  
240 - 255 = SOUND ACTIVE MIX SHOW 1-15

**CHANNEL 2: SHOWS**

0 - 17 = SHOW 1  
18 - 34 = SHOW 2  
35 - 51 = SHOW 3  
52 - 68 = SHOW 4  
69 - 85 = SHOW 5  
86 - 102 = SHOW 6  
103 - 119 = SHOW 7  
120 - 136 = SHOW 8  
137 - 153 = SHOW 9

**CHANNEL 2: SHOWS CONT.**

154 - 170 = SHOW 10  
171 - 187 = SHOW 11  
188 - 204 = SHOW 12  
205 - 221 = SHOW 13  
222 - 238 = SHOW 14  
239 - 255 = SHOW 15

**CHANNEL 3: MACROS & PROGRAM SPEED**

0 - 7 = BLACKOUT  
8 - 241 = 39 SCENES  
242 - 247 = SPEED FLASH  
248 - 255 = FULL ON  
0 - 255 = PROGRAM SPEED SLOW - FAST

**CHANNEL 4: MASTER DIMMER**

0 - 255 = INTENSITY 0% - 100%

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When Channel 1 is between the values of 0 - 15, channel 3 will control the speed of the auto program.