

## PRO **COLOR** cannon



# USER MANUAL

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# MEGA LITE

PRO  
**COLOR**  
cannon



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Check that the unit has not been damaged during transport



Read all cautions and warnings  
prior to operation of this  
equipment

#### Protection Against Fire



Fire

1. Maintain a minimum of 1 foot distance from any type of flame.
3. Replace fuse only with the specified type and rating.
4. Do Not install the unit too close to a heat source.
5. Make sure cables are properly secured away from unit movement.
6. Maximum surface operating temperature 80°.

#### Protection Against Fire



Electrical

1. Disconnect power before servicing.
2. For connection to main power supply proceed to page 5.
3. This unit must be earthed. (electronically grounded)
4. Do not expose unit to rain or moisture.

#### Protection Against Mechanical Hazards



Mechanical

1. Use safety chain when hanging unit.
2. Use quality clamps or bolts when positioning unit
3. Do not open unit while it is on, risk of electrical shock.

# Technical Information



## Catalog Logic

3000	RGB	30	-XX
Housing	LED Module	Lens Module	Options
<b>3000-</b> Pro Color Cannon Black Housing <b>3001-</b> Pro Color Cannon White Housing	<b>TRGB-</b> Tri Colored RGB <b>TWWA-</b> Tri Colored WWA <b>RGB-</b> 3 Watt Red, Green, Blue <b>WWA-</b> 3 Watt White, White, Amber	<b>15-</b> 15° Lens Kit <b>30-</b> 30° Lens Kit <b>60-</b> 60° Lens Kit	<b>BD-</b> Barn Door <b>GH-</b> Gel Holder

## Mechanical Specifications

- DMX Connectors:** 3-pin & 5 Pin XLR connectors
- Power Connection:** Neutrik Power Con in/Out
- Thermal:** Maximum ambient temperature 40° C  
Maximum surface temperature 60° C
- Fastening System:** Double Mounting Yoke & Security Eye bolt
- Accessories:** 1 / Edison power head to Blue Power Con cable (included)  
1 / White Power Con head (included)



Fixture	Packaged for Shipping
Size: 9.5" x 8.75" x 11.25"	Size: 14" x 10" x 11.5"
Weight: 6 lb	Weight: 7.5 lbs

## Electrical Specifications

- LED Quantity:** 36
- LED Type (Options):** Tri Colored RGB  
Tri Colored WWA  
Red, Green, Blue  
White, White, Amber
- LED Watts:** 3
- LED Lifetime:** 60 to 100 thousand hours
- LED Angle (Options):** 15° (± 5°)  
30° (± 5°)  
60° (± 5°)
- Power Consumption:** 110V-220V50/60 Hz
- Ballast:** Electronic
- Watts:** 71  
**Amps:** .91

## Control & Programming

- Protocol:** DMX 512
- DMX Channels:**
- |               |            |                                 |
|---------------|------------|---------------------------------|
| <b>Mode A</b> | 3 Channels | R,G,B                           |
| <b>Mode P</b> | 4 Channels | Dimmer/Strobe, R,G,B            |
| <b>Mode F</b> | 6 Channels | R ,G ,B, Strobe, Macro , Dimmer |
- Control options:** Audio-trigger


## Main Power Connection

### Caution!

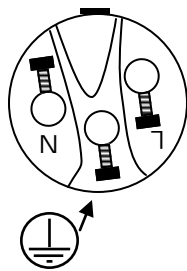
1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (electronically grounded)
4. Replace fuse only with the specified type and rating.

The occupation of the connection-cable is as follows:

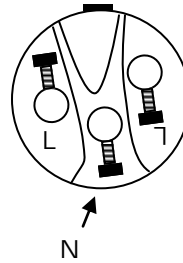
This fixture is equipped with an electronic power supply that will let the unit operate from 90V to 240V from 50Hz to 60Hz

Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	L
Green	Yellow/Green	Ground		N

110V  
Connection



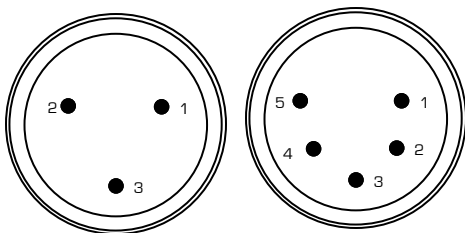
220V  
Connection



## DMX-512 Connection

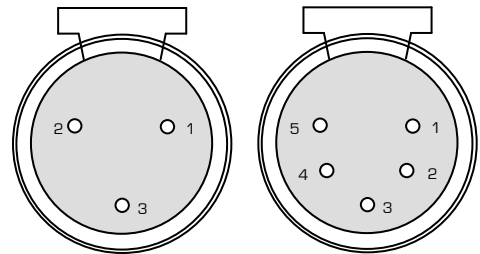
The fixture is equipped with 3 pin and 5 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

### DMX—input



1. Shield
2. Signal (-)
3. Signal (+)

### DMX—output



### Caution!

At the last fixture the DMX signal needs to be terminated with a terminator. Solder a 120 Ohm resistor between the (-) and the (+) signal into a 3 pin XLR plug and plug it in to the last fixture on the signal run. Pre-manufactured terminator plugs are available for purchase from your Mega-Lite dealer (HOS-DMXT).

# Pro Color Cannon Mode A

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255

# Pro Color Cannon Mode P

DMX Chanel	Function	Description	Value
1	Dimmer	Dimmer	0-152
		Strobe (slow to fast)	153-242
		Dimmer Full On	243-255
2	LED Color	Red LED intensity	0-255
3	LED Color	Green LED Intensity	0-255
4	LED Color	Blue LED Intensity	0-255

# Pro Color Cannon Mode F

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
4	Strobe	Strobe (slow to fast)	0-255
5	Macro	No Function	0-1
		Color fade (slow to fast)	2-19
		Color Snap (slow to fast)	20-39
		Random (slow to fast)	40-59
		Yellow	60-79
		Purple	80-99
		Aqua	100-119
		Orange	120-139
		Red Pulse	140-159
		green Pulse	160-179
		Blue Pulse	180-199
		Yellow Pulse	200-219
		Aqua Pulse	220-229
White Pulse	230-249		
White LED Full	250-255		
6	Dimmer	Dimmer Off to Full	0-255

# Main Control Menu

The control board on the fixture base is your interface to access and control all the functions on the unit. Its digital display gives you a code view of the options and functions. The following will explain each function and its options.

## CONTROL BOARD



Menu Up Down Enter

DMX Address	Red Dimmer	Green Dimmer	Blue Dimmer	Flash	Fade Scroll	Flash Scroll	Chase Effect	Chase Speed	Sound Chase	Sound Flash	Sound Sensor
Addr	rL--	gL--	bL--	FLAS	FADE	RSC-	CE--	CS--	SouA	SouF	SEnS
1-512	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	Loop	Loop	0-15

<p><b>Addr   DMX Address</b></p> <p>Press <b>Enter</b> to select the mode of operation.</p> <p>Use the <b>up/down</b> keys to select the required DMX start channel.</p>	<p><b>Mode A</b> (3 Channels) R,G,B</p> <p><b>Mode P</b> (4 Channels) Dimmer/ Strobe, R,G,B</p> <p><b>Mode F</b> (6 Channels) R,G,B, Strobe, Macro, Dimmer</p>
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**rL-- | Red Dimmer**

This function allows you to dim the red LED's on the whole strip. Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

**gL-- | Green Dimmer**

This function allows you to dim the green LED's on the whole strip. Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

**bL-- | Blue Dimmer**

This function allows you to dim the blue LED's on the whole strip. Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

**FLAS | Flash**

This function allows you to strobe the LED's on the whole strip in White color. Press **Enter** use the **up/down** keys to select desired flash settings. Press **Enter** to confirm the settings.



## FADE **Fade Scroll**

This function allows you to fade the LED's on the whole strip from one color to another. Press **Enter** use the **up/down** keys to select desired fade speed settings. Press **Enter** to confirm the settings.

## ASC - **Flash Scroll**

This function allows you to change the LED's on the whole strip from one color to another. Press **Enter** use the **up/down** keys to select desired color change speed settings. Press **Enter** to confirm the settings.

## CE - - **Chase Effect**

This function allows you to select different chase patterns on the whole strip. Press **Enter** use the **up/down** keys to select desired chase settings. Press **Enter** to confirm the settings.

## CS - - **Chase Speed**

This function allows you to select the speed of the chase that was selected on the Chase function . Press **Enter** use the **up/down** keys to select desired chase speed settings. Press **Enter** to confirm the settings.

## SOUR **Sound Chase**

This function allows you to select the chase pattern that will be triggered via audio. Press **Enter** use the **up/down** keys to select desired Chase settings. Press **Enter** to confirm the settings.

## SOUF **Sound Flash**

This function allows you to select the flash pattern that will triggered via audio. Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

## SENS **Sound Sensor**

This function allows you to select the sensitivity of the audio sensor. Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

## Rigging the fixture

### Caution!

1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injuries if you have doubts concerning the safety do not install.
3. Unit is to be 24 inches away from flammable materials (decoration material)
4. Use high quality installation equipment to hang unit.

When rigging a unit it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working loads, material being used and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself, instead use a professional structural rigger.

When rigging the unit always be secured with a secondary safety attachment. The installation location of the projector has got to be built in the way that it can hold 10 times the weight for 1 hour without any harming. Installation should be checked at least one time a year by a skilled person.

## Cleaning and maintenance

**Installation Maintenance:** The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every 2 years.

The following points have to be considered during the inspection:

- 1) All screws used for installing the device or part of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing, fixation and installation spots (ceiling, suspension, trussing).
- 3) The electronic power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

**Note:** There is no serviceable parts inside the device except for the LED's. Maintenance and service operations are to be carried out by authorized dealers.

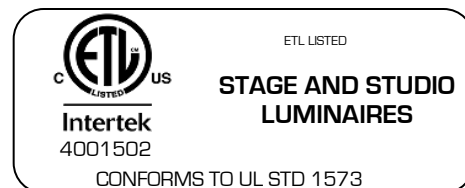
**Replacing the fuse:** Only replace the fuse with the same type and rating.

**Replacing the power cable:** If the power cable of this device becomes damaged, it has to be replaced by authorized dealers or trained professional only.

**Should you have further questions , please contact your dealer.**

## Parts List

9056	Quad Cannon Road Case
3000-pcb	Main PCB card
3000-ps	Power Supply
4000-dis	Display
4000-fh	Fuse Holder





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