

N-E Color Cannon

User Manual



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MEGA **LITE**

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 cable is properly secured away from unit movement.
6. Maximum surface operating temperature 80°.

Protection Against Electrical Shock



Electrical

1. For connection to main power supply proceed to page 5.
2. This unit must be earthed. (electronically grounded)
3. 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 risk of electrical shock.

Technical Features

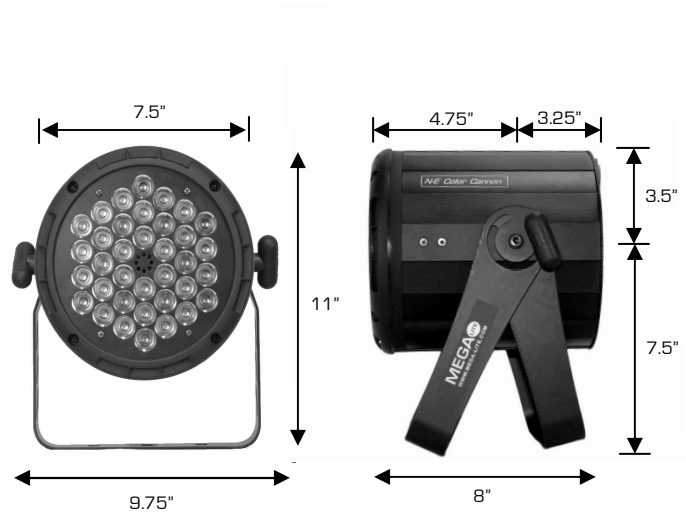
Part Numbers

Fixture

4025- N-E Color Cannon

Mechanical Specifications

- DMX Connectors:** 3-pin XLR connectors
- Power Connection:** Neutrix Power Con in/out
- Thermal:** Maximum ambient temperature 40° C
Maximum surface temperature 60° C
- Fastening System:** Double Mounting Yoke



Fixture	Packaged for Shipping
Size: 9.75"L x 8"W x 11"H	Size: 15"L x 13"W x 14"H
Weight: 7.3 lbs	Weight: 14.5 lbs

Electrical Specifications

LED Quantity: 36

Red: 12
Green: 12
Blue: 12

LED Watts: 3

LED Lifetime: 60 to 100 thousand hours

LED Angle: 30° (± 5°)

Power Consumption: 110V 50/60 Hz

Ballast: Magnetic

Watts: 130
Amps: 1.38

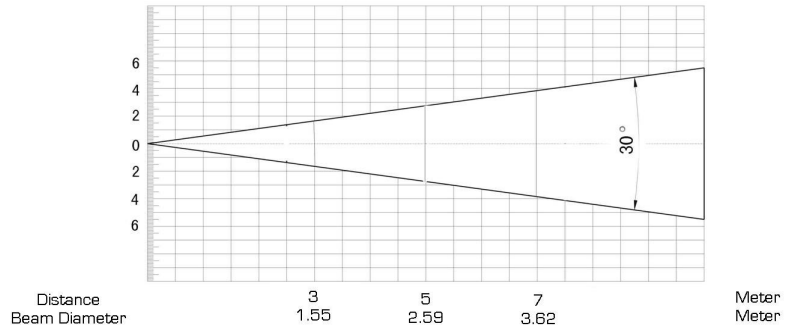
Control & Programming

Protocol: DMX 512

DMX Channels: 6 Channels R ,G ,B, Strobe, Macro, Dimmer

Control options: Master / Slave

NE Color Cannon				
R (12)	690	255	114	LUX
G (12)	774	240	111	LUX
B (12)	1080	306	147	LUX
RGB (36)	1899	654	312	LUX




Main Power Connection

Caution!

1. Do not connect fixture to a dimmer system.
2. This unit must be earthed. (electronically grounded)
3. Replace fuse only with the specified type and rating.

AC 100V 50Hz-60Hz

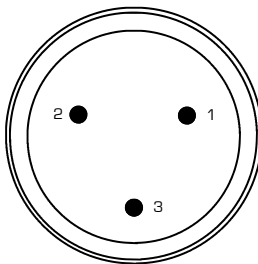
The occupation of the connection-cable is as follows:

Cable (USA)	Cable (EU)	Pin	International
Black	Brown	Live	L
White	Blue	Neutral	N
Yellow / Green	Yellow/Green	Pin	

DMX-512 Connection

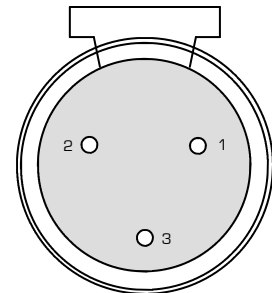
The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input



DMX—output

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



Caution!

On 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).

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 secure with a secondary safety attachment. The installation location of the fixture needs to be built in the way that it can hold 10 times the weight for 1 hour with out any harming. Installation should be checked at least once a year by a skilled person.

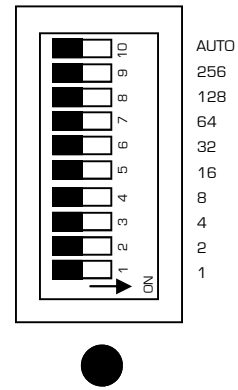
DMX Profile

N-E Color Cannon DMX profile

DMX Channel	Function	Description	Value
1	LED Color	Red LED (0-100%)	0-255
2	LED Color	Green LED (0-100%)	0-255
3	LED Color	Blue LED (0-100%)	0-255
4	Strobe	Strobe from slow to fast	0-255
5	Macros	No Function	0-1
		Red	2-19
		Green	20-39
		Blue	40-59
		Yellow	60-79
		Purple	80-99
		Aqua	100-119
		Fast color scroll	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 from off to full	0-255

Main Control Menu

The control board on the fixture is your interface to access and control all the functions on the unit. The following will explain each function and its options.

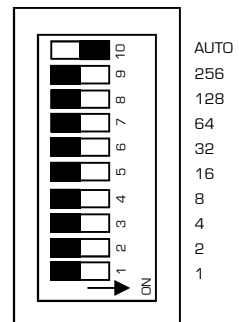


DMX Signal Sensor

There is a red LED below the dipswitch settings that will flash to indicate that there is signal present. If the red LED is not flashing please check your signal to make sure you are sending DMX correctly.

Auto Settings

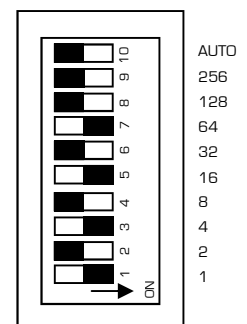
Turn dipswitch 10 to the on position. This function will turn on the auto function that will allow the unit run a preprogram chase sequence. You can also choose to use this unit as a master unit and have other units copy the same functions, by connecting the XLR cable from out to in on the next unit.



DMX Addressing

To address the unit each dipswitch from 1 to 9 hold a numerical value located on the right side. You will have to add the numerical value to give you the correct fixture start address. The user must assign a start address on the fixture that indicates the first channel reserved in the controller.

For example if you wish the first unit to start on address channel 85 you will need to turn on dip-switch 1,3,5 and 7(1+4+16+64= 85).



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) Mechanically moved parts like axles, eyes and other must not show any traces of wearing and must not rotate with unbalances.
- 4) 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.

Disconnect from mains before starting maintenance operation!



Caution Danger to life!

Electrical

We recommend a frequent cleaning of the device. Please use a moist, lint free cloth. Never use alcohol or solvents!

- 1) Environment with foggers will require more periodic cleaning as fog fluid tends to build up residues, reducing the light output.
- 2) Avoid blowing compressed air into the fan unit, as this may damage the fan.

Note: There is no serviceable parts inside . 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 only in order to avoid hazards.

Should you have further questions , please contact your dealer.

Parts List

P-4025MAINC	Main PCB Card
P-4025DMX	DMX in/out
P-4025FAN	Fan
P-4025LEDMOD	LED Module
P-4025PS	Power Supply
P-4025FH	Fuse Holder

P-1100LEDR	Red LED
P-1100LEDB	Blue LED
P-1100LEDG	Green LED
P-4025DBB	Dual Brace W/Bolt
P-4025PCI	Power Con In Panel Mount
P-4025PCO	Power Con Out Panel Mount



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