

# MEGA<sup>LITE</sup>

## ARC WASH



## USER MANUAL

### Table of Contents

Safety Information.....	3
Specifications.....	4
Main Power Connection.....	5
DMX-512 Connection.....	5
Rigging the Fixture.....	6
Main Control Menu.....	7
DMX Profile.....	9
Cleaning & Maintenance.....	10
Parts List.....	10



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

#### 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)

#### 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.

# Specifications

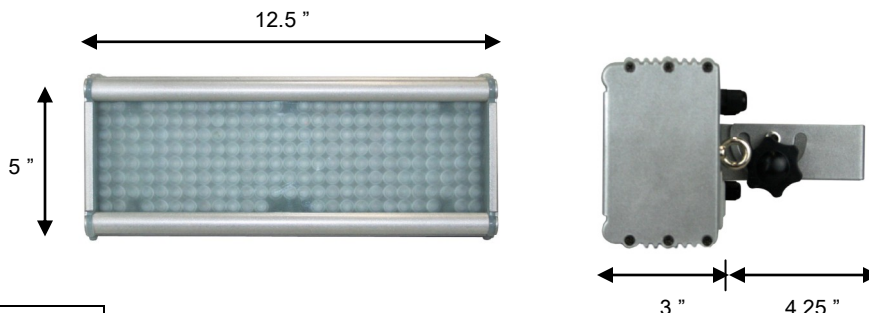
## Part Numbers

### Fixture

4041- Arc Wash

## Mechanical Specifications

**IP Rating:** Ip 65  
**DMX Connectors:** Cable mounted 3-pin XLR connectors  
**Fastening System:** Mounting Yoke  
**Display:** Digital  
**Security System:** Eye bolt clip



Fixture	Packaged for Shipping
Size: 12.5"L x 7.25"W x 5 "H	Size: 15"L x 8"W x 8"H
Weight: 6 lbs	Weight: 10.5 lbs

## Electrical Specifications

**LED Quantity:** 208  
**Red:** 64  
**Green:** 66  
**Blue:** 78  
**LED Diameter:** 10 mm  
**LED Lifetime:** 60,000 to 100,000 hours  
**LED Angle:** 35° ( ± 5° )  
**Power Consumption:** 100 - 240V 50/60 Hz  
**Ballast:** Electronic  
**Watts:** 19  
**Amps:** .27

## Control & Programming

**Protocol:** DMX 512

**3 DMX Modes:**

Mode A	8 DMX Channels	R,G,B, Dimmer, R,G,B, Dimmer
Mode P	6 DMX Channels	R,G,B, R,G,B
Mode F	6 DMX Channel	Dimmer, R,G,B, Strobe, Macro

**Control options:** Audio-trigger

**Operating mode:** Master/Slave, Stand alone


## 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:

#### 110V Connection

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

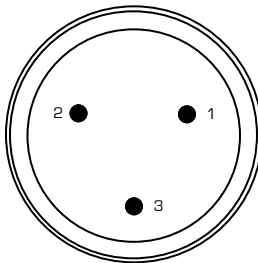
#### 220V Connection

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

## DMX-512 Connection

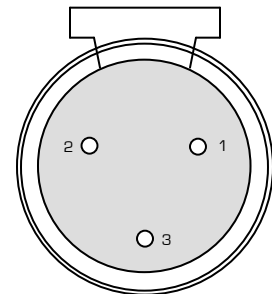
The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

### DMX—input



### DMX—output

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



### Caution!

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).

## Rigging the fixture

### Caution!

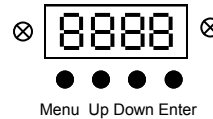
1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injuries if you have doubts concerning the safety do not install.
3. Unit is to be 24 inches away from flammable materials (decoration material)
4. Use high quality installation equipment 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 with out any harming. Installation should be checked at least one time a year by a skilled person.

# 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. The following will explain each function and its options.



Press the **Menu** button, Use the **up/down** keys to select the required function Press **Enter** to select

## Addr DMX Modes

Use the **Enter** keys to select the required DMX Mode. Repress **Enter** to scroll to the mode options **A,P** and **F**. Use the **up/down** keys to select the required DMX channel. Press **Menu** to confirm.

Mode A	8 DMX Channels	R,G,B, Dimmer, R,G,B, Dimmer
Mode P	6 DMX Channels	R,G,B, R,G,B
Mode F	6 DMX Channels	Dimmer, R,G,B, Strobe, Macro

## RL -- Red LED Intensity

Use the **Enter** keys to select the required intensity of the red LED. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

## GL -- Green LED Intensity

Use the **Enter** keys to select the required intensity of the green LED. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

## BL -- Blue LED Intensity

Use the **Enter** keys to select the required intensity of the blue LED. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

## FLAS Strobe LED Speed

Use the **Enter** keys to select the required speed of strobe. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

## FADE Fade Color LED Speed

Use the **Enter** keys to select the required speed of fade color. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

## ASC - Snap Color LED Speed

Use the **Enter** keys to select the required speed of snap color. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

## CE-- Macro Effects

Use the **Enter** keys to select the required macro effect. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

## CS-- Macro Speed

Use the **Enter** keys to select the required speed of the macro effect. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

## SOUR Sound Macro Color

Use the **Enter** keys to select the required sound macro effect. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

## SOUF Sound Macro Flash

Use the **Enter** keys to select the required sound flash macro effect. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

## SENS Sound Sensor Sensitivity

Use the **Enter** keys to select the required sound sensor sensitivity. Use the **up/down** keys to select options from 1 to 15. Press **Menu** to confirm.

## Arc Wash Mode A (8 Channel)

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	Dimmer	Dimmer Segment 1	0-255
5	LED Color	RED LED intensity	0-255
6	LED Color	Green LED intensity	0-255
7	LED Color	Blue LED intensity	0-255
8	Dimmer	Dimmer Segment 2	0-255

## Arc Wash Mode P (6 Channel)

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

## Arc Wash Mode F (6 Channel)

DMX Chanel	Function	Description	Value
1	Dimmer	Master Dimmer	0-152
2	LED Color	Red LED intensity	153-242
3	LED Color	Green LED Intensity	243-255
4	LED Color	Blue LED Intensity	0-255
5	Strobe	No Function	0-9
		Strobe (slow to fast)	10-57
		No Function	58-59
		Pulse On to Off (slow to fast)	60-108
		No Function	109-110
		Pulse Off to On (slow to fast)	111-159
		No Function	160-161
6	Macro	Random Strobe	162-255
		No Function	0-9
		Color Fade (slow to fast)	10-50
		Color Fade RGB (slow to fast)	51-91
		Color Fade Chase	92-132
		Color Snap	133-173
		Color Pulse	174-214
Random Macro	215-255		

## 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.

**Disconnect from mains before starting maintenance operation!**



*Caution Danger to life!*

Electrical

We recommend a frequent cleaning of the device. Please use lint free cloth don't use rubbing alcohol.

- 1) The Fixture will require periodic cleaning on usage and environment. Environment with foggers will require more periodic cleaning as fog fluid tends to build up residues, reducing the light output.
- 2) The drape fixture should be cleaned using a vacuum hose.

**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 only in order to avoid hazards.

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

## Parts List

4041-mpcb	Main PCB Card
4041-pc	Power Supply
4041-gc	Clear Glass
4041-fg	Frosted Glass
4041-dmxf	DMX female XLR adapter
4041-dmxm	DMX male XLR adapter
4000-dis	Digital Display



Mega-Lite  
5718 Kenwick St  
San Antonio, TX 78238  
Ph 210-684-2600 Fax 210-855-6279  
[www.mega-lite.com](http://www.mega-lite.com) / [info@mega-lite.com](mailto:info@mega-lite.com)