

# MEGA LITE

outshine<sup>STRIP</sup>  
Q80



## USER MANUAL

### Table of Contents

Safety Information.....	3
Specifications.....	4
Main Power Connection.....	5
DMX-512 Connection.....	5
Main Control Menu.....	6
DMX Profile.....	8
Rigging the Fixture.....	9
Cleaning & Maintenance.....	9
Parts List.....	9



Check that the unit has not been damaged during transport



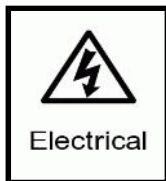
Read all cautions and warnings  
prior to operation of this  
equipment

#### Protection Against 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
6. Maximum surface operating temperature 140°.

#### Protection Against Electrical Fire



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. This fixture must not be left on for long periods of time.

#### Protection Against Mechanical Hazards



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.

#### Ingress Protection



The IP rating is commonly expressed as **IP (Ingress Protection)** is followed by 2 numbers (i.e. 65) where the numbers define the fixture rating. The first number indicates the size of a particle that can enter the fixture.. The second number indicates the extent of protection against water entering the fixture. An IP65 rating in this fixture indicates that dust particles can not enter the fixture. And there is protection against powerful water spray from entering the fixture from any direction.

# Technical Information

## Part Numbers

**7225 Outshine Strip Q80**  
**7225-S Outshine Strip Q80, Silver Housing**

## Mechanical Specifications

**DMX Connectors:** Neutrik 3 pin XLR NC3FXX-HD-D and NC3MXX-HD-D  
IP 67 connectors in and out

**Power connection:** Screw type power cable mounted connection to Nema 5-15

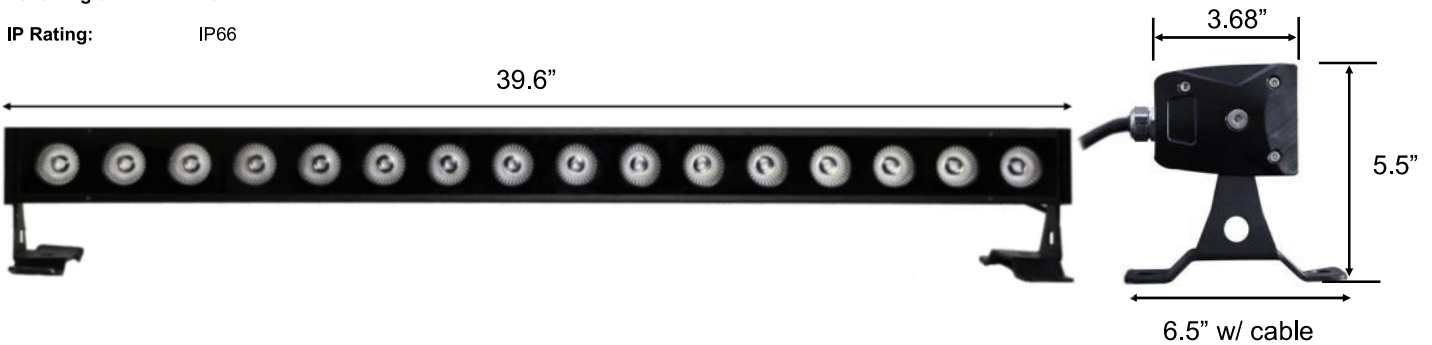
**Thermal:** Maximum ambient temperature 104°  
Maximum surface temperature 140°

**Fastening System:** End Mount mounting Yoke

**Display:** LCD

**Lens Angle:** 25°

**IP Rating:** IP66



Fixture	Packaging
Size: 39.6" x 7" x 5.5" Weight: 14lb	Size: 42.25" x 8" x 8.25" Weight: 16.75lb

## Electrical Specifications

**LED Quantity:** 16 Quad Color LED's Red, Green, Blue and White

**LED Watts:** 5W

**LED Lifetime:** \*40 to 80 thousand hours average

**Refresh Rate:** 6000 Hz

**Power Input Voltage:** 110V-240 50/60 Hz

**Ballast:** Electronic auto switching

**Power Consumption:** Watts: 73  
Amps: .99

## Control & Programming

**Protocol:** DMX 512

**DMX Modes:** Mode 4 Channels R,G,B,W  
Mode 5 Channels Dimmer, R,G,B,W, Strobe  
Mode 9 Channels Dimmer, R,G,B,W, Strobe, Macro, Macro Speed, Dim Curve

**Control Options:** Display preset setting



# Main Power Connection

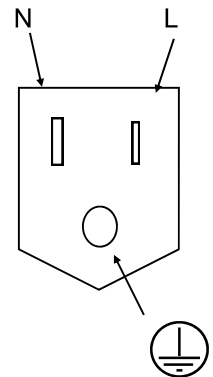
## Caution!

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)

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 100V to 240V from 50Hz to 60Hz

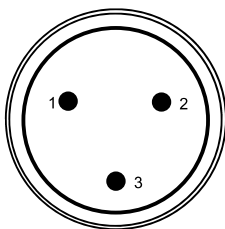
Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	L
Green	Yellow/Green	Ground		



# DMX-512 Connection

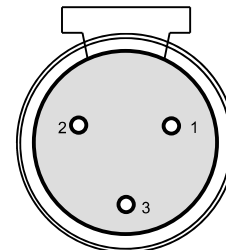
The fixture is equipped with Neutrik NC3FXX-HD and NC3MXX-HD IP 67 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

## DMX—input



## DMX—output

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

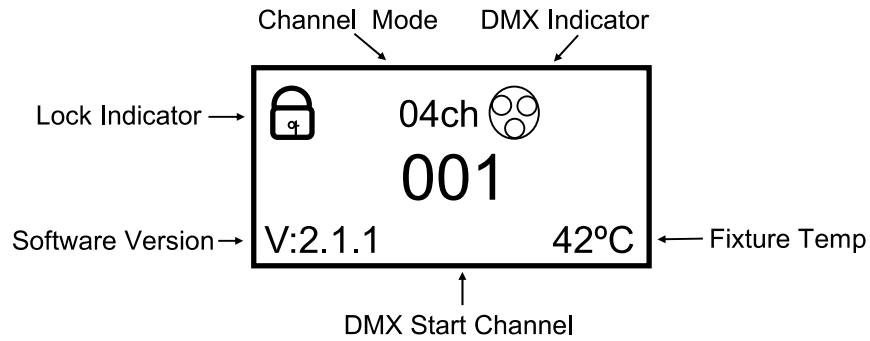
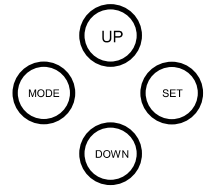


## Caution!

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 (P-DMX-T).

# Display Menu

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



- 1: DMX
- 2: Slave
- 3: Auto
- 4: Program

- DMX
- 1) Address: 001
  - 2) Channel: 04

**Address:** To Change the DMX Start Channel Press **SET** use the **UP** and **DOWN** buttons to select desired DMX Start Channel

**Channel Mode:** To Select the fixtures operating channel mode press **DOWN** so the 2) Channel is highlighted then press **SET**. Use the **UP** and **Down** buttons to select the fixtures operating Channel mode from the options below.

- Mode 4Ch=R,G,B,W
- Mode 6Ch=Dimmer,R,G,B,W, Strobe
- Mode 9Ch=Dimmer,R,G,B,W, Strobe, Macro, Macro Speed, Dimming Curve

- 1: DMX
- 2: Slave
- 3: Auto
- 4: Program

- 1: DMX
- 2: Slave
- 3: Auto
- 4: Program

This function allows the fixture to copy the master unit. Fixture must be addressed to DMX Start Channel 001.

1: DMX  
2: Slave  
3: Auto  
4: Program

1: DMX  
2: Slave  
3: Auto  
4: Program

This function allows the fixture fade between color

1: DMX  
2: Slave  
3: Auto  
4: Program

Program  
1) Mode: 01  
2) Speed: 04  
3) Strobe: 00

**Program:** This function gives you control over the pre-programs

**Mode:** To Select the fixtures pre-program chase (1 to 14). Press **SET**. Use the **UP** and **Down** buttons to select the fixtures program.

**Speed:** Select the speed of the pre-program (1 to 100) 1 being the slowest. Press **SET**. Use the **UP** and **Down** buttons to select the fixtures speed.

**Strobe:** control the strobe speed of the pre-programs (00 to 99). Press **SET**. Use the **UP** and **Down** buttons to select the strobe speed.

(note on mode 1 you will not have speed control option but a color option where you can select the color you want 15 options)

5: Dimmer  
6: Settings  
7: Information

1) Red: 255  
2) Green: 255  
3) Blue: 255  
4) White: 000

**Dimmer:** This function allows you to create a custom color with different values.

Create the color by adding or removing values from a certain color. Press **SET**. Use the **UP** and **Down** buttons to select the color you want to adjust. . Press **SET**. Use the **UP** and **Down** buttons to select the value of each color you would like (000 to 255)

5: Dimmer  
6: Settings  
7: Information

Settings  
1) Curve Select  
2) Dimmer Speed  
3) DMX Fail  
4) DMX Syc  
5) Lock  
6)Factory

**Curve Select:** Select from different dimmer curves Linear, Square Law, Invert Square Law, S-Type

**Dimmer Speed:** Fast (responsive to DMX Fader) Smooth (Fade delay)

**DMX Fail:** Function options if DMX signal is lost

Off: Turns off all DMX values to 0

Hold: Holds last DMX signal received till new signal command

**DMX Syc:** Syncs fixtures with similar address

**Lock:** Display Lock

Yes: will lock display, to unlock press and hold **Mode** and **Set** at the same time for 3 Seconds

No: will leave display accessible

**Factory:**

Yes: Returns fixture to original factory setting

No: No Function

## Outshine Strip Q80 DMX Profile

### Outshine Strip Q80 4 Channel Mode

DMX Channel	Function	Description	Value	Init
1	LED Color	Red LED intensity	0-255	255
2	LED Color	Green LED Intensity	0-255	255
3	LED Color	Blue LED Intensity	0-255	255
4	LED Color	White LED Intensity	0-255	255

### Outshine Strip Q80 6 Channel Mode

DMX Channel	Function	Description	Value	Init
1	Dimmer	Dimmer	0-255	255
2	LED Color	Red LED intensity	0-255	255
3	LED Color	Green LED Intensity	0-255	255
4	LED Color	Blue LED Intensity	0-255	255
5	LED Color	White LED Intensity	0-255	255
6	Strobe	No Function	0-10	0
		Strobe (slow to fast)	11-115	
		Random (slow to fast)	116-255	

### Outshine Strip Q80 9 Channel Mode

DMX Channel	Function	Description	Value	Init
1	Dimmer	Dimmer	0-255	255
2	LED Color	Red LED intensity	0-255	255
3	LED Color	Green LED Intensity	0-255	255
4	LED Color	Blue LED Intensity	0-255	255
5	LED Color	White LED Intensity	0-255	255
6	Strobe	No Function	0-10	0
		Strobe (slow to fast)	11-115	
		Random (slow to fast)	116-255	
7	Macro	No Function	0	0
		Program 02	1-19	
		Program 03	20-39	
		Program 04	40-59	
		Program 05	60-79	
		Program 06	80-99	
		Program 07	100-119	
		Program 08	120-139	
		Program 09	140-159	
		Program 10	160-179	
		Program 11	180-199	
		Program 12	200-219	
		Program 13	220-239	
		Program 14	240-255	
8	Macro Speed	No Function	0-10	0
		Slow to Fast	11-255	
9	Dimming	Linear Dimming	0-49	0
		Square Law Dimming	50-99	
		Invert Square Law Dimming	100-149	
		S-Type	150-255	



## 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 fixture 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.

## 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 year.

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

7225-LED	Replacement LED
7225-MPCB	Main PCB card
7225-PS	Power Supply
7225-DIS	Display
7225-LEDMOD	LED Module
7225-FG	Frontal Glass
7225-MO	Mount

## Accessories

7225-BD	Fixed Barn Door
7225-DC	15 Degree Diffusion Lens

## Warranty Information

### Warranty Conditions

-Unless otherwise stated in writing, your product is covered by a one year parts and labor limited warranty.

-LEDs are not guaranteed to match in color temperature or output.

-It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and reseller or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.

-Goods returned under warranty must follow the proper authorization procedure and must be accompanied by a copy of the original invoice and Return Authorization Number given by MSI.

-Goods repaired under warranty will be returned to the owner with the freight prepaid by MSI via the most economical means of shipment.

-Repair or replacement as provided for under this warranty is the exclusive remedy of the consumer. MEGA SYSTEMS INC. makes no warranties, express or implied, with respect to any product, and Mega Systems specifically disclaims any warranty of merchantability or fitness for a particular purpose. Mega Systems shall not be liable for any indirect, incidental or consequential damage, including lost profit, sustained or incurred in connection with any product or caused by product defect or the partial or total failure of any product regardless of the form of action, weather in contract, tort (including negligence), strict liability or otherwise, and weather or not such damage was foreseen or unforeseen.

- Warranty is void if the product is misused, damaged, modified in any way, or for unauthorized repairs or parts. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

## Customer Support

Mega Lite has a customer support line to provide set up help and to answer any question should you encounter a problem. Please visit our website for any other related technical documents. For service related issue please contact our service dept.

Monday—Friday 9am to 6pm CST

Voice: 210-684-2600

E-mail: [service@megasystemsinc.com](mailto:service@megasystemsinc.com)



Mega-Lite  
18668 Highway 16 N  
Helotes, TX 78023  
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)