

BRIGHT STRIPE

User Manual

Contents

Technical Information	4
Main Power Connection	5
DMX-512 Connection	5
DMX Profile	6
Main Control Menu	8
Rigging the fixture	10
Cleaning and maintenance	10
Parts List	10



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 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

Part Numbers

Fixture

4055- Bright Stripe

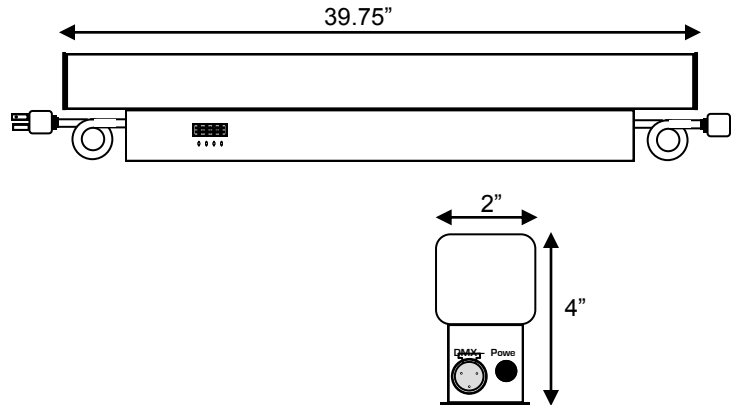
Mechanical Specifications

DMX Connectors: 3-pin XLR connectors

Power Connection: Nema 5-15

Thermal: Maximum ambient temperature 40° C
Maximum surface temperature 60° C

Fastening System: 3 threaded mounting points



Fixture	Packaged for Shipping
Size: 39.75" x 2" x 4"	Size: 41" x 7.25" x 5"

Electrical Specifications

LED Quantity: 144

Red: 48

Green: 48

Blue: 48

LED Type: 5mm

LED Lifetime: 60 to 100 thousand hours

LED Angle: N/A

Power Consumption: 110V-220V50/60 Hz

Ballast: Electronic

Watts: 10

Amps: .13

Control & Programming

Protocol: DMX 512

DMX Channels: 3 Channels R,G,B
24 Channels R,G,B X 8
48 Channels R,G,B X 16
6 Channels R ,G ,B, Strobe, Macro , Dimmer

Control options: Audio-trigger

Operating mode: Master/Slave


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:

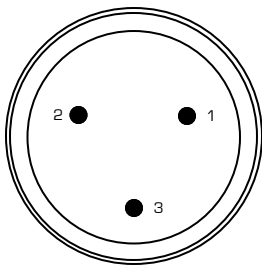
This fixture is equipped with an electronic power supply that will let the unit operate from 90V to 240V from 50Hz to 60Hz

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

DMX-512 Connection

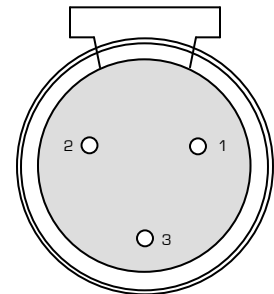
The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

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).

DMX Profile

Mode 1 (3 Channels)

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

Mode 2 (24 Channels)

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
" "	" "	" "	" "
22	LED Color	Red LED intensity	0-255
23	LED Color	Green LED Intensity	0-255
24	LED Color	Blue LED Intensity	0-255

Mode 3 (48 Channels)

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
" "	" "	" "	" "
46	LED Color	Red LED intensity	0-255
47	LED Color	Green LED Intensity	0-255
48	LED Color	Blue LED Intensity	0-255

Mode 4 (6 Channels)

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
		Color Scroll (slow to fast)	40-59
		Macro Effect 1	60-79
		Macro Effect 2	80-99
		Macro Effect 3	100-119
		Macro Effect 4	120-139
		Macro Effect 5	140-159
		Macro Effect 6	160-179
		Macro Effect 7	180-199
		Macro Effect 8	200-219
Macro Effect 9	220-229		
Macro Effect 10	230-249		
Macro Effect 11	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 Enter Up Down

DMX Address	Sound Chase	Pre-Programs	Fade Scroll	Red Dimmer	Green Dimmer	Blue Dimmer	Slave	DMX Mode
Addr	SouA	Pr--	FAde	rL--	gL--	bL--	SLAU	Node
1-512	Loop	0-25	0-25	0-255	0-255	0-255	N/A	3-Ch 24-Ch 48-Ch 6-Ch

Addr DMX Address

Press **Enter** to select the DMX start channel use the **up/down** keys, display will be flashing once you have selected the desired start channel Press **Enter** to confirm display will stop flashing.

SouA Sound Mode

This function allows you to activate the pre programs stored in the Bright Stripe via audio sensitivity. Press **Enter** to confirm the settings.

Pr-- Pre Programs Mode

This function allows you to activate from the 25 pre programs stored in the Bright Stripe via control screen. 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 from 0 to 20. Press **Enter** to confirm the settings.

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.

SLAU Slave

This function allows this Bright Stripe to work as a slave fixture that will copy everything the Master unit is doing.

MODE DMX Mode

This function allows you to select the mode in which you want to control the Bright Stripe. Press **Enter** use the **up/down** keys to select desired DMX mode settings. Press **Enter** to confirm the settings.

6 CH	R,G,B, Strobe, Macro, Dimmer
3 CH	R,G,B
24 CH	R,G,B X 8 (Gives you control over 8 sections of the Bright Stripe)
48 CH	R,G,B X 16 (Gives you control over 16 sections of the Bright Stripe)

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 Bright Stripe 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

4050-case	8 Bright Stripe Road Case
4055-pcb	Main PCB card
4055-ec	End Caps
4055-ledm	LED module
4055-ps	Power Supply
4055-dis	Display
4055-fh	Fuse Holder



Mega-Lite
5718 Kenwick St
San Antonio, TX 78238
Ph 210-684-2600 Fax 210-855-6279
www.mega-lite.com / info@mega-lite.com