

MEGA **LITE**

XL LED STROBE RGB



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.....	10
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 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 80°.

Protection Against Shock



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.
5. Do not leave fixture on for long periods of time.

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.

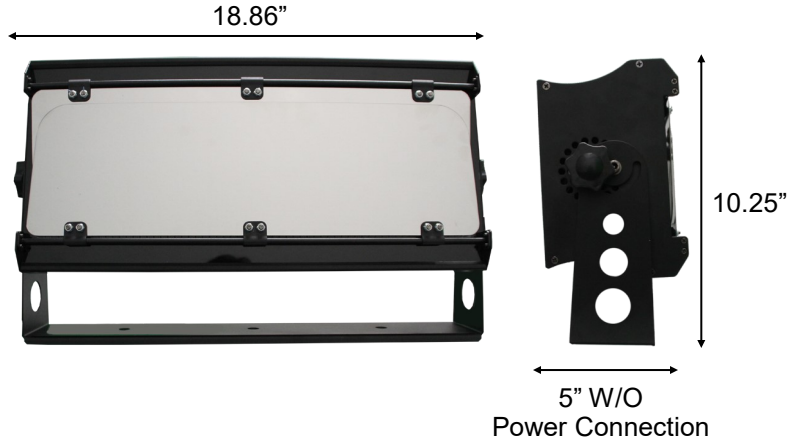
Technical Information

Part Numbers

3013- XL Led Strobe RGB

Mechanical Specifications

DMX Connectors: 3 and 5 pin XLR connectors in and out
Thermal: Maximum ambient temperature 104°
 Maximum surface temperature 140°
Fastening System: Single Mounting Yoke
Display: LED
Power connection: Power Con in & out



Fixture	Packaged
Size: 18.86" x 5" x 10.25"	Size: 24" x 7.5" x 13.5"
Weight: 17 lb	Weight: 18.5 lb

Electrical Specifications

LED Quantity:	1260 RGB SMD LEDs	LED Angle:	140°
Power Input Voltage:	110V-240 50/60 Hz	Fuse:	5x20 F8AL250V
Ballast:	Electronic auto switching		
Power Consumption:	Watts: 610 Amps: 5.46		
LED Watts:	.80		
LED Lifetime:	*60 to 100 thousand hours		

Control & Programming

DMX 512 Protocol

DMX Modes: Mode A 3 Channels R,G,B,
 Mode B 7 Channels Dimmer, R, G, B, Strobe, Macro
 Mode C 8 Channels Dimmer, R, G, B, Strobe, Macro, 3 Segment Macro
 Mode D 9 Channels R, G, B, X3

Control Options: Display Control, Master Slave

Photometrics

Photometrics at 10Ft

Lux	2045.4
fc	190.1



Main Power Connection

Caution!

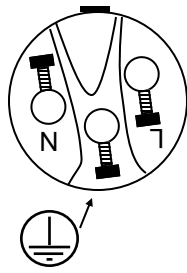
1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (electronically grounded)
4. Replace fuse only with the specified type and rating.

The occupation of the connection-cable is as follows:

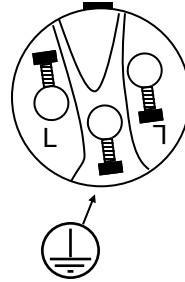
This fixture is equipped with an electronic power supply that will let the unit operate from 90V to 240V from 50Hz to

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

110V
Connec-



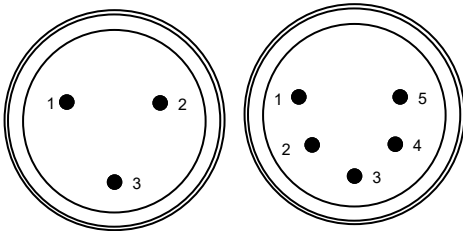
220V
Connec-



DMX-512 Connection

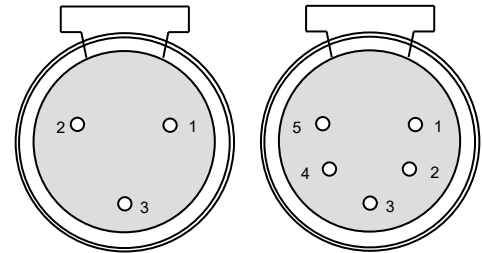
The fixture is equipped with 5 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 5 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—Input



1. Shield
2. Signal (-)
3. Signal (+)
4. N/A
5. N/A

DMX—Output



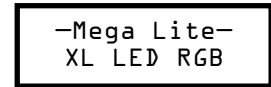
Caution!

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 (P-DMXT).

Display 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



ESC DOWN UP ENTER

Address
001

To Set the DMX Start Channel press **Enter**. Use the **Down or Up** to select the desired DMX Start Channel and press **Enter** to confirm your setting.

Auto

This function will give you access to the Preprogramed Chases Press **Enter**. Use the **Down or Up** to select the programed chase, press **Enter** to confirm your setting. Use the **Down or Up** to select the desired speed of the Chase from 1 to 15 press **Enter** to confirm your setting

Work Mod
DMX 512

DMX 512= This mode will allow you to operate the fixture with a DMX controller

Master= This Function Allows you to run the Auto Programs Or Audio Programs and send DMX signal out to the Slave units

Slave= On Slave Mode the fixture will copy the functions on the Master unit

To Set the Desired operational mode press **Enter**. Use the **Down or Up** to select the desired mode and press **Enter** to confirm your setting.

Chan Mod
ACH

To set the desired operational channel mode press **Enter**. Use the **Down or Up** to select the desired DMX profile operational mode from A,B,C and D and press **Enter** to confirm your setting.

Note: Operational mode are located on Page 8 of the manual.

Strobe Set

This function will give you access to set strobe rate via display. Press **Enter**. Use the **Down or Up** to select the desired color. Press **Enter** use the **Down or Up** to select intensity from 0 to 255. You can repeat this process to get any color combination.
 (Note) once strobe is set you can power up and the last strobe setting will automatically come on.

Strobe
000

Intensity Set

This function will give you access to set Intensity via display. Press **Enter**. Use the **Down or Up** to select the desired intensity. Press **Enter** use the **Down or Up** to select intensity from 0 to 255. You can repeat this process to get any color combination.
 (Note) once intensity is set you can power up and the last Intensity setting will automatically come on.

RED
000

Green
000

Blue
000

Tools

Display Mode This function will give you access to the Display Control press **Enter**. Use the **Down or Up** to select the desired display operational Mode from **Display On** that will leave the display always turned on. Or **Display Auto** that will make the display turn off after no usage for 60 seconds., press **Enter** to confirm your setting.

Time This function will give you information of how long the fixture has been turned on.

Temp This function gives you information of the fixtures current temperature

Key Mode This function will give you access to lock the menu keys so they are not accidentally moved. Press **Enter**. Use the **Down or Up** to select the desired Key settings from **Lock** Or **Unlock** press **Enter** to confirm your setting. You will have to hold the Enter button for 3 seconds, to unlock the keys.

DMX Status

Value Hold If DMX signal is lost. The Fixture will hold the last DMX value sent.

Value Clear If DMX signal is lost. The fixture will bring dimmer channels to zero.

DMX Profile

XL LED RGB 3 Ch A Mode

DMX Channel	Function	Description	Value
1	Dimmer	Red intensity	0-255
2	Dimmer	Green intensity	0-255
3	Dimmer	Blue intensity	0-255

XL LED RGB 7 Ch B Mode

DMX Channel	Function	Description	Value
1	Dimmer	Master Dimmer	0-255
2	Intensity	Red intensity	0-255
3	Intensity	Green intensity	0-255
4	Intensity	Blue intensity	0-255
5	Duration	Flash Duration	0-255
6	Strobe	No Function	0-5
		Strobe Rate	6-255
7	Macro	No Function	0-5
		Ramp Up Effect (slow to fast)	6-42
		Ramp Down Effect (slow to fast)	43-85
		Ramp Up-Down Effect (slow to fast)	86-128
		Random Effect (slow to fast)	129-171
		Lightning Effect (slow to fast)	172-214
		Spike Effect	215-255

XL LED RGB 8 Ch C Mode

DMX Channel	Function	Discription	Value
1	Dimmer	No Function	0-255
2	Intensity	Red intensity	0-255
3	Intensity	Green intensity	0-255
4	Intensity	Blue intensity	0-255
5	Duration	Flash Duration	0-255
6	Strobe	No Function	0-5
		Strobe Rate	6-255
7	Macro	No Function	0-5
		Ramp Up Effect (slow to fast)	6-42
		Ramp Down Effect (slow to fast)	43-85
		Ramp Up-Down Effect (slow to fast)	86-128
		Random Effect (slow to fast)	129-171
		Lightning Effect (slow to fast)	172-214
		Spike Effect	215-255
8	3 Segment Macro	No Function	0-1
		Macro 1 (slow to fast)	2-25
		Macro 2 (slow to fast)	26-50
		Macro 3 (slow to fast)	51-75
		Macro 4 (slow to fast)	76-100
		Macro 5 (slow to fast)	101-125
		Macro 6 (slow to fast)	126-150
		Macro 7 (slow to fast)	151-175
		Macro 8 (slow to fast)	176-200
		Macro 9 (slow to fast)	201-225
		Macro 10 (slow to fast)	226-255

XL LED RGB 9 Ch D Mode

DMX Channel	Function	Discription	Value
1	Dimmer	Red Dimmer Segment 1	0-255
2	Dimmer	Green Dimmer Segment 1	0-255
3	Dimmer	Blue Dimmer Segment 1	0-255
4	Dimmer	Red Dimmer Segment 2	0-255
5	Dimmer	Green Dimmer Segment 2	0-255
6	Dimmer	Blue Dimmer Segment 2	0-255
7	Dimmer	Red Dimmer Segment 3	0-255
8	Dimmer	Green Dimmer Segment 3	0-255
9	Dimmer	Blue Dimmer Segment 3	0-255

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 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

3013-FAN	Replacement fan
3013-PCBM	Main PCB card
3013-PS	Power Supply
3013-RGBLED	LED Replacement
3013-RGBLEDM	LED Module
3013-BD	Barndoor (Single)
3010-KNO	Knob (Set)

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.

-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.



Mega-Lite
18668 Highway 16N
Helotes, TX 78023
Ph 210-684-2600 Fax 210-855-6279
www.mega-lite.com / info@mega-lite.com