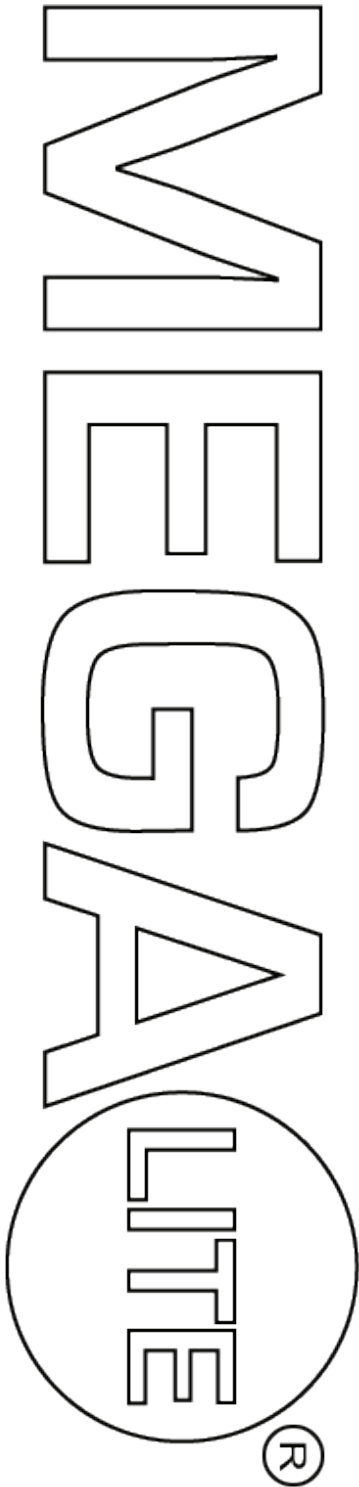




## USER MANUAL

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**Check that the unit has not been damaged during transport.**



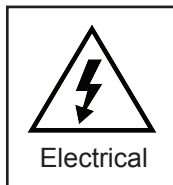
Read Manual, Cautions, and Warnings  
prior to operation of this equipment.

### Protection Against Fire



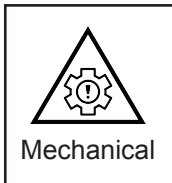
1. Maintain a minimum of 1 foot distance from any type of flame.
2. For indoor use only. Do not expose unit to rain or moisture.
3. Do not install the unit too close to a heat source.
4. Make sure cables are properly secured.
5. Maximum surface operating temperature: 130°.

### Protection Against Electrical Fire



1. Disconnect power before servicing.
2. For connection to main power supply, proceed to page 4.
3. The power supply must be earthed (electronically grounded).
4. This fixture must not be left on for long periods of time.
5. This unit is for indoor use do not install outside.

### Protection Against Mechanical Hazards



1. Use secondary 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.

### What is Included

1pc Deco Drive CV3 Din  
1pc User Manual

## Specifications

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### Part Numbers

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#### Fixture

5063 - Deco Driver CV3 Din

### Mechanical Specifications

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<b>Housing:</b>	Black Plastic
<b>Fastening System:</b>	DIN Rail-mount 35mm
<b>Power Connection:</b>	4 Pole Screw Terminal V-V+
<b>DMX Connection:</b>	3 Pole Screw Terminal in and out and RJ45 in and out
<b>Output Connection:</b>	5 Pole Screw Terminal and RJ45

### Electrical Specifications

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<b>Input Voltage:</b>	24V
<b>Outputs:</b>	3 Ports
<b>Max Output Per Port:</b>	96W
<b>Sensor By Pass:</b>	12V
<b>Software Up-loader:</b>	USB

### Control & Programming

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<b>Protocol:</b>	DMX512 USITT Standard
<b>Channel Modes:</b>	5
	1 Channel Mode: Dimmer
	2 Channel Mode: Warm White, Cool White
	3 Channel Mode: R,G,B
	4 Channel Mode: R,G,B,W
	7 Channel Mode: Dimmer, R,G,B,W, Strobe, Macro
<b>Control Modes:</b>	DMX 512
	Auto: Pre-programs accessible via display
	Manual: Fixture intensity adjustable via Display settings
<b>Software:</b>	Fixture Software up-loader via front USB

## Main Power Connection

### Caution!

1. Do not connect fixture to a dimmer system.
2. This unit is to be connected to a 24V DC Output Power Supply.
3. Power supply must be earthed (electronically grounded).
4. Replace fuse only with the specified type and rating.
5. Power Supply must not be lower than 294W output.

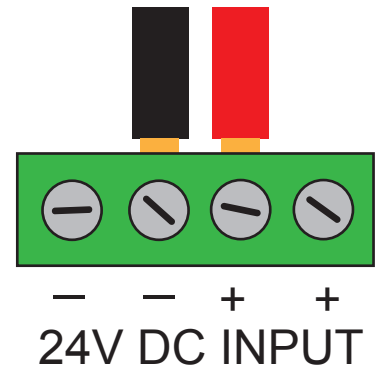
The occupation of the connection cable is as follows:

This fixture requires a 294 Watt or greater 24V power supply (sold separately).

Fixture requires a Minimum 14 Gage stranded wire from the power supply to the Deco Driver CV3 24V DC Input when placed next to each other. Longer distances will require higher cable gage.

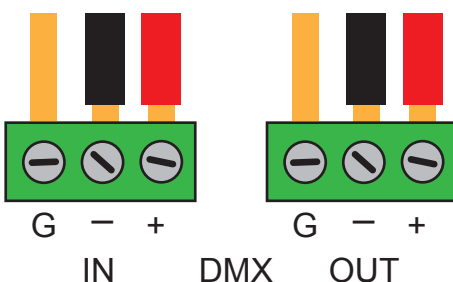
Secondary input and outputs can be used to jump voltage to a secondary device

Cable Gage	DC -	DC+
Min 14AWG	Black	Red

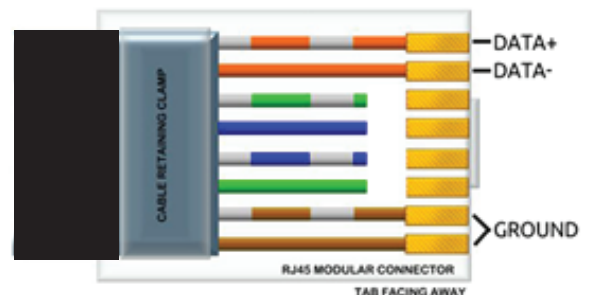


## DMX-512 Connection

The fixture is equipped with RJ45 and 3 Pin Screw Terminal for DMX signal input and output. The connections are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and Cat 6. RJ45 plugs and connectors are needed in order to connect the controller with the fixture or the fixture with another.



XLR Connections		Pin1	Data +
Pin 1	Ground	Pin 2	Data -
Pin 2	Data -	Pin 3	N/A
Pin 3	Data +	Pin 4	N/A
		Pin 5	N/A
		Pin 6	N/A
		Pin 7	Ground
		Pin 8	Ground

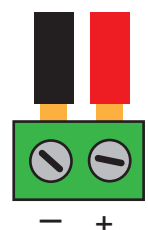


### Caution!

At the last fixture, the DMX signal needs to be terminated with a terminator. Place a 120 Ohm resistor between the (-) and the (+) signal of the plug on the last fixture. Pre-manufactured terminator plugs are available for purchase from your MEGA-LITE dealer (P-DMXT).

## 12V Bypass Sensor

Bypass Sensor is used for connecting a 12V DC sensor. There are many types of sensors that can be connected like Motion Sensors and Dusk to Dawn Sensors. If a 12V DC Signal is detected it will cause all dimmer channels to turn on to 100%.

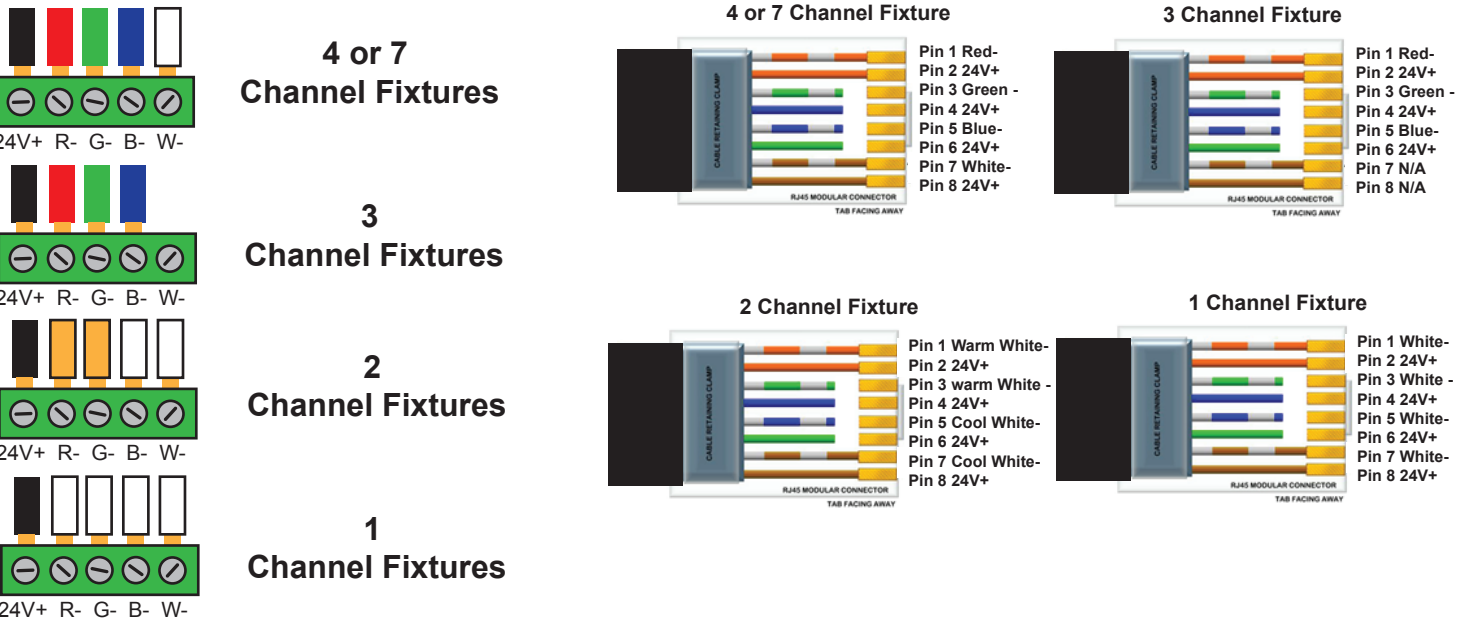


# Output Connection

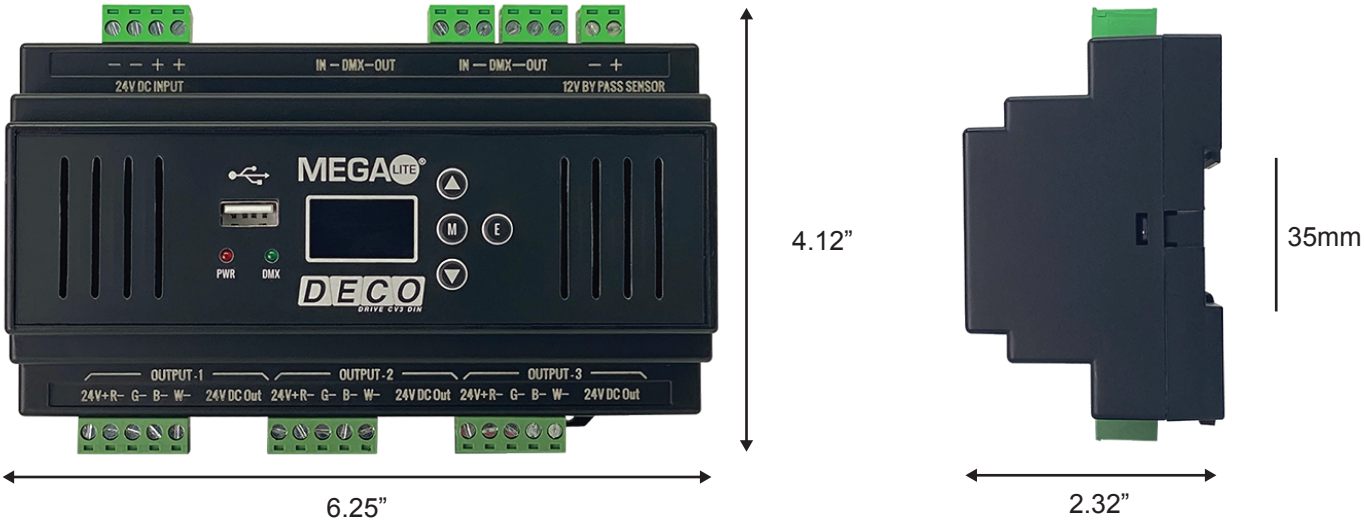
The fixture is equipped with RJ45 and 5 Poll Screw Terminal for output to the lights. Different Deco Lighting Fixtures are equipped with either Cat6A or 5 Conductor stranded cable. Please consult the lighting fixtures manual for what type of cable your lighting fixture requires.

## Cable Requirements

- Cat6A:** 23 gage or higher, maximum distance before voltage drop 100ft
- Stranded:** 5 conductor 20AWG or higher, maximum distance before voltage drop 100ft



# Size and Weight



Fixture Size:	6.25" X 2.32" X 4.12"
Fixture Weight:	.56lb
Packaged Size:	7" X 4"X 3"
Packaged Weight:	1.2lb

## Main Control Menu

The control board on the fixture 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. There are also 2 LED indicators on the left side of the display. The first indicator is for power input notification, the second is for DMX signal notification.

   
PWR DMX

**MEGA**<sup>LITE</sup>

-SYSTEM READY-  
VERSION 1.1  
MODE: DMX

**DECO**  
DRIVE CV3 DIN

### -SYSTEM MODE-

1. DMX
2. Auto
3. Static
4. Manual

### DMX Address

Press **E** button to enter the Port menu. Use the **E** button to select desired Port Channel Mode and Start channel. Use the **up/down** keys to select.

PORT1--4CH--202  
PORT2--7CH--001  
PORT3--1CH--510

Each Output Port has individual control and can have the same or different Channel Mode or DMX Start Channel.

### -SYSTEM MODE-

1. DMX
2. Auto
3. Static
4. Manual

### Auto

Press **E** button to enter the Auto Control menu. Use the **E** button to select from 3 Chase programs

Auto Color  
Dimmer: 255  
Speed: 07  
No: 2 Cross Fade

Program can be altered by selecting the Dimmer intensity from 0-255, and Speed Control 0-10. Program can be selected in the No section. (note: Strobe program will require Manual selected dimmer on)

### -SYSTEM MODE-

1. DMX
2. Auto
3. Static
4. Manual

### Static

Press **E** button to enter the Static menu. Use the **E** button to select desired preset color. Use the **up/down** keys to select.

Static Color  
Dimmer: 255  
No: 9. Blue

Static function will let you select from 16 preset color combinations when using 3 or 4 color fixtures. And adjust the intensity via the dimmer setting in static color menu.

-SYSTEM MODE-

1. DMX
2. Auto
3. Static
4. Manual

## Manual

Press **E** button to enter the Manual menu. Use the **E** button to select desired manually adjusted color. Use the **up/down** keys to select.

Red: 255  
Green: 255  
Blue: 127  
White: 127

Static function will let you select adjust intensity output via display

For 4Ch or 7Ch Fixtures: use as discribed

For 3Ch Fixtures: White Dimmer Function will not be active

For 2Ch Fixture: Mirror the output value of Red & Green for Warm White and mirror Blue and White for Cool White output

For 1Ch Fixtures all 4 outputs value must mirror same output

-SYSTEM MODE-

2. Auto
3. Static
4. Manual
5. Settings

## Settings

Press **E** button to enter the Static menu. Use the **E** button to select desired preset color. Use the **up/down** keys to select.

System Setup  
1. New Firmware  
2. Factory Reset  
3. Disp Backlite

**New Firmware:** Manufacture setting: Please contact Mega Lite for firmware updates if needed.

System Setup  
1. New Firmware  
2. Factory Reset  
3. Disp Backlite

**Factory Reset:** to return the fixture to the original factory settings enter password 1234

System Setup  
1. New Firmware  
2. Factory Reset  
3. Disp Backlite

**Display Backlite:** To leave the display screen on all the time set to **ON**. To have the display turn off after 1 minute of no button interaction set to **OFF**

System Setup  
2. Factory Reset  
3. Disp Backlite  
4. Disp Lock

**Display Lock:** To leave the display screen on lock mode with no interface access set to **ON**. To have the display keys have access set to OFF.

(note) To Unlock press and hold *up and down* at the same time for 4 seconds

### Deco CV3 Din 1 Ch Mode

DMX Ch	Function	Description	Value	Init
1	Dimmer	LED Intensity	0-255	255

### Deco CV3 Din 2 Ch Mode

DMX Ch	Function	Description	Value	Init
1	LED Color	Warm White LED Intensity	0-255	255
2	LED Color	Cool White LED Intensity	0-255	255

### Deco CV3 Din 3 Ch Mode

DMX Ch	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

### Deco CV3 Din 4 Ch Mode

DMX Ch	Function	Description	Value	Init
1	LED Color	Red LED Intensity (all outputs)	0-255	255
2	LED Color	Green LED Intensity (all outputs)	0-255	255
3	LED Color	Blue LED Intensity (all outputs)	0-255	255
4	LED Color	White LED Intensity (all outputs)	0-255	255

### Deco CV3 Din 7 Ch Mode

DMX Ch	Function	Description	Value	Init
1	Dimmer	Dimmer 0 to 100	0-255	255
2	LED Color	Red LED Intensity (all outputs)	0-255	255
3	LED Color	Green LED Intensity (all outputs)	0-255	255
4	LED Color	Blue LED Intensity (all outputs)	0-255	255
5	LED Color	White LED Intensity (all outputs)	0-255	255
6	Strobe	No Function	0-1	0
		Strobe (slow to fast)	2-127	
		Random Strobe (slow to fast)	128-255	
7	Macro	No Function	0-1	0
		Color Fade (slow to fast)	2-127	
		Color Chase (slow to fast)	128-255	



## Rigging the Fixture

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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. The installation location of the projector must be built to hold 10 times the weight for one hour without any damage. Installation should be checked at least one time a year by a skilled person.

Fixture is designed to be installed with a 35mm Din rail track inside a Nema box.

## Cleaning and Maintenance

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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 must 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 are no serviceable parts inside the device. Maintenance and service operations are to be carried out by authorized dealers.

**Replacing the fuse:** When possible, 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 professionals only.

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

## Parts List

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5063PCBMAI	CV3 Display / Main
5063PCBDRI	CV3 Driver
5063POW	Mean Well NDR-480-24 Power Supply
5060CON5SC	CV3 5 pole screw terminal
5060CON4SC	CV3 4 pole Screw terminal
5060CON3SC	CV3 3 pole screw terminal
5060CON2SC	CV3 2 pole screw terminal

## General Terms & Conditions

1. All resellers must have approved and signed Reseller Application on file, including their respective state tax information and W-9. Applications are re-evaluated on a fiscal calendar year basis to assure business integrity and tax status.
2. Cash, check, cashiers check, ACH, wire transfer, MasterCard, Visa, Discover, and American Express are accepted forms of payment.
3. Past due invoices will be charged 1.5% per month finance charge. Uncollected invoices are subject to be turned over to collection.
4. The reseller will pay all reasonable expenses incurred in the course of collections.
5. The proper venue for litigation will be Bexar County, Texas.
6. Returned checks will be charged a \$50.00 fee.
7. All prices are in U.S. Dollars.
8. All prices and specifications are subject to change without notice, sales order confirmations are emailed and will reflect correct pricing.
9. All terms are insured, monitored, analyzed and approved by Coface USA. Changes in credit line and approved terms can change without notice. Company authorization of credit is based on Coface approvals. Any conflicts or disagreements should be referred to: 650 College Rd East Suite 2005 Princeton, NJ 08540. 1-609-469-0400. E-mail: cofaceusa@coface.com
10. Returns are subject to 25% restocking charge plus any necessary charges for repair or re-packaging.

## Shipping Terms & Conditions

1. All orders are EXW San Antonio, TX (EXW means that a buyer/reseller incurs the risks for bringing the goods to their final destination) any deviation needs to be done in writing.
2. UPS ground shipping is the preferred shipping method. Requests for specific carriers may require use of the customer's account number and may incur an additional charge for handling.
3. Drop shipments are subject to all return charges at resellers expense. Drop shipments are not allowed outside of the territorial United States.
4. NO C.O.D. shipments allowed.
5. Returned and undelivered shipment charges are the buyer/resellers responsibility and will be billed to the buyer/reseller.
6. The freight carrier and Company shipping@mega.lighting should be notified upon receipt of damaged freight, discrepancies, or non-conformities within 24 hours. Company can assist in making claims with carriers or agents in the event of any loss or damage.
7. Upon acceptance in good order by Carrier from Company, the material becomes the property of the Reseller.

## Warranty and Service Procedures

1. All returns require an RMA# (Return Merchandise Authorization number) before returning goods for any reason. For a service or warranty RMA, please email service@mega.lighting or call (210)684-2600. For sales or demo returns, please contact sales@mega.lighting.
2. Case will be created and an RMA notice will be emailed. All units received must have the RMA # included with the unit as well as on the shipping label.
3. All shipping charges are the responsibility of the customer: MEGA Systems, Inc., Service, 18668 HWY 16 N., Helotes, TX 78023

## Warranty for Products Purchased Before 2021

Unless otherwise stated in writing, product is covered by a one year parts and labor limited warranty and is subject to same limitations listed under the limited warranty exclusions listed below.

## Warranty for Products Purchased After January 1, 2021

**MEGA SYSTEMS INC ("MSI")** hereby warrants to the original purchaser/owner (Customer"), MSI products to be free of manufacturing defects in material and workmanship, for the warranty periods as defined below from the original purchase invoice date. This warranty applies exclusively to new MSI branded and/or distributed products listed below, purchased from an MSI AUTHORIZED dealer/reseller. This warranty is not transferable and may or may not apply to products sold and/or forwarded outside the United States. Please contact MSI for applicable regional product warranty information.

The purchase of MSI product constitutes the Customer's acceptance of all warranty terms and conditions as listed in this limited warranty statement. This warranty provides the Customer with legal rights, which may vary from state to state. Please contact MSI regarding warranty questions prior to purchasing.

Product / Series	Warranty Period	Coverage
Battery Powered LED	Six month battery, one year all other components	1, 2
Moving LED, Hazers	One Year	2
Outdoor IP-Rated LED	Two Years	3
House Light LED, Decorative LED, Compact LED, iCandy LED, Theatrical LED, Strobe Wash LED, Follow Spot LED, Production & House of Worship Control, Architectural Control, Theatrical Control, Dance Venue & Mobile DJ Control, Direct View LED Displays, and MV Controllers	Three Years	4

**1. Battery: 183 days/six months 2. Parts and Labor: 365 days/one year 3. Parts and Labor: 730 days/two years 4. Parts and Labor: 1095 days/three years**

**This limited warranty excludes any defects caused by, resulting from, or relating to the following:**

Normal wear and tear of lamps, color media, brushes, contact rings, lamp sockets, belts and other parts prone to wear and tear.  
Misuse, abuse, improper handling, accident, alteration or attempts to repair by or on behalf of the owner or any person not authorized by MSI.  
Damage to the product resulting from acts of God, including but not limited to, earthquakes, hurricanes, tornadoes, lightning and other natural disasters, fire, explosion, flood, riots, civil disorder or any other cause beyond the reasonable control of MSI.  
Exposure to harsh or excessively corrosive environmental conditions (whether indoors or outdoors) including, but not limited to, extreme temperature, humidity, atmospheric conditions (including salinity or pressure), radiation (UV, infrared or nuclear), shock and conditions which exceed the product's Ingress Protection ("IP") rating.  
Use of the product in a manner which exceeds the applicable product specification, including, but not limited to, exposure to excessive, insufficient, or other voltage conditions.  
Installation or use of the product not in accordance with the technical documentation, MSI guidelines (as may be posted on its website at [www.megasystemsinc.com](http://www.megasystemsinc.com) from time to time or otherwise designated by MSI or its brands) or applicable building and electrical codes, regulations, and standards.  
Failure to maintain the product in accordance with the technical documentation.  
Natural degradation and color shift of the LED source over the course of normal product use.  
Slight deviations in the specified values of intensity and color that do not affect the functionality of the product.  
Use of the product not for its intended purpose.

All warranty claims are evaluated under the terms of this limited warranty. If a product falls within the warranty period and if, upon examination by MSI, it is found to have failed for a covered cause, MSI will, at its sole discretion, repair or replace the defective part or product or reimburse the purchaser a pro-rated portion of the purchase price based on the percentage of the warranty period still remaining as of the date that the returned product was received by MSI. Should a replacement part or product be discontinued or unavailable, MSI reserves the right, in its sole and absolute discretion, to substitute a comparable replacement part or product for the defective part of product. MSI warranty obligation here under is limited solely to the repair or replacement of or reimbursement for the particular parts or products determined by MSI to have failed for a covered cause within the warranty period. In no event shall MSI be responsible to replace or reimburse purchaser for any products or portions of a system that MSI determines has not failed for a covered cause within the warranty period, even if such other products or portions of a system are used together with products being repaired or replaced by MSI under this warranty and the repaired product differs in brightness, colors or any other attribute after the repair.

Costs of removal, shipping to MSI or its authorized representative and re-installation are solely the responsibility of the purchaser. If MSI determines that the product is covered by this limited warranty, it will only pay for parts and labor as indicated by product type. If MSI determines that the product is not covered by this limited warranty, the purchaser will have the option of paying for the repair if the product can be repaired and the purchaser shall be responsible for the cost of shipping the repaired product back to the purchaser. MSI reserves the right, in its sole and absolute discretion, to decline any repair.

IN NO EVENT SHALL MEGA SYSTEMS, INC. BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, SPECIAL, INDIRECT OR PUNITIVE LOSS OR DAMAGE OF ANY KIND, INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUES, LOSS OF USE OF THE PRODUCT OR ANY OTHER GOODS OR ASSOCIATED EQUIPMENT, DAMAGE TO ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF SUBSTITUTE PRODUCTS, FACILITIES OR SERVICES, DOWNTIME COST, INSTALLATION OR LABOR COSTS, OR CLAIMS OF THE PURCHASER'S CUSTOMERS, WHETHER BASED ON WARRANTY, CONTRACT OR NEGLIGENCE, ARISING IN CONNECTION WITH THE SALE, USE OR REPAIR OF THE PRODUCT. MEGA SYSTEMS INC'S MAXIMUM LIABILITY SHALL NOT, IN ANY CASE, EXCEED THE PURCHASE PRICE OF THE PRODUCT THAT GIVES RISE TO THE CLAIM.

EXCEPT FOR THE LIMITED WARRANTY SET FORTH HEREIN, ALL PRODUCTS SOLD BY MEGA SYSTEMS, INC. ARE SOLD "AS IS" WITHOUT ANY WARRANTY, EXPRESS, OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE EXPRESSLY AND SPECIFICALLY DISCLAIMED BY MEGA SYSTEMS, INC.

## Customer Support

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

Monday - Friday 9am to 6pm CST  
(210)684-2600  
service@mega.lighting

## Manual Version

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Please visit [www.mega.lighting](http://www.mega.lighting) for the most up-to-date manual version.

Manual Version	Date	Fixture Software	Notes
1.0	10/28/2021	V1.1	



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