



USER MANUAL

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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.
2. Do Not install the unit too close to a heat source.
3. Make sure cables are properly secured away from movement.
4. Maximum surface operating temperature is 148°F
5. Unit must not be left on for long periods of time.

Protection Against Electrical Dangers



Electrical

1. Disconnect power before servicing.
2. For connection to main power supply proceed to page 4.
3. This unit must be earthed. (electronically grounded)
4. Do not expose unit to rain or moisture.
5. The Unit must be installed in a well ventilated area.
6. Be sure ventilation slots are not blocked.

Protection Against Mechanical Hazards



Mechanical

1. Unit surface may reach high temperature. Allow about 5 minutes after powering the unit before moving.
2. When repositioning rack ears make sure they are securely attached.

What is Included

1pc Deco Driver CV4
1pc Power Con Type Cable
4pc 5 Pin Screw Terminal Blocks
1pc 2 pin Screw Terminal Block
2pc Rear & Wall Support Rack Ears
1pc User Manual



Specifications

Part Numbers

Fixture

5065– Deco Driver CV4

Mechanical Specifications

Fastening System:	Removable rack ears for Wall Mounting , Rack mounting and Rear rack mounting
Display:	Digital
Power Connection:	Power Con (type) Cable Mounted to Nema 5-15 head.
Housing:	Black painted
DMX Connection:	5 Pin XLR & RJ45 in and out (optional 3 pin available)
Output Connection:	4 Port 5 pin Screw terminal & RJ45 output

Electrical Specifications

Power Input:	110-240VAC 5.9A 50/60 Hz
Outputs:	4
Power Per Output	96W
Total Max Power:	384W
Ballast:	Electronic: Mean Well RSP-500-24
Sensor By Pass:	12V (to engage dimmer channels to full on)
Output:	24V
Drive Method:	Constant Voltage
Working Ambient Temp:	24°f -148°f
Cooling:	Silent, Convection Cooled
Refresh:	4,000Hz

Control & Programming

Protocol:	DMX 512
DMX 5 Modes:	
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
Operating Mode:	22 Pre Programs, Stand alone via display
12V By Pass:	Will engage all dimmer channels to full once receive a 12V signal



Main Power Connection

Caution!

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

The occupation of the connection-cable is as follows:

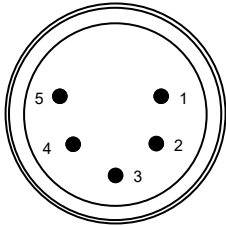
This fixture is equipped with an electronic power supply that will let the unit operate from 100V to 240V from 50Hz to 60Hz

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 5 pin XLR Sockets and RJ45 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 or RJ45 plugs and connectors in order to connect the controller with the driver or the driver with another.

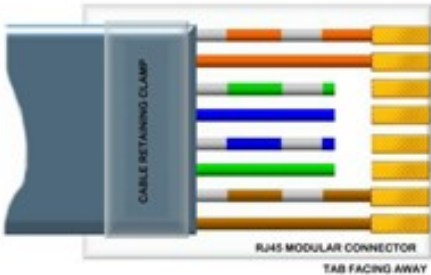
DMX 5 Pin —Input / Output



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

Or

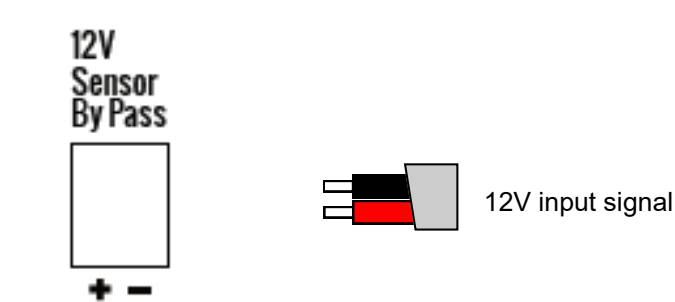
RJ45 8 Pin— In / Output



1. Signal (+)
2. Signal (-)
7&8. Ground

12V Sensor By-pass

Once the Deco Drive CV4 receives a DC 12V input signal all dimmer channels will go to a full position and by pass DMX Control. Once 12V signal is removed the DMX Control will be reengaged.

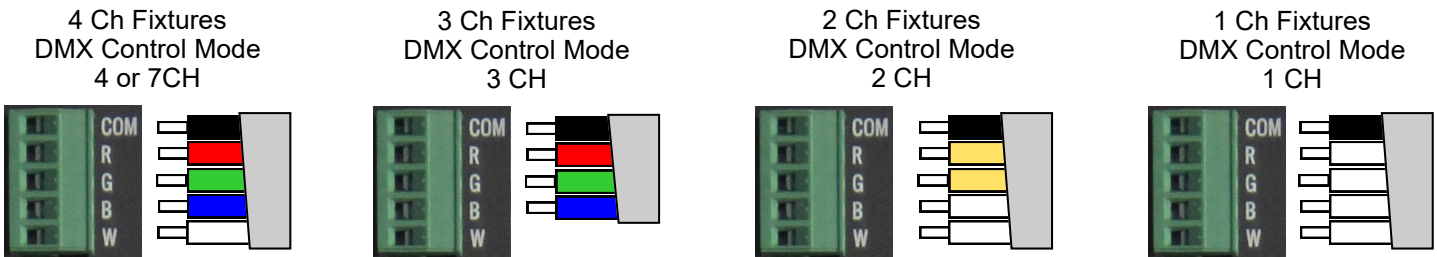


Output Connection

Deco Driver CV4 is designed to be used as a driver for Constant Voltage lighting fixtures. There are many fixtures a Deco Driver can control . Each of the 4 output can be individually controlled and addressed to use the same or different fixture per each output. The Deco Lighting fixture manual will give you the information with power link limitations and control type for that unit.

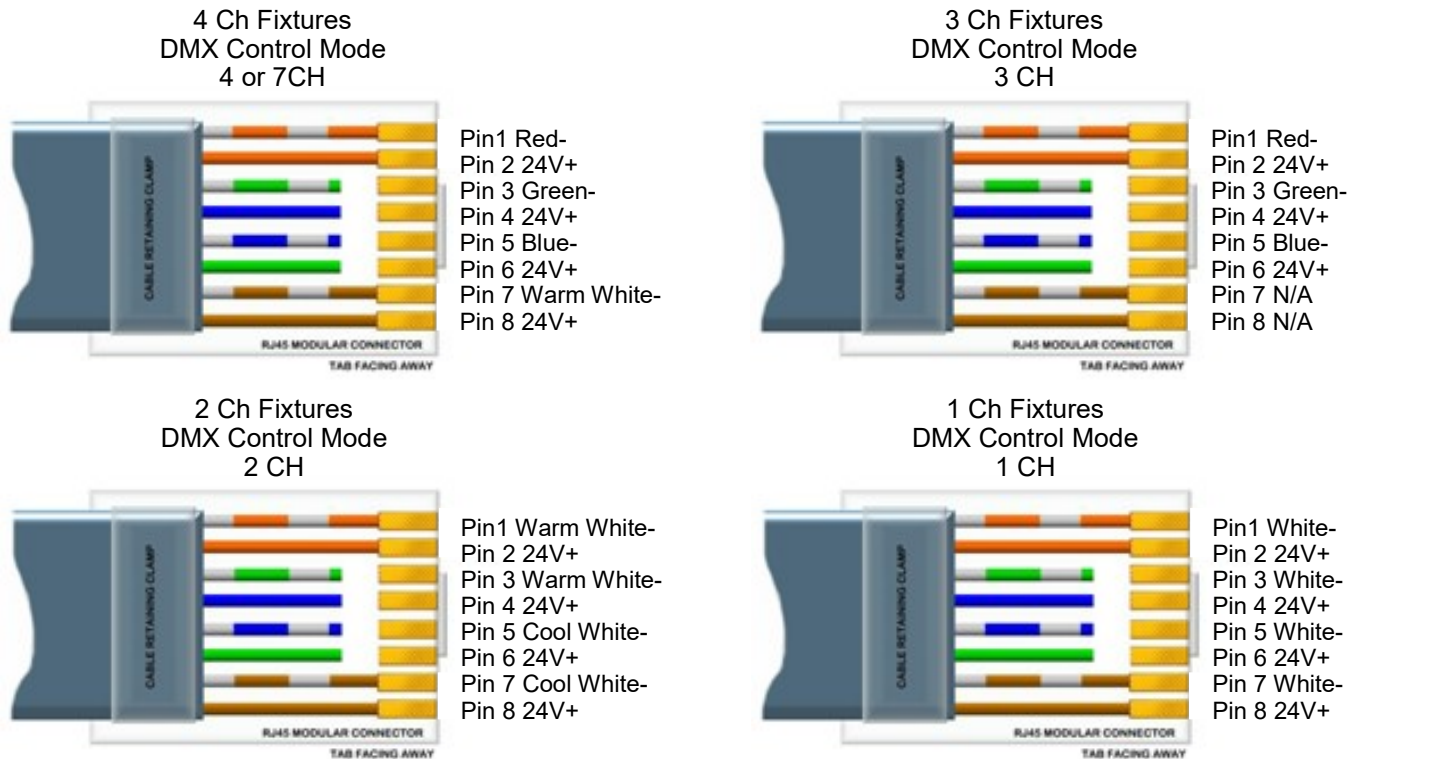
Fixtures that require Strip Cable connection will connect the input cables via 5Pin Screw terminal.

Use 20AWG cable or thicker for connections. Cables exceeding 100ft will have voltage drop. Voltage drop will result in intensity drop.



Fixtures that require RJ45 connection will connect the input cables to RJ45 Output.

Use Cat6 A AWG 24 or thicker cable for cable connection with RJ45 connections. Cables exceeding 100ft will have voltage drop. Voltage drop will result in intensity drop.



Control Board

Lock Display: The display for the Deco Driver factory setting is lock screen function to unlock the display press and hold the **Menu & Enter** for 3 seconds

DMX: DMX mode allows you to set the DMX operational mode: For each output port you can select Mode of operation and DMX start address. Press **Enter** use the **Up / Down** button to select the output port press **Enter** once selected. Mode function will then be highlighted, use the **Up / Down** button to select your operating mode. Each lighting fixture will have a different operating mode. Consult the fixture's manual or fixture label to determine the operating mode. Press **Enter**, DMX Address will then be highlighted, use the **Up / Down** button to select the fixtures start address. Start address should match your controller's start address channel. Press **Enter** to confirm your settings.

System Mode (DMX)	Port (01)	Mode (01)	DMX Address (001)
	Port (02)	Mode (01)	DMX Address (001)
	Port (03)	Mode (04)	DMX Address (004)
	Port (04)	Mode (07)	DMX Address (210)

Auto: Auto mode allows you to access the pre-built auto function for control. Press **Enter** use the **Up / Down** button to select the pre program fixture look. Programs 01 to 18 are single scene programs and programs 19 to 21 are chase programs. Press **Enter** once you have decided on the scene or chase. For Programs 1-18 use the **Up/Down** buttons to adjust fixture dimmer output. For programs 19-21 use the **Up/Down** buttons to adjust the chase speed. Press **Enter** to confirm the fixture setting.

System Mode (Auto)	Prog 01 (ST Color 1)	Prog 01 Dimmer (000)
	“ “	“ “
	Prog 18 (ST Color 18)	Prog 18 Dimmer (000)
	Prog 19 (Step Chase)	Prog 19 Speed (000)
	Prog 20 (Color Fade)	Prog 20 Speed (000)
	Prog 21 (Strobe)	Prog 22 Speed (000)
	Prog 22 (Chasing)	Prog 22 Speed (000)

Manual: Manual mode allows you to manually control the intensity of all 4 ports simultaneously via the control display without the need for a DMX controller. Press **Enter** to select the dimmer output you would like to adjust . Use the **Up/Down** keys to select the dimmer intensity. There is many Deco Fixtures that can be controlled via a Deco Driver. Please Consult your Deco Lighting fixtures Manual to see what values are active. Press **Enter** to confirm the setting.

System Mode (Manual)	Red (000)
	Green (000)
	Blue (000)
	White (000)



DMX Profile

Deco CV4 1 Channel Mode

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

Deco CV4 2 Channel Mode

DMX Channel	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 CV4 3 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

Deco CV4 4 Channel Mode

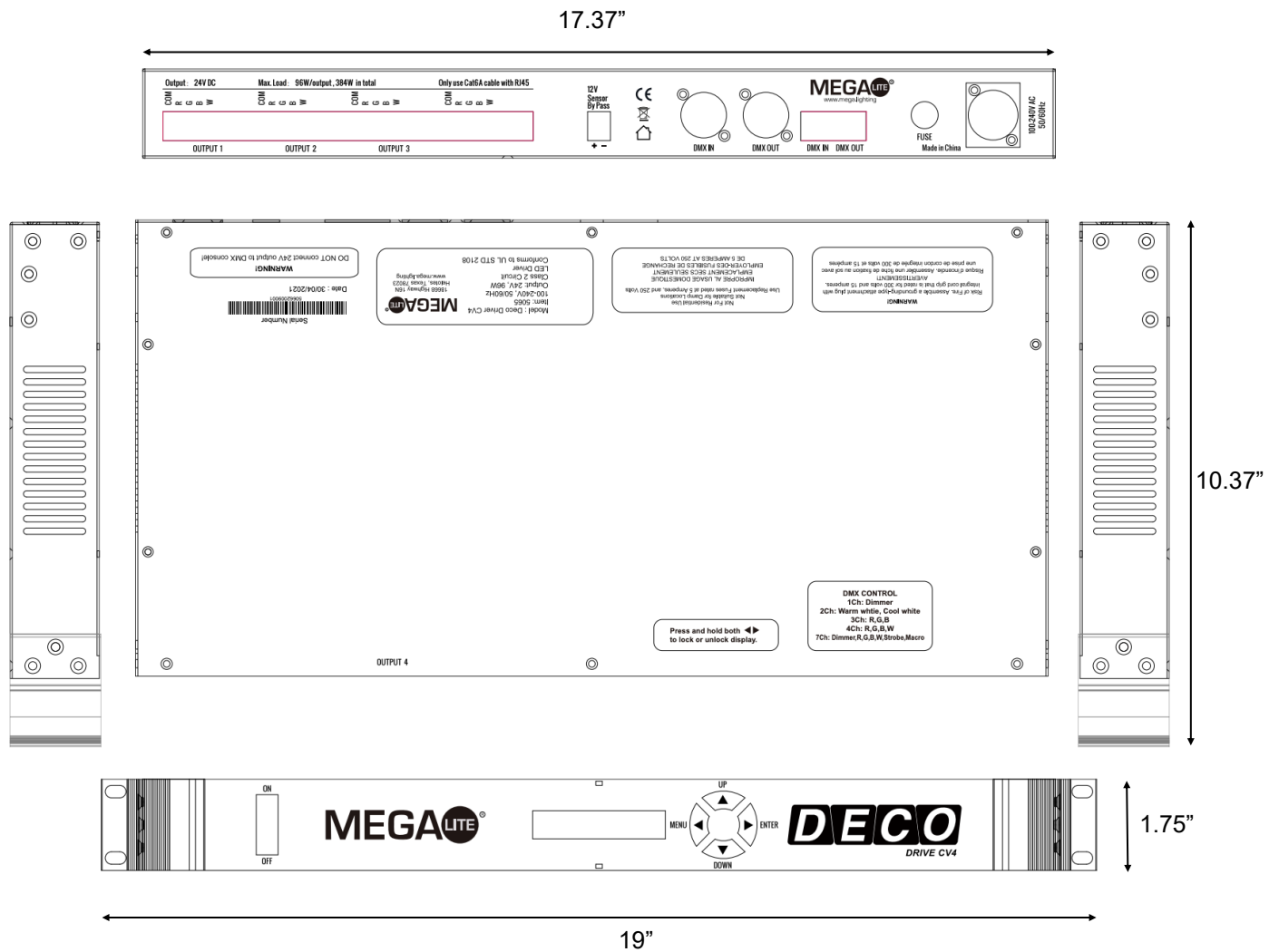
DMX Channel	Function	Description	Value	Init
1	LED Color	Red LED Intensity (all outputs)	0-255	255
2	LED Color	Green LED Intensity (all outputs)	0-255	255
3	LED Color	Blue LED Intensity (all outputs)	0-255	255
4	LED Color	White LED Intensity (all outputs)	0-255	255

Deco CV4 7 Channel Mode

DMX Channel	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	



Size & Weight



Fixture Size	19" X 10.37" X 1.75"
Fixture Packaged	21" X 12" X 3.75"
Net Weight	8.4lb
Gross Weight	9.5lb



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 (rack, 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.
- 4) Ventilation ports must be clear of any debris.
- 5) Inner ventilation power supply fan must be clear of any debris

Rigging the Fixture

Caution!

1. The installation 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. Installation location must have adequate air flow.

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 without any failures. Installation should be checked at least one time a year by a skilled person.

Parts List

5065PCBMAI	MAIN PCB / DISPLAY
5065PCBDRI	DRIVER PCB
5060PCBDMX5	5 PIN DMX PCB
5060PCBDMX3	3 PIN DMX PCB
5065PCB12V	12V PCB
5065POW	MEAN WELL POWER SUPPLY UHP-500-24
5060FUS	F5AL 250V 5X20MM FUSE
5060SWI	ON/OFF SWITCH
5060HOURACREA	WALL MOUNT & REAR RACK EARS
5065HOURACGOL	GOLD FRONT RACK EARS
5060CONSCR	5 PIN SCREW TERMINAL CONNECTION
5065CONSCR2	2 PIN SCREW TERMINAL CONNECTION



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 CONTROLS	Three Years	4
1. Battery, 183 days six months 2. Parts and Labor, 365 days one year 3. Parts and Labor, 730 days two year 4. Parts and Labor, 1095 days three year		
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, tornados, 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 temperatures, 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 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 or product. MSI warranty obligation hereunder 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 reinstallation 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.

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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 issues, please contact our service dept.

Monday—Friday 9am to 6pm CST

Voice: 210-684-2600

E-mail: service@mega.lighting

Manual Version

Please visit www.mega.lighting for the most up to date manual version.

Document Version	Date	Fixture Software	Notes
1.1	05/27/2021	V1.3	Updated 5065 Version



MEGA-Lite
18668 Highway 16N
Helotes, Texas 78023
Ph 210-684-2600 Fax 210-855-6279
www.mega.lighting / info@mega.lighting

