



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. The Unit must be installed in a well ventilated area.
5. 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. Use secondary support when installing the unit.

What is Included

1pc Deco Driver IP
1pc True One Type Power Cable
1pc User Manual



Specifications

Part Numbers

Fixture

5070– Deco Driver IP

Mechanical Specifications

Fastening System:	M10 Clamp mount tread, Mounting hole, Accessory Din Rail Mounts
Display:	Digital
Power Connection:	True One (type) Cable Mounted to Nema 5-15 plug.
Housing:	IP rated extrusion
DMX Connection:	5 Pin XLR in and out & Wireless Solutions Wireless Connection Receiver
Output Connection:	4 X IP66 rated 5 pin Connection (CON-COL-DC5)

Electrical Specifications

Power Input:	90-264VAC 50/60 Hz
Output Ports	4
Power Per Output	100W
Total Max Power:	580W
Operating Power Consumption:	3.29 Amps 384 Watts
Ballast:	Electronic: Mean Well UHP-500-24
Output:	24V
Drive Method:	Constant Voltage
Working Ambient Temp:	24°f -148°f
Cooling:	Internal Fan
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:	17 Pre Programs, Stand alone via Display, Manual 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 90V to 264V automatically
3. This unit must be earthed. (electronically grounded)
4. There is no serviceable parts inside. Return to manufacture for factory service

The occupation of the connection-cable is as follows:

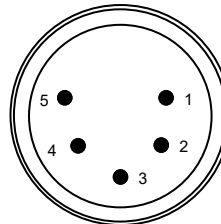
This fixture is equipped with an electronic power supply that will let the unit operate from 90V to 264V from 50Hz to 60Hz

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 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 driver or the driver with another. If unit is installed outdoor make sure to use outdoor rated cable.

DMX 5 Pin —Input / Output



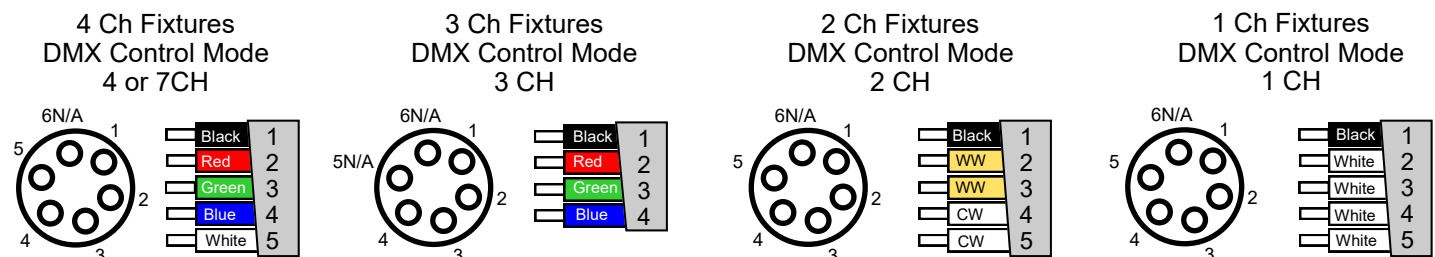
1. Ground
2. Signal (-)
3. Signal (+)

Output Connection

Deco Driver IP 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 RJ45 connection will not be able to use this driver

Use AWG 22 or thicker cable for connection with fixture. Cables exceeding 100ft will have voltage drop. Voltage drop will result in intensity drop. Thicker AWG cable will allow for longer cable runs. Please consult an electrician for more information.



Important!

Each Output Port is capable of up to 100W output with a total of 400W total power consumption for all outputs

Control Board

CONTROL BOARD

Mega Lite
Deco Drive IP

● ● ● ●
Menu Enter Up Down

DMX

DMX Address

DMX Port
04

Press **Enter** to select the output Port use the **Up/Down** to select from 01 to 04

P04 Mode
(07)

Press **Enter** to select the Channel Mode use the **Up/Down** to select from options below

1 CH	Single Color Fixture
2 CH	Variable White Color Fixture
3 CH	3 Color Fixture, Red, Green, Blue
4 CH	4 Color Fixture, Red, Green, Blue, White
7 CH	4 Color Fixture, Dimmer, Red, Green, Blue, White, Strobe, Macro

P04 ADDR
(001)

Press **Enter** to select the DMX Start Channel use the **Up/Down** to select output port DMX Start Channel. (Note if you want multiple output ports operating in the same way just use the same Mode and Start Channel for what ever port you want to work the same)

WDMX Set

Wireless DMX

This function allows you to connect signal to the fixture using a wireless DMX connection. A Wireless Solution Transmitter is required for this function to operate.

Power
(Off)

Power
(On)

Press **Enter** and use the **Up/Down** buttons to engage or disengage this function

Unlock
(Yes)

Unlock
(No)

Press **Enter** and use the **Up/Down** buttons to open communication Mode Yes to open No to leave closed. Function Button on the wireless transmitter must be engaged for the communication to be sent

W-DMX
Status

Display Status of Wireless DMX connection Status. Display should read (Linked) for proper Wireless connection

W-DMX
Power Off

Linking
Waiting

W-DMX
No Link

W-DMX
Linked



Auto

Auto programs

This function allows you to play back preprograms

Mode

Press **Enter** and use the **Up/Down** buttons to engage pre stored programs

Color
(01-39)

Strobe
(00-99)

Mode 1 will allow you to select from the 39 different stored colors. Press **Enter** to adjust strobe function from 00 to 99

Speed
(01-100)

Strobe
(00-99)

Mode 2-17 will allow you to adjust the speed. Press **Enter** to adjust strobe function from 00 to 99

Manual

Manual Mode

This function allows you to adjust the intensity of the led via display

Red
(001-255)

Press **Enter** and use the **Up/Down** buttons to select desired intensity from 001 to 255

Green
(001-255)

For Single Color fixture use Red Only
For Variable White fixtures use Red and Blue
For R,G,B fixtures use Red, Green, Blue
For RGBW fixtures use Red, Green, Blue, White

Blue
(001-255)

White
(001-255)

Settings

Setting Options

This function allows you to adjust preference setting

Dimmer Speed
(Fast or Smooth)

Press **Enter** and use the **Up/Down** buttons to select dimmer setting of **Fast** or **Smooth** dimming speeds

DMX Fail
(Hold or Off)

Press **Enter** and use the **Up/Down** buttons to select **Hold** for the last DMX command or **Off** to turn off the LED's in the case the DMX Signal is lost.

Factory
Reset

Setting Options

Factory Reset allows you to revert all settings back to original factory settings

Reset
(No or Yes)

Press **Enter** and use the **Up/Down** buttons to select **Hold** for the last DMX command or **Off** to turn off the LED's in the case the DMX Signal is lost.

Info

Info

Software Version



DMX Profile

Deco Drive IP 1 Channel Mode

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

Deco Drive IP 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 Drive IP 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 Drive IP 4 Channel Mode

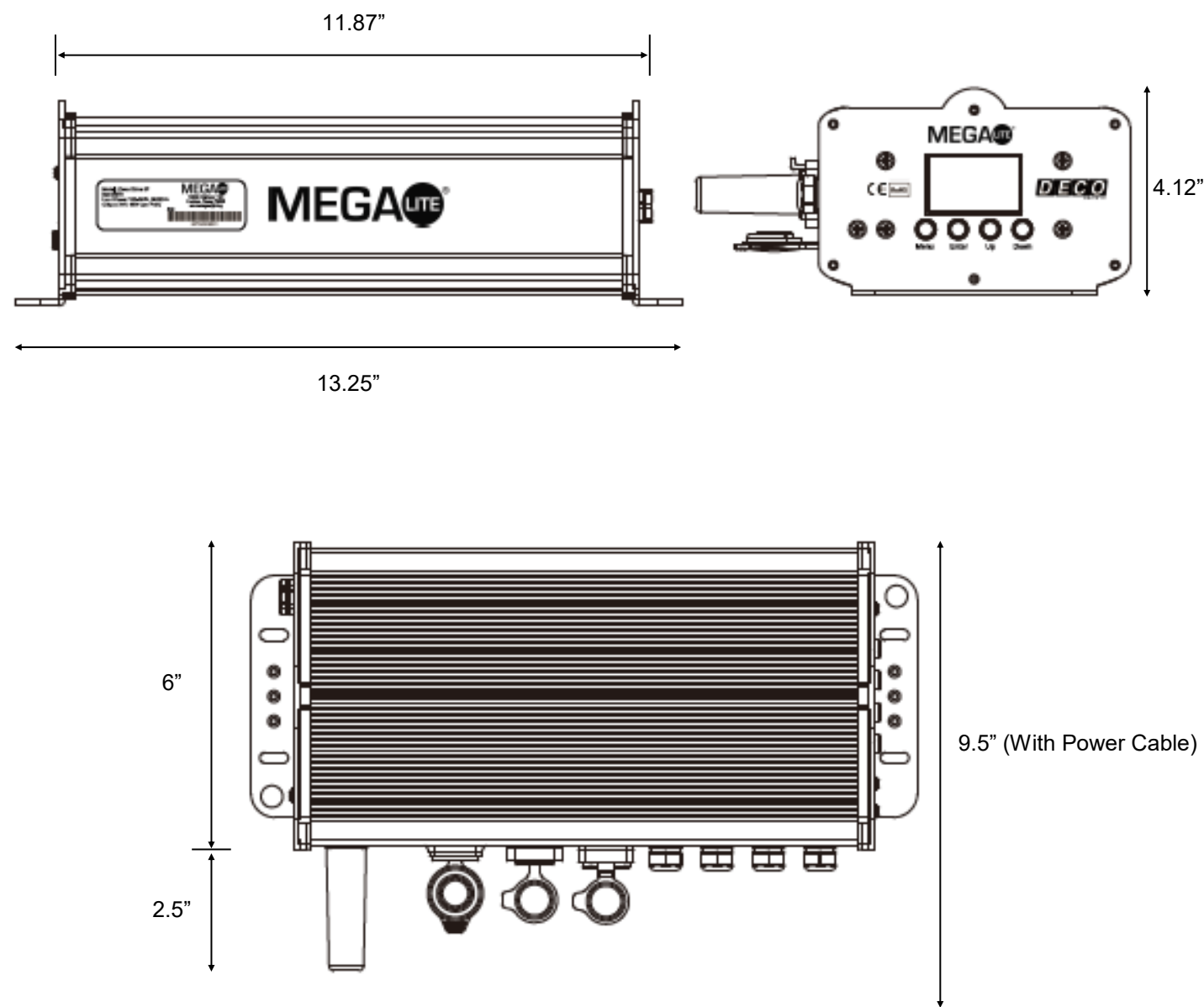
DMX Channel	Function	Description	Value	Init
1	LED Color	Red LED Intensity (all outputs)	0-255	255
2	LED Color	Green LED Intensity (all outputs)	0-255	255
3	LED Color	Blue LED Intensity (all outputs)	0-255	255
4	LED Color	White LED Intensity (all outputs)	0-255	255

Deco Drive IP 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	13.25" X 8.5" X 4.12"
Fixture Packaged	14.75" X 12" X 6.75"
Net Weight	8.8lb
Gross Weight	9.8lb



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) Cooling fins 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.
5. M10 threaded mount is provided on the side of the fixture for clamp mount

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.

Accessories

5060-ADA (not intended for outdoor use)



5060-DIN (din rail mount)



Parts List

Item Number	Description
5070-ANT	IP RATED ANTENNA
5074-FAN	FAN
5074-HOU-CEN	CENTER HOUSING EXTRUSION
5074-HOU-DIS	DISPLAY SIDE HOUSING
5074-HOU-MOU	MOUNTING SIDE HOUSING
5074-PCB-DIS	DISPLAY PCB
5074-PCB-DRI	DRIVER PCB
5074-PCB-WIR	WIRELESS DMX PCB A40895 WDMX
CON-COL-DC5	IP 67 5 POLE PARALLEL CONNECTOR
5060-DIN	DIN RAIL MOUNTS
5060-ADA	5PIN SCREW TERMINAL TO RJ45 ADAPTER



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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	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, 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 issue 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
1.0	09/01/2022	V1.1	



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