

ELAR DRIVER1 PRO™

user manual

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Elation Professional USA | 6122 S. Eastern Ave. | Los Angeles, CA. 90040

323-582-3322 | 323-832-9142 fax | www.elationlighting.com | info@elationlighting.com

Elation Professional B.V. | Junostraat 2 | 6468 EW Kerkrade, The Netherlands

+31 45 546 85 66 | +31 45 546 85 96 fax | www.elationlighting.eu | info@elationlighting.eu

DOCUMENT VERSION



Please check www.elationlighting.com for the latest revision/update of this manual.

Date	Document Version	Notes
12/06/16	1	Initial release.

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GENERAL INFORMATION

INTRODUCTION

This device has been designed to perform reliably for years when the guidelines in this booklet are followed. Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this device. These instructions contain important information regarding safety during use and maintenance.

UNPACKING

Every unit has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your unit for damage and be sure all accessories necessary to operate the unit have arrived intact. In the event damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this unit to your dealer without first contacting customer support at the number listed below. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

BOX CONTENTS

- ELAR DRIVER1 PRO
- (1) 2pin 12-14 AWG Wire Terminal Block
- (2) 3pin 12-14 AWG Wire Terminal Block
- (1) 4pin 12-14 AWG Wire Terminal Block
- Linking Clip

CUSTOMER SUPPORT

Elation Professional® provides a customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at www.elationlighting.com for any comments or suggestions. For service related issue please contact Elation Professional®.

ELATION SERVICE USA - Monday - Friday 8:00am to 5:00pm PST

Voice: 323-582-3322

Fax: 323-832-9142

E-mail: support@elationlighting.com

ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET

Voice: +31 45 546 85 30

Fax: +31 45 546 85 96

E-mail: support@elationlighting.eu

WARRANTY REGISTRATION

Please complete and mail in the enclosed warranty card or register online: <http://www.elationlighting.com/Login.aspx> to validate your purchase. All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without a R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain a R.A. number by contacting customer support.

IMPORTANT NOTICE!

There are no user serviceable parts inside this unit. Do not attempt any repairs yourself; doing so will void your manufactures warranty. Damages resulting from modifications to this fixture and/or the disregard of safety and general user instructions found in this user manual void the manufactures warranty and are not subject to any warranty claims and/or repairs.

LIMITED WARRANTY

A. Elation Professional® hereby warrants, to the original purchaser, Elation Professional® products to be free of manufacturing defects in material and workmanship for a period of two years (730 days), and Elation Professional® product rechargeable batteries to be free of manufacturing defects in material and workmanship for a period of six months (180 days), from the original date of purchase. This warranty excludes discharge lamps and all product accessories. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.

B. For warranty service, send the product only to the Elation Professional® factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Elation Professional® will pay return shipping charges only to a designated point within the United States. If any product is sent, it must be shipped in its original package and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, Elation Professional® shall have no liability what so ever for loss and/or damage to any such accessories, nor for the safe return thereof.

C. This warranty is void if the product serial number and/or labels are altered or removed; if the product is modified in any manner which Elation Professional® concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the Elation Professional® factory unless prior written authorization was issued to purchaser by Elation Professional®; if the product is damaged because not properly maintained as set forth in the product instructions, guidelines and/or user manual.

D. This is not a service contract, and this warranty does not include any maintenance, cleaning or periodic check-up. During the periods as specified above, Elation Professional® will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Elation Professional® under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Elation Professional®. All products covered by this warranty were manufactured after January 1, 1990, and bare identifying marks to that effect.

E. Elation Professional® reserves the right to make changes in design and/or performance improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with the products described above. Except to the extent prohibited by applicable law, all implied warranties made by Elation Professional® in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty periods set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said periods have expired. The consumer's and/or dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall Elation Professional® be liable for any loss and/or damage, direct and/or consequential, arising out of the use of, and/or the inability to use, this product.

G. This warranty is the only written warranty applicable to Elation Professional® products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

SAFETY INSTRUCTIONS



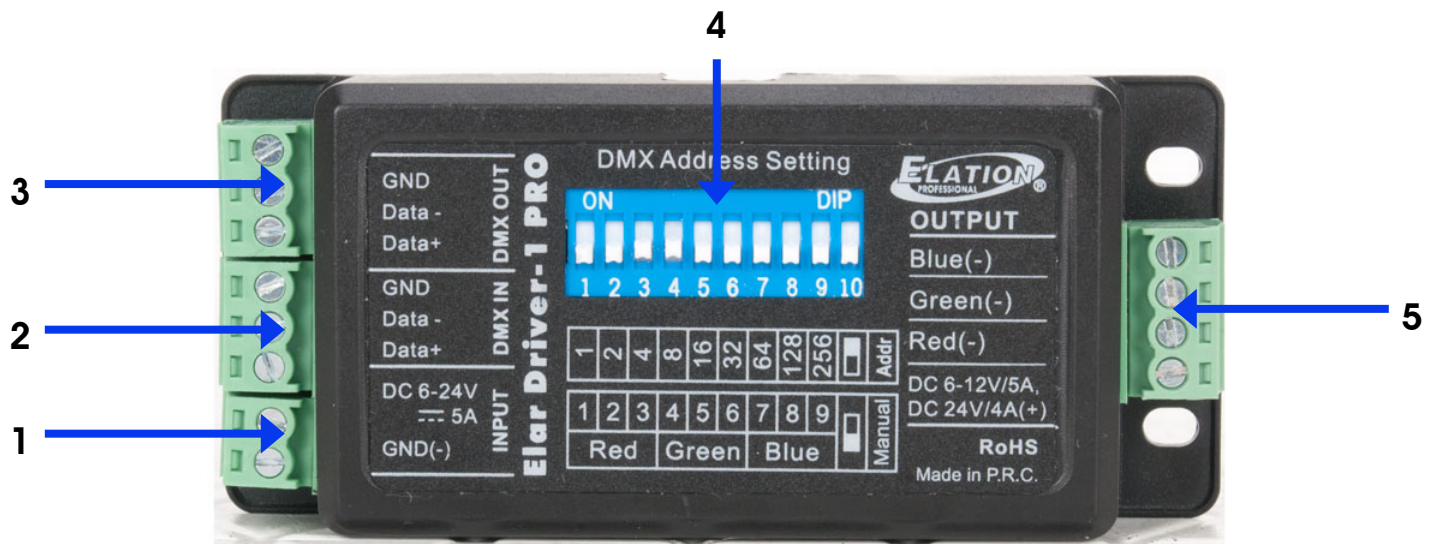
KEEP FLAMMABLE MATERIALS AWAY FROM DEVICE!

INDOOR / DRY LOCATIONS USE ONLY!

DO NOT EXPOSE DEVICE TO RAIN OR MOISTURE!

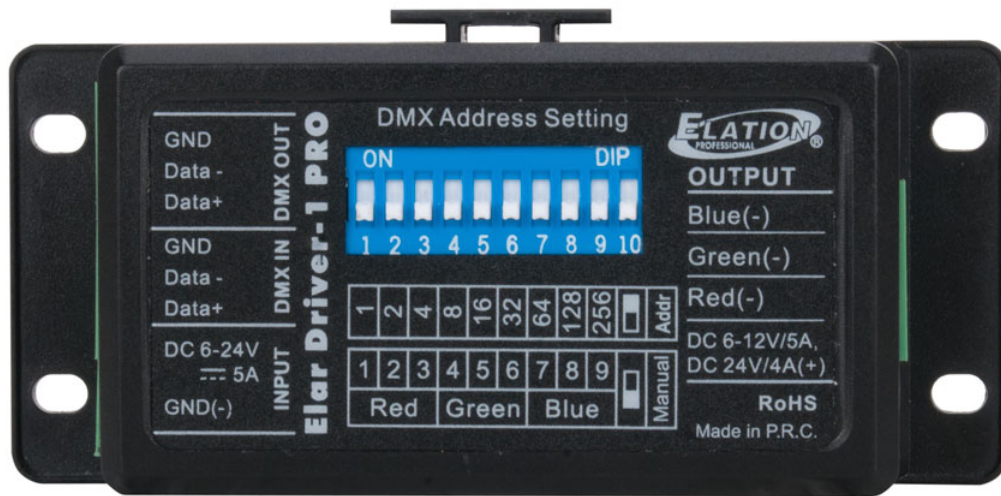
For proper operation, follow the **Installation** guidelines described in this manual. Only qualified and certified personnel should perform installation of this device. Any modifications will void the original manufactures warranty and increase the risk of damage and/or personal injury.

DEVICE OVERVIEW



1. 6-24V 5A DC Power INPUT / 2pin 12-14 AWG Wire Terminal Block
2. DMX INPUT / 3pin 12-14 AWG Wire Terminal Block
3. DMX OUTPUT / 3pin 12-14 AWG Wire Terminal Block
4. DMX Address / Manual Mode DIP Switches
5. DMX & Power 6-12V/5A or 24V/4A OUTPUT / 4pin 12-14 AWG Wire Terminal Block

INSTALLATION

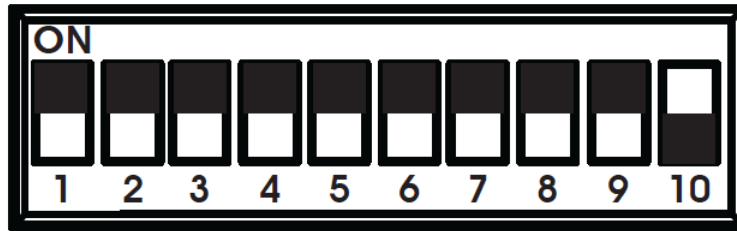


- 1 . Remove all (4) terminal blocks from driver. (See image above)
- 2 . Mount driver on a flat surface with appropriate screws (not included).
- 3 . Connect DMX and Power 12-14 AWG wire to corresponding terminal blocks.
- 4 . Connect terminal blocks to corresponding ports on driver.

Additional drivers can be attached together using included linking clip. (See below)



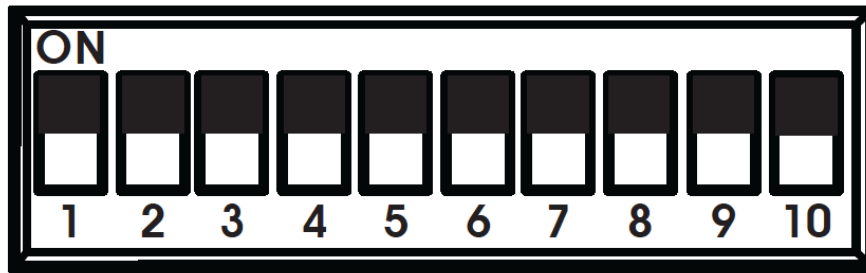
DMX ADDRESSING



- 1 . To set driver DMX address, select **DMX Mode** by turning ON switch **#10**.
- 2 . Using the chart below, turn on the switches that equal the desired DMX address.
For example to set a DMX address of **250**, turn ON switches **#2, #4, #5, #6, #7, #8**.
(2 + 8 + 16 + 32 + 64 + 128 = **250**)

DIP SWITCH	1	2	3	4	5	6	7	8	9	10
VALUE	1	2	4	8	16	32	64	128	256	

MANUAL MODE



- 1 . To control LEDs manually, set driver to **MANUAL Mode** by turning OFF switch **#10**.
- 2 . Using the chart below, turn ON switches that equal the desired brightness level.
For example to set the **RED LED** brightness to **86%**, turn ON switches **#2** and **#3**.

DIP SWITCH	1	2	3	4	5	6	7	8	9	10
LED BRIGHTNESS	RED			GREEN			BLUE			
OFF										
15%	■			■			■			
29%		■			■			■		
43%	■	■		■	■		■	■		
58%			■			■			■	
72%	■		■	■		■	■		■	
86%		■	■		■	■		■	■	
100%	■	■	■	■	■	■	■	■	■	

TECHNICAL SPECIFICATIONS

CONTROL / CONNECTIONS

Manual and DMX-512

DMX IN via 3pin Terminal Block (included)

POWER IN via 2pin Terminal Block (included)

DMX OUT via 3pin Terminal Block (included)

DMX/POWER OUT via 4pin Terminal Block (included)

SIZE / WEIGHT

Length: 3.5" (90mm)

Width: 1.6" (39.9mm)

Vertical Height: 0.8" (20mm)

Weight: 0.12 lbs. (0.05kg)

ELECTRICAL / THERMAL

Refresh Rate 2,000 Hz

Power Input 6-24VDC 5A

Power Output 6-12VDC 5A Max | 24VDC 4A Max

32°F to 104°F (0°C to 40°C)

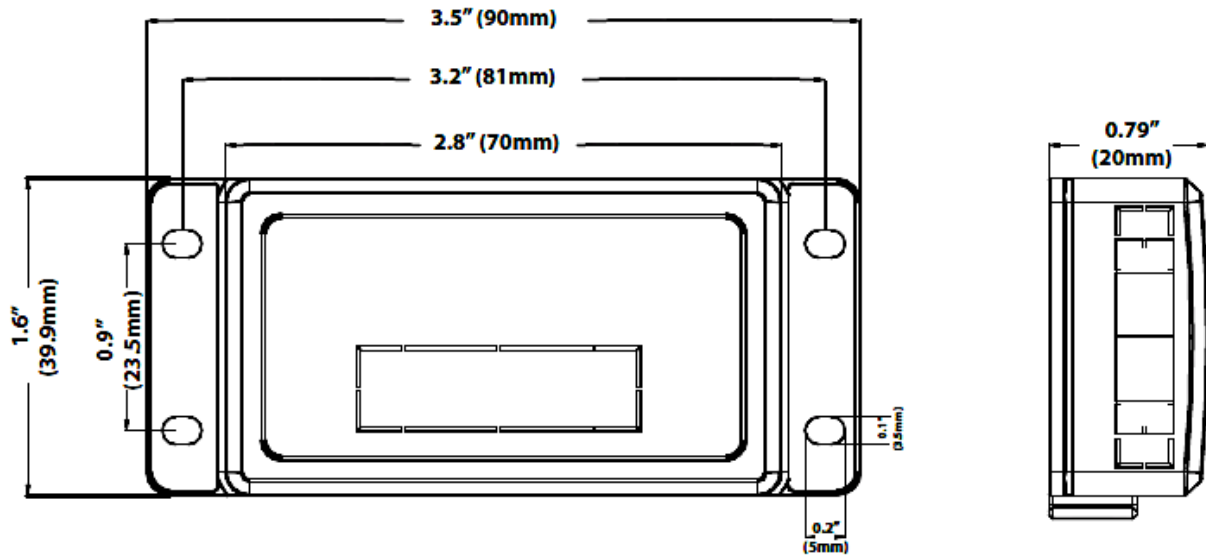
APPROVALS / RATINGS

CE | RoHs | IP20



Intertek
5001230

DIMENSIONAL DRAWINGS



Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

OPTIONAL ACCESSORIES

ORDER CODE	ITEM
FLEX PSU4A	DC-12V 4A POWER SUPPLY

