

ELAR-DRIVER-8-12V™

user manual

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DOCUMENT VERSION



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

Date	Document Version	Notes
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CONTENTS

General Information	4
Warranty	6
Safety Instructions	7
Overview	8
Installation	9
DMX Addressing	10
Stand Alone Mode	11
Technical Specifications	12

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 device 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-DRIVER-8-12V
- (8) 5-Wire 12-14 AWG Terminal Blocks
- Small Screw Driver

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

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WARRANTY REGISTRATION

Please 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 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

To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. The manufacturer of this device is not responsible for injury and/or damages resulting from the misuse of this device due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of this device. Any modifications to the device will void the original manufactures warranty and increase the risk of damage and/or personal injury.



PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED



INDOOR / DRY LOCATIONS USE ONLY!

KEEP FLAMMABLE MATERIALS AWAY FROM DEVICE!

DO NOT EXPOSE DEVICE TO DUST OR METAL OBJECTS!

DO NOT EXPOSE DEVICE TO RAIN OR MOISTURE!

DO NOT PLUG DEVICE INTO A DIMMER PACK!

NEVER OPEN, MODIFY, OR DISMANTLE THIS DEVICE!

NO SERVICEABLE PARTS INSIDE DEVICE!



ALWAYS CONSULT AUTHORIZED PERSONNEL FOR REPAIRS.

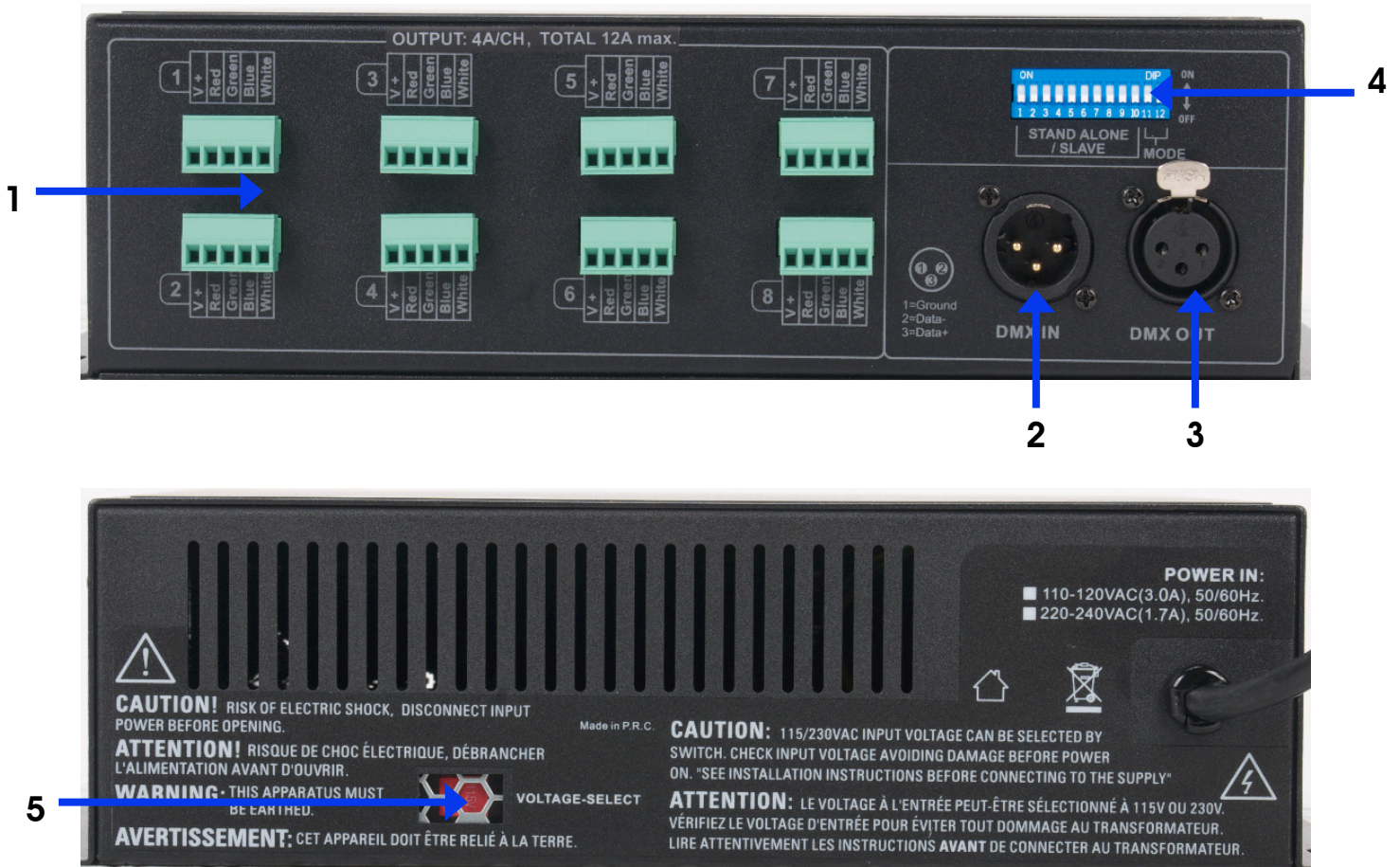
UNPLUG POWER WHEN NOT IN USE FOR EXTENDED PERIODS.

INSTALL DEVICE IN A LOCATION WITH PROPER VENTILATION!

DO NOT SUBJECT DEVCE TO EXCESSIVE HEAT OR HUMIDITY!

DO NOT SUBJECT DEVICE TO EXCESSIVE VIBRATION!

OVERVIEW



1. 5 Wire (V+, Red, Green, Blue, White) 12-14 AWG Terminal Blocks

2. DMX INPUT / 3pin XLR

3. DMX OUTPUT / 3pin XLR

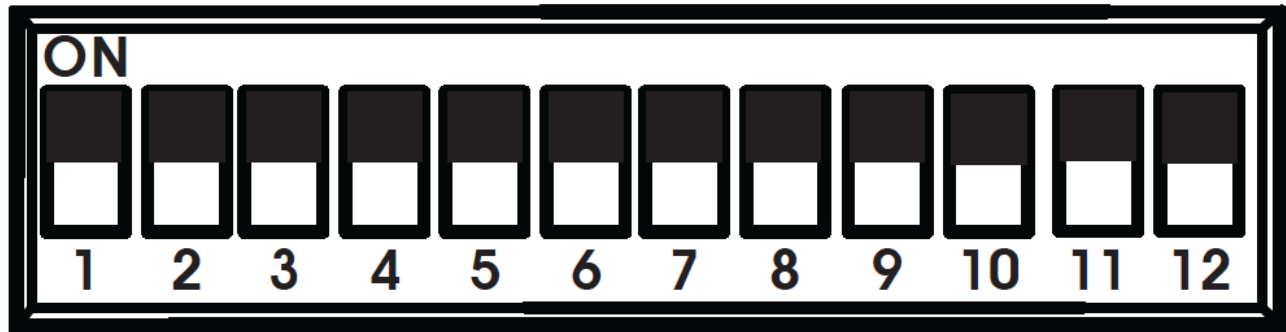
4. DMX Address / Manual Mode DIP Switches

5. Manual Voltage Select Switch (on back side)

INSTALLATION

- 1 . Mount driver on a flat surface with appropriate screws (not included).
- 2 . Select desired voltage by adjusting Voltage Select switch on backside.
- 3 . Turn ON desired DMX Address / Manual Mode DIP Switches. (See next sections)
- 4 . Connect DMX IN/OUT cables.
- 5 . Connect LEDs to terminal blocks and insert into corresponding channel ports.
- 6 . Connect power cable to outlet.

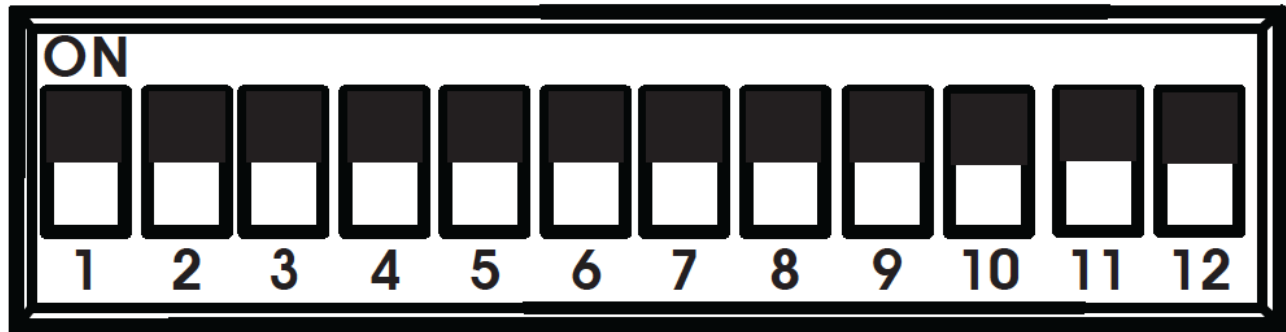
DMX ADDRESSING



- 1 . To set driver DMX address, select **DMX ADDRESS 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
VALUE	1	2	4	8	16	32	64	128	256

STAND ALONE MODE



1. To control LEDs manually, set driver to **STAND ALONE Mode** by turning OFF switch **#10**.
2. Using chart below, turn ON switches that equal desired control for each function:
Fade Time, Speed, Program, and Mode.
 For example to select AUTO Program, turn ON switches **#7, #8, and #9**.

	1	2	3		4	5	6		7	8	9		11	12
	FADE TIME				SPEED				PROGRAM				MODE	
0%				0.1S				1					WHITE	
:	■			0.2S	■			2	■				COLOR & WHITE	■
:		■		0.5S		■		3		■			RGB	
:	■	■		1S	■	■		4	■	■			RGB & WHITE	■
:			■	5S			■	5			■			
:	■		■	10S	■		■	6	■		■			
:		■	■	20S		■	■	7		■	■			
100%	■	■	■	30S	■	■	■	AUTO	■	■	■			

TECHNICAL SPECIFICATIONS

CONTROL / CONNECTIONS

8 Zone / 32 DMX Channels
DMX-512 and Manual Stand Alone Modes
12 Dip Switches
DMX IN/OUT via 3pin XLR
(8) 5-Wire 12-14 AWG Terminal Blocks (included)

SIZE / WEIGHT

Length: 11.2" (285.5mm)
Width: 5.7" (146mm)
Vertical Height: 3.0" (76mm)
Weight: 4.0 lbs. (1.81kg)

ELECTRICAL / THERMAL

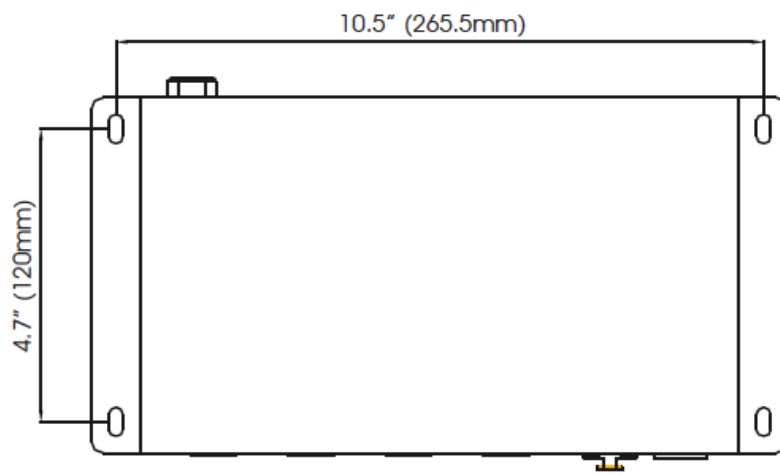
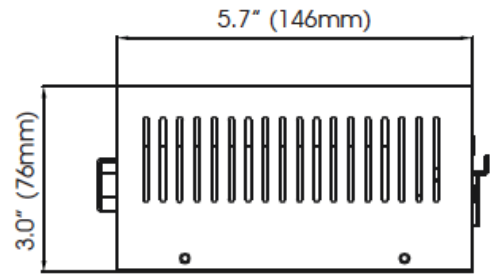
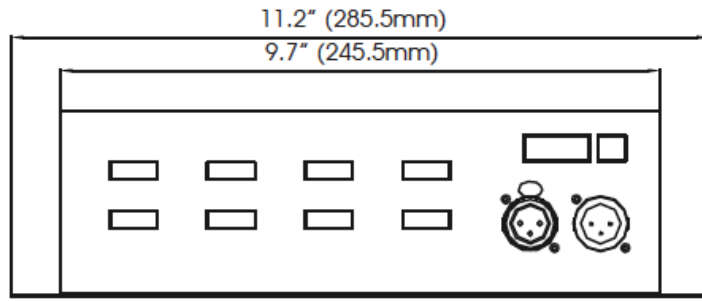
Power Input 110-120VAC (3.0A) 50/60Hz | 220-240VAC (1.7A) 50/60Hz
Power Output 12VDC 150W 4A/Channel Max
32°F to 104°F (0°C to 40°C)

APPROVALS / RATINGS

CE | RoHs | IP20



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.

