



# OPTO BRANCH 4™

user manual

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## **DOCUMENT VERSION**



Please check [www.elationlighting.com](http://www.elationlighting.com) for the latest revision/update of this manual.

<b>Date</b>	<b>Document Version</b>	<b>Notes</b>
7/30/15	1	Updated manual format.

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## GENERAL INFORMATION

### INTRODUCTION

This single rack space, 4-way distributor/booster 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 device for damage and be sure all accessories necessary to operate the device 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 device 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

- (2) Rack Mount Brackets & (4) Screws
- (4) Rubber Pads
- Manual & Warranty Card

## **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](http://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 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 device. 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 whatsoever 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 label 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 bore 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.

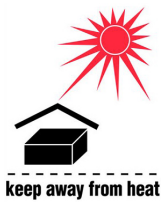
## SAFETY GUIDELINES



This device is an extremely sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow the guidelines in this manual. The manufacturer of this device will not accept responsibility for damages resulting from the misuse of this device due to the disregard of the information printed in this manual.



**I N D O O R S U S E O N L Y !**  
**DO NOT EXPOSE DEVICE TO RAIN AND MOISTURE!**

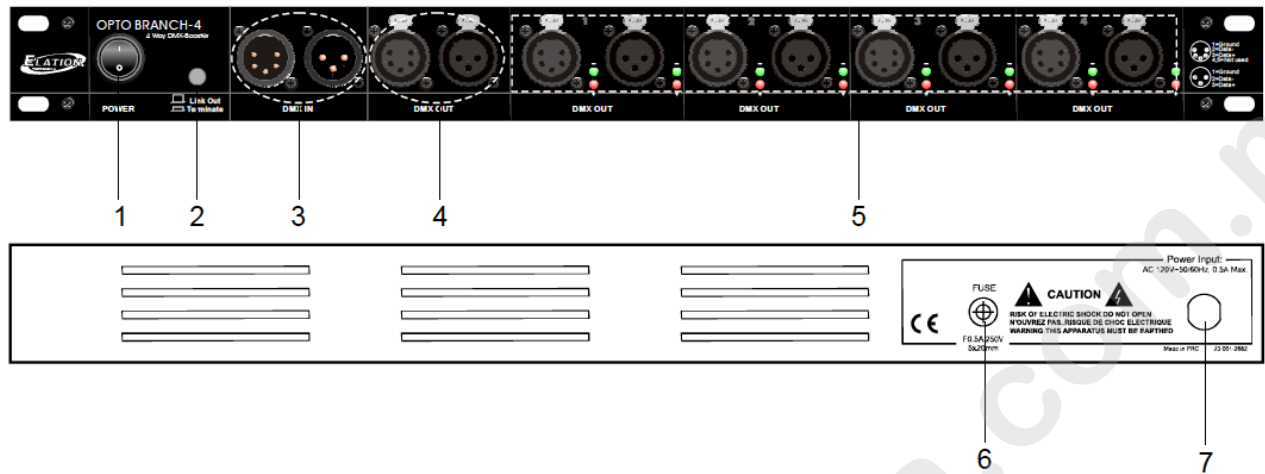


**DO NOT EXPOSE DEVICE TO HEAT OR FIRE!**



**DO NOT REMOVE EXTERNAL COVER/HOUSING!**  
**DO NOT PLUG DEVICE INTO A DIMMER PACK!**

## OVERVIEW



1. **Power Switch** - Turn device ON/OFF.
2. **Link Out / Terminate Selector** - This switch is primarily used for troubleshooting. When the switch is in the "Terminate" position, DMX output (4) is disabled. When the switch is in the "Link Out" position, signal to output (4) is enabled and additional devices can be linked.
3. **DMX Input** - These jacks are used to receive incoming DMX512 signal.
4. **DMX Output** - These jacks are used to link out to standard DMX512 devices.
5. **DMX Output / With Driver** - These jacks should be connected to DMX512 compatible fixtures or packs.
6. **Fuse** - F0.5A 250V 5x20mm (There are five total fuses, one main external and four internal, one for each output.)
7. **Power Input** - AC 120V - 60Hz, 0.5A



## INSTALLATION



### **FLAMMABLE MATERIAL WARNING**

Keep device at least 5.0 ft. (1.5m) away from any flammable materials, decorations, pyrotechnics, etc.



### **ELECTRICAL CONNECTIONS**

A qualified electrician should be used for all electrical connections and/or installations.

## INSTALLATION OPTIONS

Device can be placed on any flat surface when the included (4) rubber feet are attached to the bottom of the device.

Device can also be installed in a standard 19-inch U rack space using the standard rack screws (not included).

# TECHNICAL SPECIFICATIONS

## FEATURES

- 4-Way DMX Data Splitter / Fully DMX 512 (1990) Compliant
- Link / Terminate Button for Easy Troubleshooting
- DMX Status LED Indicator
- (1) 3pin + (1) 5pin Neutrik XLR Isolated Inputs
- (1) 3pin + (1) 5pin Neutrik XLR Passive Loop Output
- (4) 3pin + (4) 5pin Neutrik XLR Isolated Outputs

## SIZE / WEIGHT

- Length: 19.0" (482mm)
- Width: 5.7" (145mm)
- Vertical Height: 1.7" (44mm)
- Weight: 5.3 lbs. (2.4 kg)

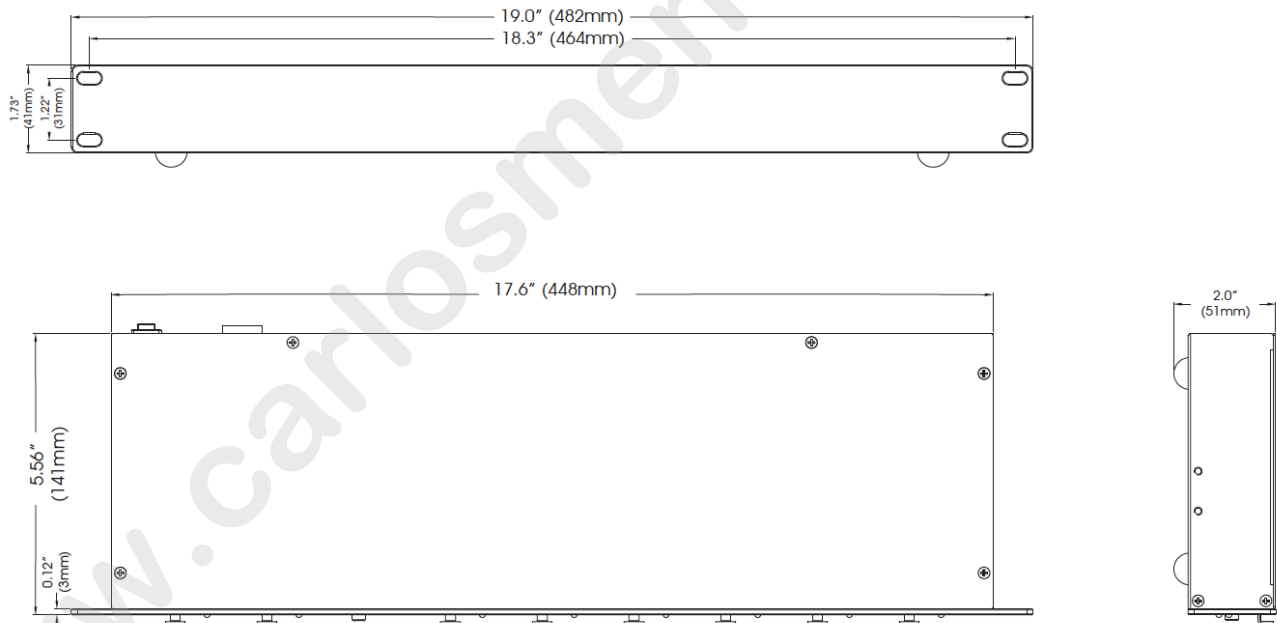
## ELECTRICAL

AC 120V - 60Hz 0.5A

## APPROVALS

CE

## 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
AC3PDMX5PRO	5 ft. (1.5m) 3pin PRO DMX Cable
AC5PDMX5PRO	5 ft. (1.5m) 5pin PRO DMX Cable
	Additional Cable Lengths Available

