

# OPTO BRANCH 6 RJ45™

## user manual

©2015 **ELATION PROFESSIONAL** all rights reserved. Information, specifications, diagrams, images, and instructions herein are subject to change without notice. ELATION PROFESSIONAL logo and identifying product names and numbers herein are trademarks of ELATION PROFESSIONAL. Copyright protection claimed includes all forms and matters of copyrightable materials and information now allowed by statutory or judicial law or hereinafter granted. Product names used in this document may be trademarks or registered trademarks of their respective companies and are hereby acknowledged. All non-ELATION brands and product names are trademarks or registered trademarks of their respective companies.

**ELATION PROFESSIONAL** and all affiliated companies hereby disclaim any and all liabilities for property, equipment, building, and electrical damages, injuries to any persons, and direct or indirect economic loss associated with the use or reliance of any information contained within this document, and/or as a result of the improper, unsafe, insufficient and negligent assembly, installation, rigging, and operation of this product.

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

323-582-3322 | 323-832-9142 fax | [www.elationlighting.com](http://www.elationlighting.com) | [info@elationlighting.com](mailto:info@elationlighting.com)

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

+31 45 546 85 66 | +31 45 546 85 96 fax | [www.elationlighting.eu](http://www.elationlighting.eu) | [info@elationlighting.eu](mailto:info@elationlighting.eu)

## DOCUMENT VERSION



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

Date	Document Version	Notes
5/2015	1	Initial Release.

## CONTENTS

General Information	4
Warranty	6
Safety Instructions	7
Device Overview	8
Technical Specifications	9
Optional Accessories	10

## GENERAL INFORMATION

### INTRODUCTION

The **OPTO BRANCH 6 RJ45™** is a single rack space 6-way DMX/RDM data splitter / amplifier with Neutrik EtherCON/RJ45 master input and output, a link / terminate button for easy troubleshooting, (6) Neutrik EtherCON/RJ45 isolated outputs, and a auto switching power supply (100-240v 50/60Hz).

### 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

- Rack Mounting Hardware
- 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**

**Fax: 323-832-9142**

E-mail: [support@elationlighting.com](mailto: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](mailto:support@elationlighting.eu)

## **WARRANTY REGISTRATION**

Please fill out the enclosed warranty card 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



This fixture 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.



This device falls under **PROTECTION CLASS 1**. It's essential this device be grounded properly. Only qualified personnel should perform all electrical connections.



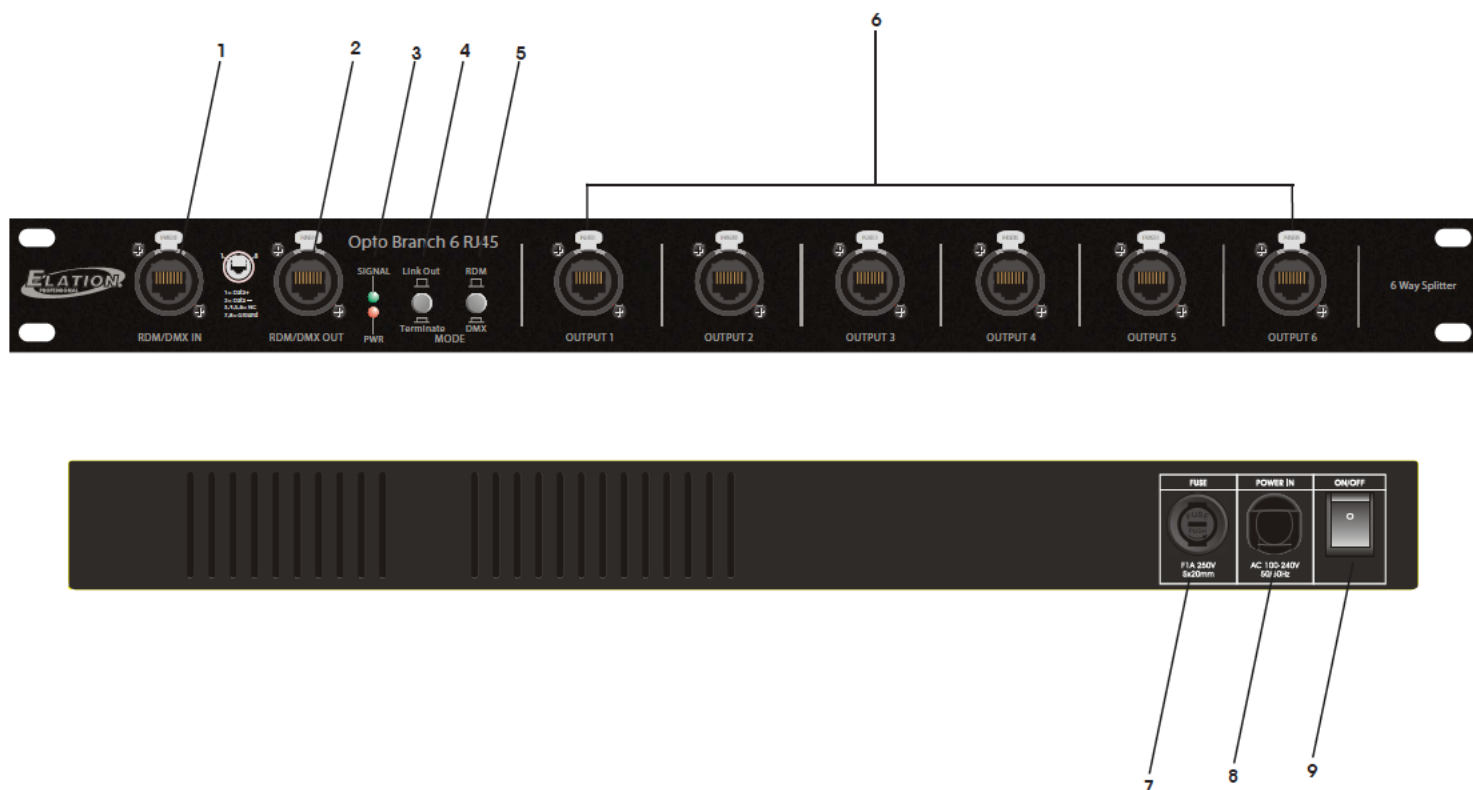
**KEEP THIS FIXTURE AWAY FROM RAIN AND MOISTURE!**



**UNPLUG POWER BEFORE SERVICING FIXTURE**

- **NEVER OPEN THIS DEVICE WHILE IN USE!**
- **DO NOT EXPOSE TO WATER and/or HIGH LEVELS OF HUMIDITY.**
- This device must be grounded.
- This device is intended for **INDOOR / DRY LOCATIONS ONLY**.
- Please make sure there are **NO FLAMMABLE MATERIALS** close to the device while operating, to prevent any fire hazard.
- When replacing the fuse, always replace with the same type.
- Use original packaging/materials to transport the device for service.

## DEVICE OVERVIEW



- 1: RDM/DMX IN**
- 2: RDM/DMX OUT**
- 3: SIGNAL / POWER LED INDICATORS**
- 4: LINKOUT / TERMINATE MODE SWITCH**
- 5: RDM / DMX MODE SWITCH**
- 6: (6) EtherCON/RJ45 Isolated Outputs**
- 7: FUSE**
- 8: POWER CORD**
- 9: POWER ON/OFF SWITCH**

# TECHNICAL SPECIFICATIONS

## FEATURES

Neutrik EtherCON Master Input/Output  
 Link / Terminate Button for Easy Troubleshooting  
 (6) Isolated Neutrik EtherCON Outputs  
 Auto Switching Power Supply

## SIZE / WEIGHT

Length: 19.0" (482mm)  
 Width: 5.7" (145mm)  
 Vertical Height: 1.7" (44mm)  
 Weight: 5.0 lbs. (2.3 kg)

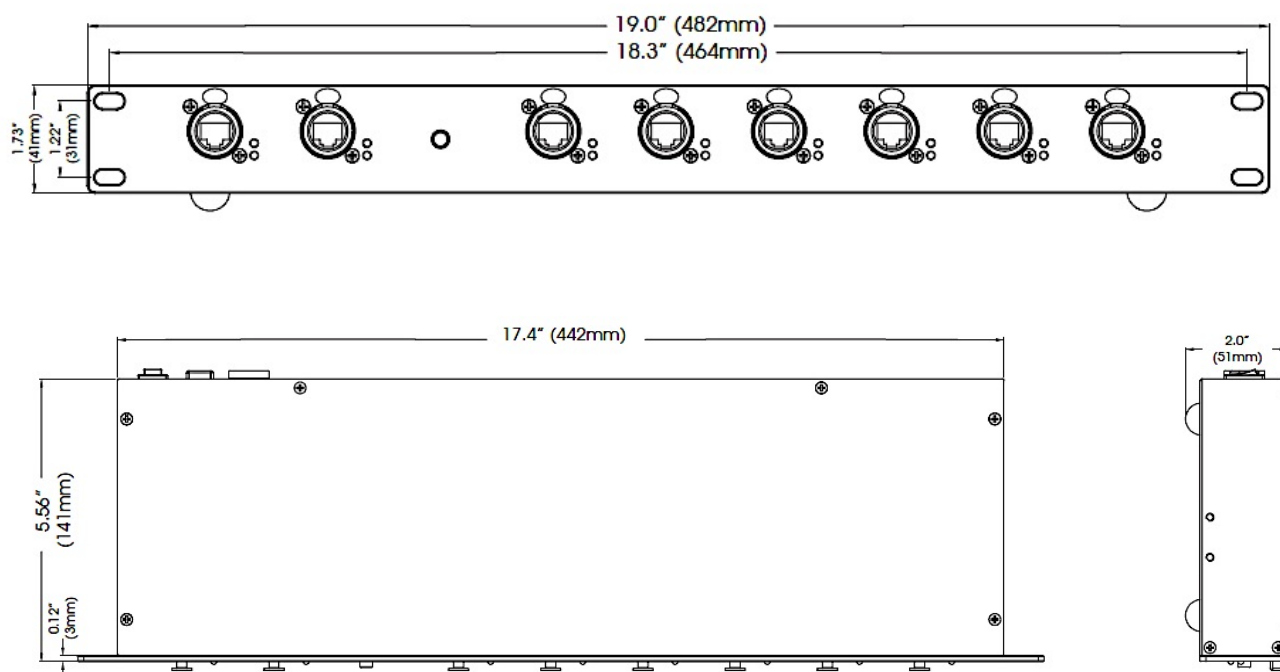
## ELECTRICAL

AC 100-240V - 50/60Hz  
 6W Max Power Consumption

## 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
CAT6PRO5	5 ft. (1.5m) CAT6 PRO ETHER-CON Cable
CAT6PRO10	10 ft. (3m) CAT6 PRO ETHER-CON Cable
CAT6PRO15	15 ft. (4.6m) CAT6 PRO ETHER-CON Cable
CAT6PRO25	25 ft. (7.6m) CAT6 PRO ETHER-CON Cable
CAT6PRO50	50 ft. (15m) CAT6 PRO ETHER-CON Cable
	Additional Cable Lengths Available

