

# ELIMINATOR<sup>®</sup>

LIGHTING



## LP 12 HEX

### User Guide

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### **D O C U M E N T   V E R S I O N**

An updated version of this document may be available online.

Please check [www.adj.com](http://www.adj.com) for the latest revision/update of this document before beginning installation and use.

<b>Date</b>	<b>Document Version</b>	<b>DMX Channels</b>	<b>Notes</b>
09/19/2019	1	6, 8, or 10	Initial release.
12/05/2022	1.1	No Change	Added Multi Unit Power Linking; updated Specifications

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# GENERAL INFORMATION

## INTRODUCTION

Please read and understand all instructions in this manual carefully and thoroughly before attempting to operate this product. These instructions contain important safety and use information.

**UNPACKING:** This product has been thoroughly tested and has been shipped in perfect condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your product for damage and be sure all accessories necessary to assemble the product 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 product 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.

## CUSTOMER SUPPORT

Tel: (323) 213-4592 | Fax: 888-287-5224 | [www.adj.com](http://www.adj.com) | [support@eliminatorlighting.com](mailto:support@eliminatorlighting.com)

## WARRANTY RETURNS

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.

## LIMITED WARRANTY (USA ONLY)

A. Eliminator Lighting, an ADJ Products, LLC brand, hereby warrants, to the original purchaser, ADJ Products, LLC products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty period on reverse). 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 you must obtain a Return Authorization number (RA#) before sending back the product, please contact ADJ Products, LLC Service Department at 800-322-6337. Send the product only to the ADJ Products, LLC factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall have no liability whatsoever for loss of or damage to any such accessories, or for the safe return thereof.

C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which ADJ Products, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because not properly maintained as set forth in the instruction manual.

D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check-up. During the period specified above, ADJ Products, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear identifying marks to that effect.

E. ADJ Products, LLC reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by ADJ Products, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has 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 ADJ Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

This warranty is the only written warranty applicable to Eliminator Lighting, an ADJ Products, LLC brand, and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

### MANUFACTURER'S LIMITED WARRANTY PERIODS:

**All Eliminator Lighting products (except laser diodes) = 1-year (365 days) Limited Warranty** (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc., excluding lamps)

**Laser Products = 1 Year (365 Days) Limited Warranty** (excluding laser diodes which have a 6 month limited warranty)

**Batteries = 180 Day Limited Warranty**

To register your Eliminator Lighting product online, please click here to the ADJ Warranty Registration Page:  
<https://www.adj.com/portal/user/register/>

# SAFETY GUIDELINES

To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. **ELIMINATOR LIGHTING** is not responsible for injury and/or damages resulting from the misuse of these devices due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of these devices and only the original rigging parts included with these devices should be used for installation. Any modifications to these devices and/or the included mounting hardware will void the original manufacturer's warranty and increase the risk of damage and/or personal injury.

## **CAUTION**

### **HIGH INTENSITY ULTRAVIOLET LIGHT**



**AVOID DIRECT EYE & SKIN EXPOSURE.  
WEAR PROPER EYE & SKIN PROTECTION.  
SEE MANUAL FOR SAFETY INSTRUCTIONS.**

**RISK GROUP 3 - RISK OF EXPOSURE TO ULTRAVIOLET (UV) RADIATION!  
FIXTURE EMITS HIGH INTENSITY WAVELENGTH OF ULTRAVIOLET LIGHT  
AT A WAVELENGTH OF 395NM – 400NM.**

**WEAR PROPER EYE AND SKIN PROTECTION.**

**DO NOT OPERATE FIXTURE WITH DAMAGED/MISSING EXTERNAL  
COVER PROTECTIVE LENS.**

**DO NOT LOOK DIRECTLY INTO THE (UV) LIGHT AND/OR VIEW (UV) LIGHT  
DIRECTLY WITH OPTICAL INSTRUMENTS THAT MAY CONCENTRATE THE  
LIGHT/RADIATION OUTPUT.**

**AVOID PROLONGED PERIODS OF EXPOSURE.**

**AVOID WEARING WHITE COLOR CLOTHING AND/OR USING (UV) PAINTS ON SKIN.**

**AVOID DIRECT EYE AND/OR SKIN EXPOSURE AT DISTANCES SHORTER THAN 11 feet (3.3m).**

**INDIVIDUALS SUFFERING FROM A RANGE OF EYE CONDITIONS, SUNLIGHT EXPOSURE DISORDERS,  
OR INDIVIDUALS USING PHOTSENSITIVE MEDICATION, MAY RECEIVE DISCOMFORT IF EXPOSED TO  
THE ULTRAVIOLET (UV) LIGHT EMITTED FROM THIS FIXTURE.**



**THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS DEVICE. DO NOT ATTEMPT ANY  
REPAIRS YOURSELF; DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY.  
DAMAGES RESULTING FROM MODIFICATIONS TO THIS DEVICE AND/OR THE DISREGARD  
OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE  
MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS  
AND/OR REPAIRS.**



**NEVER TOUCH LIGHT DURING OPERATION, AS IT MAY BE HOT!  
ALWAYS DISCONNECT FROM THE MAIN POWER BEFORE REPLACING LAMPS!  
ALWAYS REPLACE WITH SAME LAMPS AND FUSES!  
KEEP FLAMMABLE MATERIALS AWAY FROM THESE DEVICES!**



**INDOOR / DRY LOCATIONS USE ONLY!  
DO NOT EXPOSE DEVICES TO RAIN AND/OR MOISTURE!**



**NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE!  
RETINA INJURY RISK - MAY INDUCE BLINDNESS!  
SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!**

# SAFETY GUIDELINES

**DO NOT** position devices close to any **FLAMMABLE MATERIALS** while operating.

**DO NOT** attempt installation and/or operation of devices without knowledge of how to do so.

**DO NOT** permit operation by persons who are not qualified to operate these types of devices.

**DO NOT** shake devices, avoid brute force when installing and/or operating.

**DO NOT** operate these devices if the main power cord has become frayed, crimped and/or damaged.

Replace any damaged power cords with cords of a similar power rating.

**DO NOT** remove or break off the ground plug from the device power cords.

**DO NOT** remove or disassemble devices, there are NO user serviceable parts inside.

**ALWAYS** disconnect devices from main power source before performing any cleaning.

**ALWAYS** disconnect light from main power before replacing lamp.

**ALWAYS** be sure to install these devices in an area that will allow proper ventilation.

**NEVER** remove the ground prong from the power cable.

Power cords should be safely routed and secured so they are not likely to get pinched.

Disconnect power cords during long periods of non-use.

Only use recommended rigging hardware as described in this guide.

Use the original packaging and materials to transport these devices for service.

These devices should be serviced by qualified service personnel when:

- The power cords or plugs have become damaged.
- Objects have fallen on and/or liquid has spilled into the devices.
- The devices have been exposed to rain and/or moisture.
- The devices do not operate normally or exhibit a marked change in performance.

# MAINTENANCE GUIDELINES



**DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!**

## CLEANING

Frequent cleaning is recommended to ensure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment which the device operates in: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture housing and/or light fixture optics. Clean the external surface and the front lens of the light at least every 20 days with a soft cloth to avoid dirt/debris accumulation

**NEVER** use alcohol, solvents, or ammonia-based cleaners.

## MAINTENANCE

Regular inspections are recommended to ensure proper function and extended life. There are no user serviceable parts inside these devices, please refer all other service issues to Eliminator Lighting. Should you need any spare parts, please order genuine parts from Eliminator Lighting.

Please refer to the following points during routine inspections:

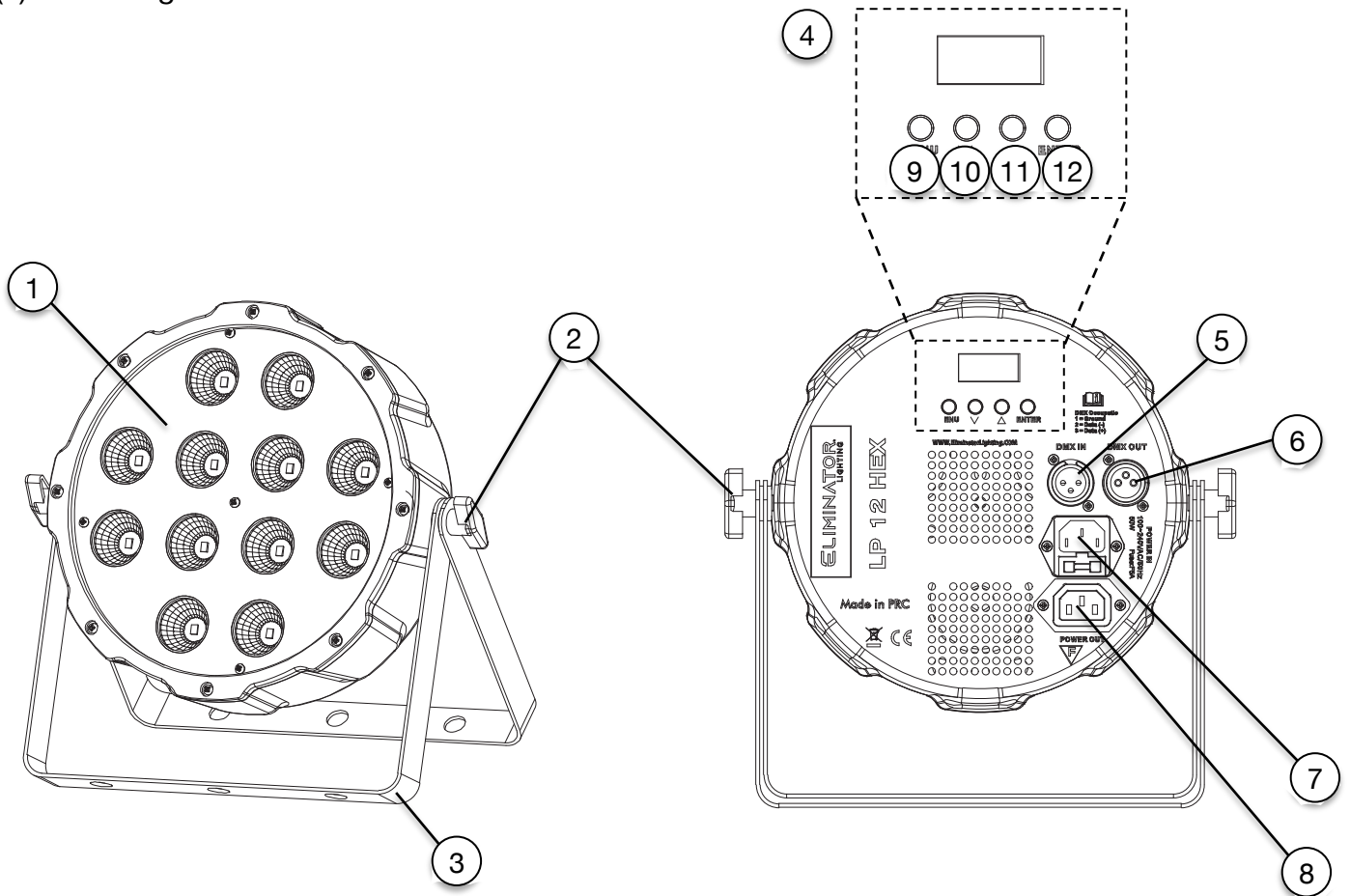
- A detailed review by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.
- Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation resulting in damage or injury as larger parts could fall.
- Check for any deformations on the light housing, lens, rigging hardware and rigging points (ceiling, suspension, trussing. etc.). Deformations could allow for dust to enter into the devices. Damaged rigging points or unsecured rigging could cause the devices to fall and seriously injure a person(s).
- Electric power supply cables must not show any damage, material fatigue or sediments.



# OVERVIEW

## INCLUDED ITEMS

- (1) LP 12 HEX
- (1) IEC Power Cord
- (1) Mounting Bracket



1. LP 12 HEX

2. Adjustment Knob

3. Mounting Bracket

4. LCD Screen

5. 3-pin DMX In

6. 3-pin DMX Out

7. Power In

8. Power Out

9. Menu Button

10. Down Button

11. Up Button

12. Enter Button

# INSTALLATION GUIDELINES



## **FLAMMABLE MATERIAL WARNING**

Keep devices minimum 5.0 feet (1.5m) away from flammable materials and/or pyrotechnics.



## **ELECTRICAL CONNECTIONS**

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



## **DO NOT INSTALL THE DEVICES IF YOU ARE NOT QUALIFIED TO DO SO!**

**OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE, INCLUDING AMONGST OTHERS CALCULATING WORKING LOAD LIMITS, INSTALLATION MATERIAL BEING USED, AND PERIODIC SAFETY INSPECTION OF ALL INSTALLATION MATERIAL AND THE MOTOR. IF YOU LACK THESE QUALIFICATIONS, DO NOT ATTEMPT THE INSTALLATION YOURSELF. IMPROPER INSTALLATION CAN RESULT IN BODILY INJURY.**

**BEFORE RIGGING/MOUNTING DEVICES TO ANY METAL TRUSS/STRUCTURE OR CEILING, A PROFESSIONAL EQUIPMENT INSTALLER MUST BE CONSULTED TO DETERMINE IF THE METAL TRUSS/STRUCTURE OR CEILING IS PROPERLY CERTIFIED TO SAFELY HOLD THE COMBINED WEIGHT OF THE LIGHT FIXTURE, CLAMPS, CABLES, AND ACCESSORIES.**

**BEFORE MOUNTING DEVICES TO ANY SURFACE OR STRUCTURE, MAKE SURE THE SURFACE OR STRUCTURE CAN HOLD A MINIMUM POINT LOAD OF 10 TIMES THE WEIGHT OF THE DEVICES.**

**MAKE SURE SCREWS AND/OR ANCHOR BOLTS (NOT INCLUDED) FIT INTO MOUNTING HOLES!**

**FOR ADDED PROTECTION, MOUNT DEVICES IN AREAS OUTSIDE WALKING PATHS, SEATING AREAS, OR AREAS WHERE UNAUTHORIZED PERSONNEL CAN REACH THE DEVICES.**

**SECURE FIXTURE WITH A SECONDARY SAFETY ATTACHMENT, SUCH AS AN APPROPRIATE SAFETY CABLE. (NOT INCLUDED)**

**NEVER STAND DIRECTLY BELOW THE DEVICES WHEN MOUNTING, REMOVING OR SERVICING.**

**DEVICES MUST ALL BE INSTALLED FOLLOWING ALL LOCAL, NATIONAL, AND COUNTRY COMMERCIAL ELECTRICAL AND CONSTRUCTION CODES AND REGULATIONS.**

## **INSTALLATION**

The unit should be mounted using a mounting clamp (not provided), affixing it to the mounting bracket that is provided with the unit. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times the unit's weight. Also, always use a safety cable that can hold 12 times the weight of the unit when installing the fixture.

The equipment must be installed by a professional and it must be installed in a place where it is out of the reach of people's grasp.

Ensure ALL connections and end caps are properly sealed with nonconductive dielectric grease (available at most electrical suppliers) to prevent water ingress/condensation and/or corrosion.

# SYSTEM MENU

Menu	Submenu	Description
Addr	A001 - A512	DMX512 Address Settings (6, 8 or 10 Channel Mode)
ASC-	AS00 – AS12	Jump change mode/speed
ACC-	AC00 – AC12	Pulse change mode/speed
FAde	FA00 – FA12	Fade change/speed
SOUF	SF00 – SF12	Sound Active / Pulse mode
rL--	rL00 – rL12	RGBW + UV Dimmer Mode
gL--	gL00 – gL12	RGBW + UV Dimmer Mode
bL--	bL00 – bL12	RGBW + UV Dimmer Mode
uL--	uL00 – uL12	RGBW + UV Dimmer Mode
yL--	yL00 – yL12	RGBW + UV Dimmer Mode
PL--	PL00 – PL12	RGBW + UV Dimmer Mode
FLAS		<u>Flash / Strobe speed</u>
	FL00	Off
	FL01 – FL03	Speed, slow to fast
	FL04 – FL06	Speed, slow to fast
	FL07 – FL09	Speed, slow to fast
	FL10 – FL12	Speed, slow to fast

# OPERATION

**DMX Mode:** This function will allow you to control each individual fixture's traits with a standard DMX 512 controller. Operating through a DMX controller gives the user the freedom to create their own programs tailored to their own individual needs. The LP12 HEX has multiple DMX channel modes. See the chart below for the DMX traits and values.

1. To run your fixture in DMX mode press the MENU or UP and DOWN buttons until "Addr" is displayed and press ENTER. "AXXX" will now be displayed. "XXX" represents the current displayed address. Use the UP or DOWN buttons to select your desired DMX address.
2. Press ENTER again to select your desired DMX channel mode. Use the UP and DOWN buttons to find your desired DMX channel mode.
3. After you have chosen your desired DMX address and DMX channel mode, press ENTER and plug in the fixture via the XLR connections to any standard DMX controller.

## ***Jump Change Mode:***

1. Plug the fixture in and press the MENU or UP and DOWN buttons until "ASC-" is displayed.
2. Press the ENTER button to adjust the Jump speed. Use the UP and DOWN buttons to adjust the speed.
3. The speed can be adjusted between "AS00" (slowest) to "AS12" (fastest).

## ***Pulse Change Mode:***

1. Plug the fixture in and press the MENU or UP and DOWN buttons until "ACC-" is displayed.
2. Press the ENTER button to adjust the Pulse speed. Use the UP and DOWN buttons to adjust the speed.
3. The speed can be adjusted between "AC00" (slowest) to "AC12" (fastest).

## ***Fade Mode:***

1. Plug the fixture in and press the MENU or UP and DOWN buttons until "FAde" is displayed.
2. Press the ENTER button to adjust the Fade speed. Use the UP and DOWN buttons to adjust the speed.
3. The speed can be adjusted between "FA00" (slowest) to "FA12" (fastest).

## ***Sound Active Pulse Mode:***

1. Plug the fixture in and press the MENU or UP and DOWN buttons until "SOUF" is displayed.
2. Press the ENTER button to adjust the sound sensitivity. Use the UP and DOWN buttons to adjust the sensitivity. The sensitivity can be adjusted between "SF00" (least sensitive) to "SF12" (most sensitive).

# OPERATION

## ***RGBW + UV Dimmer Mode:***

1. Plug the fixture in and press the MENU or UP and DOWN buttons until “rL”, “gL”, “bL”, “uL”, “yL” or “PL” is displayed, and press ENTER.
2. Use the UP and DOWN buttons to adjust the output intensity. When you are finished adjusting press ENTER.

## ***Flash / Strobe Mode:***

1. After you have adjusted the colors you can activate strobing by pressing the MENU button until “FLAS” is displayed and press ENTER.
2. Use the UP and DOWN buttons to adjust the flash/strobe speed. The speed can be adjusted between “FL00” to “FL12”.

# DMX TRAITS

DMX CHANNELS / VALUES / FUNCTIONS				
Channel Mode (6, 8 or 10 Channel)			Value	Function
6 Channels	8 Channels	10 Channels		
	Channel 1	Channel 1	0-255	Master Dimmer (0-100%)
Channel 1	Channel 2	Channel 2	0-255	Red Dimmer (0-100%)
Channel 2	Channel 3	Channel 3	0-255	Green Dimmer (0-100%)
Channel 3	Channel 4	Channel 4	0-255	Blue Dimmer (0-100%)
Channel 4	Channel 5	Channel 5	0-255	White Dimmer (0-100%)
Channel 5	Channel 6	Channel 6	0-255	Amber Dimmer (0-100%)
Channel 6	Channel 7	Channel 7	0-255	UV Dimmer (0-100%)
		Channel 8	0-15	No Function
			16-75	Jump Change Mode / Speed
			76-135	Pulse Change Mode / Speed
			136-195	Fade Change / Speed
			196-255	Sound Active Pulse Mode
		Channel 9	0-255	Sound Active Pulse Mode Speed/Sensitivity
	Channel 8	Channel 10		<u>Flash/Strobe speed</u>
			0-5	Off
			6-69	Speed, slow to fast
			70-129	Speed, slow to fast
			130-255	Speed, slow to fast

## **MULTI UNIT POWER LINKING**

This feature allows multiple units to be linked together via their power in/out ports. The maximum number of units that can be linked in this manner is as follows:

- **8 units maximum at 120V.**

**DO NOT EXCEED THIS MAXIMUM NUMBER WHEN LINKING UNITS!**

**DO NOT MIS MAKE AND MODEL TYPES WHEN LINKING UNITS!** All units that are connected in this manner must be of the same make and model type!

## **TROUBLE SHOOTING TIPS**

*The light does not turn ON.*

- 1. Confirm the AC power cord from the light is not damaged or cut.*
- 2. Check if circuit breaker that controls the AC outlet that the light is plugged into is not tripped.*
- 3. Confirm the power connection is not loose.*
- 4. If none of these solutions work, please contact Eliminator Lighting Customer Service.*

*The unit is not responding to DMX.*

- 1. Check that the DMX cables are connected properly and are wired correctly.*
- 2. Check that all cables are connected to the right connectors.*

## FREQUENTLY ASKED QUESTIONS

Listed below are a few answers to common questions users may have.

### 1. Is there a fuse? Can it be replaced?

The T2A 250V fuse can be replaced. For replacements, please visit [parts.adj.com](http://parts.adj.com)

### 2. Is there a LED par with without UV?

Yes, the LP 42 RGBW is available and can be purchased from [www.eliminatorlighting.com](http://www.eliminatorlighting.com)

## OPTIONAL ACCESSORIES

Order Code	Description
PWR793	ADJ Power Bar with six 3-prong Edison sockets.
PWR571	ADJ POW-R BAR65 utility block w/ surge protected AC sockets and USB.
AC3PDMX3	ADJ 3-Foot 3-Pin male to female DMX Cable*
LTS-6	ADJ Collapsible Tripod with T-Bar for hanging lighting fixtures.

\* Accessories including additional cable lengths available from ADJ PRODUCTS. [www.adj.com](http://www.adj.com)



# TECHNICAL SPECIFICATIONS

- LEDs: 12 x 5-Watt Hex LEDs (RGBWA+UV: Red, Green, Blue, White, Amber + UV)
- Beam Angle: 25 degrees
- Ultra Violet Wavelength: 395-400nm
- DMX Channels: 4 or 8 selectable
- Auto, sound active, and primary/secondary modes
- 0-100% dimming and variable strobe
- 4 push button menu with LED display
- Scissor yoke included
- 3-pin DMX In/Out
- IEC In/Out connections to daisy chain power up to 8 units @ 120V
- Power Consumption: 54W maximum
- Multi-voltage power: 100-240V, 50/60 Hz
- Fuse: F2A 250V
- Dimensions (LxWxH): 10.47" x 10.51" x 2.87" (266mm x 267mm x 73mm)
- Weight: 3 lbs. / 1.2 kgs

Specifications subject to change without any prior written notice.

# DIMENSIONS

