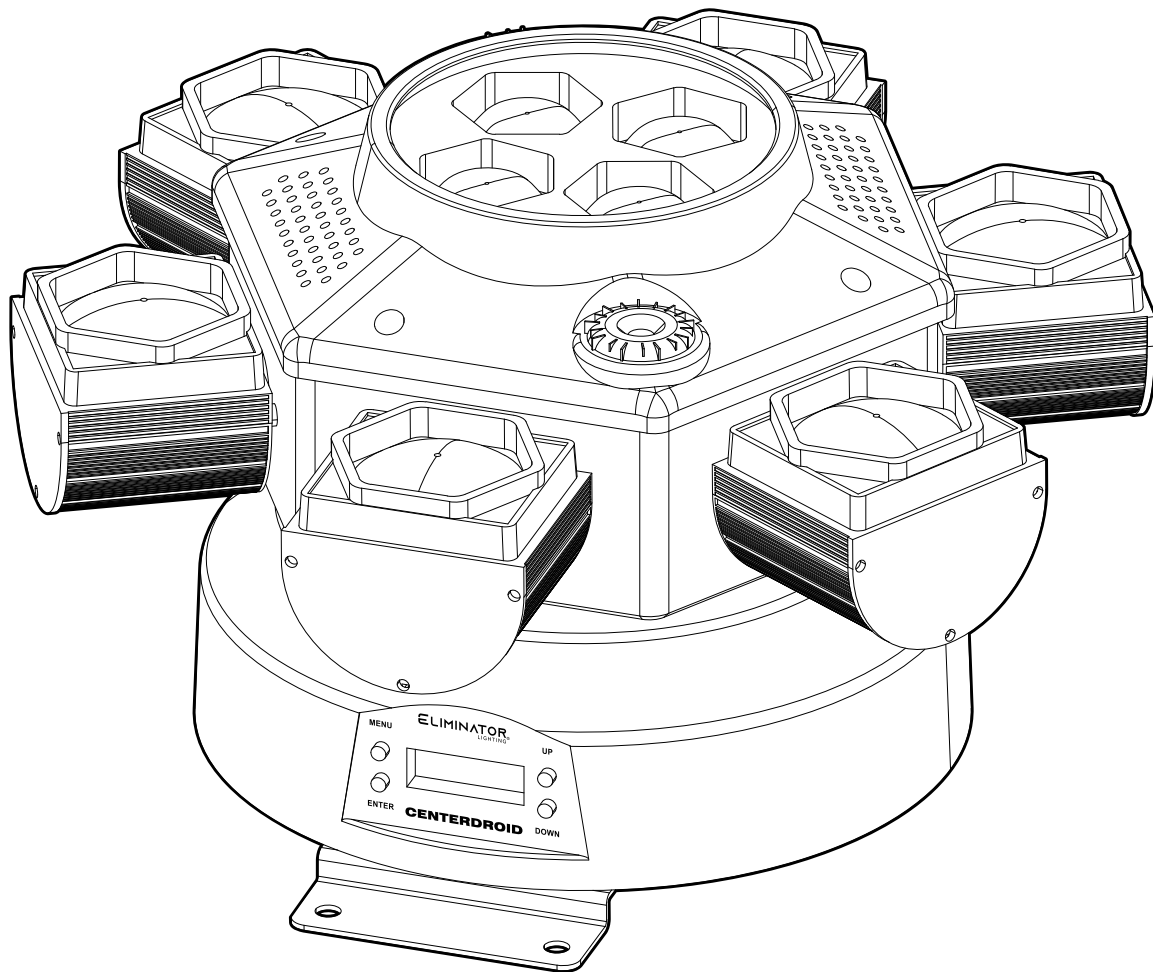


ELIMINATOR[®]

LIGHTING



CENTERDROID

User Manual

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Eliminator Lighting

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DOCUMENT VERSION



Due to additional product features and/or enhancements, and updated version of this document may be available online.

Please check www.adj.com for the latest revision/update of this manual before beginning installation and/or programming.

Date	Document Version	Software Version >	DMX Channel Mode	Notes
04/28/26	1.0	1.0.0	3Ch/6Ch/13/Ch/38Ch	Initial release

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GENERAL INFORMATION

INTRODUCTION

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

This product is intended for use by professionally trained personnel only, and is not suitable for private use.

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 is damaged, carefully inspect the device for damage, and be sure all accessories necessary to install and 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. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

Parts: To purchase parts online visit:

<http://parts.adj.com> (US)

<http://www.adjparts.eu> (EU)

ADJ SERVICE USA - Monday - Friday 8:00am to 4:30pm PST

Voice: 800-322-6337 | support@adj.com

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LIMITED WARRANTY

For up-to-date warranty information regarding your device, please visit ADJ's warranty information page online or scan the QR codes below.



USA: <https://www.adj.com/pages/warranty-information>



EU: https://www.adj.eu/terms_and_conditions

It is strongly recommended to power the fixture down completely when not in use. Doing so will reduce wear on the fixture due to sustained or extended operational periods, thereby maximizing its operational lifespan.

FEATURES

- Powerful LED and laser centerpiece fixture engineered to deliver dynamic motion, saturated color, and high-energy visual effects throughout the venue.
- Combines ten 15 W CREE RGBW LEDs with integrated precision red and green laser modules to produce layered aerial beams and floor-coverage projections.
- Ten high-output 15 W CREE RGBW LEDs provide full-color mixing, smooth fades, and intense beam effects.
- Precision red and green lasers generate sharp aerial patterns and dynamic projections that add depth and atmosphere.
- Dual tilting arms and rotating center-lens assembly continuously reshape RGBW beams, color patterns, and laser output for constantly evolving mid-air and floor effects.
- Ideal for nightclubs, bars, and DJ performances requiring engaging, audience-focused visuals.
- Control protocols include DMX512 (22 channels), built-in auto programs, manual mode, and master/slave synchronization for multi-fixture setups.
- Linear 0–100 % dimming ensures seamless intensity control.
- Compact, lightweight construction supports rapid rigging and transport.
- Universal AC 100–240 V, 50/60 Hz power supply.
- IP20-rated enclosure for indoor entertainment environments.

SAFETY GUIDELINES

To ensure smooth operation, it is important to follow all instructions and guidelines in this manual. **Eliminator Lighting, LLC** 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.



CLASS 3R LASER PRODUCT per IEC 60825-1:2014 - Complies with FDA performance standards except for deviations pursuant to Laser Notice No. 56, dated May 8, 2019.

Class 3R fixtures, classified by the FDA, present a moderate risk due to their light intensity and spectral properties, but natural aversion responses, such as the blink reflex, generally provide protection against momentary exposure. Although within Class 3R safety limits, direct or prolonged exposure to these beams should be avoided to reduce the potential for eye discomfort. Static, unmodified high-intensity beams directed into the audience are not recommended.



PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED



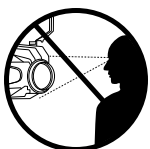
THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT. DO NOT ATTEMPT ANY REPAIRS YOURSELF; DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND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



DO NOT PLUG FIXTURE INTO A DIMMER PACK! NEVER OPEN THIS FIXTURE WHILE IN USE! UNPLUG POWER BEFORE SERVICING FIXTURE! NEVER TOUCH FIXTURE DURING OPERATION, AS IT MAY BE HOT! KEEP FLAMMABLE MATERIALS AWAY FROM FIXTURE!



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



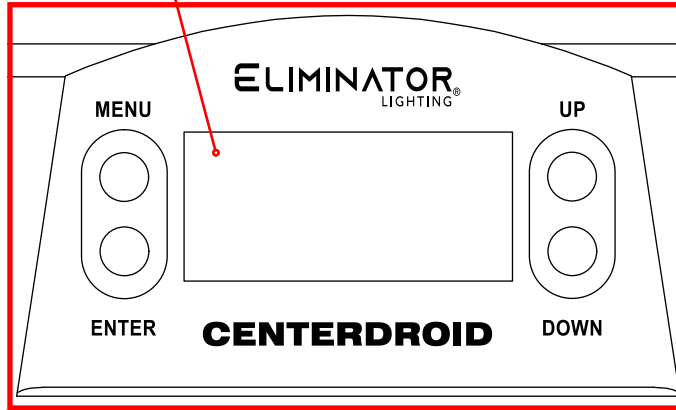
NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE OR LASER BEAMS! RETINA INJURY RISK — MAY INDUCE BLINDNESS! SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!

SAFETY GUIDELINES

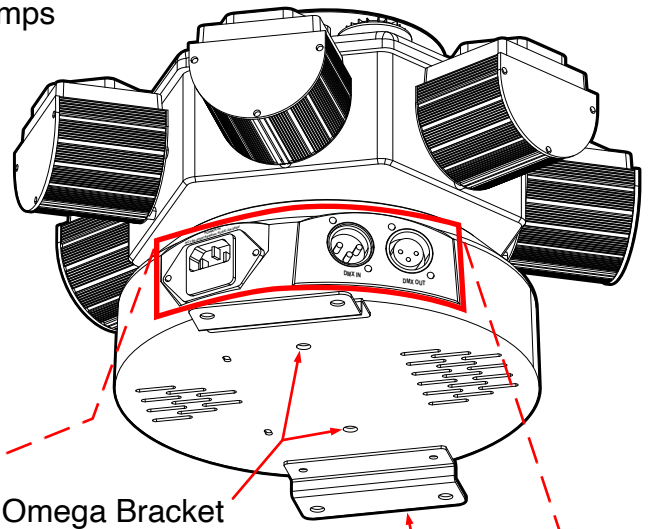
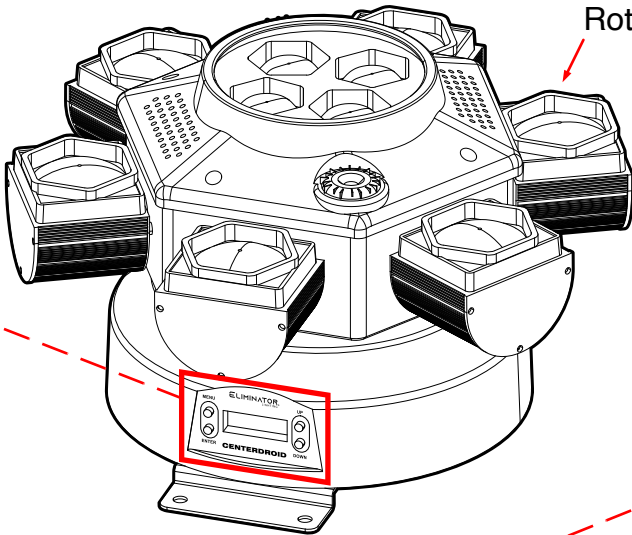
- **DO NOT** shake fixture or use brute force during installation or operation.
- **DO NOT** operate the fixture if the power cord is frayed, crimped, or damaged. Replace damaged cords with ones of identical power rating.
- **DO NOT** remove or break off the ground prong from the power cord.
- **ALWAYS** disconnect the fixture from main power before cleaning or performing any maintenance.
- Power cords should be routed and secured so they are not likely to be walked on or pinched.
- Use the original packaging and materials when transporting the fixture for service.
- This fixture should be serviced by qualified personnel when the power cord or plug is damaged, liquid has been spilled into the unit, the unit has been exposed to rain or moisture, or the unit does not operate normally or exhibits a marked change in performance.

OVERVIEW

LED Screen



Rotating Lamps

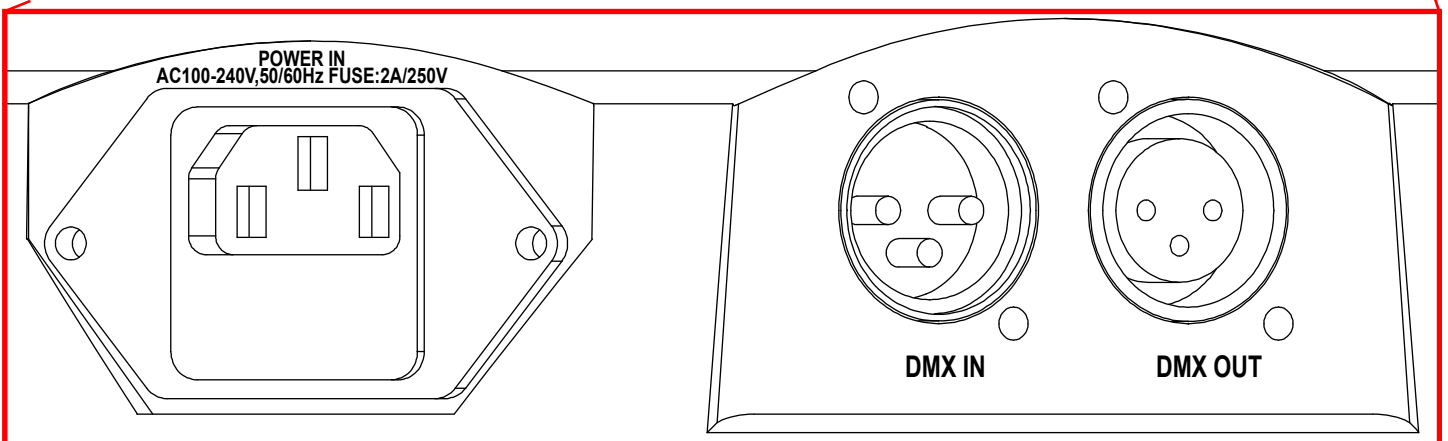


Omega Bracket
Mounting Holes

Mounting
Bracket

Power In

DMIX In/Out



INSTALLATION GUIDELINES



FLAMMABLE MATERIAL WARNING

Keep fixture at least 3.3ft (1m) away from any flammable materials, decorations, or pyrotechnics.



ELECTRICAL CONNECTIONS

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



MINIMUM DISTANCES

- Safety distance between objects: **1ft (0.3m)**
- Minimum distance of flammable materials: **3.3ft (1m)**
- Minimal distances to lighting objects / walls: **1.6ft (0.5m)**



DEVICE IS INTENDED FOR INDOOR USE ONLY! Outdoor installation or exposure to rain or moisture can damage the device and void the manufacturer's warranty.

DO NOT INSTALL THE FIXTURE IF YOU ARE NOT QUALIFIED TO DO SO!

- Fixture **MUST** be installed following all local, national, and country commercial electrical and construction codes and regulations.
- Before rigging/mounting a single fixture or multiple fixtures to any metal truss/structure or placing the fixture(s) on any surface, a professional equipment installer **MUST** be consulted to determine if the metal truss/structure or surface is properly certified to safely hold the combined weight of the fixture(s), clamps, cables, and accessories.
- Minimum/Maximum ambient operating temperature is **-4°F to 113°F (-20°C to 45°C)**. Do not use operate the fixture when ambient temperature exceeds this value!
- Fixture(s) should be installed outside walking paths, seating areas, or areas were unauthorized personnel might reach the fixture by hand.
- **NEVER** stand directly below the fixture(s) when rigging, removing, or servicing.
- Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable.
- Allow approximately 15 minutes for the fixture to cool down before servicing.

RIGGING

Overhead rigging requires extensive experience, including calculating working load limits, knowledge about installation materials being used, and periodic safety inspection of all installation material and the fixture, among other skills. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

OPERATIONAL BREAKS

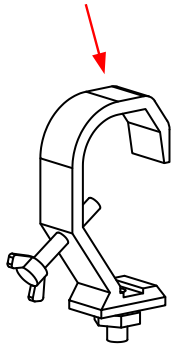
Duty Cycle - It is strongly recommended to power the fixture down completely when not in use. Doing so will reduce wear on the fixture due to sustained or extended operational periods, thereby maximizing the fixture's operational lifespan.

INSTALLATION GUIDELINES

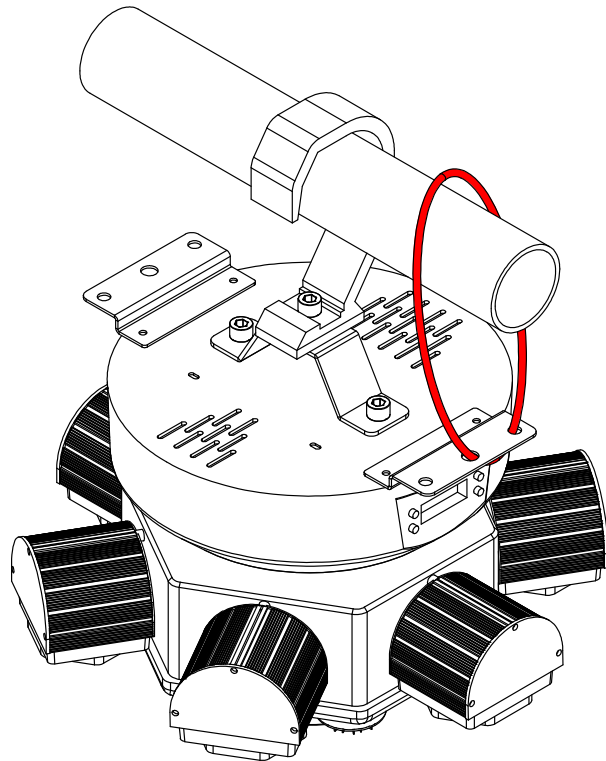
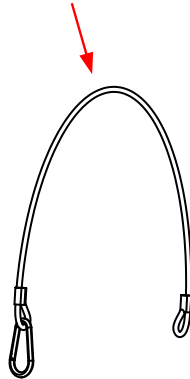
CLAMP INSTALLATION

This fixture features mounting clamp attachment point. Attach safety cable loop as shown in the illustration below. When mounting the fixture to a truss or any other suspended or overhead installation, be sure to secure an appropriately rated clamp (**not included**) to the clamp attachment point and attach a separate **SAFETY CABLE** of the appropriate safety rating to the safety cable rigging point.

Truss Clamp



Safety Cable

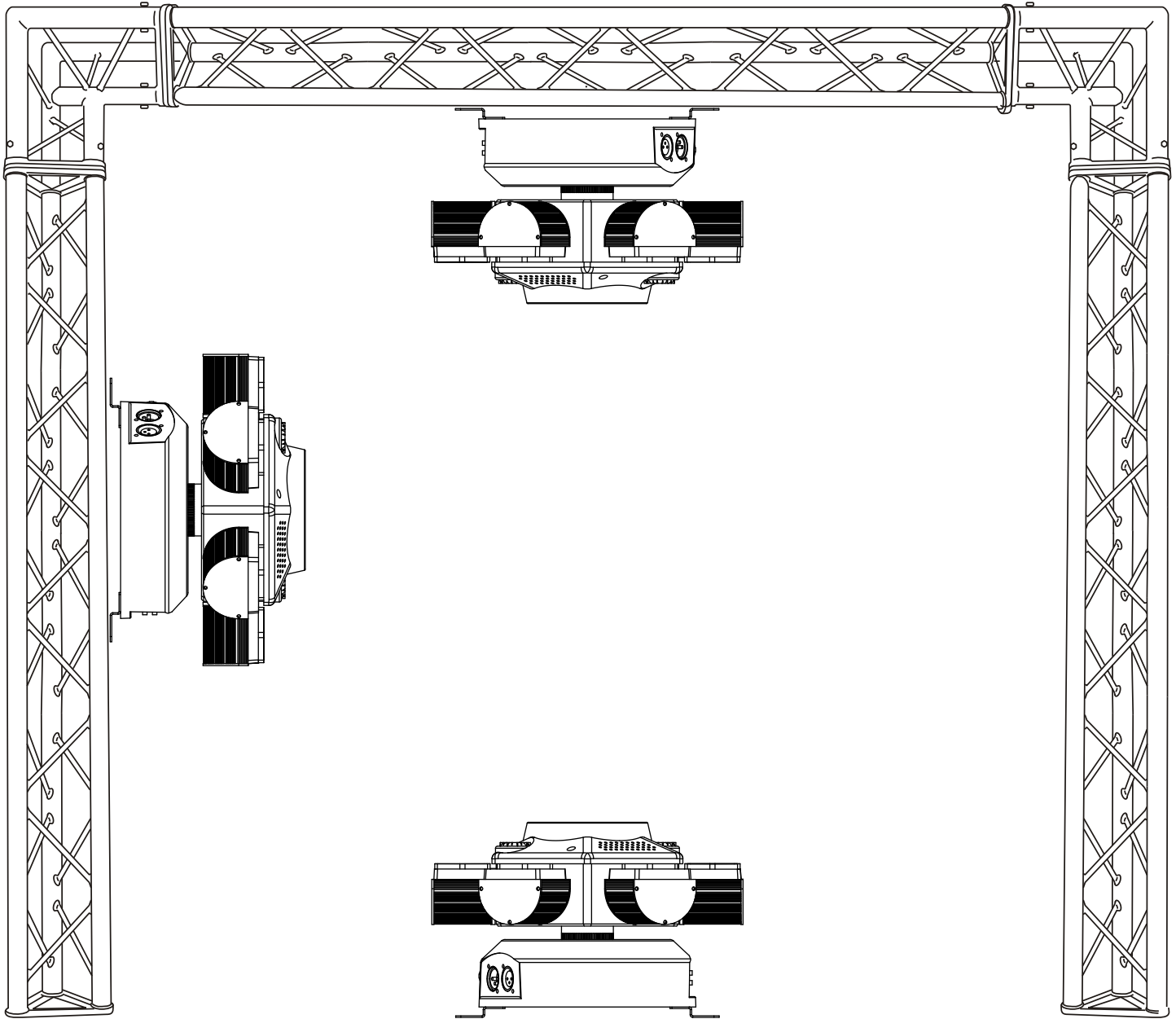


SAFETY CABLE
ALWAYS ATTACH AN APPROPRIATELY
RATED SAFETY CABLE WHENEVER
INSTALLING THIS FIXTURE IN A
SUSPENDED ENVIRONMENT TO
ENSURE THE FIXTURE WILL NOT FALL
IF THE CLAMP FAILS.

INSTALLATION GUIDELINES

FIXTURE INSTALLATION

The **ELIMINATOR LP 8R** is fully operational in three different mounting positions, hanging upside-down, mounted sideways on trussing, or set on a flat level surface. Be sure this fixture is kept at least 0.2m (7.9in.) away from any flammable materials (decoration etc.). Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.



FALLING FIXTURES CAN CAUSE SEVERE INJURY OR SERIOUS EQUIPMENT DAMAGE! FOR THIS REASON, FIXTURES SHOULD BE INSTALLED AND INSPECTED ONLY BY QUALIFIED PERSONNEL. DO NOT INSTALL THE UNIT IF YOU LACK THE QUALIFICATIONS TO DO SO, OR IF YOU HAVE DOUBTS ABOUT THE SAFETY AND SECURITY OF THE INSTALLATION SETUP OR LOCATION!



ALWAYS ATTACH A SAFETY CABLE WHENEVER INSTALLING THIS FIXTURE IN A SUSPENDED ENVIRONMENT TO ENSURE THE FIXTURE WILL NOT FALL IF THE CLAMP FAILS.

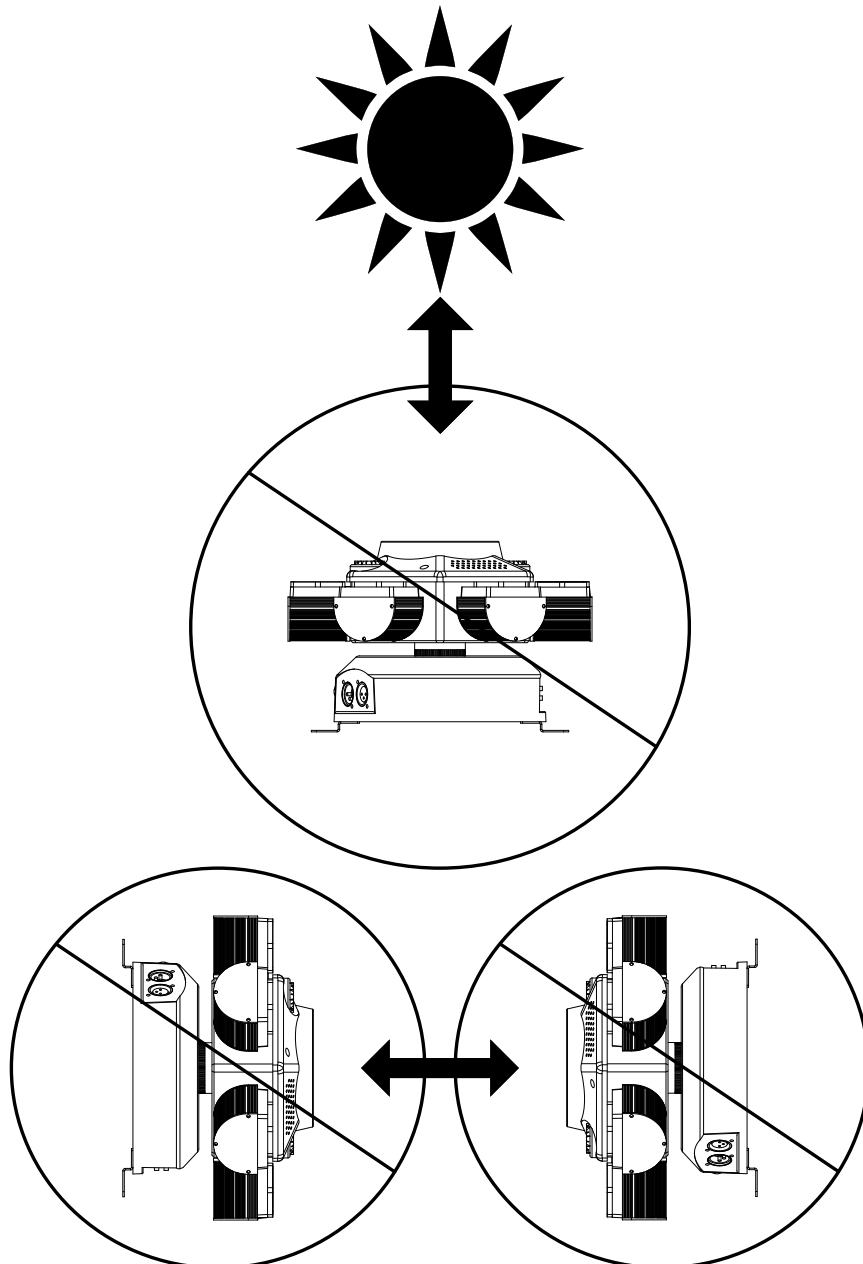
INSTALLATION GUIDELINES

POTENTIAL INTERNAL FIXTURE DAMAGE FROM EXTERNAL SOURCES OF LIGHT BEAMS

External sources of light beams from direct sunlight, lighting and moving head fixtures, and lasers, which are focused directly towards the exterior housing and/or penetrate the front lens opening of Eliminator lighting fixtures, can cause severe internal damage including burning of optics, dichroic color filters, glass and metal gobos, prisms, animation wheels, frost filters, iris, shutters, motors, belts, wiring, discharge lamps, and LEDs.

This issue is not specific only to Eliminator lighting fixtures, but rather it is a common issue with lighting fixtures from all manufacturers. Although there is no true way to fully prevent this issue from happening, the guidelines below can reduce the risk of potential damage. Contact Eliminator Service for more details.

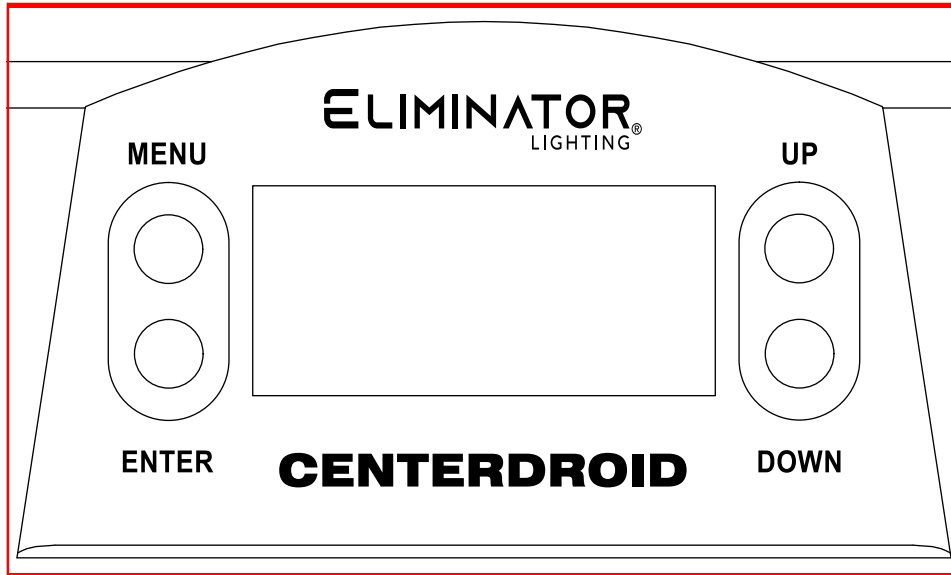
DO NOT EXPOSE THE FIXTURE AND/OR FRONT LENS OPENING TO LIGHT BEAMS FROM DIRECT SUNLIGHT, OTHER LIGHTING OR MOVING HEAD FIXTURES, AND LASERS DURING UNPACKING, INSTALLATION, USE, AND EXTENDED IDLE TIMES OUTDOORS. DO NOT FOCUS A LIGHT BEAM FROM ONE LIGHTING FIXTURE DIRECTLY TOWARDS ANOTHER.



SYSTEM MENU

The fixture includes an easy to navigate system menu control panel display where all necessary settings and adjustments are made.

- **MENU:** Cycles through the main menu options and/or return to previous menu without making changes.
- **DOWN/UP:** Scroll through options in the selected menu.
- **ENTER:** Select highlighted option and/or confirm selection.



SOFTWARE UPDATES:

Software updates should be performed by trained personnel only! Contact Customer Service at the number or email listed below for assistance with performing software updates.

Tel: (323) 582-2650

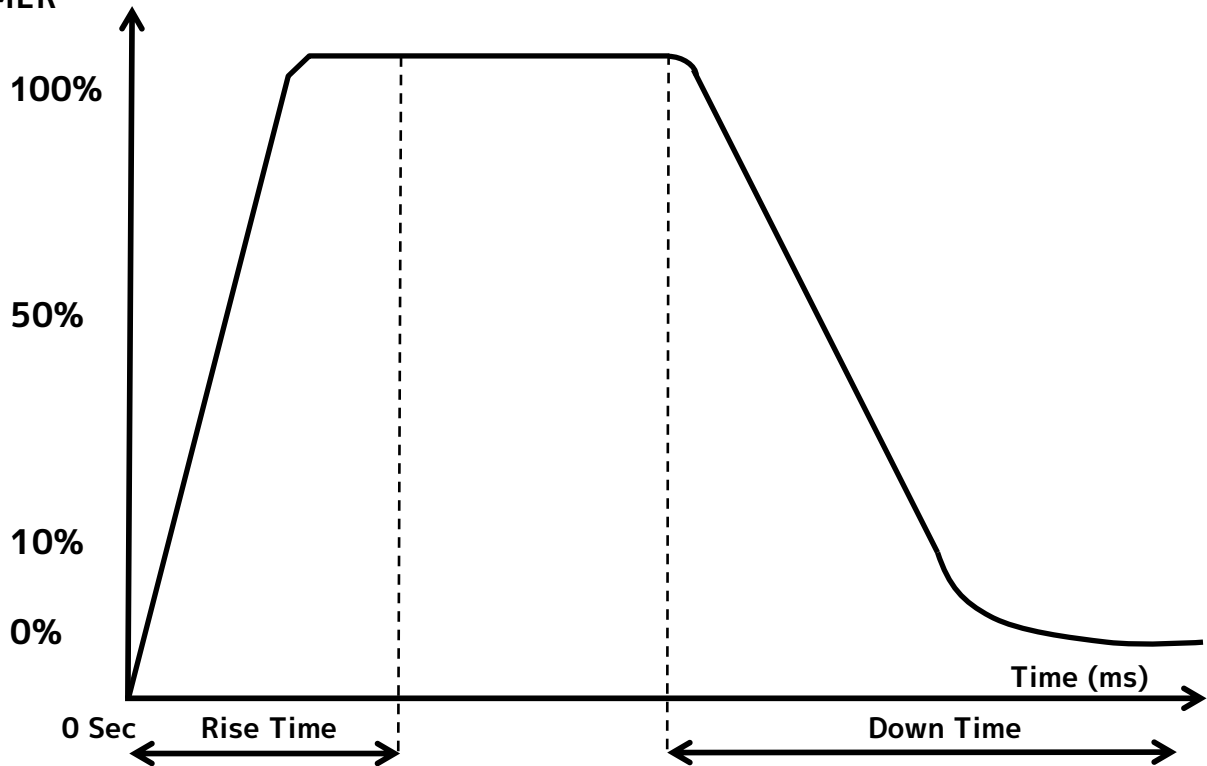
support@eliminatorlighting.com

SYSTEM MENU

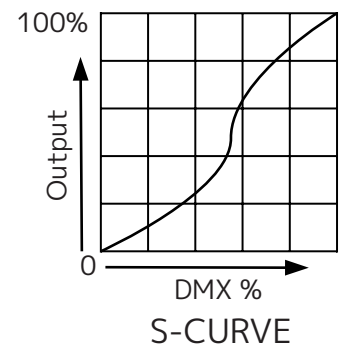
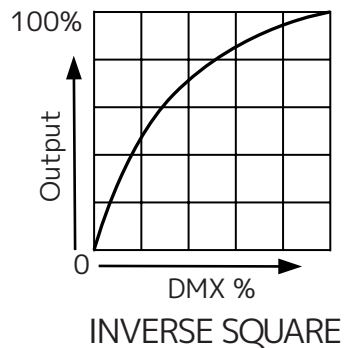
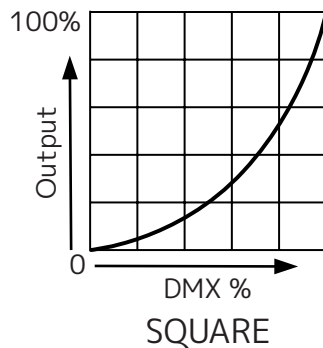
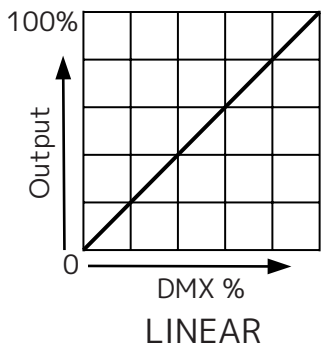
NO	MENU	DESCRIPTION
1	ADDR	001-512
2	SECD	Prim, Secd, Primary and Secondary machine selection
3	Shnd	sound control sensitivity, auto (SP0—SP9) voice control, self-propelled (speed)
4	Sens	voice control sensitivity (0 off, 100 most sensitive)
5	Disp	yes, no reverse display
6	Pan	yes, no motor x reverse
7	Tilt	yes, no motor Y reverse
8	Test	automatic test
9	RELD	yes, no restore factory settings

DIMMER MODES AND CURVES

DIMMER



Dimming Curve Ramp Effect	0 sec Fade Time		1 sec Fade Time	
	Rise Time (ms)	Down Time (ms)	Rise Time (ms)	Down Time (ms)
Standard (default)	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280
Stage 2	0	1100	0	1660



DMX SETUP

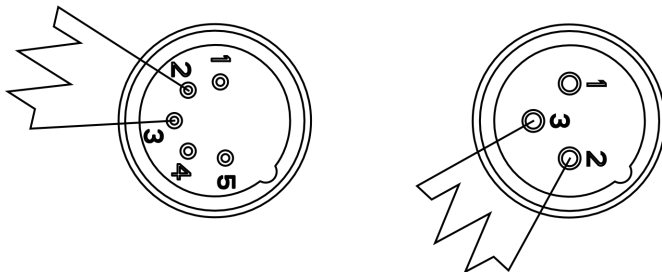
DMX-512: DMX is short for Digital Multiplex. This is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a DATA “OUT” terminal).

DMX Linking: DMX is a language allowing all makes and models of different manufacturers to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, try to use the shortest cable path possible when linking several DMX fixtures. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example, a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line: at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

Data Cable (DMX Cable) Requirements (For DMX Operation): This unit can be controlled via DMX-512 protocol and features 2 selectable DMX modes. Please refer to the **DMX Traits** section of this manual for detailed information. The DMX address can be set using the controls on the rear panel of the unit. Your unit and your DMX controller require a 3-pin XLR connector for data input/output. We recommend Accu-Cable DMX cables. If you are making your own cables, be sure to use standard 110-120 Ohm shielded cable (This cable may be purchased at almost all pro lighting stores). Your cables should be made with a male XLR connector on one end and a female XLR connector on the other. Also remember that DMX cable must be daisy chained and cannot be split.



Special Note: Line Termination. When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line. Using a cable terminator (ADJ part number Z-DMX/T) will decrease the possibilities of erratic behavior.



A DMX512 terminator reduces signal errors, avoiding most signal reflection interference. Connect PIN 2 (DMX-) and PIN 3 (DMX+) of the last fixture in series with a 120 Ohm, 1/4 W Resistor to terminate the DMX512.

5-Pin XLR DMX Connectors: Some manufacturers use 5-pin DMX-512 data cables for DATA transmission in place of 3-pin. 5-pin DMX fixtures may be integrated into a 3-pin DMX line with a 5-pin to 3-pin adapter cable. These adapters are readily available at most electronics stores. Follow the chart below for a proper conversion.

3-Pin XLR to 5-Pin XLR Conversion		
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

DMX SETUP

DMX Addressing:

All fixtures should be given a DMX starting address when using a DMX controller, in order to ensure that the correct fixture responds to the correct control signal. This digital starting address is the channel number from which the fixture starts to “listen” to the digital control signal sent out from the DMX controller. The assignment of this starting DMX address is achieved by setting the correct DMX address on the digital control display on the fixture.

You can set the same starting address for all fixtures or a group of fixtures, or set different addresses for each individual fixture. Setting all fixtures to the same DMX address will cause all fixtures to react in the same way; in other words, changing the settings of one channel will affect all the fixtures simultaneously.

If you set each fixture to a different DMX address, each unit will start to “listen” to the channel number you have set, based on the quantity of DMX channels of each fixture. That means changing the settings of one channel will only affect the selected fixture. For instance, when this unit is set to 10 Channel mode, you should set the starting DMX address of the first unit to 1, the second unit to 23 (1 + 22), the third unit to 45 (1 + 22 + 22), the fourth unit to 67 (1 + 22 + 22 + 22), etc...

Channel Mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
22Ch	1	23	45	67

DMX TRAITS

CHANNEL	DMX VALUES	FUNCTION
22Ch		
1	000-255	X-axis motor travel , 0°-540° travel positioning
2	000-255	X-axis motor speed , speed from fast to slow
3		Bee eye motor
	000-127	0°-360°stroke positioning
	128-191	Rotate clockwise from fast to slow
	192-255	Rotate counterclockwise from slow to
4	000-255	Travel of y-axis motor 1 , 0°-303°
5	000-255	Travel of y-axis motor 2 , 0°-303°
6	000-255	Travel of y-axis motor 3 , 0°-303°
7	000-255	Travel of y-axis motor 4 , 0°-303°
8	000-255	Travel of y-axis motor 5 , 0°-303°
9	000-255	Travel of y-axis motor 6 , 0°-303°
10	000-255	Total dimming , 0 -100%
11		Strobe / Shutter
	000-031	Shutter Closed (LEDs OFF)
	032-063	Shutter OPEN (LEDS ON)
	064-095	Strobe effect slow to fast
	096-127	Shutter OPEN(LEDS ON)
	128-159	Pulse effect in sequences
	160-191	Shutter OPEN(LEDS ON)
	192-223	Random strobe effect slow to fast
224-255	Shutter OPEN(LEDS ON)	
12	000-255	Bee eye red dimming , 0 -100%
13	000-255	Bee eye green dimming , 0 -100%
14	000-255	Bee eye blue dimming , 0 -100%
15	000-255	Bee eye white dimming , 0 -100%
16	000-255	Beam red dimming , 0 -100%
17	000-255	Beam green dimming , 0 -100%
18	000-255	Beam blue dimming , 0 -100%
19	000-255	Beam white dimming , 0 -100%
20		Red laser
	000-015	no stroboscopic
	016-249	speed from slow to fast
	250-255	all bright
21		Green laser
	000-015	no stroboscopic
	016-249	speed from slow to fast
	250-255	all bright
22		Macro Function
	000-050	no function
	051-150	random voice control
	151-250	self-propelled (from slow to fast)
251-255	whole machine reset (the value stays for 3 seconds and takes effect)	

MAINTENANCE



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.

TROUBLESHOOTING

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

SPECIFICATIONS

LEDs: 10 × 15W CREE (RGBW, 4-in-1)

Laser: 1 × 100mW Red Laser + 1 × 50mW Green Laser

Control Mode: DMX512, Manual, Primary-Secondary, Auto Run Sound Active

DMX Channel: 22

Dimmer: 0–100% linear dimmer

Voltage: AC100–240V, 50/60Hz

Power: 100W

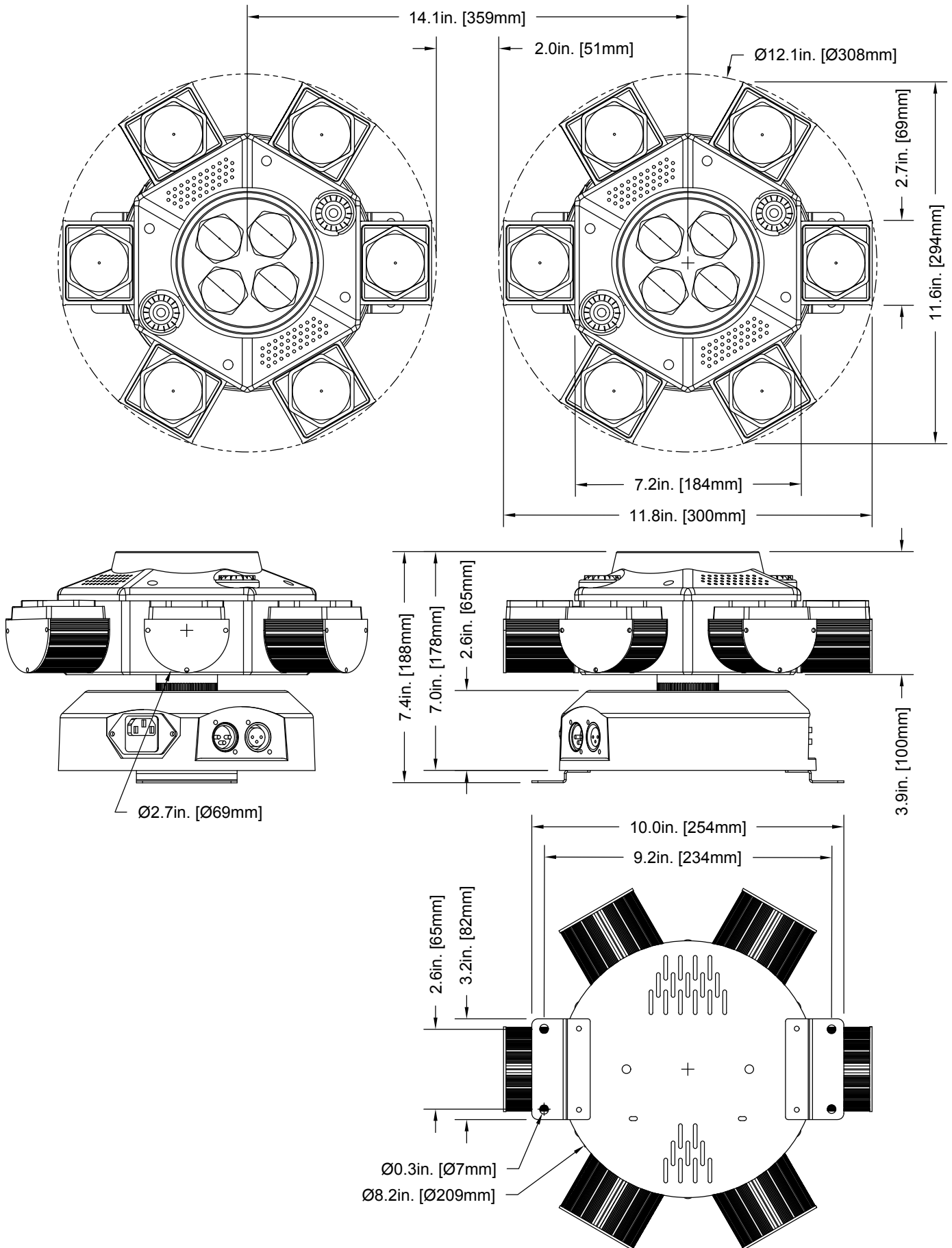
Product Size: 12.2" × 12.2" × 7.48" (310 × 310 × 190 mm)

N.W.: 8.16 lb (3.7 kg)

IP Rating: IP20



DIMENSIONAL DRAWINGS



OPTIONAL ACCESSORIES

ORDER CODE		ITEM
US	EU	
CEN100	1900000056	CenterDroid
TRIGGER CLAMP	N/A	Heavy Duty Wrap Around Hook Style Clamp
TOU027	N/A	5 ft. (1.5m) 5pin PRO DMX Cable
		Additional Cable Lengths Available



FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Please note that changes or modifications of this product is not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Europe Energy Saving Notice

Energy Saving Matters (EuP 2009/125/EC)

Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you

