

ELIMINATOR[®]

LIGHTING



EM20

User Guide

US#: EM20
UPC#: 817175010457

©2020 Eliminator Lighting all rights reserved. Information, specifications, diagrams, images, and instructions herein are subject to change without notice. Eliminator logo and identifying product names and numbers herein are trademarks of Eliminator Lighting. 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-Eliminator brands and product names are trademarks or registered trademarks of their respective companies.

Eliminator Lighting 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.

Eliminator Lighting USA

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

Tel: (323) 948-0480 | Fax: 888-287-5224 | www.eliminatorlighting.com | info@eliminatorlighting.com

DOCUMENT VERSION

An updated version of this document may be available online.

Please check www.eliminatorlighting.com for the latest revision/update of this document before beginning installation and use.

Date	Document Version	Notes
02/11/20	1.0	Initial release.

CONTENTS

General Information	4
Limited Warranty (USA Only)	5
Safety Guidelines	6
Maintenance Guidelines	8
Overview	9
Installation Guidelines	10
Frequently Asked Questions	14
Technical Specifications Dimensional Drawings	15

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: 800-322-6337 | Fax: 323-582-2941 | www.eliminatorlighting.com | support@eliminatorlighting.com

WARRANTY RETURNS

All returned service items, whether under warranty or not, must be freight pre-paid and accompanied by 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, a copy of the proof of purchase invoice must be provided. Items returned without an 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)

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 visit the Eliminator Lighting Warranty Registration Page: www.eliminatorlighting.com/warranty-registration

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.



DAMAGES RESULTING FROM MODIFICATIONS TO THIS DEVICE AND/OR THE DISREGARD OF SAFETY GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.



KEEP FLAMMABLE MATERIALS AWAY FROM THESE DEVICES!



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



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

SAFETY GUIDELINES

DO NOT position device 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, and avoid brute force when installing and/or operating.

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

ALWAYS disconnect devices from main power source (not included) before performing any cleaning.

ALWAYS wear gloves when handling the mirror ball.

ALWAYS be careful when handling the mirror ball, as damaged mirror panels can cause cuts and other injuries.

Only use recommended rigging hardware as described in this guide.

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

MAINTENANCE GUIDELINES

CLEANING

Frequent cleaning is recommended to ensure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment that the device operates in: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the mirrored surface. Clean the external surface at least every 20 days with a soft, dry 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.

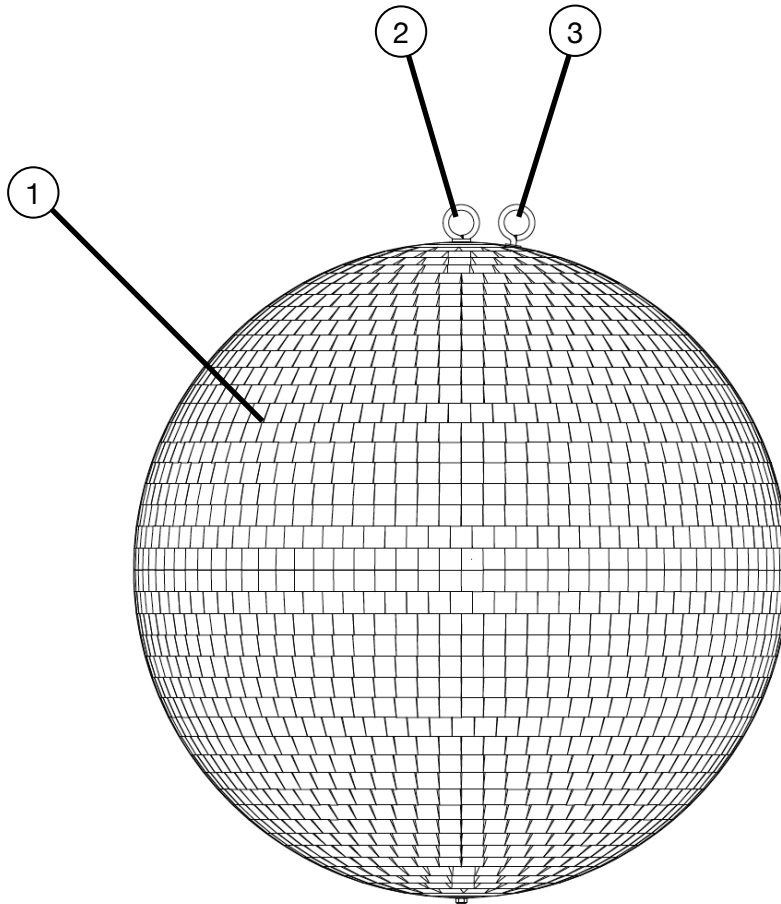
Please refer to the following points during routine inspections:

- 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 mirrored ball, rigging hardware, and rigging points (ceiling, suspension, trussing. etc.) Damaged rigging points or unsecured rigging could cause the devices to fall and seriously injure a person(s).

OVERVIEW

INCLUDED ITEMS:

20" Mirror Ball (x1)



- 1. Mirror Ball**
- 2. Primary Mounting Eyelet**
- 3. Secondary Mounting Eyelet**

INSTALLATION GUIDELINES



FLAMMABLE MATERIAL WARNING

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



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

OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE, INCLUDING BUT NOT LIMITED TO CALCULATING WORKING LOAD LIMITS, KNOWLEDGE OF INSTALLATION MATERIAL BEING USED, AND PERIODIC SAFETY INSPECTION OF ALL INSTALLATION MATERIAL. 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 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.

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.

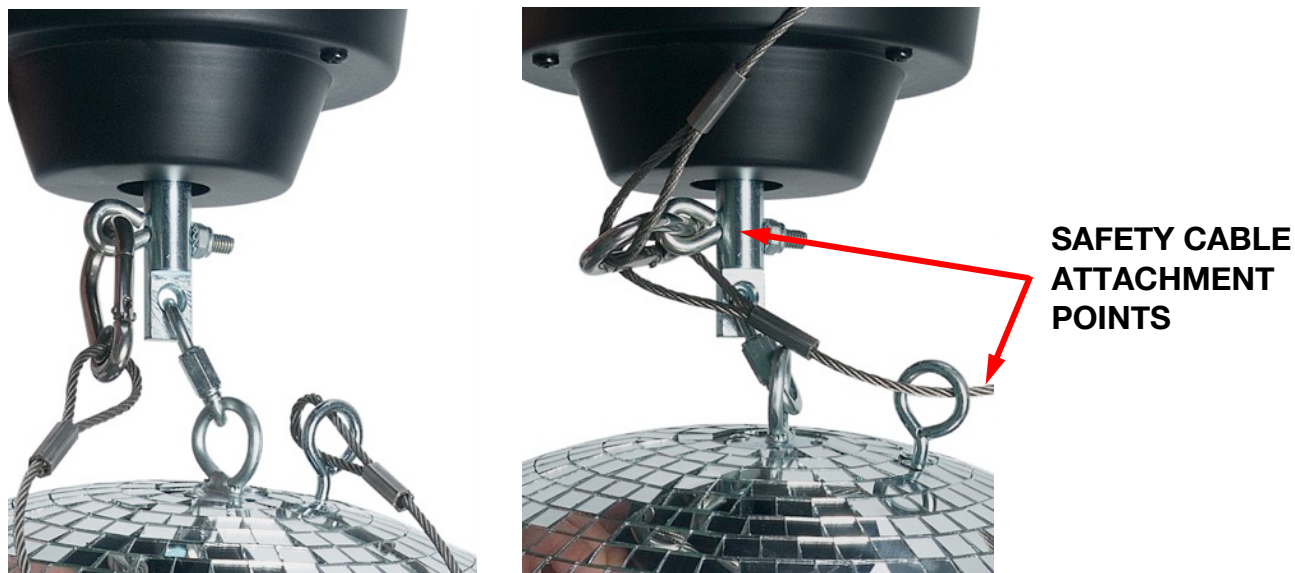
INSTALLATION GUIDELINES

- The mirror ball unit includes two separate mounting eyelets. The eyelet located at the center of the top of the mirror ball should be used as the primary mounting point, while the eyelet located slightly off-center should be used as the secondary mounting point. See the Overview section on page 9.
- In order to safeguard against personal injury and material damage, both the primary mounting eyelet and the secondary mounting eyelet should be utilized.
- Mounting hardware (such as chains, safety cables, or carabiners) should be rated to support 12 times the weight of the unit. This applies to hardware attached to both the primary and secondary mounting eyelets.
- When installing the mirror ball in a rotating display, make sure to mount the mirror ball in such a way that the mounting cables or chains do not become tangled as the mirror ball rotates.
- Installation should **NEVER** be done using hardware constructed of an abrasive material, as this could lead to excessive wear on the mounting eyelets.
- 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. Additionally, 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.
- It is strongly advised that installation should be performed by multiple individuals, as the bulky nature of the unit may require two hands for support during installation.
- Always wear gloves when handling the mirror ball to avoid leaving fingerprints on the mirrors, and to protect yourself against broken mirror pieces.
- **NEVER install a mirror ball with damaged mirror pieces, as these could come loose and fall during operation and cause serious injury!** If damage is found on a mirror ball, contact Eliminator service to perform repairs.

INSTALLATION GUIDELINES

SAFETY CABLE ATTACHMENT

Use of an optional safety cable is recommended. To install, attach a safety cable to the mirror ball eyelet and the motor safety eyelet or mounting fixture.



If installing to a mirror ball motor, power ON motor and confirm mirror ball rotation functions well.

INSTALLATION GUIDELINES

LIGHTING THE MIRROR BALL

Experiment with different angles and distances to achieve desired result.



FREQUENTLY ASKED QUESTIONS

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

1. Can the EM20 be mounted onto to a ceiling?

Yes, it may be installed onto a flat ceiling surface that can support 10 times the combined total weight of the attached mirror ball, motor and any mounting accessories. Careful planning must be used when calculating the combined weight and determining if the flat ceiling surface can support the weight of the motor and mirror ball. **PLEASE CONSULT A PROFESSIONAL FOR CEILING INSTALLATION GUIDANCE!**

2. Is it necessary to use both of the mounting eyelets when installing this product?

Yes. It is crucial to install the mirror ball using both mounting eyelets in order to provide maximum protection against personal injury and material damage.

3. Is a light included with the EM20?

No. However, a variety of lighting fixtures, options, and kits are available for purchase at www.eliminatorlighting.com.

4. What method should be used to clean the mirror ball?

Clean the external of the mirror ball surface at least every 20 days with a soft cloth to avoid dirt/debris accumulation. **NEVER** use alcohol, solvents, or ammonia-based cleaners.

5. Is the mirror ball available in other sizes?

Yes, Eliminator offers mirror balls in a variety of sizes. Please visit our website for more details.

TECHNICAL SPECIFICATIONS

Model: EM-20

Dimensions:

- 19.9" (505 mm) diameter (mirror ball body)
- 21.3" (540 mm) overall height including mounting eyelets
- 1.1" (28 mm) mounting eyelet outer diameter

Weight: 15.0 lbs. / 6.8 kgs

Specifications subject to change without any prior written notice.

DIMENSIONAL DRAWINGS

