



M-1212 MIRROR BALL

user manual

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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 for the latest revision/update of this document
before beginning installation and use.**

Date	Document Version	Notes
08/20/18	1	Initial release.

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GENERAL INFORMATION

INTRODUCTION

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

UNPACKING

The product has been thoroughly inspected 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 each unit included for damage and be sure all accessories necessary to operate the units 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 kit 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.

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.

CUSTOMER SUPPORT

Contact ADJ Service for any product related service and support needs. Please visit forums.adj.com with questions, comments or suggestions.

ADJ SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
800-322-6337 | Fax 323-832-2941 | support@adj.com

ADJ SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
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REPLACEMENT PARTS please visit parts.adj.com

LIMITED WARRANTY (USA ONLY)

- A. ADJ Products, LLC 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 service by anyone other than 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 warrant 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.
- F. 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.
- G. This warranty is the only written warranty applicable to ADJ Products, LLC Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

LIMITED WARRANTY PERIODS

- **Non L.E.D. Lighting Products = 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 LED and lamps)
- **Laser Products = 1 Year (365 Days) Limited Warranty** (excludes laser diodes which have 6 month limited warranty)
- **L.E.D. Products = 2-year (730 days) Limited Warranty** (excluding batteries which have a 180 day limited warranty)
Note: 2 Year Warranty only applies to purchases within the United States.
- **StarTec Series = 1 Year Limited Warranty** (excluding batteries which have a 180 day limited warranty)
- **ADJ DMX Controllers = 2 Year (730 Days) Limited Warranty**

SAFETY INSTRUCTIONS AND GUIDELINES

To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. ADJ PRODUCTS 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 manufactures warranty and increase the risk of damage and/or personal injury.



PROTECTION CLASS 1 – DEVICES MUST BE PROPERLY GROUNDED



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 DEVICE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURES WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.



**DO NOT PLUG MIRROR BALL MOTOR INTO A DIMMER PACK!
NEVER OPEN MIRROR BALL MOTOR!
NEVER TOUCH MIRROR BALL WHILE IT IS ROTATING!
UNPLUG POWER BEFORE CLEANING MIRROR BALL!
NEVER TOUCH LIGHT DURING OPERATION, AS IT MAY BE HOT!
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 INSTRUCTIONS AND GUIDELINES

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

DO NOT attempt installation and/or operation of devices without knowledge 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 remove disassemble devices, there are NO user serviceable parts inside.

Only use recommended rigging hardware as described in this guide.

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

MAINTENANCE GUIDELINES

CLEANING

Frequent cleaning is recommended to insure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the devices operates in: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the mirror ball. Clean the external surface of the mirror 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 insure proper function and extended life.

There are no user serviceable parts inside these devices, please refer all other service issues to an authorized ADJ service technician.

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.

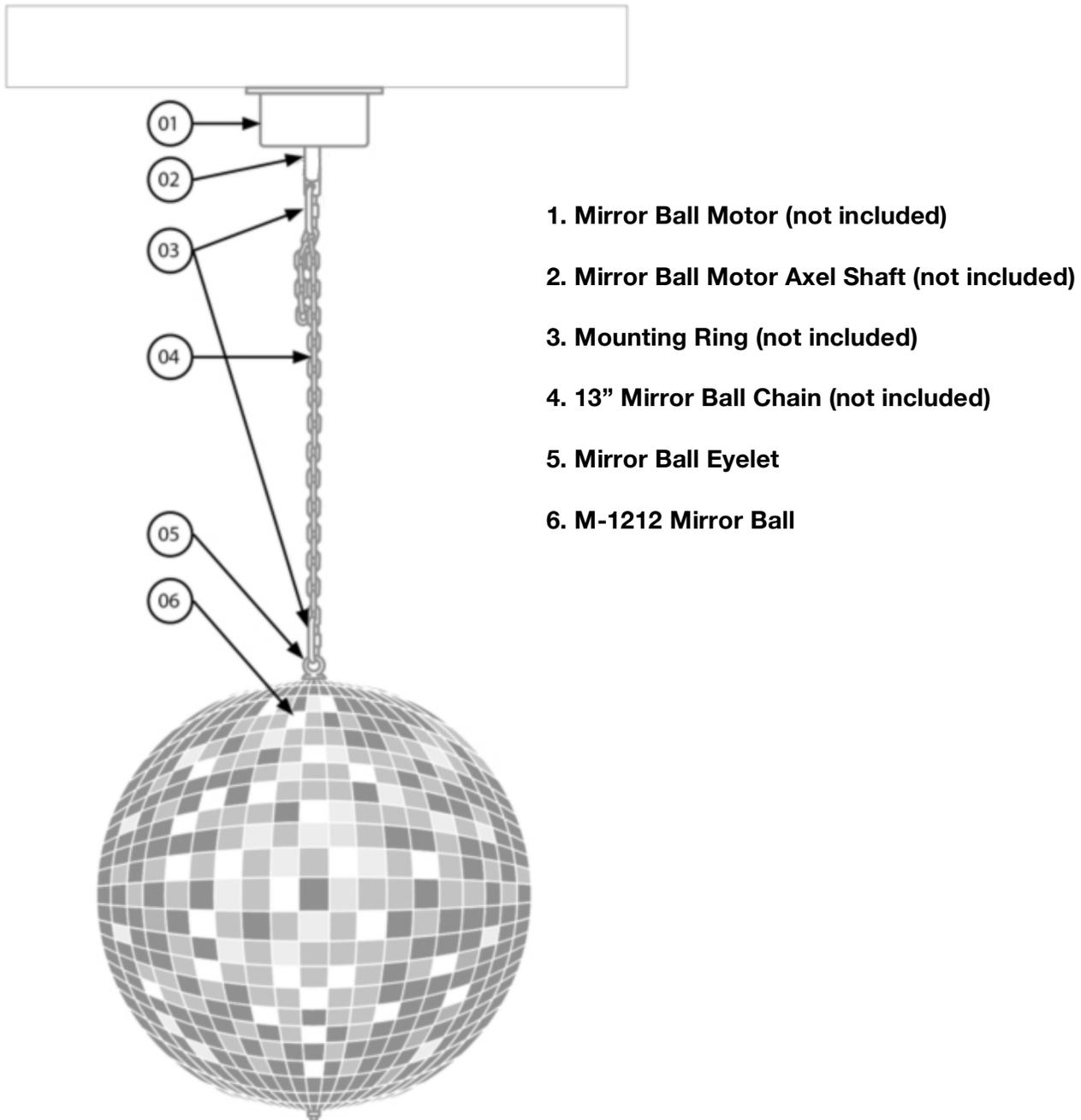
Check for any deformations on the mirror ball, mirror ball motor, and light housings, lenses, rigging hardware and rigging points (ceiling, suspension, trussing). Deformations could allow for dust to enter into the devices. Damaged rigging points or unsecured rigging could cause the devices to fall and seriously injure a person(s).

OVERVIEW

INCLUDED ITEMS

(1) 12" Mirror Ball (M-1212)

SAMPLE INSTALLATION USING A MIRROR BALL MOTOR AND CHAIN:



INSTALLATION INSTRUCTIONS



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 MOTOR, MIRROR BALL, LIGHT, 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!

MAKE SURE TO DRILL SCREWS AND/OR ANCHOR BOLTS INTO WOOD OR METAL!

DO NOT MOUNT THE MOTOR TO A CEILING SURFACE MADE OF DRY WALL!

MOTOR MUST ONLY BE INSTALLED IN A HORIZONTAL VIBRATION-FREE POSITION!

MOTOR MUST ONLY BE INSTALLED IN AN OSCILLATION-FREE LOCATION!

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

SECURE MIRROR BALL 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 COMMERICAL ELECTRICAL AND CONTRUCTION CODES AND REGULATIONS.

DO NOT EXCEED AMBIENT OPERATING TEMPERATURE RANGE OF 86°F. (30°C)

INSTALLATION [continued]

CEILING AND MIRROR BALL MOTOR MOUNTING

The M-1212 Mirror Ball can be mounted to a mirror ball motor or a variety of other mounting methods. Prior to mounting, ensure that the mounting method and/or mirror ball motor are capable of supporting the weight of the mirror ball, motor, as well as any clamps, cables or any other installation accessories. PLEASE CONSULT A PROFESSIONAL FOR CEILING INSTALLATION GUIDANCE!

ATTACHING MIRROR BALL TO MOTOR

Using an 'O' shaped ring and chain (not included):



Attach mirror ball to fixture or motor axel using included 'O' shaped ring.

Note: If suspending the mirror ball from a chain (not included), measure and trim the mirror ball chain to the desired mounting height before attaching the mirror ball to fixture or motor axel.



Using a carabineer (not included):

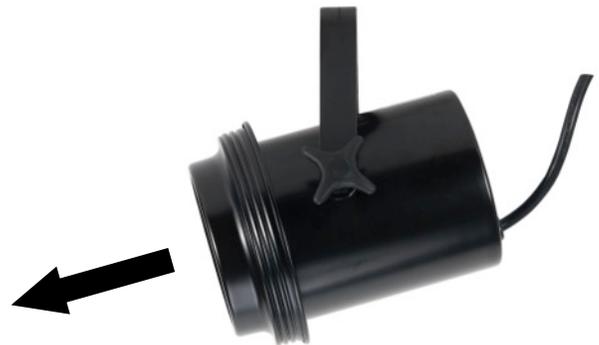


Attach mirror ball to fixture or motor axle using carabineer (not included) (make sure to close carabineer!).

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

LIGHTING THE MIRROR BALL

Experiment with different angles and distances to achieve desired result.
For lighting fixture options, please visit www.adj.com.



TROUBLE SHOOTING TIPS

Mirror Ball Attached To Motor Does Not Rotate or Rotates Inconsistently

1. Confirm the motor has AC power.
2. Check if circuit breaker that controls the AC outlet the motor is plugged into is not tripped.
3. Confirm the AC power cord from the motor is not damaged or cut.
4. Confirm the eyelet attached to the mirror ball is not damaged or loose.
5. If none of these solutions work, please contact ADJ Customer Service.

Motor Makes Noise When Rotating

1. Disconnect AC power from the motor, remove mirror ball, and uninstall the motor.
2. Inspect the motor for any signs of damage such as from water or moisture.
3. Place the motor on a flat surface and connect to an AC power source.
4. If motor makes noise while rotating, please contact ADJ Customer Service.
5. If not, carefully rotate the motor facing the axel shaft toward the ground.
6. If motor makes noise while rotating, please contact ADJ Customer Service.
7. If not, confirm the motor can support the weight of the mirror ball.
8. If none of these solutions work, please contact ADJ Customer Service.

FREQUENTLY ASKED QUESTIONS

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

1. Can the M-1212 be mounted onto to a ceiling?

Yes, it can 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. What mirror ball motor works with the M-1212?

The ADJ M-HDAC8 3 R.P.M. mirror ball motor will offer you the needed support for mirror balls up to 16 inches in size.

3. Is a light included with the M-1212?

No. However, a variety of lighting fixtures and options are available at www.adj.com.

4. How do you clean the mirror ball?

Clean the external surface of the mirror ball at least every 20 days with a soft cloth to avoid dirt/debris accumulation.

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

TECHNICAL SPECIFICATIONS

12" MIRROR BALL

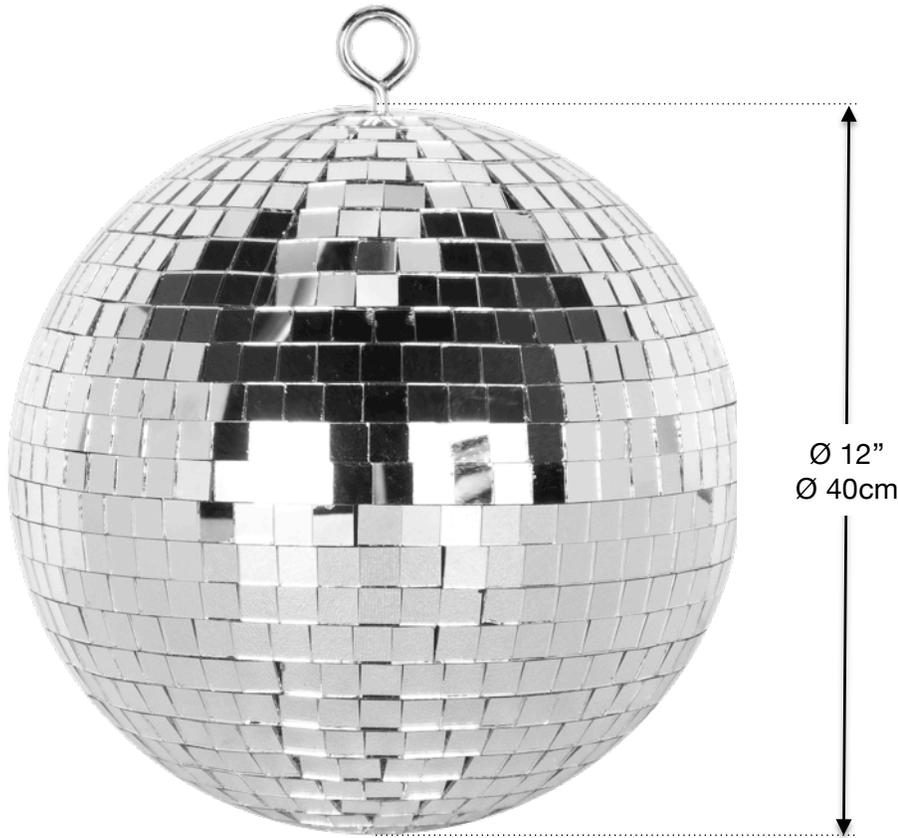
INDOOR USE ONLY

DIMENSIONS

Diameter: 12" (40 cm)

Weight: 4.93 lbs. / (2.24 kg)

Specifications subject to change without any prior written notice.



OPTIONAL ACCESSORIES

Order Code	Description
M-HDAC8	Mirror Ball Motor 3 R.P.M. (accommodates up to 16" or 40 cm)
MB DMX II	Heavy Duty Mirror Ball Motor with 2 DMX Channels
PL-1000	Pinspot Par Light 30W
S-CABLE 60	Safety Cable 60lb Rating, 24" Length

