



# Mirror Ball Motor

M30 | M40 | M100 | M400 | M601

## USER MANUAL



**For safety, please read this user manual carefully before initial use.**

Event Lighting reserves the right to revise the manual at any time. Information and specifications within this manual are subject to change without notice. Event Lighting assumes no liability or responsibility for any errors or omissions. Please consult Event Lighting for any clarification or information regarding this item.

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## Attention:

### Important Safety and Installation Guidelines for Mirror Ball and Motor

**For your safety and the integrity of the equipment, please adhere to the following guidelines:**

## Safety instructions:

### WARNING:

- Do not open this device, there is no user-serviceable parts inside. Risk of electric shock.

**CAUTION:** This unit's housing may be hot during and after operation.

- Install this device in a location with adequate ventilation, at least 20 inch (50 cm) from adjacent surfaces.
- Do not leave any flammable material within 50 cm of this unit while operating or connected to power.
- Use a safety chain when mounting this device overhead.
- Do not operate this device outdoors or in any location where dust, excessive heat, water, or humidity may affect it.
- Do not operate this device if the housing, lenses, or cables appear damaged.
- Do not connect this device to a dimmer or rheostat.
- ONLY connect this device to a grounded and protected circuit.
- ONLY use the hanging bracket to carry this device.
- In case of a serious operating problem, stop using immediately.
- The maximum ambient temperature is 104° F (40° C). Do not operate this device at higher temperatures.
- If the device has been exposed to drastic temperature fluctuation (e.g. After transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- Never let the power cable come into contact with other cables. Handle the power cable and all connections with the mains with particular caution.
- Make sure that the available voltage is not higher than the device's stated voltage.
- Make sure that the power cable is never crimped or damaged by sharp edges. Check the device and the power cable from time to time.
- Always disconnect from the mains, when the device is not in use or before cleaning it.
- Keep away children and amateurs.

## Product Installation:

### 1. **Qualifications for Installation:**

- If you lack the necessary qualifications, refrain from attempting the installation yourself. Seek the services of a professional installer to ensure proper setup.

### 2. **Risk of Improper Installation:**

- Improper installation poses a risk of bodily injury and property damage. Mirrorballs must always be installed using the included items. The manufacturer cannot be held liable for damages resulting from incorrect installations or insufficient safety precautions.

### 3. **Safety during Rigging and Servicing:**

- Block the area below the installation place during rigging, derigging, or servicing to prevent accidents.

### 4. **Handling Mirror Balls:**

- Always wear gloves when handling mirror balls to prevent injury from glass cutting or splintering.

### 5. **Avoiding Side Forces:**

- Ensure that no side forces impact the installation, and prevent the rotation of the mirror ball from being slowed down or stopped by decoration material.

### 6. **Approval and Inspection:**

- The operator must ensure that safety-related and machine-technical installations are approved by an expert:
  - Before the initial operation and after any changes.
  - Annually by a skilled person.

### 7. **Rigging Gear Inspection:**

- Ensure that all rigging gear is inspected by a qualified person before each use. The inspection should include a visual inspection and load tests in motion.

Your commitment to following these guidelines is essential for a safe and trouble-free operation. If you have any questions or concerns, please do not hesitate to seek professional assistance.

## Ceiling Mounting Measures

### 1. **Weight Capacity Check:**

- Before mounting, verify that the chosen surface or structure can support a minimum point load of 10 times the total weight of the devices.

### 2. **Proper Fastening:**

- Confirm that screws and/or anchor bolts (not included) are suitable for the mounting holes. Ensure they are securely drilled into wood or metal.

### 3. **Ceiling Surface Caution:**

- Do not mount the motor to a ceiling surface made of drywall.

### 4. **Motor Installation Position:**

- Install the motor only in a horizontal, vibration-free position.
- The mirror ball should be installed outside areas where persons may walk by or be seated.

**IMPORTANT:** OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE, including (but not limited to) calculation working load limits, installation material being used, and periodic safety inspection of all installation material and the mirror ball. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and/or damage to property.

- Please install the mirror ball motor via all 4-fixation holes.
- Only use appropriate screws and make sure that the screws are properly connected with the installation point.
- the motor. We recommend to use Chain for Mirror balls up to 3 cm certified, or Chain for Mirror ball up to 50 cm certified.
- **Caution:** The installation material must never include abrading material e.g. steel cables in order to avoid material wearing.
- The length of the chain must never exceed 100 cm.
- Make sure that the rotation of the mirror ball is never slowed down or stopped by decoration material etc.
- Make sure that no side forces can impact on the installation.
- Please check in regular intervals, if the key ring or chain links have been deformed. Uninstall the mirror ball immediately in such a case.

**5. Location Considerations:**

- Ensure the motor is installed in an oscillation-free location.
- For added protection, mount devices in areas outside walking paths, seating areas, or places where unauthorized personnel can access them.
- The motor and the mirror ball have to be installed out of the reach of people.
- If the motor shall be lowered from the ceiling or high joists, professional trussing systems have to be used. The motor must never be fixed swinging freely in the room.
- **Caution:** Mirror balls may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do NOT install the motor!

**6. Mirror Ball Safety:**

- Secure the mirror ball with a secondary safety attachment, such as an appropriate safety chain / safety wire (not included).

**7. Personal Safety Precautions:**

- Never stand directly below the devices when mounting, removing, or servicing.

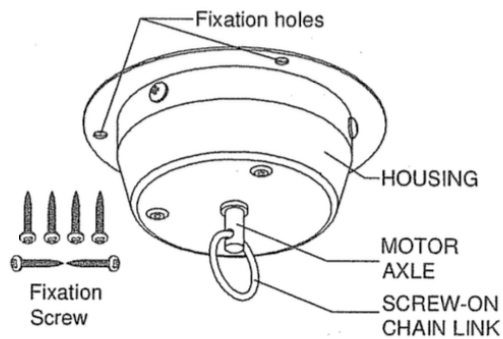
**8. Compliance with Regulations:**

- All devices must be installed in adherence to local, national, and country-specific commercial electrical and construction codes and regulations.
- The operator has to make sure that safety-relation and machine-technical installations are approved by a skilled person once a year.
- The operator has to make sure that safety-relation and machine-technical installations are approved by an expert after every four years in the course of an acceptance test.

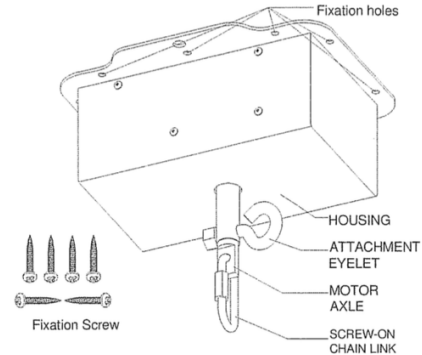
**If this motor will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock, crash etc.**

## Product Overview

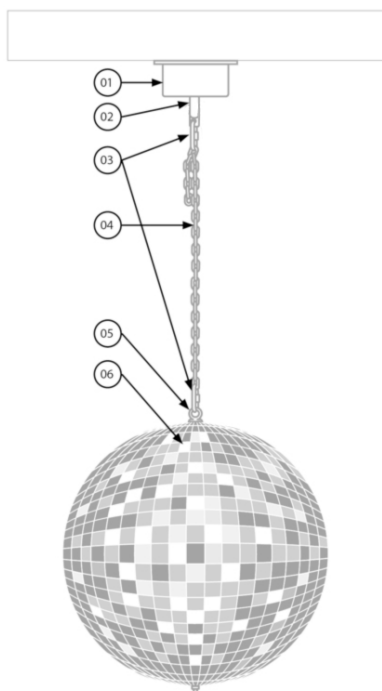
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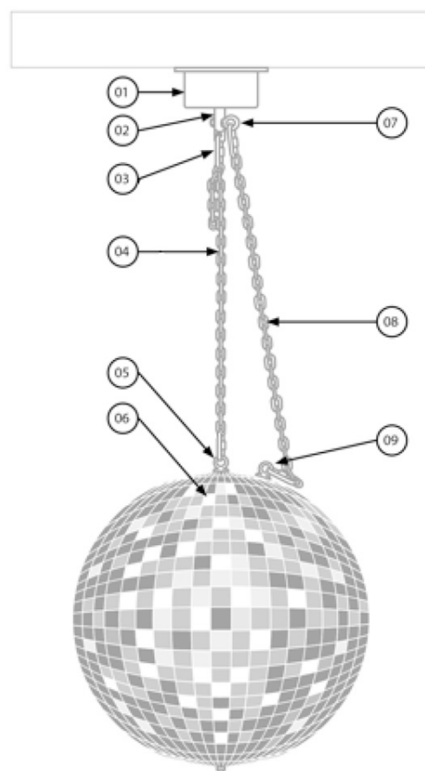
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## SAMPLE INSTALLATION USING A MIRROR BALL MOTOR, CHAIN AND SAFETY CHAIN:



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1. Mirror Ball Motor (included)
2. Mirror Ball Motor Axel Shaft (included)
3. O-Shaped Screw Gate Locking Carabineer (included)
4. Mirror Ball Chain (not included)
5. Mirror Ball Eyelet (not included)
6. Mirror Ball(not included)
7. Mirror Ball Motor Safety Eyelet (included)
8. Mirror Ball Safety Chain(not included)
9. Mirror Ball Safety Eyelet(not included)

Attach mirror ball to fixture or motor axel using the 'O' shaped ring included with the Mirrorball.  
Note: Measure and trim the mirror ball chain to the desired mounting height before attaching the mirror ball to fixture or motor axel.

## SAMPLE INSTALLATION USING A MIRROR BALL MOTOR, CARABINEER AND SAFETY WIRE:



Attach mirror ball to motor axle using the included carabineer (make sure to close carabineer!). Attach safety wire to the motor safety eyelet and the mirror ball eyelet.

## Technical specifications

### M30

Speed: 1.5 RPM

Input Voltage: 240V AC

Suits: 20cm (8") mirror ball up to 3 kg

Dimension: 120 x 120 x 60mm

Weight: 0.4 kg

### M40

Speed: 1.5 RPM

Input Voltage: 240V AC

Suits: 40cm (16") mirror ball up to 10 kg

Dimension: 110 x 110 x 100mm

Weight: 0.5 kg

### M100

Speed:  $\approx$  1 RPM

Input Voltage: 240V AC

Suits: 45cm (20") mirror ball up to 12 kg

Dimension: 200 x 200 x 150mm

Weight: 1.2 kg

### M400

Speed:  $\approx$  1 RPM

Input Voltage: 240V AC

Suits: 100cm (40") mirror ball up to 40 kg

Dimension: 290 x 260 x 220mm

Weight: 5.6 kg

### M601

Speed: 0.5-5 RPM

Input Voltage: 240V AC

Suits: mirror ball up to 300 kg

Dimension: 311 x 270 x 270mm

Weight: 12.7 kg

## Warranty

Please refer to your local dealer or please contact Event Lighting Pty Ltd

Website: [www.event-lighting.com.au](http://www.event-lighting.com.au)