

# **EQUINOX**

## **Heavy Duty 1 RPM Mirror Ball Rotator with Safety Eye**

User Manual



Order code: MIRR12

## WARNING

### FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

- Before your initial start-up, please make sure that there is no damage caused during transportation.
- Should there be any damage, consult your dealer and do not use the equipment.
- To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.
- Please note that damages caused by user modifications to this equipment are not subject to warranty.



### IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power cable come into contact with other cables. Handle the power cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the equipment and do not modify the unit.
- Do not connect this equipment to a dimmer pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available mains supply voltage is 240V AC, 50Hz.
- Make sure that the power cable is never crimped or damaged. Check the equipment and the power cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately and have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not connect power or switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, stop use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Prolight dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- This fixture is for professional use only - it is not designed for or suitable for household use. The product must be installed by a qualified technician in accordance with local territory regulations. The safety of the installation is the responsibility of the installer. The fixture presents risks of severe injury or death due to fire hazards, electric shock and falls.
- WARRANTY: One year from date of purchase.

### OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void. Incorrect operation may lead to danger e.g: short-circuit, burns and electric shocks etc.

Do not endanger your own safety and the safety of others!

Incorrect installation or use can cause serious damage to people and/or property.

This unit is a mirror ball motor and hanging bracket for rotating mirror balls. The maximum load of the installation eyelet must never be exceeded. The safety eyelet must never be used for loads.

When choosing the installation location, please make sure that the unit is not exposed to extreme heat, moisture or dust. There should not be any cables lying around. You endanger your own and the safety of others!

This unit must never be operated or stockpiled in surroundings where water, rain, moisture or fog may harm it. Moisture or very high humidity can reduce the electrical insulation and lead to fatal electrical shocks.

The ambient temperature must always be between -5 °C and +45 °C. Keep away from direct insulation (particularly in cars) and heaters. The relative humidity must not exceed 50 % with an ambient temperature of 45 °C. Never use the unit during thunderstorms. Over voltage can destroy the unit. Always disconnect the unit during thunderstorms.

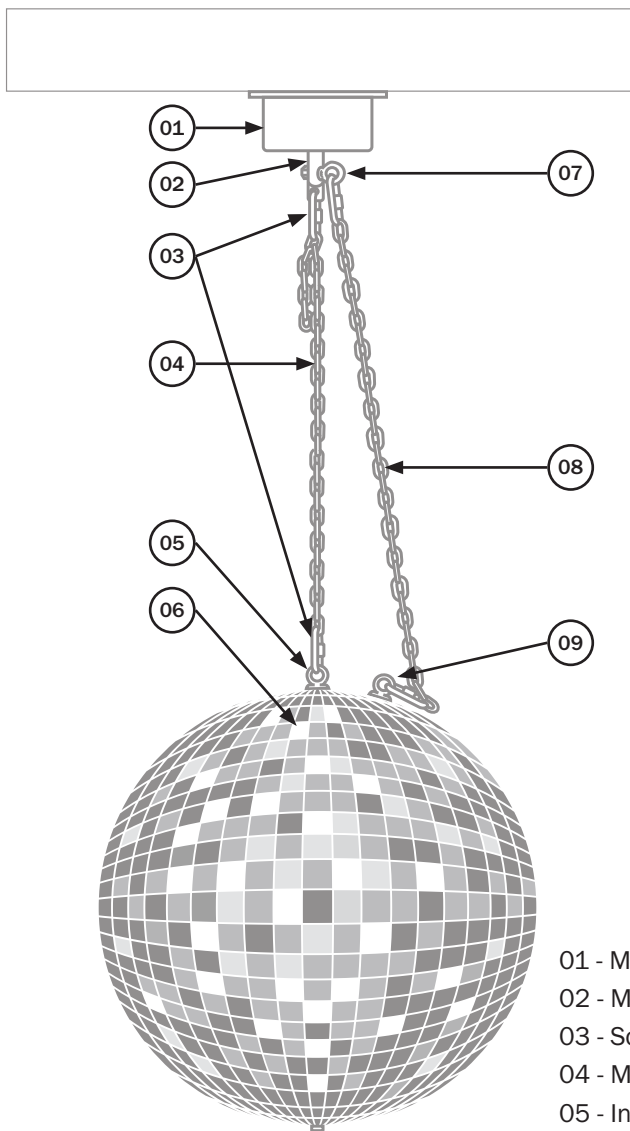
Make sure that the area below the installation place is blocked when rigging, derigging or servicing the unit.

**Heavy Duty Mirror Ball Rotator**

Suitable for driving mirror balls up to a maximum weight of 50kg, this weight corresponds with a diameter of 120cm for our Equinox mirror balls. (The max. load is always the mirror ball weight including the mirror ball chain, the safety chain and the fixation material.)

For professional use in pubs, clubs and in a variety of other environments where the EN DIN 56950 norms have to be considered.

- Large motor axle for high stability
- Additional attachment eyelet for secondary attachment of the load
- Complies with the safety norm EN 292



- 01 - Mirror ball motor
- 02 - Motor axle
- 03 - Screw-on chain link
- 04 - Mirror ball chain
- 05 - Installation eyelet
- 06 - Mirror ball
- 07 - Safety eyelet
- 08 - Safety chain
- 09 - Safety eyelet

Specifications	
Power supply	240V, 50Hz
Power consumption	16W
Max. load BGV C1 (12:1 safety factor)	50kg
Max. diameter of mirror ball	120cm
Rotation speed	1 RPM
Dimensions	200 x 280 x 212mm
Weight	5kg
Order code	MIRR12

In the box:  
**1 x rotator &  
 1 x user manual**



**DANGER TO LIFE!**

**PLEASE CONSIDER THE EN 60598-2-17 AND THE RESPECTIVE NATIONAL REGULATIONS DURING THE INSTALLATION. THE INSTALLATION MUST ONLY BE CARRIED OUT BY A COMPETENT AND QUALIFIED INSTALLER!**

The motor must be installed in an absolutely horizontal position in a vibration-free, oscillation-free and fire-resistant location

If the motor and the mirror ball are to be operated above persons, additional risks arise. A hazard analysis based on the location and application must be performed. Both the motor and mirror ball must meet the safety regulations regarding safety and operation.

The installation point of the mirror ball has to be built and constructed in a way that it can hold 10 times the weight of the mirror ball for one hour without any deformation.

The unit must always be secured with a secondary safety attachment. This secondary attachment must be constructed in a way that no part of the unit can fall if the main attachment fails.

When rigging, derigging or servicing the unit, no persons should be in the area below/above the installation, or in other areas which may be a hazard.

The operator has to make sure that safety relating and machine technical installations are approved by a competent, qualified expert before starting operation for the first time and before starting operation if changes have been made to the installation.

**Attachment:**

The rotary motor should ideally be installed away from areas where persons may walk by or be seated under.

**IMPORTANT!** OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE, including (but not limited to) calculation of work load limits, installation materials being used, and periodic safety inspections of all installation materials 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.

The motor and mirror ball have to be installed out of the reach of people.

If the motor is to be lowered from the ceiling or high joists a professional rigging system must be used. The motor must never be fixed swinging freely.

The motor must always be installed via all fixing holes. Only use appropriate screws and make sure screws are properly attached to the material point.

The durability of the installation depends very much on the material used at the installation area (building materials) such as wood, concrete, brick etc. Always ask a specialist for the correct plug/screw combination by specifying the maximum load and the building material.

**Connection with mains:**

Connect the device to the mains with the power plug.  
The occupation of the connection cables is as follows:

Cable	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	

**Attention!** The earth has to be connected!

If the device will be directly connected with the local power supply network, a disconnection switch with a minimum opening of 3mm at every pole has to be included in the permanent electrical installation.

The device must only be connected with an electric installation carried out in compliance with the IEC standards. The electric installation must be equipped with a Residual Current Device (RCD) with a maximum fault current of 30mA.

**The fittings used for installation must never include abrading material eg steel cables in order to avoid wear through abrasion.**

The length of the chain must never exceed 100cm.

Install the mirror ball chain with the screw-on chain link at the installation eyelet of the mirror ball and tighten with the fixing screw.

Insert the fourth chain link of the mirror ball chain with the mirror ball in the screw-on chain link and tighten the fixing screw.

For overhead use, always install a safety chain on the mirror ball that can hold at least 12 times the weight of the complete installation. The safety chain must always be slightly longer than the mirror ball chain so the safety chain will always be tension-free. Attach the safety chain to the safety eyelet on the mirror ball and then onto the safety eyelet on the motor.

The maximum drop distance for any safety device must never exceed 20cm.

A safety chain which has already taken the strain of a drop, or which is defective, must not be used again and must be replaced.

The mirror ball must never be hung from the safety eyelet. Loads must only be hung on the motor axle. If a mirror ball hangs for any reason from the safety eye, the motor must be taken out of operation immediately and the mirror ball must be uninstalled. The whole installation must be checked for any defects by a competent, qualified expert.

Make sure the rotation of the mirror ball is never slowed or stopped by decoration material etc.

Make sure that no side forces can impact on the installation.

Please check at regular intervals, if the installation material or chain links have become deformed. Uninstall the mirror ball immediately in such a case.

### **Cleaning & maintenance:**

The operator has to make sure that safety relating and machine technical installations are approved by a competent, qualified expert after every four years in the form of an acceptance test. The operator has to make sure that safety relating and machine technical installations are approved by a skilled person once a year.

The following points have to be considered during the inspection:

- 1 - All screws used for installing the motor or parts of the motor have to be tightly connected and must not be corroded.
- 2 - There must not be any deformities on housings, fixings and installation points (ceilings, trussing).
- 3 - Mechanically moving parts like axles and safety eyes must not show any traces of wearing (e.g. material abrading or damages) and must not rotate with any unbalance.
- 4 - The electric power supply cables must not show any damage or, material fatigue. Further instructions depending on the installation point and usage have to be adhered to by a skilled installer.



**DANGER TO LIFE!**  
**DISCONNECT FROM MAINS BEFORE STARTING MAINTENANCE OPERATION.**

We recommend frequent cleaning of the motor. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents! There are no serviceable parts inside this motor. Maintenance and service operations are only to be carried out by authorised dealers.

Should you need any spare parts, please use genuine parts. If the power supply cable of this unit is damaged, it has to be replaced by an authorised dealer only in order to avoid hazards. If defective, please dispose of the motor in accordance with current legal regulations. Should you have any further questions, please contact your dealer.



***Correct Disposal of this Product  
(Waste Electrical & Electronic Equipment)***

**(Applicable in the European Union and other European countries  
with separate collection systems)**

This marking shown on the product or its literature, indicates that it should not be disposed of with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.





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