

## INSTALLATION INSTRUCTIONS

# Mirror-ball 30 cm

For your own safety, please read this user manual carefully before you initial start-up.

Every person involved with the installation, operation and maintenance of this device have to:

- be qualified
- follow the instructions of this manual

### INTRODUCTION

Thank you for having chosen a EUROLITE mirror-ball.

Unpack your mirror-ball.

Before you initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

In order to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.



**Important:**

*Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.*

### OPERATING DETERMINATIONS

This device is an effect-ball for home-use or for professional use for creating decorative effects if adequate illumination is used.

The device must never be installed over areas, where persons may be seated or walk by.

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

Please use the original packaging if the mirror-ball is to be transported.

If this mirror-ball 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 crash etc.

### INSTALLATION

***Installation for home use:***



**DANGER TO LIFE!**

Please consider the EN 60598 norms during the installation!  
The installation must only be carried out by a qualified electrician!

The installation of the mirror ball has to be built and constructed in a way that it can hold 5 times the weight for 1 hour without any harming deformation.

**Procedure:**

The mirror ball should be installed outside areas where persons may walk by or be seated.

The mirrorball has to be installed out of the reach of people.

**Caution:** Mirrorballs may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do NOT install the mirrorball!

Before rigging make sure that the installation area has to hold a minimum of 15 kg point load.

For the mirror ball 30 cm, only the EUROLITE MD-1015 rotate motor with power plug, No. 50301150 or EUROLITE MD-1030 rotate motor with power plug, No. 50301205 or a safety technical equivalent motor has to be used.

The mirrorball has to be connected via an appropriate installation (see above) with the motor. We recommend to use the Chain for Mirrorballs up to 50 cm certified, 33 cm, No. 50301612 or Chain for Mirrorballs up to 50 cm certified, 100 cm, No. 50301614.

**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 mirrorball is never slowed down or stopped by decoration material etc.

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

**Caution:** Please consider that if you use an optional key ring, the key also has to hold 5 times the weight of the installation.

Please check in regular intervals, if the key ring or chain links have been deformed. Uninstall the mirrorball immediately in such a case.

***Installation for professional use:***



**DANGER TO LIFE!**

**Please consider the EN 60598-2-17 and the respective national norms during the installation! The installation must only be carried out by an authorized dealer!**

The installation of the mirror ball has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

The installation must always be secured with a secondary safety attachment, e.g. an appropriate catch net. This secondary safety attachment must be constructed in a way that no part of the installation can fall down if the main attachment fails.

When rigging, derigging or servicing the fixture staying in the area below the installation place, on bridges, under high working places and other endangered areas is forbidden.

The operator has to make sure that safety-relating and machine-technical installations are approved by an expert before taking into operation for the first time and after changes before taking into operation another time.

The operator has to make sure that safety-relating and machine-technical installations are approved by an expert after every four year in the course 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.

**Procedure:**

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) calculating 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.

The mirrorball has to be installed out of the reach of people.

**Caution:** Mirrorballs may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do NOT install the mirrorball!

Before rigging make sure that the installation area has to hold a minimum of 30 kg point load.

For the mirror ball 30 cm, only the EUROLITE MD-1015 rotate motor without power plug, No. 50301100 or EUROLITE MD-1030 rotate motor without power plug, No. 50301200 or a safety technical equivalent motor has to be used.

The mirrorball has to be connected via an appropriate installation (see above) with the motor. We recommend to use the Chain for Mirrorballs up to 50 cm certified, 33 cm, No. 50301612 or Chain for Mirrorballs up to 50 cm certified, 100 cm, No. 50301614.

**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 mirrorball is never slowed down or stopped by decoration material etc.

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

**Caution:** Please consider that if you use an optional key ring, the key also has to hold 10 times the weight of the installation.

Please check in regular intervals, if the key ring or chain links have been deformed. Uninstall the mirrorball immediately in such a case.



**DANGER TO LIFE!**

**Before taking into operation for the first time, the installation has to be approved by an expert!**

**CLEANING AND MAINTENANCE**

The operator has to make sure that safety-relating and machine-technical installations are inspected by an expert after every four years in the course of an acceptance test.

The operator has to make sure that safety-relating and machine-technical installations are inspected by a skilled person once a year.

The following points have to be considered during the inspection:

- 1) All screws used for installing the devices or parts of the device have to be tightly connected and must not be corroded.

- 2) There must not be any deformations on housings, fixations and installation spots (ceiling, suspension, trussing).
- 3) Mechanically moved parts like axles, eyes and others must not show any traces of wearing (e.g. material abrading or damages) and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

Maintenance and service operations are only to be carried out by authorized dealers.

Should you need any spare parts, please use genuine parts.

Should you have further questions, please contact your dealer.

## **TECHNICAL SPECIFICATIONS**

Diameter:	30 cm
Weight:	approx. 1.850 kg

**Please note: Every information is subject to change without prior notice. 7/00 ©**

**eurolite<sup>®</sup>** GERMANY

# eurolite

**BEDIENUNGSANLEITUNG**  
**USER MANUAL**

# **MD-1015**

# **Rotary Motor**

Für weiteren Gebrauch aufbewahren!  
Keep this manual for further needs!

English

## USER MANUAL

# eurolite

## MD-1015 rotary motor



### CAUTION!

Keep this device away from rain and moisture!  
Unplug mains lead before opening the housing!

For your own safety, please read this user manual carefully before you initial start-up.

Every person involved with the installation, operation and maintenance of this device have to:

- be qualified
- follow the instructions of this manual

## INTRODUCTION

Thank you for having chosen a EUROLITE MD-1015.

Unpack your motor.

Before you initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

In order to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.



### Important:

*Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.*

## SAFETY INSTRUCTIONS



### CAUTION!

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires!

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.



### Important:

*Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.*

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.

**For the version without power-plug:**



**DANGER TO LIFE!**

The electric connection must only be carried out by a qualified electrician!

Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!

Make sure that the available voltage is not higher than stated on the rear panel.

Make sure that the power-cord is never crimped or damaged by sharp edges. Check the device and the power-cord from time to time.

Always disconnect from the mains, when the device is not in use or before cleaning it.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

Keep away children and amateurs!

## OPERATING DETERMINATIONS

This device is a mirrorball motor for turning mirrorballs up to a maximum diameter of 30 cm. The maximum charge of the whole installation must not exceed 3 kg.

This product is only allowed to be operated with an alternating voltage of 230 V, 50 Hz and was designed for indoor use only.

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

Please use the original packaging if the device is to be transported.

If this mirrorball 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.

## INSTALLATION

*Installation for home use:*



**DANGER TO LIFE!**

Please consider the EN 60598 norms during the installation!  
The installation must only be carried out by a qualified electrician!

The installation of the mirrorball has to be built and constructed in a way that it can hold 5 times the weight for 1 hour without any harming deformation.

**Procedure:**

The mirrorball should be installed outside areas where persons may walk by or be seated.

The installation spot must be chosen in a way that the motor can be installed in an absolutely horizontal position.

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

**Caution:** Mirrorballs may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do NOT install the motor!

Before rigging make sure that the installation area has to hold a minimum of 30 kg point load.

Please install the mirror ball motor via all 4 fixation holes.

Do only use appropriate screws and make sure that the screws are properly connected with the ground.

**Connection to the mains**


**For the version with power-plug:**

Connect the device with the power plug to the mains.

**For the version without power-plug:**

Connect the device with the 3-pole power supply cable to the mains.

The occupation of the connection-cables is as follows:

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

The earth has to be connected!

The mirrorball has to be connected via an appropriate installation (see above) with the motor. We recommend to use the Chain for Mirrorballs up to 50 cm certified, 33 cm, No. 50301612 or Chain for Mirrorballs up to 50 cm certified, 100 cm, No. 50301614.

**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 mirrorball 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 mirrorball immediately in such a case.

**Installation for professional use (e. g. discotheques, theatres, etc.):**



**DANGER TO LIFE!**

Please consider the BGV C1 (before VBG 70) and EN 60598-2-17 norms during the installation!  
The installation must only be carried out by an authorized dealer!

The installation of the mirrorball has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

The installation must always be secured with a secondary safety attachment, e.g. an appropriate catch net. This secondary safety attachment must be constructed in a way that no part of the installation can fall down if the main attachment fails.



When rigging, derigging or servicing the fixture staying in the area below the installation place, on bridges, under high working places and other endangered areas is forbidden.

The operator has to make sure that safety-relating and machine-technical installations are approved by an expert before taking into operation for the first time and after changes before taking into operation another time.

The operator has to make sure that safety-relating and machine-technical installations are approved by an expert after every four year in the course 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.

**Procedure:**

The mirrorball should be installed outside areas where persons may walk by or be seated.

**IMPORTANT! OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE**, including (but not limited to) calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the mirrorball. 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 installation spot must be chose in a way that the motor can be installed in an absolutely horizontal position.

The motor and the mirrorball 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:** Mirrorballs may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do NOT install the motor!

Before rigging make sure that the installation area has to hold a minimum of 30 kg point load.

Please install the mirror ball motor via all 4 fixation holes.

Do only use appropriate screws and make sure that the screws are properly connected with the ground.

**Connection to the mains**


**For the version with power-plug:**

Connect the device with the power plug to the mains.

**For the version without power-plug:**

Connect the device with the 3-pole power supply cable to the mains.

The occupation of the connection-cables is as follows:

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

The earth has to be connected!

The mirrorball has to be connected via an appropriate installation (see above) with the motor. We recommend to use the Chain for Mirrorballs up to 50 cm certified, 33 cm, No. 50301612 or Chain for Mirrorballs up to 50 cm certified, 100 cm, No. 50301614.

**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 mirrorball 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 mirrorball immediately in such a case.



**DANGER TO LIFE!**

Before taking into operation for the first time, the installation has to be approved by an expert!

## TECHNICAL SPECIFICATIONS

Power supply:	230 V AC, 50 Hz ~
Power consumption:	4 W
Maximum charge:	3 kg
Max. diameter of mirror ball:	30 cm
Rotation-speed:	approx. 1.5 RPM
Diameter of base plate:	113 mm
Height:	58 mm
Weight:	0.3 kg

**Please note: errors and omissions for every information given in this manual excepted. 3/00 ©**

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