

# eurolite®

**USER MANUAL**

## **Motor for Mirror Ball LED FC**



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## Motor for Mirrorball LED FC



### CAUTION!

Keep this device away from rain and moisture!

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

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

- be qualified
- follow the instructions of this manual
- consider this manual to be part of the total product
- keep this manual for the entire service life of the product
- pass this manual on to every further owner or user of the product
- download the latest version of the user manual from the Internet

You can find the latest update of this user manual in the Internet under:

[www.eurolite.de](http://www.eurolite.de)

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## INTRODUCTION

Thank you for having chosen a EUROLITE Motor for Mirrorball LED FC. If you follow the instructions given in this manual, we are sure that you will enjoy this device for a long period of time.

Unpack your motor.

### Features

#### Sensational ~ Mirrorball illumination and rotary motor all in one!

- Plastic housing with 16 LEDs ( 6x white, 4x green, 4x blue and 2x red) which illuminates the mirrorball from above
- Features a built-in microphone
- 3-step mode-selector with the following functions: all on, all off, sound-controlled beam-movement
- Suitable for driving mirror balls up to a maximum weight of 0.5 kg
- This weight corresponds with a diameter of 15 cm for the EUROLITE mirror balls
- 10-11 rotation per minute
- Battery operated: suitable batteries 3 x AA 1.5 V
- Easy installation
- Before taking into operation for the first time, the installation has to be approved by an expert

## SAFETY INSTRUCTIONS

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.

Please make sure that there are no obvious transport damages. Should you notice any damages on the casing, do not take the device into operation and immediately consult your local dealer.

This device falls under protection-class III.

Always remove the battery, when the device is not in use or before cleaning it. More severe dirt in and at the device should only be removed by a specialist.

Keep away children and amateurs from the device and the battery!

Never leave this device running unattended.

The mirrorball must always be secured with a secondary attachment!

## OPERATING DETERMINATIONS

This device is a mirrorball motor for turning mirrorballs up to a maximum diameter of 20 cm. The maximum charge of the whole installation must not exceed 1 kg.

This product is only allowed to be operated with 3 x AA 1.5 V batteries and was designed for indoor use only.

The motor and the mirrorball must never be installed over areas where persons may be seated or walk by.

When choosing the installation-spot, please make sure that the device 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 device must never be operated or stockpiled in surroundings where splash water, rain, moisture or fog may harm the device. When using smoke machines, make sure that the device is never exposed to the direct smoke jet and is installed in a distance of 0.5 meters between smoke machine and device. The room must only be saturated with an amount of smoke that the visibility will always be more than 10 meters.

The ambient temperature must always be between  $-5^{\circ}\text{C}$  and  $+45^{\circ}\text{C}$ . Keep away from direct insulation (particularly in cars) and heaters.

The relative humidity must not exceed 50 % with an ambient temperature of  $45^{\circ}\text{C}$ .

This device must only be operated in an altitude between -20 and 2000 m over NN.

Batteries are hazardous waste which need to be disposed of appropriately. If the device is to be disposed, the battery has to be removed first.

Make sure that the poles are correct when inserting the battery.

Never let batteries lying around openly as there is the danger that these can be swallowed by children or domestic animals. Immediately consult a doctor when batteries are swallowed!

Leaking or damaged batteries can cause irritations when getting into contact with the skin. In this case use appropriate protective gloves.

Make sure that the battery cannot be short-circuited, thrown into the fire and be charged. There is a danger of explosion.

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

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation!

Never use solvents or aggressive detergents in order to clean the device! Rather use a soft and damp cloth.

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

Please consider that unauthorized modifications on the device are forbidden due to safety reasons!

If this device 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 burns, crash etc.

## INSTALLATION

### *Inserting/Replacing the battery*

Please refer to the explanations under Operating Determinations.

Open the battery cover on the bottom of the device.

If replacing batteries, first remove the old batteries from the battery compartment.

#### **Caution!**

Danger of explosion when battery is replaced improperly.  
Only replace by the same type or similar types recommended by the manufacturer.  
Remove empty battery in accordance with the instructions of the manufacturer.

Insert the new batteries and make sure that the poles are correct.

Replace the battery cover and close it.

If the device will not be used for a longer period of time, remove the batteries in order to avoid battery leakage.

In order to have a long battery life, you should only use alkaline batteries.

#### **BATTERY DISPOSAL NOTICE**

Please dispose of old and used batteries properly.  
Batteries are hazardous waste and should not be disposed of with regular domestic waste!  
Please take old and used batteries to a collection center near you.



#### **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 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.

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.

### **Attachment**

The rotary motor 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 motor must only be installed at a vibration-free, oscilation-free and fire-resistant location. By using a water-level, make sure that the motor axle points exactly to the bottom.

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 attaching the device, make sure that the installation area can hold a minimum point load of 10 times the device's load (e.g. maximum load 1 kg - point load 10 kg).

The mirrorball motor must always be installed in a stable way. Do only use an appropriate hook and make sure that the hook is properly connected with the ground.

The durability of the installation depends very much on the material used at the installation area (building material) such as wood, concrete, gas concrete, brick etc. This is why the fixing material must be chosen to suit the wall material. Always ask a specialist for the correct plug/screw combination indicating the maximum load and the building material.

### **Procedure:**

**Step 1:** The holes for the installation are on the base of the motor.

**Step 2:** Hold the baseplate onto the location where the device is to be installed.

**Step 3:** Mark the boreholes with a pen or a suitable tool.

**Step 4:** Drill the holes.

**Step 5:** Hold the device in the desired position and tighten it.



### **DANGER TO LIFE!**

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

The maximum load may never exceed 0.5 kg. This corresponds to EUROLITE mirrorballs with a diameter of 15 cm.

**The installation material must never include abrading material e. g. steel cables in order to avoid material wearing.**

Install the installation eyelet of the mirrorball to the key ring of the mirrorball chain.

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.

Make sure that the mirrorball cannot be moved by air streams. The mirrorball and the motor must be installed and operated absolutely swivel free.

Please check in regular intervals, if the mirrorball chain shows deformation. Uninstall the mirrorball immediately in such a case.

### **Operation**

On the side of the Motor for Mirrorball LED FC, you can find a 3-step mode-selector with the following functions:

- All on
- 0 All off
- = Sound-controlled beam-movement

The Motor for Mirrorball LED FC features a built-in microphone, which provides automatic sound control. The rotation speed remains constant, however.

## **CLEANING AND MAINTENANCE**



### **DANGER TO LIFE!**

**Disconnect from mains before starting maintenance operation!**

We recommend a frequent cleaning of the device. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents!

There are no servicable parts inside the device except for the batteries. Maintenance and service operations are only to be carried out by authorized dealers.

In order to replace the batteries please refer to "Inserting/exchanging battery".

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

Should you have further questions, please contact your dealer.

## TECHNICAL SPECIFICATIONS

Power supply:	via 3 x AA 1.5 V batteries
Maximum carrying capacity:	0.5 kg
Maximum diameter of mirror ball:	15 cm (EUROLITE)
Rotation-speed:	approx. 10-11 RPM
Diameter:	130 mm
Height:	75 mm
Weight:	0.2 kg

Accessories:	No.
Mirror ball 15cm	50100210
Mirror ball 15cm, gold	50120023
Mirror ball 15cm, black	50301600

Please note: Every information is subject to change without prior notice. 20.12.2011 ©

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