

# MIRROR BALL MOTOR SMALL USER MANUAL

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

**MODEL:** AM-103

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

**WARNING:**

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

- Be qualified
- Follow the instructions of the manual

**INTRODUCTION:**

- Thank you for having chosen this MB MOTOR SMALL (AM-103).
- 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.
  - 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.

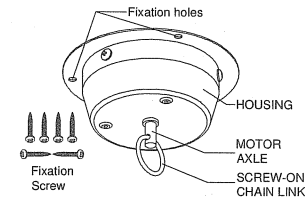
**DANGER TO LIFE:**

- 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 the device's stated voltage.
- 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.
- Keep away children and amateurs!

**OPERATING DETERMINATIONS:**

- This device is a mirror ball motor for turning mirror balls up to a maximum diameter of 30 cm. The maximum charge of the whole installation must not exceed 3 kg.
- This product is allowed to be operated with an alternation voltage of 220~240V. 50Hz 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 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:**

**DANGER TO LIFE:**

- Please consider the EN 60598 norms and EN 60598-2-17 norms during the installation!
- The installation must only be carried out by a qualified electrician or an authorized dealer!
- The installation of the mirror ball has to be built and constructed in a way that it can hold 10 times 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-relation 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-relation 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-relation 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 ) 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.
- The installation spot must be chose in a way that the motor can be installed in an absolutely horizontal position.
  - 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!
- 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 or connect the device with 3-pole power plug 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 mirror ball has to be connected via an appropriate installation (see above) with the motor. We recommend to use Chain for Mirror balls up to 33 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.
- DANGER TO LIFE:** Before taking into operation for the first time, the installation has to be approved by an expert!

**CLEANING AND MAINTENANCE**

- 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 serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.
- Should you need any spare parts, please use genuine parts.
- If the power supply cable of this device becomes damaged, it has to be replaced by authorized dealers only in order to avoid hazards.
- Should you have further questions, please contact your dealer.

**TECHNICAL SPECIFICATIONS**

Power supply:	220-240V A C, 50Hz
Power consumption	4 W
Maximum charge:	3 kg
Max, diameter of mirror ball	30 cm
Rotation-speed:	1-5 RPM
Diameter of base plate:	113 mm
Height:	58 mm
Weight:	0.3 kg

