



LMM-100DMX

User Manual

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Safety

Important Safety Information

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT OVEREXPOSE THIS FIXTURE TO RAIN OR MOISTURE.

WARNING: CONNECT ONLY TO MAINS POWER SUPPLY WITH A PROTECTIVE EARTHING CONNECTION.

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE THE REAR COVER OR ATTEMPT TO OPEN THE LIGHTING FIXTURE. THERE ARE NO USER-SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO QUALIFIED PERSONNEL.

1. Read this manual carefully.
2. Keep this manual safe for future reference.
3. Follow all warnings and recommendations.
4. Do not operate or store near water.
5. Do not expose the fixture to dripping or splashing liquid, and ensure that no objects containing liquid are placed on this fixture.
6. Clean only with a dry cloth.
7. Do not install or operate near any heat sources such as radiators, gas heaters, stoves, or other heating apparatus.
8. Only use attachments and accessories specified by the manufacturer.
9. Do not block any ventilation openings, including sound ports.
10. Install in accordance with the manufacturer's instructions.
11. Do not obstruct or remove the ground plug from the fixture, doing so may cause electric shock resulting in serious injury or death.
12. Protect the power cord from being walked on, pinched, or rolled over.
13. Unplug the fixture during electrical storms and power outages.
14. Refer all servicing to a qualified service technician. Servicing is required when the fixture no longer operates, fails to power on, or emits an electrical smell or sound.
15. To completely disconnect AC power from this fixture, the power supply cord must be unplugged.

Precautions

If an AVE lighting fixture is used outdoors on a sunny day, ensure that it is in a shaded area and is well ventilated to help prevent overheating.

Do not use AVE lighting fixtures in environments that are below 0°C OR exceed +40°C.

Suspension

Suspending any object is potentially dangerous and should only be attempted by qualified individuals with thorough knowledge of the techniques and regulations for suspending objects. It is the responsibility of the installer to ensure all fixtures and effects are installed correctly. AVE strongly recommends inspecting installed systems every 6 months for signs of weakness or damage. If any damage or weakness is detected then remedial action should be taken immediately. The user is responsible for making sure the wall, ceiling, or structure is capable of supporting all objects suspended overhead. Any hardware used to suspend the fixture not associated with AVE is the responsibility of others.

Description

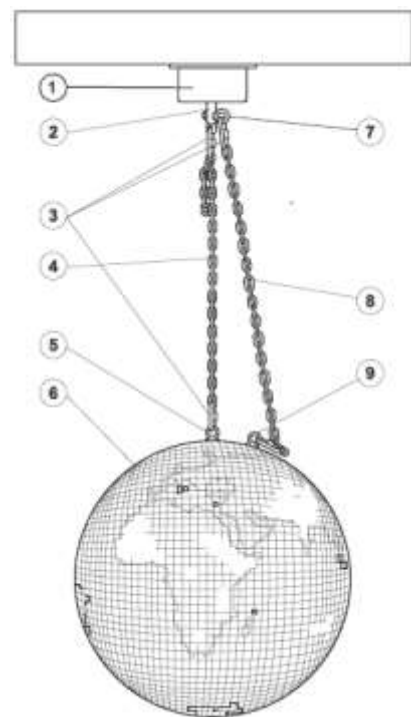
The LMM-100DMX is a versatile heavy-duty mirror ball motor that slowly spins your mirror ball giving you a great classic effect. Featuring DMX control that allows you to control the speed and rotation direction of your mirror ball motor. Made from high-quality materials, and designed to safely support your mirror ball over-head while allowing the ball to spin creating the traditional mirror ball effect. Capable of supporting 10 kg.

Features

- Professional Mirror ball motor with DMX control
- Dual mounting shaft for ball and safety wire
- Adjustable RPM from 0.5 to 5 RPM via DMX
- Heavy duty steel housing
- 3-Pin XLR connections for DMX control
- Stand-alone operation function with fixed RPM

Overview

1. Mirror ball motor
2. Motor axle
3. Screw-on chain link
4. Mirror ball chain
5. Installation eyelet
6. Mirror ball
7. Safety eyelet
8. Safety chain
9. Safety eyelet



Installation

The motor must only be installed in an absolutely horizontal position at a vibration-free, oscillation-free and fire-resistant location. By using a water-level, make sure that the motor is installed absolutely horizontally and that the motor axle points exactly to the bottom.

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 in order to ensure dimensioning and measures for a safe operation. Both the motor and the mirror ball meet the professional association safety regulations regarding safety and operation.

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. This secondary safety attachment must be constructed in a way that no part of the installation can fall down if the main attachment fails.

To install your AVE LMM-100 follow the below steps;

Step 1: The fixation holes are located on the base plate.

Step 2: Hold the base plate 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 base plate in the desired position and tighten it

Precautions:

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 3 kg - point load 30 kg).

The mirror ball motor must always be installed via all fixation holes. Only use appropriate screws and make sure that the screws are properly connected.

The length of the chain must never exceed 100 cm from the motor to the mirror ball.

For overhead use, always install a safety chain on the mirror ball that can hold at least 12 times the weight of the installation. The safety chain must be slightly longer than the mirror ball chain so that the safety chain will always be tension-free, but not allow a drop distance that exceeds 20cm. Pull the safety chain through the safety eyelet of the mirror ball and in the safety eyelet of the motor.

Make sure that the rotation of the mirror ball is never slowed down or stopped by decoration material etc. Ensure that no side forces can impact on the installation, or that the mirror ball cannot be moved by air.

Operation

To access the menus and functions of the LMM-100DMX, use the on board dipswitch control.

Stand-Alone Operation

In order to select Manual Mode, set DIP-switch 10 to OFF.

Rotation speed can be selected via DIP-switch **1**: 0.5 RPM = ON; 1 RPM = OFF.

Rotation direction can be selected via DIP-switch **2**: clockwise = OFF; counter clockwise = ON.

DIP-switches 3 to 9 have no function.

Master-Slave

In order to select the Master unit, set DIP-switch 10 to OFF.

Set DIP-switches 1 and 10 to OFF on the Slave devices.

DMX-controlled operation:

For DMX-controlled operation set DIP Switch 10 to ON.

Use DIP Switches 1 to 9 to set the desired DMX addresses.

DMX Channels

1 CH Control

1 CH	000 - 000	No Rotation
	001 - 127	Decreasing clockwise rotation
	128 - 128	No Rotation
	129 - 255	Increasing counter-clockwise rotation

Specifications

Supported Mirror balls:	Up to 50cm (20")
Max Load WLL (4-fold):	30kg
Max Load BVG C1 (10-fold)::	12 kg
DMX Channels:	1CH
DMX Connectors:	3-Pin XLR
Enclosure:	Steel
Power Consumption:	13W
Power Supply:	240V AC / 50Hz
Power Connectors:	Fixed Mains
Dimensions:	230 x 130 x 140 mm
Weight:	3 kg
