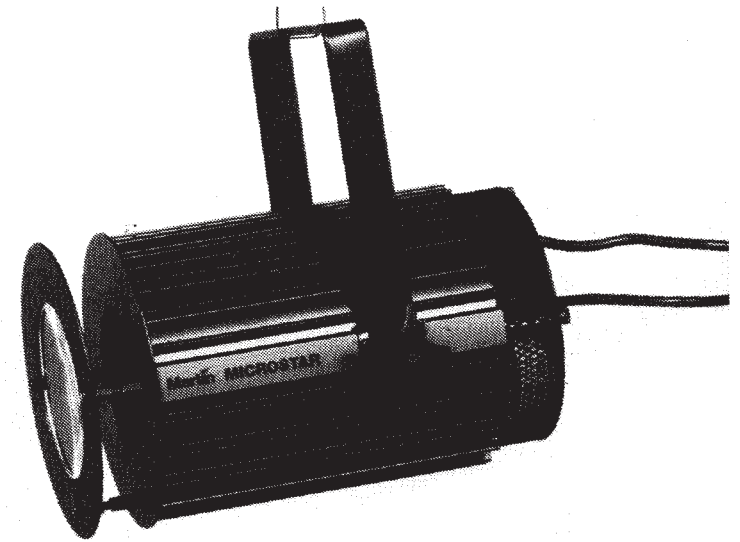


Microstar users guide



Martin

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INTRODUCTION

The Martin Microstar is a compact lighting projector which produces an attractive flower effect. It features:

- 12 Volt 100 Watt lamp.
- Motorized rotating mirror (6 RPM bi-directional).
- Separate circuits for lamp and motor allowing external control from any 12 Volt switching system.
- Available in three versions: Standard, Colour (multicoloured beams) and Rainbow (multicoloured flat beams).

For optimum performance a Martin M301 controller is recommended. It is designed to control up to 4 Microstars and features:

- 4x10A 12V supplies for the lamps.
- 1A 12 V supply for the motors.
- Built-in microphone with sensitivity control to trigger the projectors (random program in time with the music).

HOW TO INSTALL THE MICROSTAR

- Remove the 4 knurled screws and carefully lift out the lamp-holder/mirror/motor assembly. The lamp can now be installed
- Avoid touching the lamp with your fingers - hold it in a clean cloth. Push the lamp into place in the ceramic lamp-holder.
- Replace the casing and tighten the screws.
- Connect the motor cable to a 12V 1A AC power supply (this cable is clearly identified on the end-plate of the Microstar).
- Connect the lamp cable to a 12V 10A AC power supply (this cable is also clearly identified).

OPERATING WITH THE M301 CONTROLLER

- Connect the motor cable (clearly identified on the end-plate of the Microstar) to one of the motor supply outputs on the terminal block on the M301. The motor supply outputs are marked "M1, M2, M3 and M4".
- Connect the lamp cable (also clearly identified) to the corresponding light supply output on the terminal block. The light supply outputs are marked "L1, L2, L3 and L4".
- Set the mains supply selector switch on the side of the controller to 115V or 220V according to the local mains supply voltage. (It is possible to match the M301 to slightly higher or lower mains voltages - see below).
- Plug in to the mains supply.
- The volume control can be adjusted so that the Microstar is triggered by the music or other sounds. The volume control is a coarse adjustment - there is an electronic level control which automatically do a fine adjustment to the overall sound level.

FUSE REPLACEMENT

- The M301 controller is very well protected by 6 fuses. If you need to replace the fuses the procedure is as follows.
- The mains fuse is mounted in a fuse-holder on beside the mains voltage switch.
- The lamp fuses (one 10A fuse for each lamp, 4 in all) and the motor fuse (one 1A fuse) are mounted on the printed circuit board. DISCONNECT FROM THE MAINS BEFORE PROCEEDING! Remove the 8 screws which retain the cabinet lid. Pull off the plastic knob from the volume control and loosen the hex nut which fixes the volume control to the lid - just enough to enable the lid to be lifted off. The fuses are clearly marked. After replacing the fuses as necessary re-assemble the unit, tighten the 8 screws and the hex nut and replace the volume control knob.

SWITCHING OF THE MAINS VOLTAGE

- The mains transformer can be wired to match 110, 120, 220, 230 or 240 Volts. DISCONNECT FROM THE MAINS! Remove the cabinet lid as described above and then connect the transformer as shown in diagram. Re-assemble the unit as described above.

