

Starflash III

user manual



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section 1

INTRODUCTION

Thank you for selecting the Martin *Starflash III*. The *Starflash III* is a powerful but compact effect which produces a variety of exciting effects depending on model. New for this version of the *Starflash* is improved music response circuitry.

Features

- 300 W halogen lamp
- Sharp, rotating, white or colored light beams
- Microprocessor control with accurate music response
- Thermo-switch for overheating protection
- Adjustable mounting bracket

Safety precautions

The *Starflash III* is NOT for domestic use. If you have any doubts about how to operate the fixture safely, please contact your Martin dealer for assistance.

- Read user manual before connecting or operating the fixture.
- Install the fixture out of reach of accidental contact, at least 0.3 meters (12 inches) away from illuminated objects, and at least 0.1 meters (4 inches) from flammable materials. Provide a minimum clearance of 0.1 meters (4 inches) around fans and air vents.
- Completely disconnect the fixture from electricity and allow to cool for 5 minutes before replacing the lamp or fuse.
- Use only a source of AC power that complies with local building and electrical codes and has both overload and ground-fault protection. Ensure that the fixture is properly grounded (earthed).
- To reduce risk of fire and electrical shock, do NOT expose to rain or moisture.
- Replace the lamp when it becomes defective or worn out.
- Do not operate the fixture if the ambient temperature exceeds 40°C (104°F).
- Refer all service to a Martin service technician.
- When suspending the fixture above ground level, verify that the structure can hold at least 10 times the weight of all installed devices.
- Verify that all external covers and rigging hardware are securely fastened and use an approved means of secondary attachment such as a safety cable.

section 2

SETUP AND OPERATION

The *Starflash III* includes a power cable, this user manual, and a mounting bracket. Before operating the fixture, you must insert a lamp (not included), install a plug on the power cord, and attach the mounting bracket.

Installing or replacing the lamp

Install only the lamp listed below for your model.

Model	Lamp	Volts / Watts	Output	Avg. Life	Base
EU	Osram 64516	230 V / 300 W	7300 lm	50 h	GX 6.35
US	Philips 6874P (DRA)	120 V / 300 W	7700 lm	75 h	GX 6.35
UK	Osram 64514 (M38)	240 V / 300 W	5200lm	2000 h	GY 9.5

1. Unplug the fixture and allow it to cool for 5 minutes.
2. Remove the lamp-access thumbscrew on the top of the fixture.
3. If removing a bulb, gently pull it out of the socket.
4. Hold the new bulb in a clean cloth and insert the pins into the socket. Oils from your fingers shorten lamp life; if you do touch the bulb, clean it with a cloth wetted with denatured alcohol.
5. Replace the lamp-socket assembly and tighten the thumbscrew.
6. Sliding the lamp-socket forwards or backwards may improve performance. Unplug the fixture before making adjustments.

Installing a plug on the power cord

WARNING!

The fixture must be grounded (earthed).

The *Starflash III* may be delivered without a plug on the power cord. A 3-prong grounding-type plug must be installed. Following the manufacturer's instructions, connect the wires as follows.

1. Connect the BROWN wire to the LIVE pin.
2. Connect the BLUE wire to the NEUTRAL pin.
3. Connect the YELLOW/GREEN wire to the GROUND (EARTH) pin.

Connecting to AC power

IMPORTANT!

**Do not attempt to dim the *Starflash III*:
damage may occur to the electronic components.**

1. Check to make sure the fixture's operating voltage and frequency, listed on the serial number label on the rear panel, match the AC voltage and frequency.
2. Plug the power cable into the socket on the back of the fixture and an AC outlet.

*Note: Although the *Starflash III* cannot be dimmed, it may be switched on and off remotely using switch packs or the full on and full off levels on dimmer packs.*

Installing the mounting bracket

1. Align the holes in the mounting bracket with the holes in the sides of the *Starflash III*.
2. Place the spacers between the case and the bracket and insert a knob in each side.
3. Tilt the *Starflash III* in the desired direction.
4. Tighten the thumbscrews.

Operating modes

To operate the *Starflash III*, apply power and set the mode switch on the rear panel to the “lamp on” or “flash” position.

Lamp On

In “lamp on” mode, the lamp stays on; rotation is sound activated and changes occasionally. If there is no sound, reflector rotation stops after 5 seconds.

Flash

In “flash” mode, both the lamp and rotation are sound activated. If there is no sound, the lamp turns off after 5 seconds. There is no difference between the 2 “flash” positions.

section 3
BASIC SERVICE

WARNING!

Unplug the fixture and allow to cool before proceeding.

Replacing the fuse

1. Unplug the power cord from the fixture.
2. Place the tip of a screwdriver in the slot on top of the fuse holder, located in the power cord socket, and pry open the holder.
3. Replace the fuse with one of the same rating. The rating is shown on the serial number label.
4. Replace the fuse holder and reconnect the power cord.

Troubleshooting

problem	probable cause(s)	suggested remedy
No light and the fan does not run.	No power to the fixture.	• Check connections.
	Blown fuse.	• Replace fuse.
Fan runs but there is no light.	Sound too low to activate control circuit.	• Increase volume.
	Burned out lamp.	• Install new lamp.
	Fixture overheating.	• Allow to cool. • Improve air flow around the fixture.
Fuse blows repeatedly.	Electrical malfunction.	• Refer to service technician.

If the suggested remedies do not solve the problem, contact your Martin dealer for service.

appendix SPECIFICATIONS

Dimensions (with mounting bracket)

Length	277 mm (10.9 in)
Width	235 mm (9.25 in)
Height	218 mm (8.6 in)
Weight	3.5 kg (7.7 lb)

Electrical

Power consumption	325 W
Fuse, EU and UK models (220 - 240 V AC supply)	F2 A / 250 V
Fuse, US model (100 - 130 V AC supply)	F4 A / 250 V

Construction

Housing	steel, aluminum
Finish	electrostatic powder coating

Thermal

Surface temperature under normal conditions	75° C (167° F)
Maximum operating environment temperature	40° C (104° F)
Protection	thermo-switch

Accessories

Philips 6874P M38 halogen lamp (for UK model)	P/N 97000200
Osram 64514 DRA halogen lamp (for US model)	P/N 97000201
Osram 64516 halogen lamp (for EU model)	P/N 97000202
Martin DMX Switch Pack, 210-245 V	P/N 90758200
Martin DMX Switch Pack, 100-130 V	P/N 90758300



