

# ***Lynx 100***

## ***user manual***

section 1  
**INTRODUCTION** . . . . .

The *Lynx 100*, developed and manufactured by *Martin Professional*, is an aggressive disco lighting effect. Using a 100 Watt halogen lamp, this compact lighting effect uses a revolving parabolic reflector to create a burst of light beams, turning around each other and changing color. 13 dichroic colors, clear and even split colors are provided and the *Lynx 100* is totally self-contained, reacting in time with the music without the need for external control signals.

**THE LYNX 100 FEATURES**

- 100 W halogen lamp
- Color-changing rotating beams
- 13 dichroic colors and clear
- Color split effects
- Sound-activated beam rotation and color change
- Built-in microphone with automatic sensitivity adjustment
- Adjustable mounting bracket

section 2  
**SUGGESTIONS FOR SAFETY** . . . . .

- **Always isolate from mains supply when:**
  - \* Relamping
  - \* Refusing
  - \* Rewiring
  - \* Removing any of the covers
- **To reduce risk of fire or electrical shock do NOT expose to rain or moisture.**
- **Maximum room temperature,  $t_a = 45^\circ\text{C}$ .**
- **Minimum distance from flammable materials: 0.1 meter.**
- **Minimum distance to illuminated surface: 0.3 meter.**
- **Allow the unit to cool down for approx. 10 minutes before relamping.**
- **All service operations, except from those described in this manual, should be carried out by qualified service personnel only.**
- **Always ship/transport the unit in its original packaging-case.**

section 3  
**BASIC INSTALLATION** . . . . .

Before starting to operate the *Lynx 100* you must:

- Install the halogen lamp (not included)
- Fit a mains plug
- Fit the mounting bracket
- Rig the unit in its permanent location

The *Lynx 100* package comes complete with the following items:

- Lynx 100
- IEC mains cable
- Mounting bracket plus fittings
- User manual

**WARNING!**  
**Before attempting any of the following, ensure that the unit is isolated from the mains supply.**

**INSTALLING THE LAMP**

The *Lynx 100* uses the *12V/100W EFP* cold reflector halogen lamp. Follow the steps below in order to install it properly.

1. On the front of the unit you will see a square lid held in place with two Philips screws. Unscrew these and remove the lid, thus accessing the lamp socket and holder.
2. Carefully press the lamp into the socket and then insert it into the lamp holder.
3. Re-assemble the unit.

**FITTING THE MAINS PLUG**

The *Lynx 100* is delivered without a plug on the mains cable. You will have to fit a plug that conforms to your local mains outlet. The double insulated mains cable contains three wires.

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 EARTH pin.

**FITTING THE MOUNTING BRACKET**  
 Fit the supplied mounting bracket, using the plastic spacers, star washers and hand wheels. The star washer should be placed between the bracket and the plastic spacer.

**RIGGING THE UNIT**  
 You can now rig the unit by means of its mounting bracket.

**section 4**  
**OPERATING THE LYNX 100 . . . . .**

As soon as you apply power to the *Lynx 100* the lamp turns on. Music is picked up by a built-in microphone and a special electronic circuit - the Automatic Gain Control (AGC) - serves to adjust the gain when the average sound pressure alters.

This way, the entire burst of beams will rotate to the beat of the music. You will also see that the music activates color and gobo change.

**IMPORTANT!**

**The voltage applied to the halogen lamp in the Lynx 100 is provided by an electronic circuit and a transformer. For this reason, you should not attempt to dim the Lynx 100 by means of a dimmer pack or any similar equipment.**

**Otherwise, damage might occur to the unit.**

**However, it is legal to use the full on and full off levels on a dimmer pack as well as using a switch pack to remotely switch on and off the Lynx 100.**

**appendix A**  
**TECHNICAL SPECIFICATIONS . . . . .**

- Lamp: . . . . . 100W/12V halogen lamp (EFP)
- Dimensions incl. bracket (L x W x H): . . . . . 340 x 302 x 254 mm (13.4 x 11.9 x 10.0")
- Weight: . . . . . 7kg (15.6lb)
- Mains supply EU: . . . . . 230/245V , 50-60Hz
- Mains supply US: . . . . . 105/125V , 50-60Hz
- Current and power consumption: . . . . . 0.5A, 120W @ 230V ; 1.0A, 120W @ 125V
- Fuse EU: . . . . . T 1A
- Fuse US: . . . . . T 2A