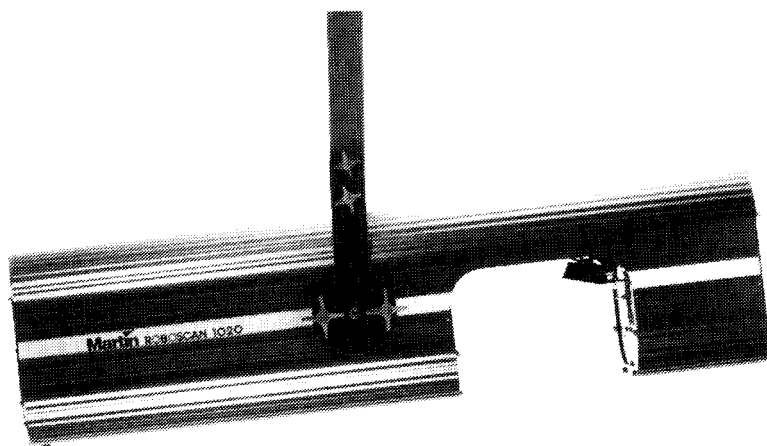


Roboscan 1020

users guide



Martin

ROBOSCAN 1020 USERS GUIDE

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INTRODUCTION

The Roboscan 1020 is a high performance, intelligent lighting projector which features:

- 1200 Watt MSR lamp.
- 2x9 dichroic colors plus white and black-out.
- Color mixing.
- 2x10 motorized gobos.
- Gobo mixing.
- Variable shutter speed control for strobe effects.
- 175 degree pan in 0.028 degree steps (6208 steps).
- 83 degree tilt in 0.056 degree steps (1472 steps).
- Variable pan and tilt speed control.
- Motorized focus.
- Motorized iris.
- Motorized dimmer.
- Multiplying prisms.
- Efficient fan cooling.
- Can be remotely controlled by the 2032 controller (16 pcs.).

HOW TO INSTALL THE ROBOSCAN 1020

- Turn the knurled screw and remove the access plate. Turn screw no. 1 (see diagram) one quarter turn and lift out the lamp-holder plate. Hold the lamp by the ceramic parts, taking care not to touch the glass parts. Push the lamp firmly into the lamp-holder, carefully replace the lamp-holder plate and tighten screw 1. Replace the access plate.
- Remove the transport fixture from the mirror.

IMPORTANT! Disconnect the Roboscan 1020 from the mains before installing the lamp.

OPERATING WITH A CONTROLLER

- Connect the Roboscan to the controller using the XLR cable which came with the controller.
- If you are only using one Roboscan insert the terminating plug which came with the controller into the unused XLR socket on the Roboscan.
- If you are using other lighting units with the controller they should be connected together with XLR/XLR cables. The order is not important - use an order which gives the easiest and shortest cable routing. The last unit on the link should be terminated with the terminating plug.
- Set the DIP switch on the Roboscan to the desired controller channel as shown on page 5.
- Switch the Roboscan(s) on before you switch on the controller. A short start-up and test routine will be performed (about half a minute).
- Switch on the controller and program your show!

LAMP ADJUSTMENT

■ The position of the lamp-holder is correctly adjusted at the factory but to insure optimum performance fine adjustment will be necessary when the projector is installed in its permanent site. Procedure is as follows:

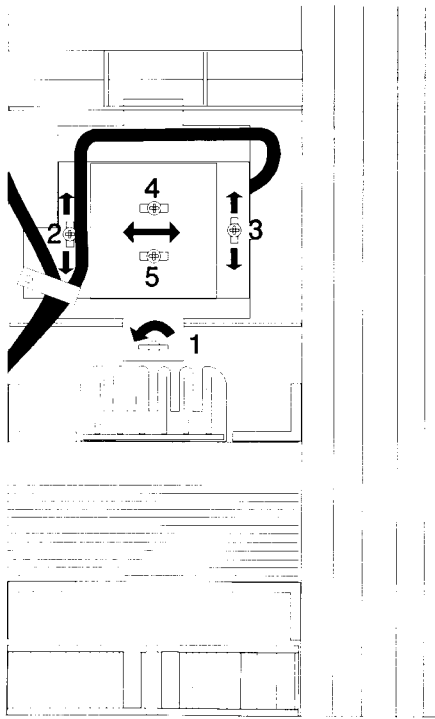
A. Point the beam at a flat surface. Using the controller set the Roboscan 1020 to produce a full power, full size white image (that is without gobos, filters and prisms and with iris fully open and the dimmer on 100%). Focus to produce as sharp an image as possible.

B. Loosen screws 2 & 3 (see diagram) and move the lamp forwards and backwards until the image is evenly illuminated. Tighten the screws.

C. Loosen screws 4 & 5 (see diagram) and move the lamp from side to side until the brightest part of the image is in the centre. Tighten the screws.

A correctly adjusted projector produces an evenly illuminated image with a sharp edge.

































N.B. If you switch off the lamp allow it to cool for at least 10 minutes before switching on again.

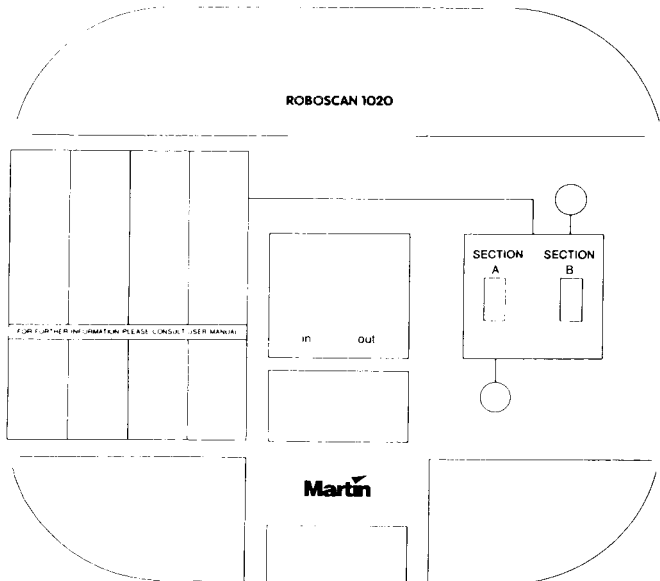


- 1: Lamp-holder retaining screw
- 2-3: Screws for forwards/backwards adjustment
- 4-5: Screws for sideways adjustment

DIP SWITCH SETTING TABLES

Address Settings for Roboscan 1020

Unit no.	Section A	Section B
1	 1	 2
2	 1,2	 3
3	 1,3	 2,3
4	 1,2,3	 4
5	 1,4	 2,4
6	 1,2,4	 3,4
7	 1,3,4	 2,3,4
8	 1,2,3,4	 5
9	 1,5	 2,5
10	 1,2,5	 3,5
11	 1,3,5	 2,3,5
12	 1,2,3,5	 4,5
13	 1,4,5	 2,4,5
14	 1,2,4,5	 3,4,5
15	 1,3,4,5	 2,3,4,5
16	 1,2,3,4,5	 6



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