ROBOSCAN 804/805
USERS GUIDE

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INTRODUCTION

The RoboScan 804/805 is a high-performance, intelligent spotlight which features :

■ High quality stepper motors
■ 4 dichroic colors, plus white
■ The RoboScan 804 has 8 manually selectable gobos
■ The RoboScan 805 has motorized gobos featuring 5 different patterns.
■ Precision optics
■ Adjustable focus
■ 180 degree pan and 90 degree tilt
■ 150 watt halogen lamp
■ Efficient fan cooling
■ Can be controlled by Martin 2501 (32 pcs.), 2308 (8 pcs.), 2032 (32 pcs.), 3032 (96 pcs.)
■ Can be controlled by DMX 512 via Martin Interface.
■ Can run without controller using built-in random-sequence programmes with and without music trig. (Stand alone)
■ Built-in microphone for music triggering.
■ Built-in variable speed control.

HOW TO INSTALL THE ROBOSCAN

■ Before opening the RoboScan 804/805 be sure to position the mirror as shown in   figure 1. Failure to do this can result in damage to the mirror.
■ Remove the 4 knurled screws as shown in figure 2 pull out the RoboScan 804/805 chassis, as shown in to figure 3. The lamp can now be installed. On the RoboScan 804 the desired gobo can be selected by turning the gobo wheel.
■ Check the mains voltage on the power supply board (see figure 4):
    USA/Canada 110 / 115 / 120V - 60 Hz.
    Europe   220 / 230 / 240V - 50 Hz.
■ If the lamp-life is shorter than expected you can set the voltage to a higher value. This reduces the voltage applied to the lamp.
■ Push the RoboScan 804/805 chassis back into place and tighten the screws.
■ Mount the RoboScan 804/805, without fully tightening the clamps.
■ Remove the transport fixture from the mirror.

OPERATING WITH A CONTROLLER

CONNECTING THE SERIAL TRANSMISSION LINK
- Connect the RoboScan 804/805, or the first unit in the link, to the controller, using the 10 metre XLR/XLR or XLR/Dsub cable which came with the controller.
- The cable supplied with the RoboScan is used to interconnect the units in the link. A standard balanced microphone cable can be used as an extension if necessary.
- The units should be connected together in an order which gives the minimum cable length. This order has no influence on the address as far as the controller is concerned.
- The termination plug which came with the controller is plugged into the unused XLR socket on the last unit on the link.

SETTING THE OPERATING ADDRESS OF EACH ROBOSCAN
- Set the DIP switch to the address number you want each RoboScan to use. Please refer to the Address Settings Table on page 6.

CAUTION
THE CONTROLLER MUST NOT BE SWITCHED ON UNTIL 2 MINUTES AFTER THE UNITS HAVE BEEN SWITCHED ON.

OPERATING WITHOUT A CONTROLLER (STAND ALONE)
- When operating the RoboScan 804/805 without a controller you have a choice of programmes. Please refer to the Sequence Settings Table on page 6.

DIP SWITCH SETTING TABLES
DIP switch settings for the Roboscan 804/805

Address settings for the Roboscan 804/805			
Unit no.		Unit no.	
1	1	17	1,5
2	2	18	2,5
3	1,2	19	1,2,5
4	3	20	3,5
5	1,3	21	1,3,5
6	2,3	22	2,3,5
7	1,2,3	23	1,2,3,5
8	4	24	4,5
9	1,4	25	1,4,5
10	2,4	26	2,4,5
11	1,2,4	27	1,2,4,5
12	3,4	28	3,4,5
13	1,3,4	29	1,3,4,5
14	2,3,4	30	2,3,4,5
15	1,2,3,4	31	1,2,3,4,5
16	5	32	6

Sequence settings for the Roboscan 804/805	
Description	
Test	All switches set to OFF position
Demo 1	2,6
Demo 1, with music trig	1,2,6
Demo 2	3,6
Demo 2, with music trig	1,3,6
Demo Random wide angle	2,3,6
Demo Random wide angle, with music trig	1,2,3,6
Demo Random narrow angle	4,6
Demo Random narrow angle, with music trig	1,4,6
Mechanical stop (For service use)	1,3,4,5,6
Adjustment (For service use)	3,4,5,6
Led chase (For service use)	2,4,5,6

This page shows the different address and sequence settings for the DIP switch on the Roboscan models 804/805.

The above settings refer to the pin(s) on the DIP switch which are set to the ON position.

The examples in figure 1 and figure 2, would be described above as; "1"(Unit no.1), and; "2,6"(Demo 1).
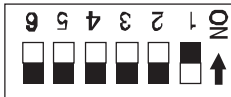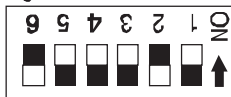
Fig 1

Fig 2

TECHNICAL SPECIFICATIONS

Roboscan 804/805	

Dimensions :
    Length
    Width
    Height
	
	560 mm
	130 mm
	110 mm

Weight:	8.0 Kg
Power consumption:	180 W
Lamp:	150 W HLX