ROBOSCAN 1016
USERS GUIDE

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INTRODUCTION

The RoboScan 1016 is a high-performance, intelligent projektor which features :

- High quality stepper motors
- 15 dichroic colors, plus white
- 16 different gobos
- Precision optics
- Adjustable focus
- 180 degree pan and 90 degree tilt
- Variable shutter speed control for strobe effects
- 400 watt HTI 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 using a 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

- Remove the 4 knurled screws and remove the casing. The lamp can now be installed.
- Check the mains voltage :
  USA/Canada 110 / 115 / 120V - 60 Hz.
  Europe 220 / 230 / 240V - 50 Hz.
- To give extended lamp-life the voltage can be set to a slightly higher value than the local mains voltage. This reduces the voltage applied to the lamp (and reduces the light intensity a little).
- Replace the casing and tighten the screws.
- Mount the RoboScan 1016, without fully tightening the clamps.
- Remove the transport fixture from the mirror.

OPERATING WITH A CONTROLLER

CONNECTING THE SERIAL TRANSMISSION LINK

- Connect the RoboScan 1016, or the first unit in the link, to the controller, using the 10 metre XLR cable which came with the controller.
- An XLR-XLR cable is used to interconnect Roboscans. This can be supplied by your local Martin dealer. A standard balanced microphone cable is also suitable.
- The Roboscans 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 1016 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 1016

Address settings for the Roboscan 1016			
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 1016	
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 model 1016.

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).

TECHNICAL SPECIFICATIONS

Roboscan 1016	
Dimensions : Length Width Height	 870 mm 190 mm 250 mm
Weight:	23.0 Kg
Power consumption:	550 W
Lamp:	Osram 400W HTI