

M SPOT 200 LED MOVING HEAD



User Manual

Ver1.0

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CAUTION !

Keep this device away from rain and moisture

Unplug mains lead before opening the housing

For your own safety, please read this user manual carefully before you initially start-up

Every person involved with installation, operation and maintenance of this fixture has to

- be qualified
- follow the instruction of this manual
- consider this manual to be part of the total product
- Keep this manual for the entire service life of the product
- pass this manual to every future owner or user of the product

INTRODUCTION

Thank you for choosing our fixture, if you follow up the instruction given in this manual we are sure that you will enjoy this product for a long period of time

SAFETY INSTRUCTION

CAUTION!

Be careful with your operations, With a dangerous voltage you can suffer a dangerous electric shock when touching the wires.

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instruction and warning notes written in this user manual.

Important: Damages caused by the disregard of this user manual are not subject to warranty, the dealer will not accept liability for any resulting defects or problems. If the device had been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature. Please make sure that there are no obvious transport damages, should you notice any damages on the AC connection cable or on the casing, do not take the device into operation and immediately consult your local dealer.

OPERATING DETERMINATIONS

This device is designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects. Do not shake the device. Avoid brute force when installing or operating the device. Never lift the fixture by holding it at the projector-head. As the mechanics may be damaged. When choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. There should not be any cable lying around. Please make sure that the fixture can not be touched or bumped. You endanger your own and the safety of

others.

DESCRIPTION OF THE DEVICE

Features

- > High power 200w white led
- > 50000 hours lifetime and lower power consumption
- > 17 DMX channel in optional
- > 540 degree PAN and 270 degree tilt movement
- > 1 Color wheel with 9 diachronic colors plus open
- > 1 static gobo wheel with 9 gobos plus open.
- > 1 rotated gobo wheel with 7 gobos plus open.
- > Rotated prism with speed adjustable and variable direction
- > Infinite electric focus with 2m range, and shutter with variable speed
- > 0~100% linear dimmer and 1-18 times/sec high speed electronic strobe
- > DMX512, master-slave and sound activated controllable and auto with 8 built-in programs

INSTALLATION

Rigging

The installation of the projector has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

IMPORTANT!OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and or damage to property. The projector had to be installed out of the reach of people

DANGER OF FIRE! When installing the device, make sure there is no highly-inflammable material(decoration articles, etc.)within a distance of min.0.5m.

DMX 512 connection/ connection between fixture

The wires must not come into contact with each other, otherwise the fixture will not work at all or properly. Please note the starting address depends upon which controller is being used. Only use a DMX cable and 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture to another

Occupation of the XLR-connection:

DMX-output
XLR mounting-socket:




DMX-input
XLR mounting-plug:



Connection with the mains.

The occupation of the connection-cables is as follows:

Cable	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	

The earth has to be connected. The device must only be connected with an electric installation carried out in compliance with IEC standards.

OPERATION

After you connected the effect to the mains, The fixture starts running

Stand Alone operation

In the stand alone mode, the fixture can be use without controller

Master/slave-operation

The master/slave-operation enables that several devices can be synchronized and controlled by one master-device

DMX controlled operation

You can control the projectors individually via your DMX-controller

Addressing

The control board allows you to assign the DMX starting address,

Note;it's necessary to insert the XLR termination plug (with 120ohm) in the last device in the link in order to ensure proper transmission on the DMX data link.

CONTROL BOARD

The control board offer several features :you can simple set the starting address, run the pre-programmed program or make a reset

the main menu is accessed by pressing the Mode/Esc-button, Browse through the submenu by pressing Up or Down .Press the Enter-button in order to select the desired menu. You can change the selection by pressing Up or Down, Confirm every selection by pressing the Enter-button. You can leave every mode by pressing the Mode/Esc-button .The functions provided are described in the following setting.

MENU MAP

The device has two operation modes, It can be operated in Stand Alone or in DMX controlled

SET (Setting)	Run Mode	DMX,Auto 1 ,Auto 2,Random ,Sound
	DMX-Address	001-512
	Channel Mode	17 CH
	Invert Pan	ON/OFF
	Invert Tilt	ON/OFF ,
	Pan-Tilt Swap	ON/OFF
	Pan-Tilt Encoder	ON/OFF
	No DMX Signal	KEEP/CLEAR
	Linear color	ON/OFF
	Load Default	OK/Cancel

Man(Manual)	Pan	0-255
	Pan Fine	0-255
	Tilt	0-255
	Tilt Fine	0-255
	P-T Speed	0-255
	Strobe	0-255
	Dimmer	0-255
	Color Wheel	0-255
	Gobo Wheel 1	0-255
	Gobo Wheel 2	0-255
	Gobo Wheel 2 Rotation	0-255
	Focus	0-255
	Zoom	0-255
	Prism	0-255
	Prism rotation	0-255
	Frost	0-255
	Reset	OK/Cancel
Sys (System)	VER.	
	Reset	
	Sensor Monitor	
	System Errors	
	DMX Monitor	

DMX-protocol

17 DMX channel mode

channel	value	function
1		Pan movement
	0-255	Pan movement
2		Pan Fine
	0-255	Pan fine movement
3		Tilt movement
	0-255	Tilt movement
4		Tilt Fine
	0-255	Tilt fine movement
5		Pan/Tilt Speed
	0-255	Pan/Tilt movement with decreasing speed
6		Shutter/Strobe
	0-3	Shutter close
	4-251	Strobe with increasing speed
	252-255	Shutter open

7		Dimmer
	0-255	0~100% linear dimmer
8		Color wheel
	0-4	White
	5-9	White+Red
	10-14	Red
	15-19	Red+Green
	20-24	Green
	25-29	Green+Blue
	30-34	Blue
	35-39	Blue+Orange
	40-44	Orange
	45-49	Orange+Purple
	50-54	Purple
	55-59	Purple+Yellow
	60-64	Yellow
	65-69	Yellow+Light Green
	70-74	Light Green
	75-79	Light Green+Light Blue
	80-84	Light Blue
	85-89	Light Blue+Pink
	90-94	Pink
	95-99	Pink+White
9	100-182	Clockwise color change with decreasing speed
	183-255	Anti-clockwise color change with increasing speed
		Gobo Wheel 1
	0-9	Open/White
	10-19	Gobo 1
	20-29	Gobo 2
	30-39	Gobo 3
	40-49	Gobo 4
	50-59	Gobo 5
	60-69	Gobo 6
	70-79	Gobo 7
	80-89	Gobo 8
	90-99	Gobo 9
	100-104	Gobo 1 shaking with increasing speed
	105-109	Gobo 2 shaking with increasing speed
	110-114	Gobo 3 shaking with increasing speed
	115-119	Gobo 4 shaking with increasing speed
	120-124	Gobo 5 shaking with increasing speed
	125-129	Gobo 6 shaking with increasing speed
	130-134	Gobo 7 shaking with increasing speed
	135-139	Gobo 8 shaking with increasing speed
	140-144	Gobo 9 shaking with increasing speed

	145	White light gobo shaking
	146-200	Anti-clockwise gobo change with decreasing speed
	201-255	Clockwise gobo change with increasing speed
10		Gobo Wheel 2
	0-9	White
	10-19	Gobo 1
	20-29	Gobo 2
	30-39	Gobo 3
	40-49	Gobo 4
	50-59	Gobo 5
	60-69	Gobo 6
	70-79	Gobo 7
	80-89	Gobo 1 shaking with increasing speed
	90-99	Gobo 2 shaking with increasing speed
	100-109	Gobo 3 shaking with increasing speed
	110-119	Gobo 4 shaking with increasing speed
	120-129	Gobo 5 shaking with increasing speed
	130-139	Gobo 6 shaking with increasing speed
	140-149	Gobo 7 shaking with increasing speed
	150-200	Anti-clockwise gobo change with decreasing speed
	201-255	Clockwise gobo change with increasing speed
11		Gobo Wheel 2 Rotation
	0-127	Gobo angle adjustment
	128-191	Clockwise gobo rotation with decreasing speed
	192-255	Anti-clockwise gobo rotation with increasing speed
12		Focus
	0-255	0~100% from far to near adjustment 0-100%
13		Zoom
	0-255	Zoom in/out
14		Prism
	0-127	No function
	128-255	3-face Prism effect
15		Prism rotation
	0-127	Prism angle adjustment
	128-190	Rotated prism with decreasing speed in anti-clockwise
	191-192	No function
	193-255	Rotated prism with increasing speed in clockwise
16		Frost
	0-127	No function
	128-255	Frost effect
17		Reset
	0-25	No function
	26-76	Reset for Gobo/color/prism/rotated gobo/rotated prism/focus/zoom/frost
	77-127	Reset for pan/tilt

	128-255	All reset
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TECHNICAL SPECIFICATIONS

Model	M SPOT 200 LED MOVING HEAD
Voltage	100V- 250V / 50/60Hz
Power consumption:	290W
LED	200w high power white led
Net Weight / Gross Weight	14.5Kgs / 16.8Kgs
Dimensions	44*41*54cm