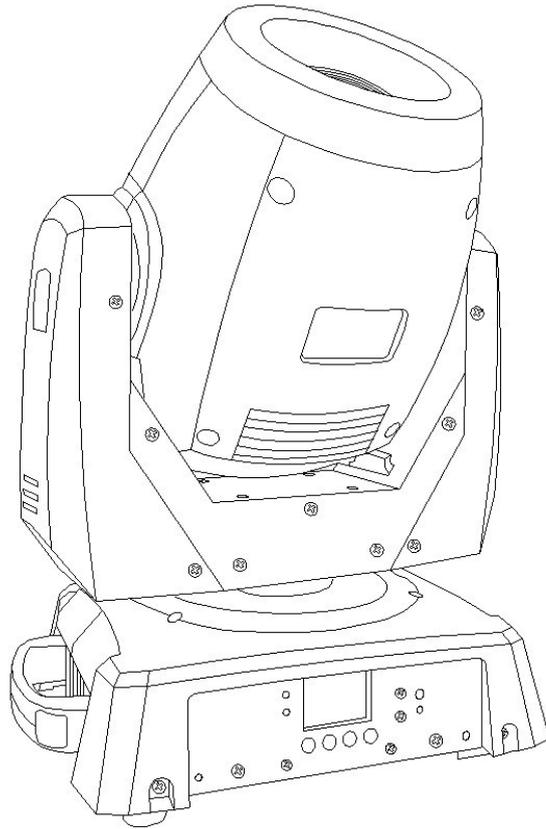


# M SPOT 200III



## User Manual

Ver1.0

# Table of contents

<b>INTRODUCTION .....</b>	<b>2</b>
<b>SAFETY INSTRUCTIONS.....</b>	<b>2</b>
<b>OPERATING DETERMINATIONS.....</b>	<b>3</b>
<b>DESCRIPTION OF THE DEVICE.....</b>	<b>4</b>
<b>INSTALLATION.....</b>	<b>5</b>
<b>OPERATION.....</b>	<b>6</b>
Stand alone operation.....	6
Master slave operation.....	6
DMX controlled operation.....	6
Addressing.....	6
Control board.....	6
DMX protocol.....	7
<b>TECHNICAL SPECIFICATIONS.....</b>	<b>7</b>

### **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 use of the product

## **INTRODUCTION**

Thank you for choosing our fixture, if you follow up the instruction given in this manual we be 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 o warranty, the dealer will not accept liability for any resulting defects of problem. 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 had 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 operation 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. Your 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
- > 14 DMX channel in optional
- > Beam angle:12 degree
- > 94600lux at 1m
- > 540 degree PAN and 270 degree tilt movement
- > 1 Color wheel with 8 diachronic colors plus open,split colors,rainbow effect
- > 1 Rotated gobo wheel with 7 rotated gobos plus open,gobo shaking
- > Rotated 3 facet prism with speed adjustable and variable direction
- > 0~100% linear dimmer and 1-20 times/sec high speed electronic strobe
- > DMX512, master-slave and sound activated controllable and auto with 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.

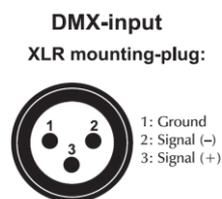
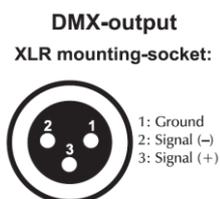
**IMPORTANT!OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE**, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but instead 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:



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

<b>SET</b>	Run Mode	DMX ,Auto 1 /Auto 2,Random ,Sound
	DMX address	Setting DMX address from 001-512
	Channel mode	Select 14 DMX channel
	Invert Pan	ON/OFF
	Invert Tilt	ON/OFF
	Pan-Tilt swap	ON/OFF
	Pan-Tilt encoder	ON/OFF
	DMX signal DMX	CLEAR/KEEP
	Linear color	ON/OFF

	Load Default	CANCEL /OK
<b>Man</b>	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	0-255
	Gobo	0-255
	Gobo Rotation	0-255
	Focus	0-255
	Prism	0-255
	Prism Rotation	0-255
	Reset	Cancel/OK
<b>Sys</b>	VER.	
	Reset	
	Sensor Monitor	
	System Errors	
	DMX Monitor	

## DMX-protocol

### 14 DMX channel mode

channel	value	function
1		<b>Pan movement</b>
	0-255	Pan movement
2		<b>Pan Fine</b>
	0-255	Pan fine movement
3		<b>Tilt movement</b>
	0-255	Tilt movement
4		<b>Tilt Fine</b>
	0-255	Tilt fine movement
5		<b>Pan Tilt speed</b>
	0-255	Pan/Tilt movement with decreasing speed
6		<b>Shutter/Strobe</b>
	0-3	Shutter close

	4-251	Strobe with increasing speed
	252-255	Shutter open
7		<b>Dimmer</b>
	0-4	No function
	5-255	0~100% linear dimmer
8		<b>Color wheel</b>
	0-4	White
	5-9	White+Red
	10-14	Red
	15-19	Red+Orange
	20-24	Orange
	25-29	Orange +Green
	30-34	Green
	35-39	Green+Light Blue
	40-44	Light Blue
	45-49	Light Blue+Purple
	50-54	Purple
	55-59	Purple+Yellow
	60-64	Yellow
	65-69	Yellow+ Blue
	70-74	Blue
	75-79	Blue+Pink
	80-84	Pink
	85-89	Pink+White
90-172	Anti-clockwise color change with decreasing speed	
173-255	Clockwise color change with increasing speed	
9		<b>Gobo Wheel</b>
	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 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	

10		<b>Rotated Gobo</b>
	0-127	Gobo angle adjustment slow down speed
	128-191	Rotated gobo with decreasing speed in anti-clockwise
	192-255	Rotated gobo with increasing speed in clockwise
11		<b>Focus</b>
	0-255	0~100% from far to near adjustment
12		<b>Prism</b>
	0-127	No function
	128-255	Prism effect
13		<b>Rotated prism</b>
	0-127	Prism angle adjustment slow down speed
	128-192	Rotated prism with decreasing speed in anti-clockwise
	193-255	Rotated prism with increasing speed in clockwise
14		<b>Rest</b>
	0-20	No function
	21-129	Built-in Program
	130-160	Reset for Gobo/Gobo rotated/color/prism/rotated prism/focus
	161-199	Reset for pan/tilt
	200-250	All reset
	251-255	No function

## TECHNICAL SPECIFICATIONS

Model	M SPOT 200III
Voltage	100V- 240V AC 50/60Hz
Power consumption:	290W
LED	200w high power white led
Net Weight / Gross Weight	10.45g / 11.55Kgs
Fixture dimensions	55.5x44.5x31.5cm