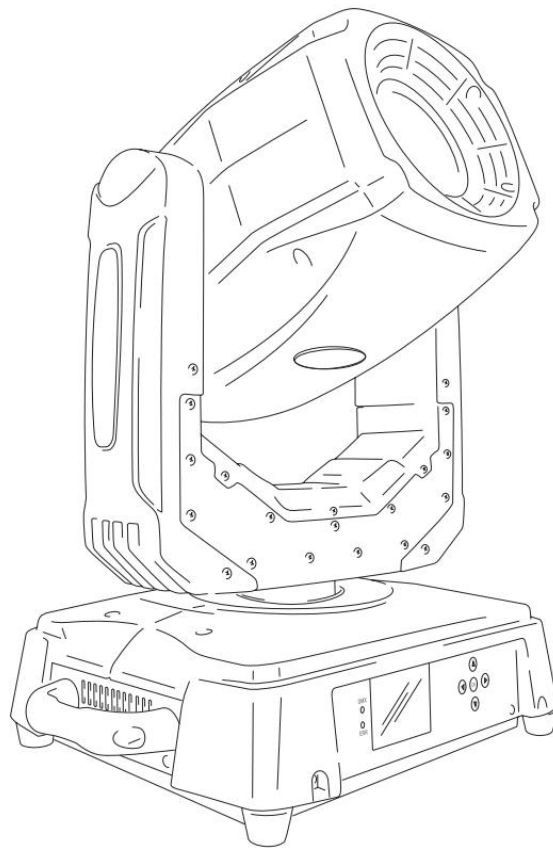


M SPOT 200



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 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
- > 18 DMX channel in optional
- > Beam angle 14/24 degree
- > 540 degree Pan and 270 degree Tilt movement
- > 1 Color wheel with 7 diachronic colors plus white
- > 1 Rotated gobo wheel with 7 rotated interchangeable gobos plus open.
- > 1 Fixed gobo wheel with 9 gobos plus open
- > Rotated prism and Rotated shadow prism effect
- > Zoom and Iris effect
- > Infinite electric focus with 2m range, and linear Iris, 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 has 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
		Auto 3
		Auto 4
		XY effect 1
		XY effect 2
		XY effect 3
		XY effect 4
		Random effect
		Sound
	Sound Sensitivity	001-100
	DMX-Address	001-512

	Channel Mode	18CH
	Invert Pan	ON/OFF
	Invert Tilt	ON/OFF
	Pan-Tilt Swap	ON/OFF
	Pan-Tilt Encoder	ON/OFF
	No DMX Signal	KEEP/CLEAR
	Display Power Save	ON/OFF
	Linear change of color wheel	ON/OFF
	Load Default	OK/Cancel
Manual	Pan	0-255
	Pan Fine	0-255
	Tilt	0-255
	Tilt Fine	0-255
	Pan/Tilt	0-255
	Shutter / Strobe	0-255
	Dimmer	0-255
	Color Wheel	0-255
	Gobo Wheel	0-255
	Effect Gobo Change	0-255
	Effect Gobo Rotation	0-255
	Prism	0-255
	Prism rotation	0-255
	Zoom In	0-255
	Focus	0-255
	Iris	0-255
	Reset	OK/Cancel
	Macro Function	0-255
Sys (System)	VER.	
	Show Temperature	
	DMX Monitor	
	System Errors	
	Total Fixture Hours	
	Partial Fixture Hours	
	Total Lamp Hours	
	Partial Lamp Hours	
Advance	Input Password	

DMX-protocol

18 DMX channel mode

channel	value	function
1	0-255	Pan movement Pan movement
2		Pan Fine

	0-255	Pan fine movement
3	0-255	Tilt movement Tilt movement
4	0-255	Tilt Fine Tilt fine movement
5	0-255	Pan/Tilt Speed Pan/Tilt movement with decreasing speed
6	0-3 4-251 252-255	Shutter/Strobe Shutter close Strobe with increasing speed Shutter open
7	0-255	Dimmer 0~100% linear dimmer
8	0-9 10-19 20-29 30-39 40-49 50-59 60-69 70-79 80-89 90-99 100-109 110-119 120-129 130-139 140-149 150-159 160-199 200-255	Color wheel White Red Orange Green Purple Yellow Blue Pink White+Red Red+Orange Orange+Green Green+Purple Purple+Yellow Yellow+Blue Blue+Pink Pink+White Anti-clockwise rainbow effect with decreasing speed Clockwise rainbow effect with increasing speed
9	0-7 8-15 16-23 24-31 32-39 40-47 48-55 56-63 64-71 72-79 80-129 130-134 135-210	Gobo Wheel Open/White Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 8 Gobo 9 Anti-clockwise gobo change with decreasing speed White Clockwise gobo change with increasing speed

	211-215 216-220 221-225 226-230 231-235 236-240 241-245 246-250 251-255	Gobo 1 shaking Gobo 2 shaking Gobo 3 shaking Gobo 4 shaking Gobo 5 shaking Gobo 6 shaking Gobo 7 shaking Gobo 8 shaking Gobo 9 shaking
10	0-7 8-15 16-23 24-31 32-39 40-47 48-55 56-63 64-127 128-132 133-220 221-225 226-230 231-235 236-240 241-245 246-250 251-255	Effect Gobo Change White Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Anti-clockwise gobo change with decreasing speed White Clockwise gobo change with increasing speed Gobo 1 shaking Gobo 2 shaking Gobo 3 shaking Gobo 4 shaking Gobo 5 shaking Gobo 6 shaking Gobo 7 shaking
11	0-127 128-191 192-255	Effect Gobo Rotation Gobo angle adjustment Anti-clockwise gobo rotation with decreasing speed Clockwise gobo rotation with increasing speed
12	0 1-127 128-255	Prism No function Shadom 3-face Prism effect 3-face Prism effect
13	0-127 128-190 191-192 193-255	Prism rotation Prism angle adjustment Rotated prism with decreasing speed in anti-clockwise No function Rotated prism with increasing speed in clockwise
14	0-255	Zoom In Zoom in/out
15	0-255	Focus 0~100% from far to near adjustment
16		Iris

	0-150 151-250 251-255	Iris narrowing Iris in and out with increasing speed Iris off
17	0-25 26-76 77-127 128-240 241-255	Reset No function Reset for Gobo/color/prism/rotated gobo/rotated prism/ focus/zoom/iris Reset for X/Y All reset No function
18	0-15 16-55 56-95 96-135 136-175 176-215 216-240 241-255	Macro function No function Automatic movement 1 Automatic movement 2 Automatic movement 3 Automatic movement 4 Sound-active movement Random effect No function

TECHNICAL SPECIFICATIONS

Model	M SPOT 200
Voltage	110V- 250V / 50-60Hz
Power consumption:	300W
LED	200w high power white led
Net Weight	16.95Kgs
Dimensions	57cmx43cmx31cm