INVoLIGHT

Bedienungsanleitung

User manual

MH5R Beam

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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

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.

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.

Never remove the serial barcode from the device as this would make the guarantee void. If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock, crash etc.

DESCRIPTION OF THE DEVICE

Features

> Fit with 5R lamp

> 16 DMX channels in optional

> Static gobo wheel comes 17 gobos with blank

> Color wheel comes 14 colors with white

> Strobe effect with 1-10 flashes per second

> Color change with rainbow effect ,Gobo shaking effect

> Frost effect, Pan/Tilt fine, lamp on/off via DMX control

> Prism rotation and effect movement

> DMX-controlled operation or stand-alone operation with Master/Slave function

> Sound-controlled via built-in microphone

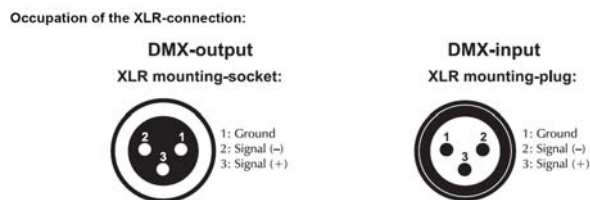**>** Addressing via control panel

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:
1: Ground
2: Signal (–)
3: Signal (+)

DMX-input
XLR mounting-plug:
1: Ground
2: Signal (–)
3: Signal (+)

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.

DMX Address	1-512		Press Enter to edit the DMX address, First press to select the third number of DMX address, second press to select the second number of DMX address, third press to select the first number of DMX address
Setting	Mode		Standard mode/extend mode
	Model number		Model number select
	PAN reverse		Yes/no
	Tilt reverse		Yes/no
	PAN/TILT exchange		Yes/no
	Dimmer reverse		Yes/no
	Iris reverse		Yes/no
	Effect rotated distance		Yes/no
	DMX reset		Yes/no
Display	Language		English
	Display brightness		0-32
	Back bright setting		All on/delay darkness/ off with no function
Menu control	From CH1-CH16		001-255
Test mode	Sound mode		
	Auto mode		

Factory setting	Back to factory setting	Yes/no
Reset	All rest	Yes/no

DMX-protocol

Channel	Value	Function
1	0-255	**PAN** Pan movement
2	0-255	**TILT** Tilt movement
3	0-255	**PAN FINE** Pan fine movement
4	0-255	**TILT FINE** Tilt fine movement
5	0-255	**FROST** Frost effect
6	0-255	**PAN TILT SPEED** Pan Tilt speed adjustment
7	0 1-50 51-240 241-255	**STROBE** No function White Strobe with increasing speed No function
8	0-255	**Shutter** Shutter open
9	0-7 8-15 16-23 24-31 32-39 40-47 48-55 56-63 64-71 72-79 80-87 88-95 96-103 104-111 112-127 128-191 192-255	**Color wheel** White Red Yellow Light blue Green Light purple Pink Yellow green Deep purple Blue Deep yellow Brown Cold white UV Color change clockwise Color change anti-clockwise
10	0-127 128-255	**Color select** No function Select color in requested position
11	0-6 7-13	**Gobo wheel** White Gobo 1

	14-20	Gobo 2
	21-27	Gobo 3
	28-34	Gobo 4
	35-41	Gobo 5
	42-48	Gobo 6
	49-55	Gobo 7
	56-62	Gobo 8
	63-69	Gobo 9
	70-76	Gobo 10
	77-83	Gobo 11
	84-90	Gobo 12
	91-97	Gobo 13
	98-104	Gobo 14
	105-111	Gobo 15
	112-118	Gobo 16
	119-127	Gobo 17
	128-191	Gobo change in clockwise
	192-255	Gobo change in anti-clockwise
12	0 1-191 192-255	**Gobo shaking** No function Gobo shaking from slowly to fast No function
13	0-255	**Focus** Focus from near to far
14	0-31 32-255	**Prism** No function Prism effect
15	0 1-127 128-255	**Prism rotated** No function Prism rotation Prism rotation with increasing speed
16	0-99 100-105 106-199 200-205 206-255	**Lamp on/off, Reset** No function Lamp off No function Lamp on Reset after 5 seconds

TECHNICIAL SPECIFICATIONS

Model	MH5R Beam
Lamp	5R Platinum lamp
Voltage	230v 50Hz
Power consumption:	300W
Size and Weight	44 ×41×54cm(L×W×H) 16kg

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