

INVOLIGHT

Bedienungsanleitung

User manual

MH5R Beam



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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 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.

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

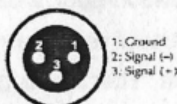
DANGER OF FIRE! When installing the device, make sure there is no highly-inflammable material(decoration articles, etc.)within a distance of min.0.5m.

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:



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.

Setting	Run Mode	DMX , Auto 1 /Auto 2 Auto 3 /Auto 4 Random /Sound F-sleep8/F-stand8/Forward0/DrawUp8
	DMX address	Setting DMX address from 001-512
	Channel mode	Select 16 DMX channel
	Invert Pan	ON/OFF
	Invert Tilt	ON/OFF
	Pan- Tilt exchange	ON/OFF
	Pan- Tilt Encoder	ON/OFF
	No DMX signal	CLEAR/KEEP
	Display	ON/OFF
	Lamp on @ startup	ON/OFF
	Color wheel Change	ON/OFF
	Load Default	OK/CANCEL

Manual	Pan	0-255
	Tilt	0-255
	Pan Fine	0-255
	Tilt Fine	0-255
	Pan-Tilt Time	0-255
	Frost	0-255
	Stop / Strobe	0-255
	Dimmer	0-255
	Color Wheel	0-255
	Color effect	0-255
	Gobo change	0-255
	Gobo effect	0-255
	Focus	0-255
	Prism Insertion	0-255
	Prism Rotation	0-255
	Lamp Control & Reset	ON/OFF/Reset
System	VER	
	DMX Monitor	
	System Errors	
	Total Fixture Hours	
	Partial Fixture Hours	
	Total Lamp Hours	
	Partial Fixture Hours	
Advance	Input Password	

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	Pan -Tilt speed Pan Tilt speed adjustment
6	0-127 128-255	Frost No function Frost effect
7	0 1-50	Strobe No function

	51-240 241-255	Open Strobe with increasing speed Open
8	0-255	Dimmer 0-100% dimmer
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 Green blue Light yellow Pink Yellow green Blue green Deep yellow Brown Fluorescence Light blue purple Cold white Brown yellow Purple red Color change anti-clockwise with increasing speed Color change clockwise with increasing speed
10	0-127 128-255	Color select No function Select color in requested position
11	0-6 7-13 14-20 21-27 28-34 35-41 42-48 49-55 56-62 63-69 70-76 77-83 84-90 91-97 98-104 105-111 112-118 119-125 126-127 128-191	Gobo wheel White Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 8 Gobo 9 Gobo 10 Gobo 11 Gobo 12 Gobo 13 Gobo 14 Gobo 15 Gobo 16 Gobo 17 White Gobo change in anti-clockwise with increasing speed

	192-255	Gobo change in clockwise with increasing speed
12	0 1-191 192-255	Gobo shaking No function Gobo shaking from slowly to fast No function
13	0-255	Focus 0~100% Focus from far to near adjustment
14	0-31 32-255	Prism No function Prism effect
15	0 1-127 128-191 192-255	Prism rotated No function Rotated prism with decreasing speed in anti-clockwise Rotated prism with increasing speed in clockwise Prism rotation with increasing speed
16	0-99 100-105 106-199 200-205 206-249 250-255	Lamp on/off, Reset No function Lamp off No function Lamp on No function Reset

TECHNICAL SPECIFICATIONS

Model	MH5R Beam
Lamp	5R Platinum lamp
Voltage	230v 50Hz
Power consumption:	300W
Size and Weight	44 x41x54cm(LxWxH) 16kg



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