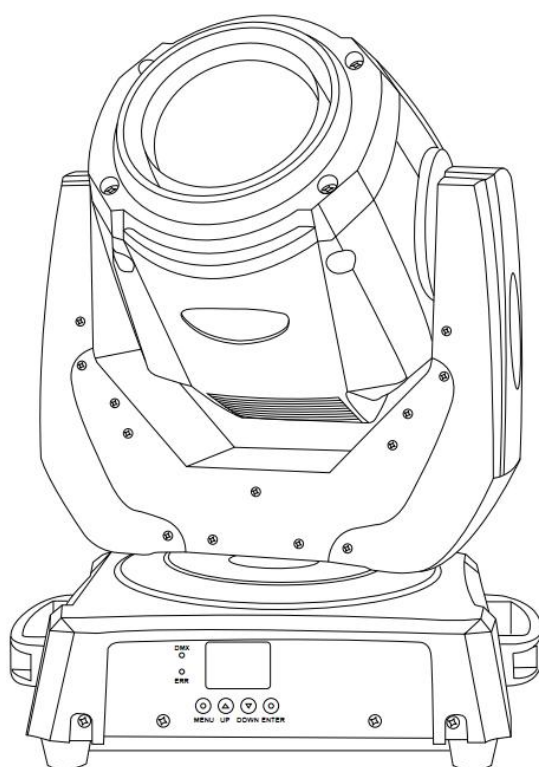


# M BEAM 2R MOVING HEAD



## 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 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.

## **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 2R lamp
- > 50000 hours lifetime and lower power consumption
- > 15 or 19 DMX channel in optional
- > Beam angle 4 degree,
- > 540/630 degree PAN and 270 degree tilt movement

- > 1 Color wheel with 8 diachronic colors plus open
- > 1 Gobo wheel with 8 gobos plus open.
- > Rotated 3 facet 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.

**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

### MENU MAP

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

<b>Mode</b>	DMX Auto 1 /Auto 2 Auto 3 /Auto 4 XY effect 1/ XY effect 2 / XY effect 3 /XY effect 4 Random effect /Sound
<b>DMX address</b>	Setting DMX address from 001-512
<b>Channel mode</b>	Select 14 or 18 DMX channel
<b>X reverse</b>	ON/OFF
<b>Y reverse</b>	ON/OFF
<b>XY exchange</b>	ON/OFF
<b>XY encoder</b>	ON/OFF
<b>Screen mode</b>	ON display no light after 30 seconds OFF display light always on
<b>Version</b>	Software version/DMX channel/run time/Total use time
<b>Reset</b>	ON/OFF

### DMX-protocol

#### 15/19 DMX channel mode

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

	4-251 252-255	Strobe with increasing speed Shutter open
7	0-255	<b>Dimmer</b> 0~100% linear dimmer
8	0 1-10 11-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 91-100 101-110 111-120 121-130 131-140 141-255	<b>Color Wheel</b> White Color 1 Color 2 Color 3 Color 4 Color 5 Color 6 Color 7 Color 8 Color 9 Color 10 Color 11 Color 12 Color 13 White Rainbow effect
9	0-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-74 75-130 131-185 186-190 191-195 196-200 201-205 206-210 211-215 216-220	<b>Gobo Wheel</b> Open/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 change in clockwise from fast to slowly Gobo change in anti-clockwise from slowly to fast Gobo 1 shaking Gobo 2 shaking Gobo 3 shaking Gobo 4 shaking Gobo 5 shaking Gobo 6 shaking Gobo 7 shaking

	221-225 226-230 231-235 236-240 241-245 246-250 251-255	Gobo 8 shaking Gobo 9 shaking Gobo 10 shaking Gobo 11 shaking Gobo 12 shaking Gobo 13 shaking Gobo 14 shaking
10	0-255	<b>Focus</b> 0~100% from far to near adjustment
11	0-127 128-255	<b>Prism</b> No function Prism effect
12	0-63 64-127 128-191 192-255	<b>Rotated prism</b> Prism angle adjustment slowdown speed Rotated prism with increasing speed in anti-clockwise Rotated prism with increasing speed in clockwise Rotated prism shake with double direction in increasing speed
13	0-50 51-100 101-150 151-255	<b>Macro function</b> No function Built-in Program 1 Built-in Program 2 Built-in Program 3
14	0-255	<b>Frost</b> Frost effect
15	0-25 26-76 77-127 128-255	<b>Rest</b> No function Reset for Gobo/color/prism/rotated gobo/rotated prism/focus/ Rest for X/Y All rest
16	0-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69	<b>Color wheel effect</b> White White+Red Red Red+Light blue Light blue Light blue+dark blue Dark blue Dark blue +yellow Yellow Yellow+CTO CTO CTO+purple Purple Purple+green

	70-74	Green
	75-79	Green+pink
	80-89	Pink
	85-89	Pink+Orange
	90-94	Orange
	95-99	Orange+light yellow
	100-104	Light yellow
	105-109	Light yellow+light green
	110-114	Light green
	115-119	Light green+CTB
	120-124	CTB
	125-129	CTB+dark red
	130-134	Dark red
	135-139	Dark red+white
	140-144	White
	145-152	Red
	153-160	Light Blue
	161-168	Dark blue
	169-176	Yellow
	177-184	CTB
	185-192	Purple
	193-200	Green
	201-208	Pink
	209-216	Orange
	217-224	Light yellow
	225-232	Light green
	233-240	CTO
	241-248	Dark red
	249-255	White
17	0-255	<b>Color wheel Speed</b> Color wheel in decreasing speed
18	0-255	<b>Dimmer/Prism Speed</b> Dimmer/Prism in decreasing speed
19	0-255	<b>Gobo wheel Speed</b> Gobo wheel in decreasing speed

## TECHNICAL SPECIFICATIONS

Model	M Beam 2R MOVING HEAD
Voltage	110V- 250V / 50-60Hz
Power consumption:	300w
LED	2R high power lamp
Net Weight / Gross Weight	11.5Kgs/13kg
Fixture dimensions	33x24x36cm