

# PROBEAM2R

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132W 2R BEAM MOVING HEAD



## User Manual

Thank you for your patronage. We are confident that our excellent products and service can satisfy you. For your own safety, please read this user manual carefully before installing the device.

In order to install, operate, and maintain the lighting safety correctly. We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.



**CAUTION!**

Keep this device away from rain and moisture!



**CAUTION!**

Unplug mains lead before opening the housing.

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow carefully the instructions of this manual

## **INTRODUCTION:**

Thank you for having chosen this professional moving head.

You will see you have acquired a powerful and versatile device.

Unpack the device. Inside the carton box you should find:

1. One power cable
2. One DMX cable
3. Two omega clamps
4. One user manual

(Flight case, Safety cable and Clamps are optional, please contact your dealer)

Please check carefully that there is no damage caused by transportation. Should there be any, please consult your dealer and don't install this device.

## **SAFETY INSTRUCTIONS**



**CAUTION!**

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in 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 instructions and warning notes written in this user manual.

1. In order to guarantee the product's life, please don't put it in the damp places or even the environment over 60degrees.
2. Always mount this unit in safe and stable matter.

The qualified professionals are allowed to carry out the lamp installation, operation and maintenance, but they must guarantee to operate in strict accordance with the

instructions referred to.

3. Using lamp, the change rate of power voltage should be within  $\pm 10\%$ , if the voltage is too high, it will shorten the light's life; if it's not enough, the lamp will be dark.

4. Please restart it after turning off light for 20 minutes until full-cooling. Frequent switching will reduce the life span of lamps and bulbs; intermittent using will improve the life of bulbs and lamps.

**▲ Important:**

**Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.**

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperatures.

This device falls under protection-class I . Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

Make sure that the available voltage is not higher than stated at the end of this manual.


Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.


Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

	<b>CAUTION!</b> Never touch the device during operation! The housing may heat up!
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	<b>CAUTION!</b> Never look directly into the light source, As sensitive persons may suffer an epileptic shock.
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## CLEANING AND MAINTENANCE

1. To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
2. Do not spill water or other liquids into or on to your unit.
3. During long periods of non-use, disconnect the unit's main power.
4. It should be installed in a well-ventilated place, at a distance of 50 centimeters or more with the walls. At the same time, please check if the fan and ventilation holes are unobstructed.

The following points have to be considered during the inspection

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing, color lenses. Fixations and installations spots(ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



**CAUTION!**

Disconnect from mains before starting maintenance operation!

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) To make sure the smooth gobo rotation, we suggest adding proper lube to the wheel each three month, avoiding the excessive lube splashes during the gobo rotating,
- 4) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint-free cloth. Never use alcohol or solvents.

There are no serviceable parts inside the device except for the lamp. Please refer to the instructions under "Installation instructions".

Should you need any spare parts, please order genuine parts from your local dealer.

## **TECHNICAL PARAMETERS**

## **POWER SUPPLIE**

Input power:110-240V 50/60 Hz

## **LAMP SOURCE**

Discharge lamp with a short arc burner in a reflector system

- Type: MSD R2 132W
- Output Lamp power: 160W
- Color temperature: 8,300 K
- Average life: 6,000 h

## **OPTICS**

3-lens optical group combination

Focus: electronic

## **COLOR SYSTEM**

Interchangeable color wheel with 12 colors + open

## **EFFECTS SECTION**

Interchangeable gobo wheel with 14 fixed gobos + open

High speed shake effect

8-face rotating prism

Frost filter

Mechanical shutter and adjustable speed strobe effect

Mechanical dimmer

## **CONTROL AND PROGRAMMING**

14 DMX 512 control channels

LCD display

Pan/Tilt Resolution: 16 bit

Movement control: vectorial

DMX signal connection: 3 PIN/5 PIN

## **BODY**

Aluminium structure with die-cast plastic cover.

Two side handles for transportation.

Device locking PAN and TILT mechanisms for transportation and maintenance.

## **MOVING BODY**

Travel: -PAN = 540°

-TILT = 250°

## **LCD TOUCH SCREEN DISPLAY MENU**

1 Address	DMX Address =001	
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2 Work mode	DMX Ctrl	DMX Address =001	
	Auto run		
	Sound Ctrl		
	M/S choose	. =off . =on	
	Lamp switch	. =off . =on	
	Language	中文 English	
3 Display	Screen saver	Mode 1 Mode 2 off	
	Screen Rotation	. =off . =on	
	Beep	. =off . =on	
	Pan		
	Tilt		
4 Test	focus		
	Color		
	GoBo		
	Prism		
	frost		
	strobe		

	Pan Invert	on
		off

5 Advance	Tilt Invert	on
		off
	Pan Angle	540°
		630°
	Pan offset	0-150
	Tilt offset	4-48
	Light on	sure
		no
6 status	Factory set	sure
		on
	Work Mode	
	Address	
	Version	
	Elapse	
	Tatol	
	DMX Ctr	sure
	on	
Sys Rst		sure
		on

## DMX Channel

Channel	Name	DMX Value	Function
CH1	X	0~255	
CH2	Y	0~255	
CH2	X Fine	0~255	
CH4	Y Fine	0~255	
CH5	X/Y Speed	0~255	XY Speed from Max to Min
CH6	Strobe	0~3	Strobe (Close)
		4~103	Strobe effect slow to fast
		104~107	Strobe (Open)
		108~207	Strobe Pulse slow to fast
		208~212	Strobe (Open)
		213~225	Random slow strobe
		226~138	Stochastic medium speed strobe
		239~251	Random fast strobe
	252~255	Strobe (Open)	
CH7	Dimmer	0~255	0 ~ 100% Dimmer
CH8	COLOR	0~4	White

		5~9	COLOR1
		10~14	White+COLOR1
		15~19	COLOR2
		20~24	COLOR1 + COLOR2
		25~29	COLOR3
		30~34	COLOR2 + COLOR3
		35~39	COLOR4
		40~44	COLOR3 + COLOR4
		45~49	COLOR5
		50~54	COLOR4 + COLOR5
		55~59	COLOR6
		60~64	COLOR5 + COLOR6
		65~69	COLOR7
		70~74	COLOR6 + COLOR7
		75~79	COLOR8
		80~84	COLOR7 + COLOR8
		85~89	COLOR9
		90~94	COLOR8 + COLOR9
		95~99	COLOR10
		100~104	COLOR9 + COLOR10
		105~109	COLOR11
		110~114	COLOR10 + COLOR11
		115~119	COLOR12
		120~124	COLOR11 + COLOR12
		125~127	COLOR12 + White
		128~191	Forward rainbow effect fast
		192~255	Backward rainbow effect slow
CH9	GOBO	0~4	White
		5~9	GOBO 1
		10~14	GOBO 2
		15~19	GOBO 3
		20~24	GOBO 4
		25~29	GOBO 5
		30~34	GOBO 6
		35~39	GOBO 7
		40~44	GOBO 8
		45~49	GOBO 9
		50~54	GOBO 10
		55~59	GOBO 11
		60~64	GOBO 12
		65~69	GOBO 13
70~74	GOBO 14		



		75~124	Forward rainbow from fast to slow
		125~129	White
		130~179	Backward rainbow from slow to fast
		180~184	Shaking white from slow to fast
		185~189	Shaking GoBo 1 from slow to fast
		190~194	Shaking GoBo 2 from slow to fast
		195~199	Shaking GoBo 3 from slow to fast
		200~204	Shaking GoBo 4 from slow to fast
		205~209	Shaking GoBo 5 from slow to fast
		210~214	Shaking GoBo 6 from slow to fast
		215~219	Shaking GoBo 7 from slow to fast
		220~224	Shaking GoBo 8 from slow to fast
		225~229	Shaking GoBo 9 from slow to fast
		230~234	Shaking GoBo 10 from slow to fast
		235~239	Shaking GoBo 11 from slow to fast
		240~244	Shaking GoBo 12 from slow to fast
		245~249	Shaking GoBo 13 from slow to fast
		250~255	Shaking GoBo 14 from slow to fast
CH10	Prism	0~127	Prism (close)
		128~255	Prism (Open)
CH11	Prism rotation	0~20	No function
		21~41	No function
		42~62	No function
		63~83	No function
		84~104	No function
		105~127	No function
		128~190	Forward rainbow from fast to slow
		191~192	stop
		193~255	Backward rainbow from slow to fastw
CH12	Focus	0~255	
CH13	Frost	0~255	0~100%frost
CH14	Lamp/Rest	0~49	No function
		50~89	Rest (activated after 3 secs)
		90~149	No function
		150~189	Lamp on (activated after 3 secs)
		190~199	No function
		200~239	Lamp off (activated after 3 secs)
		240~255	No function

## **REMARK**

The product has perfect performance and integrity packing. All users should be strictly comply with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company's warranty. Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.