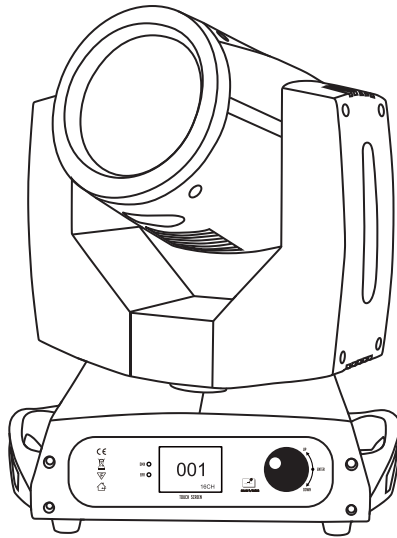


# PROBEAM7R

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7R 230W Beam Moving Head



## User Manual

This manual contains important information.  
Please read before operating fixture.



# 1. INTRODUCTION

Thank you for selecting this product. The Moving Beam 7R is a beam moving head with OSRAM lamp. It produces stunning beam effects, ideal for stages, concerts, TV studios, live shows, night clubs, etc. To optimize the performance of this product, please read the user manual carefully before use.

## 1.1 Unpacking

The following items are included in the box:

- 1 x PROBEAM7R
- 1 x Power Cord
- 2 x Mounting Brackets
- 1 x User Manual

Carefully unpack the carton, check the contents to ensure that all parts are present, and have been received in good condition. Contact your supplier immediately and retain packing material for inspection if any part is missing or damaged.

## 1.2 Safety Instructions



**Warning!!!** To reduce the risk of fire, electric shock, or injury to persons, follow these important safety instructions:

- The product is for indoor use only.
- Always turn off, unplug power and allow fixture to cool before servicing.
- Ensure that fixture is properly grounded.
- Please keep this User Guide for future consultation.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on decal or rear panel of the fixture.
- Always disconnect from power before servicing or replacing fuse.
- Make sure power cord is never crimped or damaged.



Caution! Never touch the device during operation!  
The housing may heat up.



Caution! Never look directly into the light source, as sensitive persons may suffer an epileptic shock.

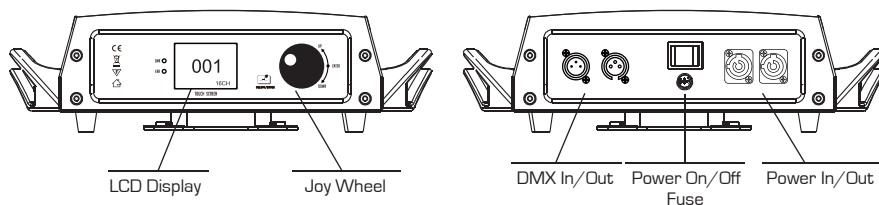


Caution! The electric connection must be carried out only by a qualified electrician.

## 1.3 Technical Data

- Power supply: AC 100-240V 50-60Hz
- Power consumption: 350W
- Lamp: OSRAM 7R 230W lamp, 8,000K, 2,000 hrs
- Beam angle: 0-4° adjustable
- 1 Colour wheel: 14 COLOURS + white
- 1 Gobo wheel: 17 fixed gobos + open
- Colour rainbow + Gobo shaking
- 8-facet rotating prism
- Motorized focus
- Frost-filter
- DMX-controlled or stand-alone with master/slave
- 2 DMX modes: 16ch (Simple)/20ch (Expand)
- Pan : 540° (16 bit) Tilt: 270° (16 bit)
- Automatic Pan/Tilt correction
- Mechanical shutter and adjustable speed strobe effect
- Touch LCD display with Joy Wheel
- Dimension: 523×337×511mm
- Weight: 19.5 kg

## 1.4 Product overview

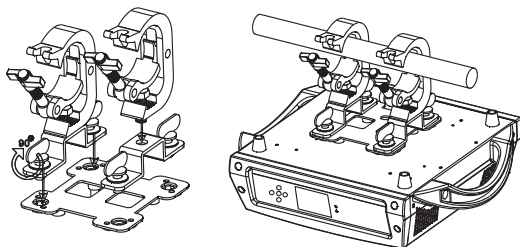


## 2. SETUP

### 2.1 Mounting

The Moving Head is fully operational in any mounting position, hanging upside-down, side mounted, or set on a flat level surface, etc.

**IMPORTANT!!!** Safety cables must always be used when unit is ceiling or truss mounted. The safety cable must be capable of holding 10 times the weight of the fixture. The equipment must be installed by professionals.



### DANGER OF FIRE!


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

## 2.3 AC Power

The fixture is designed to work on AC 100-240V 50-60Hz. All units must be powered directly from a switched circuit. This unit cannot be run on a rheostat or dimmer circuit even if used solely for a 0% to 100% switching.

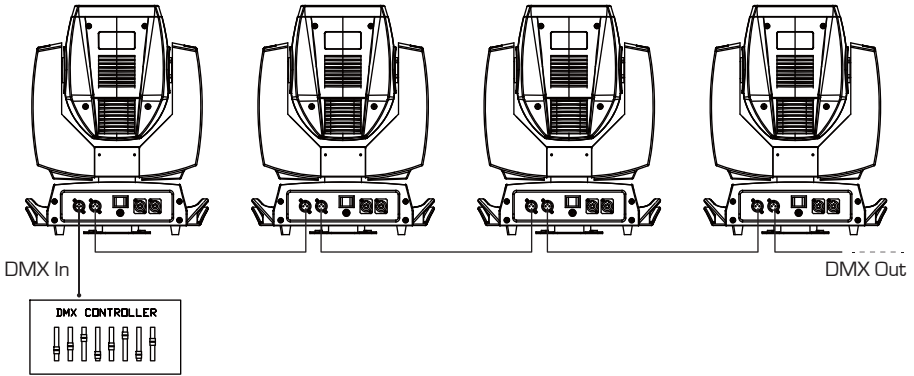
**WARNING!!! All fixtures must be connected to circuits with a suitable Earth Ground.**

The occupation of connection-wire is as follows:

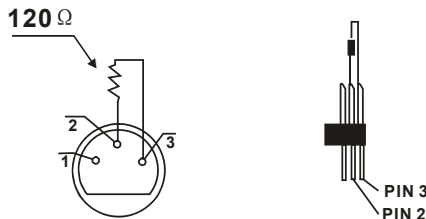
Wire	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	

## 2.4 DMX Linking

You can link the Moving Head 7R to a DMX controller using a 3- or 5-pin DMX cable.

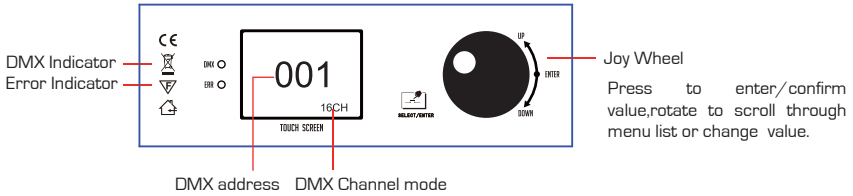


It is recommended to use a DMX terminator for installations where the DMX cable has to run a long distance, or is in an electrically noisy environment. The DMX terminator is simply an XLR plug with a 120  $\Omega$  resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.



# 3. OPERATION INSTRUCTIONS

## 3.1 Control panel



## 3.2 Menu Map

DmxSet	Dmx Set	001-512 set DMX address
	Dmx Channle	16CH/20CH
	Dmx Signal	KEEP/CLEAR
	RDM Function	ON/OFF
	Dmx Monitor	to read DMX values
Setup	Language	English
	ScreenRotation	OFF/ON
	Display	OFF(off in 30s)/ON (always on)
	Invert Pan	ON/OFF
	Invert Tilt	ON/OFF
	Pan-Tilt swap	OFF/ON
	Pan-Tilt Encoder	ON/OFF (setPan/Tillt correction)
	Linear color	ON/OFF
Load default	to set factory defaults	
RunMode	Auto Mode	DMX/AUTO/SOUND
	Manual Control	Color,Shutter,Dimmer, Gobo,etc
	Device Reset	OK/Cancel
	XY Reset	OK/Cancel
	MT Reset	OK/Cancel

System	Version	Version number
	Temp Msg	Temperature information
	Fan Msg	Fan information
	System Time	Lamp/Fixture time
	Sensor Monitor	Pan/Tilt/Color/Gobo Hall
	System Error	to show error info
Lamp	Lamp	ON/Off
	Lamp On	ON/OFF
	Delay Time(Min)	00-19
	Lamp_Fan_Low	ON/OFF
Factory (password: Up-Down-Up-Down)	Motor calibration	Pan/Tilt/Color/Gobo motor
	Range calibration	Pan/Tilt/Focus/Dimmer Range
	XY Sp calibration	to set Pan/Tilt speed
	Fan sp calibration	to set fan speed
	Lamp_hours_clear	OK/CANCEL

## 3.2 DMX channels

The moving head can be operated in 2 DMX modes: SIMPLE (16ch) or EXPAND (20ch).

MODE	CH	NAME	DMX VALUE
SIMPLE 16CH	1	COLOUR	select COLOURs, see details in COLOUR table
	2	STROBE	select strobe effects, see details in DIMMER & STROBE table
	3	DIMMER	select strobe effects, see details in DIMMER & STROBE table
	4	GOBO	select gobo, see details in GOBO table
	5	PRISM	select prism effect, see details in EFFECT table
	6	PRISM ROTATION	select prism rotation, see details in EFFECT table
	7	NONE	
	8	FROST	select frost effect, see details in EFFECT table
	9	FOCUS	focus adjustment from far to near
	10	PAN	Pan movement, see details in Pan/Tilt Table
	11	PAN FINE	Fine control of Pan, see details in Pan/Tilt Table
	12	TILT	Tilt movement, see details in Pan/Tilt Table
	13	TILT FINE	Fine control of Tilt, see details in Pan/Tilt Table
	14	P/T SPEED	set Pan/Tilt movement speed, see details in Pan/Tilt Table
	15	RESET	reset the moving head, see details in Reset & Lamp Table
	16	LAMP	turn lamp on/off, see details in Reset & Lamp Table
EXPAND 20CH	17	GOBO SPEED	set gobo wheel speed, see details in EXPAND CHANNEL Table
	18	COLOUR SPEED	set COLOUR wheel speed, see details in EXPAND CHANNEL Table
	19	FOCUS SPEED	set focus speed, see details in EXPAND CHANNEL Table
	20	RUN MODE	set running mode, see details in EXPAND CHANNEL Table

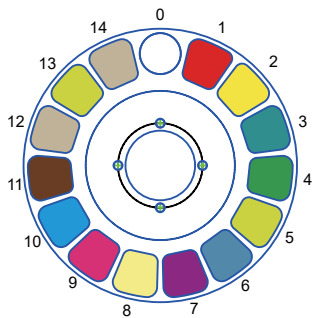
### PAN/TILT

CH	NAME	VALUE	FUNCTIONS
10	PAN	0-255	0 - 540°
11	PAN FINE	0-255	Fine control of Pan movement
12	TILT	0-255	0 - 270°
13	TILT FINE	0-255	Fine control of Tilt movement
14	P/T SPEED	0-255	Pan/Tilt speed from fast to slow

### DIMMER & STROBE

CH	NAME	VALUE	FUNCTIONS
2	STROBE	0-3	Strobe close
		4-103	strobe from slow to fast(mode 1)
		104-107	Strobe open
		108-207	strobe from slow to fast(mode 2)
		208-212	Strobe open
		213-225	Random strobe, slow
		226-238	Random strobe, medium
		239-251	Random strobe, fast
		252-255	Strobe open
3	DIMMER	0-255	Dimmer 0 - 100%

# COLOURS

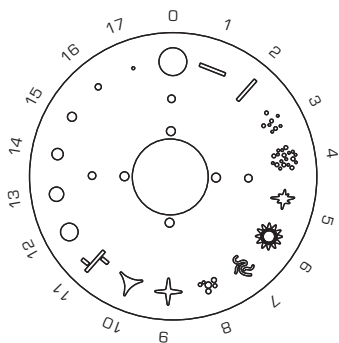


- 0 white
- 1 red
- 2 yellow
- 3 aquamarine blue
- 4 green
- 5 Green-yellow
- 6 light blue
- 7 purple
- 8 light yellow
- 9 pink
- 10 blue
- 11 brown
- 12 pale brown
- 13 light white
- 14 lavender

CH	NAME	VALUE	FUNCTIONS
1	COLOUR	0-4	White
		5-9	White + Colour 1
		10-14	Colour 1
		15-19	Colour 1 + Colour 2
		20-24	Colour 2
		25-29	Colour 2 + Colour 3
		30-34	Colour 3
		35-39	Colour 3 + Colour 4
		40-44	Colour 4
		45-49	Colour 4 + Colour 5
		50-54	Colour 5
		55-59	Colour 5 + Colour 6
		60-64	Colour 6
		65-69	Colour 6+ Colour 7
		70-74	Colour 7
		75-79	Colour 7 + Colour 8
		80-84	Colour 8
		85-89	Colour 8 + Colour 9
		90-94	Colour 9
		95-99	Colour 9 + Colour 10
		100-104	Colour 10
		105-109	Colour 10 + Colour 11
		110-114	Colour 11
		115-119	Colour 11 + Colour 12
		120-124	Colour 12
125-129	Colour 12 + Colour 13		
130-134	Colour 13		
135-139	Colour 13 + Colour 14		
140-144	Colour 14		
145-149	Colour 14 + White		
150-199	Clockwise colour scroll		
200-255	Counter-clockwise colour scroll		



# GOBOS



CH	NAME	VALUE	FUNCTIONS
4	GOBO	0-4	Open
		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
		75-79	Gobo 15
		80-84	Gobo 16
		85-89	Gobo 17
		90-129	Clockwise gobo scroll from fast to slow
		130-134	Stop
		135-169	Counter-clockwise gobo scroll from slow to fast
		170-174	Gobo 1 shaking from slow to fast
		175-179	Gobo 2 shaking from slow to fast
180-184	Gobo 3 shaking from slow to fast		
185-189	Gobo 4 shaking from slow to fast		
190-194	Gobo 5 shaking from slow to fast		
195-199	Gobo 6 shaking from slow to fast		
200-204	Gobo 7 shaking from slow to fast		
205-209	Gobo 8 shaking from slow to fast		
210-214	Gobo 9 shaking from slow to fast		
215-219	Gobo 10 shaking from slow to fast		

4	GOBO	220-224	Gobo 11 shaking from slow to fast
		225-229	Gobo 12 shaking from slow to fast
		230-234	Gobo 13 shaking from slow to fast
		235-239	Gobo 14 shaking from slow to fast
		240-244	Gobo 15 shaking from slow to fast
		245-249	Gobo 16 shaking from slow to fast
		250-255	Gobo 17 shaking from slow to fast

## EFFECT

CH	NAME	VALUE	FUNCTIONS
5	PRISM	0-127	No function
		128-255	8-facet prism
6	PRISM ROTATION	0-127	Angle 0 - 400°
		128-191	Counter-clockwise rotation from fast to slow
		192-255	Clockwise rotation from slow to fast
8	FROST	0-255	Frost 0 - 100%
9	FOCUS	0-255	Focus from far to near

## RESET & LAMP

CH	NAME	VALUE	FUNCTIONS
15	RESET	0-127	No function
		128-200	Reset (over 3 seconds)
		201-255	No function
16	LAMP	0 - 9	No function
		10-100	Turn lamp on (over 3 seconds)
		101-255	Turn lamp off (over 3 seconds)

## EXPAND CHANNELS

CH	NAME	VALUE	FUNCTIONS
17	GOBO SPEED	0-255	Gobo wheel speed from fast to slow
18	COLOR SPEED	0-255	Colour wheel speed from fast to slow
19	FOCUS SPEED	0-255	Focus speed from fast to slow
20	RUN MODE	0 - 049	DMX mode
		050-099	Pan Auto
		100-149	Tilt Auto
		150-199	Auto mode
		200-255	Sound mode

## 4. General Maintenance

### 4.1 Fuse Replacement

- a. Unscrew the fuse holder and remove the damaged fuse.
- b. Replace with the same type fuse (F7A/250V) and screw fuse holder back in its place.

## 4.2 Cleaning

Dust build up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life. We recommend frequent cleaning of the fixture. When cleaning, please use a moist, lint-free cloth. Never use alcohol or solvents.

## 4.3 Lamp replacement

The moving head is equipped with an Osram 230W lam. Follow the procedure below to safely change the lamp.



Figure 1



Figure 2



Figure 3



Figure 4

- 1) Turn off the product and disconnect it from power. Wait at least 15 minutes for lamp to cool down.
- 2) Use 1/4 turn screw driver to remove 2 head covers. See Figure 1.
- 3) Remove the fan that blows out (not the other one) by 2 screws to access the lamp. See Figure 2-3.
- 4) Push the lamp reflector downward meanwhile grasp the lamp base to pull it out.
- 5) Remove the 2 wires connected to the lamp by the spade connectors.
- 6) Reverse the steps above to install the new lamp.

Warning! DO NOT touch the lamp without wearing gloves to avoid leaving grease on the bulb or on the contacts that could reduce the lamp's life.



Caution! Always disconnect the product from mains power and allow it to cool down before any services.

### IMPORTANT INFORMATION!

In order to optimize the recovery and recycling of the materials that old appliances contain and reduce the impact on human health and the environment, ensure that this product is recycled at the end of its life.

