

230W 7R Moving Head Light

User Manual



Please read over this manual before operation the light

Congratulations on purchasing this 230W moving Beam Light

Thank you for extending your trust in our technology!

Color Temperature: 8500K
Control Mode: DMX512
Channel: 16CH/20CH
Single input: 3 Core XLR
Single Output: 3 Cores XLR
Pan scan: 540°(16bit) Electric correction
Tilt scan: 270°(16bit) Electric correction
Color Wheel: 14 Color + White, Single rotation rainbow effect, two models changing (Full color and half color operating)
Gobos: 8 gobos + white, Double rotation rainbow effect
Strobe: 13 t/s, free strobe and Pulse strobe
Controller function : controller can be with reset function
Vertical angle: 0°~270°
Stepping mode: 255 user-programmable steps without DMX controller mode
Pattern: automatic pattern/sound activate/master-slave control/DMX
The largest external temperature: 40°
Cooling System: Fan
Unprecedented brightness – comparable to wattages many times higher
8-facet rotating prism
Mechanical dimmer
Frost Filter
Rapid and extensive pan and tilt movements
New, high-performance electronics
Eco-friendly: replaces far larger and more expensive spotlights
Electronic ballast fitted as standard

Performance trait:

- 1, 230w 7r Lamp
- 2, completely parallel to the beam, similar to the last beam, and no nimbus and no halo
- 3,adjustable beam angle from 0 to 3.8°

13	Tilt fine	0-255	
14	Rainbow effect	0-127 128-255	No rainbow rainbow
15	RESET	0-25 26-76 77-127 128-255	NO EFFECTS RESET PAN TILT RESET CICOMPLETE RESET
16	Lamp	0-25 26-100 101-255	No function Lamp Off Lamp On
17	Pan/Tilt speed	0-255	Pan - Tilt - (Pan fine - Tilt fine) Colour wheel Dimmer - Frost – Prism Static Gobo
18	Colour time		
19	Beam time		
20.	Gobo time		

Voltage: AC110-240V/50-60HZ
Lamp: 230W 7r lamp
Total Power: 330W
Fuse: 6A/250V
Step Motor: 11PCS
Packing Size: 450 x 410 x 510cm
Net Weight: 16.5Kg

Please note:All Information is subject to change without prior notice.

- 4, compared with a variety of lighting , the power is higher for several times (20m 59800LX)
- 5, 8 kinds of patterns of self-turnstile Gobo
- 6,8 prism
- 7, X and Y(Pan & Tilt)loudspeaker mute and fast movement
- 8,high-performance electronic components ,small size ,light weight ,easy to transport(only 15kg)
- 9,high-performance electronic ballasts

For reasons of safety and approval (CE) the personal reconstruction and/or modification of this product is prohibited .Please observe that damage caused by modifications performed manually to this device is not covered by the warranty.

This product leaves our works in a perfect condition. Please observe all notes these operating instructions to warrant this condition and the safe operation of the product!

Any damage caused as a result of the non-compliance with these operating instructions leads to the expiration of any warranty claim. The manufacturer does not accept liability for any damage to property or for personal injury resulting from the improper handling of the product, or non-observance of the operating instructions.

Store these operating instructions in a safe place for later reference and pass them to any new holder when selling or lending or leaving this device in the hands of any other party.

Application According to Purpose

This product is a lighting effect which creates special light effects with one lamp. To generate these effects, the product must be connected to mains and a DMX-512 compatible controller.

This product is designed for AC110~127V/50~60Hz operation and exclusively for indoor use.

If used for any purpose other than described in these operating instructions, the device may suffer damage and the warranty expires .Also, any other use is linked with risks such as short circuits, fire, electrical shock, etc.

The manufacturer's serial number must never be removed as otherwise the warranty expires.

Notes on safety

1. Before Operation



Prior to the initial operation of this product, please do the followings

- Read these operating instructions with great care;
- Study and observe all instructions carefully;
- Ensure that everybody and anybody involved in the installation, operation, transport and storage of this product is suitably qualified;
- Verify whether any visible damage was caused during transport .If the power cord housing or the light are damaged ,do not operate the device; contact your specialized dealer immediately.

2. Supply Voltage, Mains Cord and Connection to Mains

The handling of supply voltage ,mains cords and connections to mains calls for Particular care considering the risk from a life-threatening electric shock, the risk of fire and the risk of short circuits please observe the following notes in particular:

Products operating on supply voltage should be kept out of the reach of children. Therefore ensure the permanent supervision if children are in the immediate vicinity of the product!

For commercial facilities the regulations on the prevention of accidents of the respective trade association must be observed. The operation of this equipment at schools, training facilities, and yourself-help workshops must be supervised responsibly by trained personnel.

Check the product regularly for any damage to the mains cord! Should you discover any damage to the mains cord, do not operate or disconnect this product! Secure the product against accidental operation and contact your specialized dealer .

Always separate the product from mains by holding the mains plug by the handling surface .Never disconnect by holding the line cord ! Be sure to connect the product exclusively to AC110~127V/50~60Hz!

		174-179 180-185 186-191 192-198 199-204 205-211 212-217 218-223 224-230 231-236 237-244 245-249 250-255	Gobo4Shake (slow to quick) Gobo5 Shake(slow to quick) Gobo6 Shake(slow to quick) Gobo7 Shake(slow to quick) Gobo8 Shake(slow to quick) Gobo9 Shake(slow to quick) Gobo10 Shake(slow to quick) Gobo11 Shake(slow to quick) Gobo12Shake(slow to quick) Gobo13 Shake(slow to quick) Gobo14 Shake(slow to quick) Gobo15 Shake(slow to quick) Gobo16 Shake(slow to quick)
5	16 Prism	0-127 128-255	No prism Prism
6	Prism rotation	0-127 128-190 191-192 193--255	Prism Angle adjust Rotation reversely from fast to slow stop Rotation forward from slow to fast
7	6 Prism	0-127 128-255	No prism Prism
8	Frost	0-127 128-255	No frost frost
9	Focus	0-255	focus
10	Pan	0-255	
11	Pan fine	0-255	
12	Tilt	0-255	

		112-116 117-120 121-124 125-255	CTB8000+BLUE BLUE BLUE+WHITE rotation from slow to fast
2	Strobe	0-3 4-103 104-107 108-207 208-212 213-225 226-238 239-251 252-255	closed Strobe from slow to fast open Pulse strobe from slow to fast open Radom slow strobe Radom medium strobe Radom fast strobe open
3	Dimmer	0-255	Dark bright
4	Stactic Gobo	0-3 4-7 8-11 12-15 16-19 20-23 24-27 28-31 32-35 36-39 40-43 44-47 48-51 52-55 56-59 60-63 64-67 68-71 72-113 114-117 118-159 160-166 167-173	WHITE Gobo1 Gobo2 Gobo3 Gobo4 Gobo5 Gobo6 Gobo7 Gobo8 Gobo9 Gobo10 Gobo11 Gobo12 Gobo13 Gobo14 Gobo15 Gobo16 Gobo17 Gobo reversely rotation from fast to slow stop Gobo forward rotation from slow to fast Gobo2 Shake (slow to quick) Gobo3 Shake (slow to quick)

Always be sure during installation, operation, transport and when storing the product that the mains cord is not exposed to possible mechanical damage, or damage caused by humidity, fluids, heat or cold!

The products cable entry must not be exposed to stress from pull! Create the mains connection once the product has been installed only .Always connect the mains plug last !

The product must only be connected to a proper outlet of the public supply grid .Connect the mains cord to suitable outlets only ! Use extensions cords in compliance with specifications only! Do not allow the mains cord to come into contact with other cords!

Ensure during institution , operation, transport and storage that none of the cables are freely exposed!

Never touch the mains cord ,mains plug and outlet with wet or damp hands !

When not using the product, and to cleaning always disconnect the product from mains! To do so, hold the mains plug by the handling surface and never pull the mains cord Never connect the device to dimmer packe!

3.Housing



Always ensure during installation, operation, transport and when storing the product that no shocks or other forces impact the housing !

The housing must not touch onto any other devices or objects during operation!

Easily flammable materials, e.g. decoration material and other surfaces and objects, must maintain a minimum distance of 3m to the housing ! Walls must maintain a minimum distance of 50cm to the housing! The device must be installed on a fireproof surface only (no carpet)! Always ensure aproper circulation of air.

Do not touch the housing during operation it will heat up .The housing is safe to touch approx .5 minutes following the end of operation!

The device must never be carried via the projector anns. Use the carring handles only !

Fluids must not enter the housing as this could reduce the protective insulation and may trigger short circuits which may lead to fatal electro shocks !If fluid have entered, disconnect the mains plug immediately and secure the product against unintentional operation and contact yours specialized dealer! Damage caused as a result of fluids entering the housing is exempt from warranty .

No metal parts or other items must enter the housing as this may reduce the protective insulation or trigger short circuits which may lead to fatal electric shocks !If metal parts or other items have entered ,disconnect the mains plug immediately,secure the product against unintentional operation and contact your specialized dealer!Damage caused by metal parts or other items in the housing is exempt fromwarrantly.

4. Operating Environment



The product must be operated and stored in a dry environment only !Splash water ,rain, humidity, fog may reduce the protective insulation which may lead to fatal electric shocks! The limit value for relactive humidity is 50% at 45°C.A minimum distance of 1.5m to a fog machine must be observed ;fog saturation in the room must not reduce the vislblility to below 10m .

The product must be operated at a temperature range of between -5°C and 45°C only. Protect the product against direct exposure to sunlight or other heat, such as from radiators ! If the product is taken from a cold environment into a warm environment it must only be taken into operation once it has reached ambient temperature, since the condensation created by the difference in temperature may destroy the device!

Protect the product against dust! Dust may reduce the protective insulation, which may cause fatal electric shocks!

The product must be operated at altitudes ranging between 20m below and 3000m above sea level only!

The product must not be operated during thunder storms; risk of destruction from surge voltages!

The product must be operated at a minimum distance of 1.5m to lit objects only!

12. **Control:** Control select(DMX, Slave, Music, Auto, these function have not been finished now, they would be finished afterward according to your suggestion); auto run program(select the program you want to run in certain mode); auto run speed (set running speed for program).

13. **Help info:** include copyright, company information, etc.

14. **Exit**

DMX CHANNEL LIST

No.	Channel	DMX16/20 value	Description
1	Color Wheel	0	WHITE
		1-5	WHITE + RED
		6-9	RED
		10-13	RED + ORANGE
		14-18	ORANGE
		19-22	ORANGE + AQUAMARINE
		23-26	AQUAMARINE
		27-30	AQUAMARINE + GREEN
		31-35	GREEN
		36-39	GREEN+LIGHT GREEN
		40-43	LIGHT GREEN
		44-47	LIGHT GREEN +LAVENDER
		48-52	LAVENDER
		53-56	LAVENDER+PINK
		57-60	PINK
		61-64	PINK+YELLOW
		65-69	YELLOW
		70-73	YELLOW+MAGENTA
72-77	MAGENTA		
78-82	MAGENTA+CYAN		
83-86	CYAN		
87-90	CYAN+CTO 260		
91-94	CTO 260		
95-99	CTO260+CTO 190		
100-103	CTO 190		
104-107	CTO 190+CTB 8000		
108-111	CTB8000		

10. Menu Setting

1. **Version:** brand, model, version, number, lamp use time
2. **Address:** Set DMX address
3. **Pan reverse:** On (reversed) Off (normal)
4. **Tilt reverse:** On (reversed) Off (normal)
5. **Pan/Tilt speed:** from 01-16, to set the speed for Pan/Tilt movement
6. **Pan/Tilt mode:** 8bit, 16bit, when set as 8bit, the channels Pan fine and Tilt fine will be disabled, the fixture has 13 channels now.
7. **Lamp mode:** On (lamp on); Off (lamp off)
8. **Reset:** lighting reset; time restore (can be set password afterwards to prevent unwanted modifying); Motor restore (can be set password afterwards to prevent unwanted modifying); exit.
9. **Channel data:** 01: Shutter; 02: Dimmer; 03: Lamp/reset; 04: Pan/tilt speed; 05: Pan; 06: Tilt; 07: Pan fine; 08: Tilt fine; 09: Color wheel; 10: Gobo; 11: Gobo effect; 12: Prism/macros; 13:Prism rotation; 14:Focus; 15:Focus fine; 16: Fog; 17:Exit.
When connected with a DMX controller, the channel value can not be changed, only show channel DMX value. While there is no DMX controllers, you can control the fixture by this item, select some channel, roll the encoder wheel to adjust DMX value,
10. **Display:** language(English Chinese or some other language according to your requirement); Backlight
time: open(always on), 30 seconds; Back-brightness: 1-4, from dark to bright; exit.
11. **Motor adjust:** 01: Strobe; 02: Pan; 03: Tilt; 04: Color; 05: Gobo; 06: Prism; 07: Prism rotation; 08: Focus; 9: Fog; 10:Motor zero(can be set password afterwards to prevent unwanted modifying); 11:Save (can be set password afterwards to prevent unwanted modifying); 12: Exit.

5. Installation



This product can be operated suspended or as stand-alone system.

Should your lighting effect show any signs of damage, do not install the device! In this case, have your lighting effect repaired by your specialized dealer. The manufacturer does not accept responsibility or liability for damage to property or personal injury resulting from an improperly installation!

As a stand-alone system the device must be installed vertically on an absolute planar, firm, fireproof, shock- and vibration-free surface. The installation of this lighting effect must be carried out by trained and professional staff! The installation of this lighting must only be carried out with the appropriate materials!

The suspended installation of this lighting effect necessitates a suitable suspension system! The lighting effect must never be fixed swinging freely in the room. No individuals should linger underneath the lighting effect during suspended installation!

It is a must to install this device with a second independent fixture. Such second fixture must guarantee in the event of failure of the main fixture that no assembly parts will fall down. Use the fixture on the undersurface only.

The light effect unit must be attached via two certified hooks and omega bracket to a tie-bar system. Use the screw threads on the undersurface only.

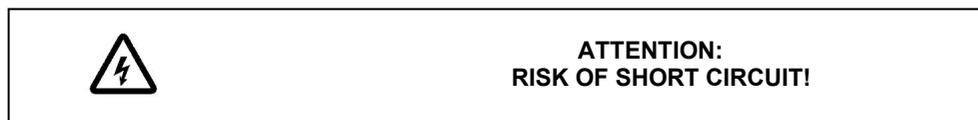
It must be ensured that an expert inspects the mechanical and safety-relevant installation prior to the initial operation and following major modifications, prior to the renewed operation. It must be ensured that an expert inspects the mechanical and safety-relevant installation at least once a year. It must be ensured that an expert inspects the mechanical installation and the installation of relevance to safety within the framework of an acceptance test at least every four years.

The installation fixture must be as such that it can withstand for a period of 60minutes 10 times the load capacity without harmful deformation.

It is prohibited for any individual to unnecessarily stay or pass beneath the installation during any type of assembly work

The light effect unit must be secured by a safety arrester cable if fly-mounted. The cable must withstand 12 times the weigh of the light effect unit Use arrester cables equipped with quick closing links. The dropping distance must not exceed 20 cm. Defect arrester cables or arrester cables that have already been exposed to stress must not be used.

6. Operation Controls



Link all DMX devices with a DMX-512 controller by using a standard,3-pin DMX cable. Connect the output of the first device with the input of the second device and the output of the second device with the input of the third device and so on.

Connect the mains plug to an outlet.

Operating the product for the first time may generate smoke and odour , this is not a defect. Avoid connecting the product repeatedly and quickly from/with mains! Always wait 15 minutes prior to the next connection!

The device starts not until a self-testing and starting time. If the moving head is ready to start, push and roll the function wheel. The LCD display shows the options, as below:

7. Lamps



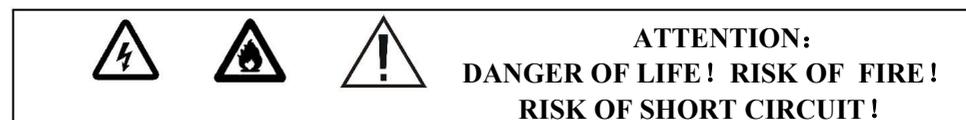
During operation, the lamps will reach temperatures of up to 600°C.Touching the lamps may cause serious burns!
Objects coming into contact with the lamps during and shortly after operation may catch fire!

Disconnect the product from mains prior to installing or before changing a lamp!
Allow a lamp to cool for approx.15minutes before exchanging it!

When exchanging the lamp be sure to use suitable lamps only. Lamps with greater performance generate excessive heat for the product; risk of fire! Damage resulting from the use of an unsuitable lamp is exempt from warranty!

Never connect the lighting effect to the mains prior with opened housing.

8. Fuse



Disconnect the product from the mains prior before changing a fuse.

Only replace the fuse by a fuse of same type and rating! An incorrect fuse could damage of destruct the lighting effect.

Replace a fuse by levering the fuse holder cover with an appropriate screw driver. Remove the old fuse and place the fuse inside the holder. Replace the fuse holder and insert it.

Never connect the lighting effect to the mains prior with opened housing.

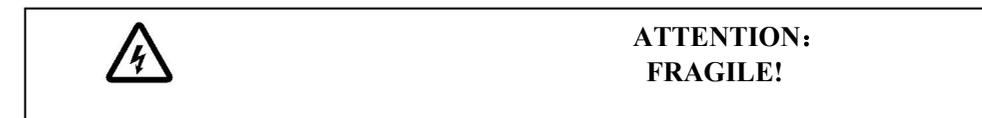
9. Cleaning



The product must be freed regularly from dust, other deposits and contamination as Before cleaning,always disconnect the product from mains!

This product should be cleaned with a moist cloth only ;never use aggressive cleaning agents, solvents or benzine for cleaning.

Ensure that the product is completely dry before operating it again again after cleaning!



To avoid damage caused during transport, wrap the product in its original packaging only and handle it with great care during transport!