

Mini 7r Beam Moving Head

User Manual



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

1 SECURITY TIPS

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

- non-professionals, not to disassemble the light arbitrarily and lighting accessories inside.
- rated voltage range: AC110V-120V/60Hz or AC200V-240V / 50HZ (to be selected).
- not beam irradiate the flammable materials, flammable materials and the lamp should be maintained at least 1M over the distance.
- lamps used in ambient temperature: -15 °C -40 °C, the highest temperature of the surface of the lamp: 60 °C.
- to keep away from the liquid substance and humid environment.
- before using the lights must ensure the good grounding, can not install charging and remove any parts.
- the installation of lamps, must be fixed screw fasteners with additional security cable and regular inspection.
- lamps consecutive working hours is not recommended more than 10 hours.
- should stop using the lights in time when happens unusual conditions during the process
- lamp parts of the rotation, external accessories and paste parts should be regular inspected, such as the emergence of loose and rock, should be reinforced in a timely manner to prevent the accident.
- lamps adopt strong winds to refrigerate, it is easy to accumulate the dust, so you have to clean it weekly especially the cooling air opening, otherwise the dust will plug leading to poor light

2 TECHNOLOGY REFERENCE

Power Supply: AC110v-240V 50/60hz

Power:260w

Light source: Osram 7R 230w lamp

Ballast:electronic ballast

Housing:ABS plastic+alloy

Color:Black

Lens: 6-Layer option glass lens

Beam angle parallel beam angel :0-3.8°

Channel:16ch

Working lifetime(Hour):2000Hs

Color temperature:8000K

Size: 31*22*44cm

N.W.:12KG

Specifiction:

Dimmer:Independent dimmer channel, 0-100% linear dimmer

Strobe:Independent strobe channel, 1-13times/s, speed adjustable

Prism:16 Prism rotation

Gobo: 14 gobos+blank double rotation rainbow effect

Colors 13 color+blank,single rotation rainbow effect

Focus: option focus

Frost

Mode of control: DMX512/Master-slave/Sound /Stand-alone /Auto mode

Fan :SUNON and DAP brand

Pan: 540degree (16bit) Electric correction

Tilt:270degree (16bit) Electric correction

Pan/Tilt Motors: 2-phase step motors, moving smooth in the slow and fast speed

DMX socket:3-pin IN/OUT

Power socket:Power Con IN

Display:Blue LCD display

Lamp : LAMP DMX ON/OFF, ignited by inverter, protect and lengthen the lifetime of the bulb

Certification:CE,RoHS

3 Board Instruction

MENU:

1、 After reset six functional menu.

A、 DMX B、 Setup C、 Adjust D、 RunTest E、 Manual F、 Message

2、 Strating up after 20s without operation or operation after 20 seconds automatically jump display address code

DMX	001-512	Increased clockwise and anti-clockwise decreases, and press confirmation immediately return to the main menu
Setup	X Reverse	OFF/ON
	Y Reverse	OFF/ON
	Lamp on	OFF/ON
	Language	CH/En
	Backlight	001-255
	Screen Ro	OFF/ON
	Exit	
Adjust	Gobo	001-255
	Color	001-255
	Focus	001-255
	Prism	001-255
	X	001-255

	Y	001-255
	Exit	
RunTest	AutoRun	OFF/ON
	Soundrun	OFF/ON
	SoftReset	OFF/ON
	Exit	
Manual	ManualCtr	(01-24) (001-255)
	Exit	
Message	Lamp on timer	Display lamp on time
	Reset timer	After the input the correct password lamp time reset
	Set on timer	after input correct password,set the lamp on time*(1)
	Set Password	input old password set new password
	Exit	

* (1) :

Set lamp on time 00H

Unlimited use ON

When an unlimited use set to ON ,setting time is invalid, use the set lamp on time must be set to OFF

4 DMX CHANNEL SHEET

CH	Channel	DMX value	Description
1	Color wheel	0-12	Blank

		13-26	Color1
		27-40	Color2
		41-54	Color3
		55-68	Color4
		69-82	Color5
		83-96	Color6
		97-110	Color7
		111-124	Color8
		125-138	Color9
		139-152	Color10
		153-166	Color11
		167-180	Color12
		181-191	Color13
		192-223	Color forward from fast to slow
		224-255	Color rollback from slow to fast
2	Strobe	0-3	Strobe no function
		4-103	Strobe effect1 from slow to fast
		104-107	Strobe open
		108-207	Strobe effect2 from slow to fast
		208-211	Strobe open
		212-251	Strobe effect3 from slow to fast
		252-255	Strobe open
3	Dimmer	0-255	Dimmer from dark to brightness
4	Gobo wheel	0-4	Blank
		5-10	Gobo1
		11-16	Gobo2
		17-22	Gobo3
		23-28	Gobo4
		29-34	Gobo5
		35-40	Gobo6
		41-46	Gobo7
		47-52	Gobo8

		53-58	Gobo9
		59-64	Gobo10
		65-70	Gobo11
		71-76	Gobo12
		77-82	Gobo13
		83-88	Gobo14
		89-96	Gobo13 shake from slow to fast
		97-104	Gobo12 shake from slow to fast
		105-112	Gobo11 shake from slow to fast
		113-120	Gobo10 shake from slow to fast
		121-128	Gobo9 shake from slow to fast
		129-136	Gobo8 shake from slow to fast
		137-144	Gobo7 shake from slow to fast
		145-152	Gobo6 shake from slow to fast
		153-160	Gobo5 shake from slow to fast
		161-168	Gobo4 shake from slow to fast
		169-176	Gobo3shake from slow to fast
		177-184	Gobo2 shake from slow to fast
		185-190	Gobo1 shake from slow to fast
		191-223	Gobo forward from fast to slow
		224-255	Gobo rollback from slow to fast
5	Prism	0-127	Prism off
		128-255	Prism on
6	Prism rotation	0-127	Prism rotation
		128-191	Prism clockwise from fast to slow
		192-255	Prism anticlockwise from slow to fast
7	Color Function	0-255	Half the color effect (CH1 On , it works)
8	Frost	0-255	Frost
9	Focus	0-255	Focus

10	Pan	0-255	Pan movement range 540°
11	Pan fine	0-255	
12	Tilt	0-255	Tilt movement range 270°
13	Tilt fine	0-255	
14	Pan/Tilt Speed Pan/Tilt Time	0-255	Quick → Slow
15	Reset	0-255	Reset
16	Lamp	0-99	Lamp off
		100-255	Lamp on

5 DIFFICULTY RESOLUTION

The following is a list of problems and resolution, and other malfunction preparing work should be professionally qualified staff to deal with.

1. Bulb not working

- a) Check whether approaching the service life of light bulbs, then change it
- b) Check whether bulbs circuitry leak, loss or connect poorly

2. Beam appears bleak

- a) The bulbs maybe approach the service life, then change it, or the optical components are unclean.
- b) Bulbs have accumulation of dust, so the bulbs and other parts inside the lamp should be cleaned and maintained in regular period.

3. Computer lamp work intermittently

- a) Check whether the fan process naturally and become dirty
- b) Check inner temperature-response control plug is off
- c) Check whether the circuitry is good

4. The computer lamp not controlled by controller during lighting

- a) Check numeral starting address and the connection of communication control circuit
- b) The corresponding channel button of controller is open or not
- c) Check whether the fuse on power supply input jack is broken off

6 AFTER SERVICE

- 1. Our company offer technical consultation to customers for ever.
- 2. If the machine is wrong and need repairmen, please truthfully fill in the related content and feedback us the problems timely, as well as we have to improve the product.
- 3. In addition to the lamp, also matching accessories are as follows:

accessories: Power line 1 piece **Optional parts:** (customers)



Warranty Card

Name	Model	Production	Purchase
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End User
Company Name:
Add:

Sale Store	
Link man:	Stamp
Tel:	

Description: These must be truthfully fill, seal by the end-user and point-of-sale, or else the warranty will not work (warranty period and terms, see the following)

warranty period: one year since purchase warranty terms: 1、 If fail when using the product in normal state, you can made under the provisions of the warranty, show the warranty card and purchase bills(copy), and enjoy free maintenance service in a specific service center or the manufacturer.

2. The following will be the implementation of paid service:

- (1)Without the effective warranty card
- (2)There's blank, alter and no point-of-sale name
- (3)Fail caused by unresistance
- (4)Fail caused by transportation or unloading
- (5)Fail caused by not operate by manual
- (6)Fail caused by disassemble without unauthorized
- (7)Fail caused by using the unauthorized control system

Note:

Based on our company continue to improve the product, the statement containing data may have changed, and will not notice the change any more. Company retains its right to change specifications related when product is improved. Thanks for your understanding.