

## MINI BEAM 7R (STANDARD)

Cabezas Móviles

MH000025



### User Manual

*Please read the instructions carefully before use.*

- |                       |                            |                              |
|-----------------------|----------------------------|------------------------------|
| 1. Safety Instruction | 2. Technical Specification | 3. How to Control the Device |
| 4. Trouble Shooting   | 5. Fixture Cleaning        |                              |

This product manual contains important information about the safe installation and use of this projector. Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

## STATEMENT

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction and problem owing to ignore the manual.

## 1. SAFETY INSTRUCTION

Please keep this user guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

Unpack and check carefully there is no transportation damage before using the unit.

Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit. Its important to ground the yellow/green conductor to earth in order to avoid electric shock.

The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.

Disconnect main power before replacement or servicing. Make sure there are no flammable materials close to the unit while operating as it is fire hazard.

Use safety cable when fixes this unit. Do not handle the unit by taking its head only, but always by taking its base.

Maximum ambient temperature is  $t_a$ : 40c. Do not operate it where the temperature is higher than this unit surface temperature may reach up to 85c. Do not touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.

Do not touch any wire during operation as high voltage might be causing electric shock.

### **WARNING:**

To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture. Do not open the unit within five minutes after switching off. The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

## ⚠ CAUTION:

There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

## ⚙ INSTALLATION:

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the units weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture. The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

## 2. TECHNICAL SPECIFICATION

Voltage :110V/240V AC, 50/60Hz

Power Consumption:260W

Lamp:7R 230W Osram (DMX on/off)

Lumen output:120000LM/10meter

Color Temperature:8000K

Lens:3-layer optic glass lens

Prism:8 Prism rotation

Gobo:Gobo wheel with 14 + 1gobos

Colors:Color wheel with 13

+1colors,single rotation rainbow effect

DMX Channel: 16/20CH

Frost function

Control:Master-slave mode

DMX Mode:Auto mode

Head movement:Pan 540° (16bit)

Electric correction Tilt 270° (16bit)

Electric correction with auto-correction function

Focus :Double automatic focusing

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

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

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

Other functions

Fixture and lamp usage time display

Highly Positioning precision

Adjustable fan speed

Built-in analyzer for easy fault finding,  
error messages

Input signal isolating protection

Body Size: 47\*33\*27cm

Net Weight: 11Kg



### 3. HOW TO CONTROL THE DEVICE

The DMX512 is widely used in intelligent lighting control, with a DMX 512 controller. connect several lights together, dmx in and dmx out, 3 pin XLR connectors: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

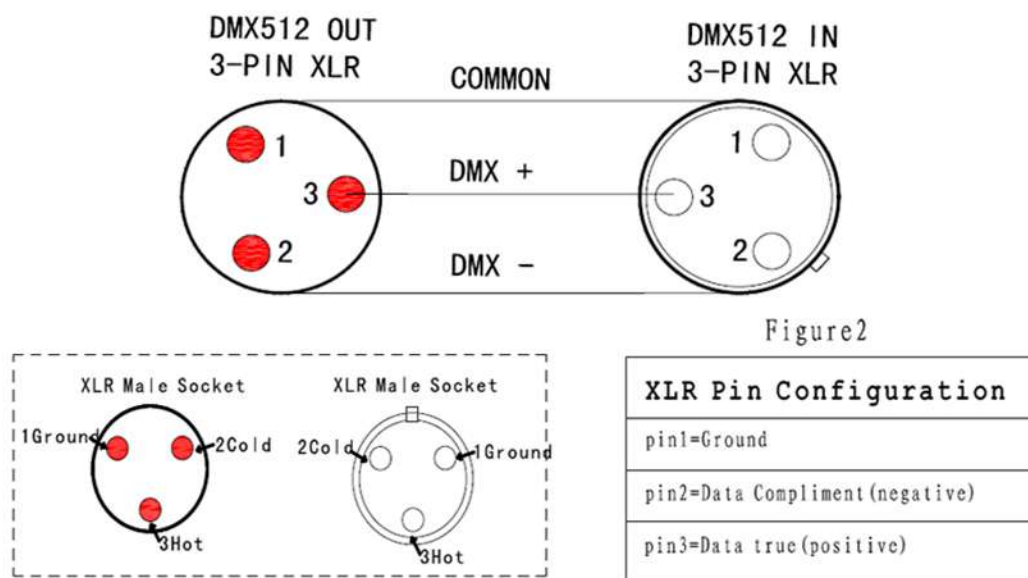


Figure2

#### Display:

- MENU To select the programming functions
- DOWN To go backward in the selected functions
- UP To go forward in the selected functions
- ENTER To confirm the selected functions

#### Set DMX Address Code:

1. Press **"Menu"** to "Set DMX Address", and press **"ENTER"** keys to enter into
2. Show "Set DMX Address DMX Address:001", Press the **"UP"** and **"DOWN"** keys to amended
3. Press **"ENTER"** keys to save and Exit, Press the **"MENU"** Keys does not save and Exit
4. Functions setting via LED display panel as below:

# 4. DMX CHANNEL TABLE

CHANNEL1	CHANNEL 2	CHANNEL NAME	VALUE	
CH1	CH1	COLOR	0-4	white
			5-9	White +Color1
			10-13	Color1
			14-18	Color1 + Color2
			19-22	Color2
			23-27	Color2 + Color3
			28-31	Color3
			32-36	Color3 + Color4
			37-40	Color4
			41-45	Color4 + Color5
			46-49	Color5
			50-54	Color5 + Color6
			55-58	Color6
			59-63	Color6 + Color7
			64-68	Color7
			69-72	Color7 + Color8
			73-77	Color8
			78-81	Color8 + Color9
			82-86	Color9
			87-90	Color9 + Color10
			91-95	Color10
			96-99	Color10 +Color11
			100-104	Color11
			105-108	Color11 + Color12
			109-113	Color12
			114-117	Color12 + Color13
			118-122	Color13
			123-127	Color13 + Color14

CH2	CH2	STROBE	0-3	closed
			4-103	From slow to fast strobe pluse
			104-107	on
			108-207	From slow to fast
			208-212	on
			213-251	From slow to fast strobe random
			252-255	on
CH3	CH3	DIMMER	0-255	0-100% dimmer
CH4	CH4	GOBO	0-5	white
			6-10	gobo 1
			11-15	gobo 2
			16-20	gobo 3
			21-25	gobo 4
			26-30	gobo 5
			31-35	gobo 6
			36-40	gobo 7
			41-45	gobo 8
			46-50	gobo 9
			51-55	gobo 10
			56-60	gobo 11
			61-65	gobo 12
			66-70	gobo 13
			71-75	gobo 14
			76-120	From slow t fast positive fanibow effect
			121-122	stop
			123-166	from slow to fast backward
			167-172	slow to fast gobo sharke1
			173-179	slow to fast gobo sharke2
			180-185	slow to fast gobo sharke3
			186-191	slow to fast gobo sharke4
			192-198	slow to fast gobo sharke5
			199-204	slow to fast gobo sharke6
			205-211	slow to fast gobo sharke7

			212-217	slow to fast gobo sharke8
			218-223	slow to fast gobo sharke9
			224-230	slow to fast gobo sharke10
			231-236	slow to fast gobo sharke11
			237-243	slow to fast gobo sharke12
			244-249	slow to fast gobo sharke13
			250-255	slow to fast gobo sharke14
CH5	CH5	PRISM	0-127	move prism
			128-255	Insert prism
CH6	CH6	PRISM ROTATION	0-127	0-400 degree
			128-190	From fast to slow forward rotation
			191-192	Stop
			193-255	From slow to fast backfard rotation
CH7	CH7	BLANK		
CH8	CH8	FROST	0-255	0-100% insert frost
CH9	CH9	FOCUS	0-255	From far to closed
CH10	CH10	PAN	0-255	0-540 degree
CH11	CH11	PAN FINE	0-255	
CH12	CH12	TILT	0-255	0-270 degree
CH13	CH13	TILT FINE	0-255	
CH14	CH14	BLANK		
CH15	CH15	RESETS	128-255	3 seconds reset
CH16	CH16	LAMP	26-100	3 seconds lamp off
			101-255	3seconds lamp on
	CH17	PAN/TILF SPEED	0-255	Fast to slow
	CH18	COLOR WHEEL SPEED	0-255	Fast to slow
	CH19	FOCUS SPEED	0-255	Fast to slow
	CH20	GOBO SPEED	0-255	Fast to slow

## 5. TROUBLE SHOOTING



Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

### **a. The unit does not work, no light and the fan does not work**

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

### **b. Not responding to DMX controller**

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

## 6. FIXTURE CLEANING

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- **Clean with soft cloth using normal glass cleaning fluid.**
- **Always dry the parts carefully.**
- **Clean the external optics at least every 20 days.**
- **Clean the internal optics at least every 30/60 days.**



