

Beam 7R Standard

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MH000009



User Manual

Please read the instructions carefully before use.

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|-----------------------|------------------------------|-----------------------|-----------------------|
| 1. Safety Instruction | 2. How to Control the Device | 3. DMX channel Tablee | 4. DMX Channel Tablee |
| 5. Trouble Shooting | 6. 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

Power Voltage: AC 100-240V, 50/60Hz

Power Consumption: 450

Light Sources: 10R 280W Lamp

Control

DMX Channel: 16 Channels

Control Modes: DMX512, Auto, Master-Slave, Music

Pan/Tilt

Continuous PAN and TILT rotation

Pan/Tilt Resolution: 16 bit

Construction

Display: LCD Display

DMX In/Out socket: 3-pin XLR sockets

Power Socket: Powercon in

Protection Rating: IP20

Features

85% optic efficiency

Continuous PAN and TILT rotation

Flicker free sources management, suitable for TV applications and all video .Variable strobe effects

Size

Dimension: 405*330*475cm

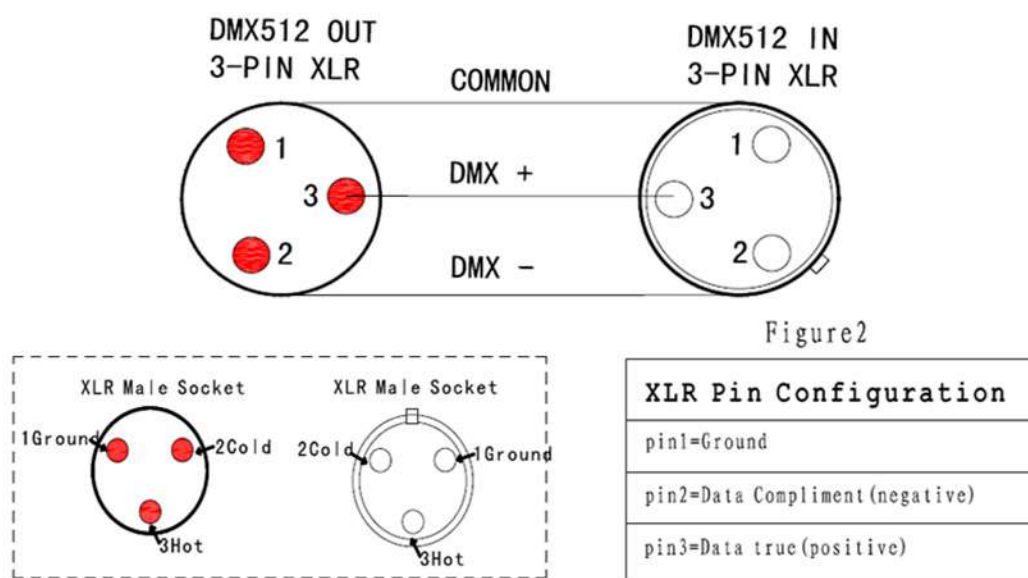
Weight

Net Weight: 16Kgs



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 (+)



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:

Address	001-512	
Lamp	Lamp control	No operation and exit/turn on/off the lamp
	Light up lamp on	OFF/ON
	Lamp on after reser	OFF/ON
	Lamp control by controller	OFF/ON
Parameter settings	Channel mode set	<u>16/20CHs</u>
	XY error correction enabled	OFF/ON
	X-axis reverse	OFF/ON
	Y-axis reverse	OFF/ON
	XY axis exchange	OFF/ON
	Sound control sensitivity	1-15-30 (larger, more sensitive)
Display Settings	Language	ENGLISH/中文
	Display Reverse	Yes/No
	Backlight Setting	Normally open/30 seconds off
Manual Control	Pan	<u>0</u> -255
	Pan Fine	<u>0</u> -255
	Tilt	<u>0</u> -255
	Tilt Fine	<u>0</u> -255
	XY Speed	<u>0</u> -255
	Strobe	<u>0</u> -255
	Dimmer	<u>0</u> -255
	Gobo	<u>0</u> -255

	Gobo	<u>0</u> -255
	Color	<u>0</u> -255
	Focus	<u>0</u> -255
	Prism	<u>0</u> -255
	Prism rotation	<u>0</u> -255
	Frosgt	<u>0</u> -255
Run Mode	Master built-in run	operating
	Slave built-in run	operating
	Master sound run	operating
	Slave sound run	operating
Restore factory settings	Yes/No	
Info	Current bulb status	On/Off
	Software version	Vx.x
	Reset detection information	X-axis optocoupler
		Y-axis optocoupler
		X-axis Hall
		Y-axis Hall
		Focus Hall
		Gobo Hall
		Color Hall
Reset	Yes/No	
Send local parameters	Yes/No	

4. DMX CHANNEL TABLE

DMX 512 16/20CHs

16CH	Function	Value	Effect
1	Color	0-5	None
		6-10	White
		11-15	Color1
		16-20	Color1 – Color 2
		21-25	Color2
		16-30	Color2 - Color3
		31-35	Color3
		36-40	Color3 – Color4
		41-45	Color4
		46-50	Color4 – Color5
		51-55	Color5
		56-60	Color5 – Color6
		61-65	Color6
		66-70	Color6– Color7
		71-75	Color7
		76-80	Color7 – Color8
		81-85	Color8
		86-90	Color8 – Color9
		91-95	Color9
		96-100	Color9 – Color10

		101-105	Color10
		106-110	Color10 – Color11
		111-115	Color11
		116-120	Color11 – Color12
		121-125	Color12
		126-130	Color12 – Color13
		131-135	Color13
		136-140	Color13 – Color14
		141-145	Color14
		146-150	Color14 – White
		151-200	FAST ROTATION - SLOW ROTATION
		201-205	Stop
		206-255	SLOW ROTATION - FAST ROTATION
2	Strobe	0-5	Closed
		6-20	Open
		21-70	Synchronous strobe slow to fast
		71-100	Asynchronous strobe slow to fast
		101-150	Low speed strobe
		151-190	Middle speed strobe
		191-230	High speed strobe
		231-255	Open
3	Dimmer	0 – 255	Linear Dimmer
		0-5	white
		6-10	Gobo 1
		11-15	Gobo 2
		16-20	Gobo 3
		21-25	Gobo 4

Gobo

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
76-80	Gobo 15
81-85	Gobo 16
86-90	Gobo 17
91-97	Gobo 1 Jitter
98-104	Gobo 2 Jitter
105-111	Gobo 3 Jitter
112-118	Gobo 4 Jitter
119-125	Gobo 5 Jitter
126-132	Gobo 6 Jitter
133-139	Gobo 7 Jitter
140-146	Gobo 8 Jitter
147-153	Gobo 9 Jitter
154-160	Gobo 10 Jitter
161-167	Gobo 11 Jitter
168--174	Gobo 12 Jitter
175-181	Gobo 13 Jitter

		182-188	Gobo 14Jitter
		189-195	Gobo 15 Jitter
		196-202	Gobo 16 Jitter
		203-209	Gobo 17 Jitter
		210-230	FAST ROTATION - SLOW ROTATION
		231-234	Stop
		235-255	SLOW ROTATION - FAST ROTATION
5	Prism 1	0-127	Reserve
		128-255	prism1
6	Prism Rotation	0 – 127	Rotation
		128-190	Rotation from fast to slow
		191-192	Stop
		193-255	Rotation from slow to fast
7	Reserve	0-255	Reserve
8	Frost	0-10	None
		11-255	Frost
9	Foucs	0-255	Foucs linear
10	Pan	0 – 255	Pan 16bit
11	Pan Fine	0 – 255	Pan 8bit
12	Tilt	0 – 255	Tilt 16bit
13	Tilt Fine	0 – 255	Tilt 8bit
14	Reserve	0-255	Reserve
15	Reset	0 – 250	None
		251-255	Reset after 5s
16	Lamp	26-100	Lamp off after 5s
		101-255	Lamp On after 5s

16		101-255	Lamp On after 5s
17	Pan/Tilt Time	0-255	Fast - Slow
18	Color Time	0-255	Fast - Slow
19	Beam Time	0-255	Dimmer Prism Frost fast - slow
20	Gobo Time	0-255	Fast - 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.**

