Beam LED 150W

User Manual

Please read the instructions carefully before use.

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 ta: 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: 150W

Light Sources: 1pc 120Watt LED sources

Moving Angle: Pan/Tilt 540°/270°rotation

Prism: 2 Prism

Color: 12 color + white

Gobo: 13 fixed gobos + white

Control

DMX Channel: 16Channels

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

Construction

Display: LCD Display

DMX In/Out socket: 3-pin XLR in/out

Power Socket: Powercon in/out

Protection Rating: IP20

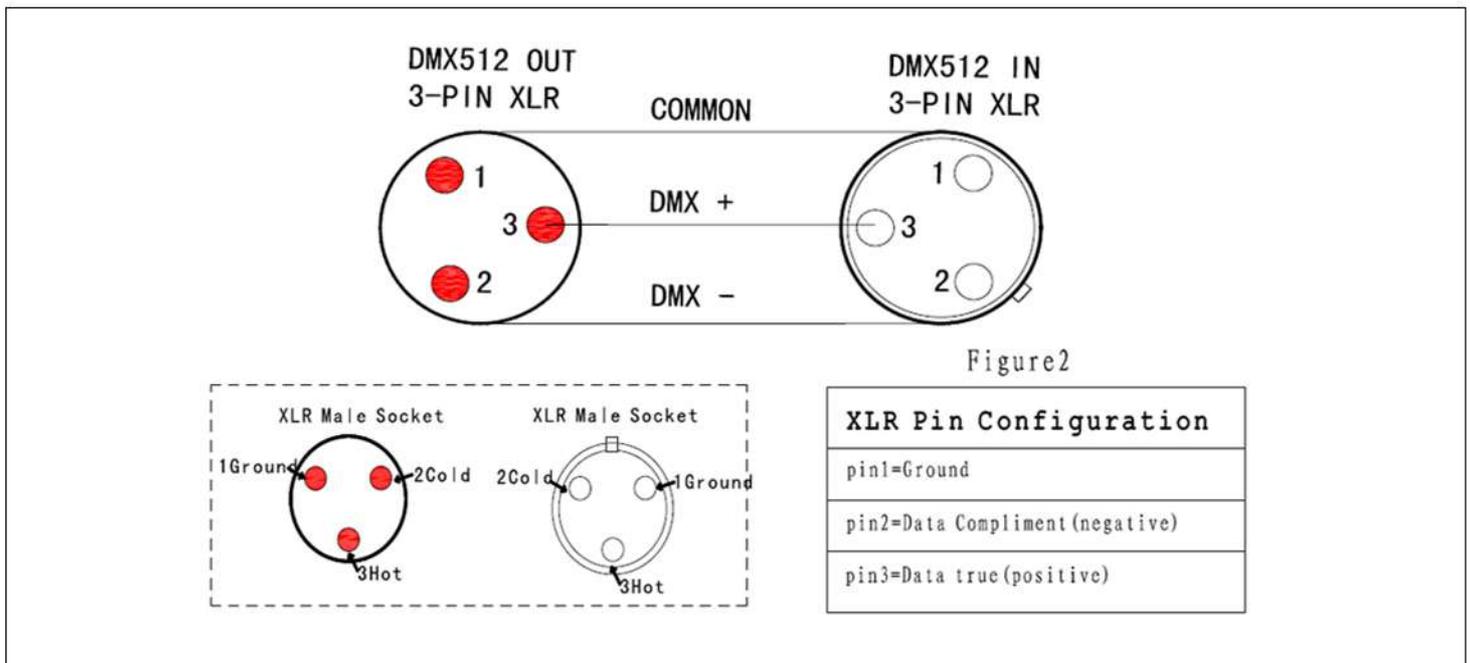**Size**

Packing Size: 220*190*410MM

Weight

Gross Weight: 10Kgs

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:

Set up	Operation mode	Console
		Voice control
		Demo 1
		Demo 2
		Demo 3
		Demo 4
		Random
	Address code	1-512
	Channel mode	16 channels
	Voice control sensitivity	1-99
	Horizontal reverse	On / off
	Vertical reverse	On / off
	Horizontal and vertical exchange	On / off
	Coding disk	On / off
	Signal Timeout	Cut light / hold
	Screen saver	On / off
	Linear color	On / off
	Restore factory settings	confirm
	Dimming	0-255

Manual mode	Stroboscopic	0-255
	Horizontal	0-255
	pan fine	0-255
	Vertical	0-255
	Tilt Fine	0-255
	Horizontal and vertical velocity	0-255
	color	0-255
	Gobo	0-255
	Prism 1	0-255
	Prism 1 rotation	0-255
	Prism 2	0-255
	Prism 2 rotation	0-255
	Focus	0-255
	go one's own way	0-255
	reset	>
Offset Offset	Horizontal offset	(-128) - (+127)
	Vertical offset	(-128) - (+127)
	Disc color offset	(-128) - (+127)
	Pattern disc offset	(-128) - (+127)
	Prism 1 offset	(-128) - (+127)
	Prism 2 offset	(-128) - (+127)
	Focus offset	(-128) - (+127)
	Language switching	confirm

Senior	Confirm that the screen is inverted	confirm
	Time reset	confirm
	Protection temperature	0-120
Hardware information	Hall level	X
	Vertical Hall	X
	Color dial Hall	X
	Pattern disc Hall	X
	Prism 1 hall	X
	Prism 2 hall	X
	Focusing Hall	X
	Horizontal coding disk	XX
	Horizontal stroke	XXXXX
	Vertical encoding disk	XX
	Vertical stroke	XXXXX
System Information	edition	XXXXXXXXXX
	Lamp service time	XXXXX
	Startup time	XXXXX
	Temperature	XXX

4. DMX CHANNEL TABLE

DMX 512   16CHs

CH	Function	DMX value	Describe
1	Pan	0-255	Pan
2	Pan Fine	0-255	Pan fine [16 bit]
3	Tilt	0-255	Tilt
4	Tilt Fine	0-255	Tilt fine [16 bit]
5	XY speed	0-255	Pan / tilt speed
6	Dimmer	0-255	Dimming 0-100%
7	Strobe	0-10	None
		11-255	Strobe from slow to fast
8	Color	0-4	White
		5-9	White + Color 1
		10-14	Color 1
		15-19	Color 1+ Color 2
		20-24	Color 2
		25-29	Color 2+ Color 3
		30-34	Color 3
		35-39	Color 3+ Color 4
		40-44	Color 4
		45-49	Color 4+ Color 5
		50-54	Color 5
		55-59	Color 5+ Color 6
		60-64	Color 6
		65-69	Color 6+ Color 7
		70-74	Color 7
		75-79	Color 7+ Color 8

		80-84	Color 8
		85-89	Color 8+ Color 9
		90-94	Color 9
		95-99	Color 9+ Color 10
		100-104	Color 10
		105-109	Color 10+ Color 11
		110-114	Color 11
		115-119	Color 11+ Color 12
		120-124	Color 12
		125-129	Color 12+ Color
		130-191	Clockwise rotation color from fast to slow
		192-255	CounterClockwise rotation color slow to fast
9	Fixed Gobo	0-9	White
		10-19	Gobo 1
		20-29	Gobo 2
		30-39	Gobo 3
		40-49	Gobo 4
		50-59	Gobo 5
		60-69	Gobo 6
		70-79	Gobo 7
		80-89	Gobo 8
		90-99	Gobo 9
		100-109	Gobo 10
		110-119	Gobo 11
		120-129	Gobo 12
		130-139	Gobo 13

		140-197	Clockwise rotation gobo from fast to slow
		198-255	Counter clockwise rotation gobo from slow to fast
10	Prism 1	0-127	Close
		128*255	Open
11	Prism 1 Rotation	0-127	Prism angle
		128-136	Prism rotation slow
		137-255	Prism rotation fast
12	Prism 2	0-127	Close
		128*255	Open
13	Prism 2 Rotation	0-127	Prism angle
		128-136	Prism rotation slow
		137-255	Prism rotation fast
14	Focus	0-255	Focus
15	Macro	0-5	None
		6-55	Show 1
		56-105	Show 2
		106-155	Show 3
		156-205	Show 4
		206-255	Random mode
		240-255	Sound alone
16	Reset	0-25	None
		26-76	Small motors reset
		77-127	XY Reset
		128-255	Whole light reset

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.