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Professional Moving Head Beam

Order Code: 7R BEAM A

DMX 512 LINKABLE AUTO

User Manual

Contents

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

A. The unit does no work, no light

1. Check the connect power and mains fuse.

2. Measure the mains voltage on the main connector.

B. Not responding to DMX controller

1. Check DMX connectors, cables to see if they are linked properly.

2. Check the address settings and DMX polarity.

3. If you have intermittent DMX signal problems, check the pins on the connectors or on PCB of the unit or the previous one.

4. Try to use another DMX controller.

5. Check to see if the DMX cable run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

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.
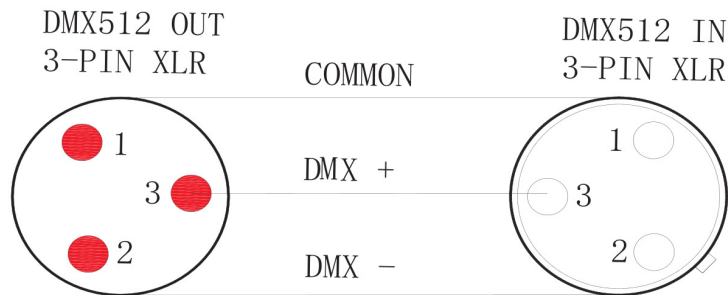
● Clean with soft cloth using normal glass cleaning fluid.

● Always dry the parts carefully.

● Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

Use universal DMX controller to control the packages, you have to set the DMX address from 1 to 512 channels so that the unit can receive the DMX signal.

When switch on the lighting, use the **JOG WHEEL** to choose the submenu **DMX 512 Control** to set the address. Once the address has been selected, press **ENTER** button to store.

Please find the following examples to address your DMX512 channel for the first 4 packages.

16CH Mode:	A001	A017	A033	A049
20CH Mode:	A001	A021	A041	A061

```
DMX512 OUT                          DMX512 IN
3-PIN XLR                           3-PIN XLR
                    COMMON
```
```
   1                                  1
                    DMX +
 3                                3
                    DMX -
   2                                  2
```

Termination reduces signal errors and to avoid signal transmission problems and interference. It is always advisable to connect a DMX terminal.
(Resistance 120ohm 1/4W) between pin2(DMX-) and pin3(DMX+) of the last fixture.

1.If you use a controller with 5 pins DMX output, you have to use a 5 to 3 pin adapter-cable.
2.At last unit, the DMX cable has to be terminated with a terminator. Solder a 120 ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last unit.

Warning

For your own safety, please read this user manual before operation.

Caution
**Before operating,make sure the voltage and frequence
of the power supply match the power requirements of the package.**

Safety Instructions:

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

Every person involved with the installation, operation and maintenance should:

● Be competent

● Follow the instructions of this user manual

Caution
**Take care using this equipment!
High voltage risk of electric shock.**

Before your initial star-up, please make sure that there is no damage caused during transportation. Should there be any, consult with the dealer and do not use the unit.

Make sure there are not flammable materials close to the unit while operating

To maintain the equipment in good work condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in the manual.

Damages caused by user modifications to the unit are not subject to warranty.

You should find the following items inside the carton packing:

1pc Moving Head Beam, 1set OMEGA clamps, 1pc DMX cable,

1pc User Manual

Technical Specifations

Voltage: AC110-240V,50/60HZ

Lamp: OSRAM P-VIP 230W lamp

Power consumption: 350W

Lens: 3-lens HQ optical group (0°- 3.9°focus)

Pan: 540degree (16bit)

Tilt: 270degree (16bit)

Color Wheel: 14 colors + open, with rainbow effect

Gobo Wheel: 17 gobo (with gobo shaking/gobo flow)+ open

Prism: 8-facet Rotating Prism

Packing Size: 450*400*503mm

Gross Weight: 20kg

Operation Modes: ● DMX mode: 16CH/20CH ● Master/Slave mode ● Auto

LCD display: Showing the menus and selected function

Control Pannel / ENTER:

Mains input: Powercon in

DMX input / output: Use 3-pin XLR cable to link items together

Switch ON/OFF

Main Functions:

DMX 512 Control (DMX Address Setting) -> Auto Run Mode -> Sound Run Mode -> EDIT Mode -> SAVE SENCE -> SELECT CHANNEL (Channel Mode) -> SELECT PAN (Pan reverse) -> SELECT TILT (Tilt reverse) -> LANGUAGE -> System key -> Adjust Restart (Set the value of Reset) -> Start value (Recover to factory setting) -> System Reset

Attention: When you link a lot of pieces together, please make sure to set the same channel mode (16CH or 20CH) for all of them in order to make sure their synchronization.

16CH/20CH

CH1	Color Wheel	CH9	Focus
CH2	Strobe	CH10	Pan
CH3	Dimmer	CH11	Pan Fine
CH4	Gobo Wheel	CH12	Tilt
CH5	Prism Insertion	CH13	Tilt Fine
CH6	Prism Rotation	CH14	Pan/Tilt Movement
CH7	No Function	CH15	Reset
CH8	Frost	CH16	Lamp
CH17	Pan/Tilt Speed		
CH18	Color Wheel Speed		
CH19	Focus Speed		
CH20	Gobo Wheel Speed		

} **Optional**

When you reset the lighting, please keep the Channel value at 255 for continuous 3s.

	0-127	No Function
CH16	128-200	OFF
	201-255	ON