

  
**LEDING**



# **HEXAPRISM**

## **USER MANUAL**

## **Content**

INTRODUCTION .....	4
DESCRIPTION.....	4
SAFETY INSTRUCTIONS .....	4
DMX-512 control connection .....	5
DMX-512 connection with DMX terminator .....	5
operation .....	5
Display Menu .....	5
DMX functions and values .....	7
CLEANING AND MAINTENANCE .....	13
INSTALLATION .....	13

## **INTRODUCTION**

Thank you for having chosen our LED lighting

Unpack the device, inside the box you should find:

The fixture device

One power cable

One XLR connection cable

This manual

Please check carefully that there is no damage caused by transportation. Should there be any problems, consult your dealer and don't install this device.

## **DESCRIPTION**

Features

- Light Source: 62 X0.25W RGB
- Power: Electronic 100-240V AC 50/60
- Rated Power: 150W
- Channel Mode: 19/67Ch
- Pan Movement: Infinity Pan Rotation
- Tilt Movement: Infinity Tilt Rotation
- Mirror Ball Rotation: Infinity Mirror Ball Rotation for directions
- Large Mirror: one high reflectivity glass mirror
- Hexagon Reflectors: 76 pcs polygon reflectors
- Fixture Size: 47.3\*30\*50CM
- Fixture Weight: 17KG
- Packaged Size: 56\*49\*53CM
- Packaged Weight: 20KG

## **SAFETY INSTRUCTIONS**

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

This device falls under protection-class I. Therefore it is essential that the device should be earthed.

The electric connection must carry out by qualified person.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

**Never look directly into the light source, as sensitive persons may suffer an epileptic shock.**

**Important:**

**Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.**

### **DMX-512 control connection**

The product has a DMX 512 input fitted with 3-pin XLR connectors. Screened cables in compliance with EIA RS-485 specifications and the following characteristics must be used for connections:

- 2 conductors plus screen
- 120Ohm impedance
- low capacitance
- max. transmission rate 250kBaud.

### **DMX-512 connection with DMX terminator**

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 OHM resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain.

## **operation**

### **Display Menu**

<b>Menu</b>	<b>Sub-menu</b>	
Set	DMX Address	
	Run Mode	
	Channel Mode	
	Invert Pan	
	Invert Tilt	
	Pan-Tilt Swap	

	Pan-Tilt Encoder	
	No DMX Signal	
	Display	
	Load Default	
Menu	1 Pan	255
	2 Pan Fine	127
	3 Pan Rotation	000
	4 Tilt	255
	5 Tilt Fine	127
	6 Tilt Rotation	000
	7 Pan-Tilt Speed	000
	8 Rotation	000
	9 E ect Dimmer	255
	10 Red	255
	11 Green	255
	12 Blue	255
	13 Shutter/Strobe	000
	14 E ect	000
	15 E ect Speed	000
	16 Color E ect	000
	17 Color E ect Speed	000
	18 Reset	000
System	DMX Monitor	
	System Errors	
	Motion Fixture Hours	00000:01
	LED Hours	00000:00
	Total Fixture Hours	00000:48
	Date:	Mar 16 2024
	Time:	0.387314815

## DMX functions and values

19Ch	Function	Description	Value	Init
1	Pan	Pan	0-255	127
2	Pan Fine	Pan Fine	0-255	127
3	Infinity Pan	No Function	0-5	0
		Clockwise Pan Rotation (fast to slow)	6- 125	
		Rotation Stop	126- 128	
		Counter Clockwise Pan Rotation (slow to fast)	128-255	
4	Tilt	Tilt	0-255	127
5	Tilt Fine	Tilt Fine	0-255	127
6	Infinity Tilt	No Function	0-5	0
		Clockwise Tilt Rotation (fast to slow)	6- 125	
		Rotation Stop	126- 128	
		Counter Clockwise Tilt Rotation (slow to fast)	128-255	
7	Pan Tilt Speed	Pan & Tilt Speed (fast to slow)	0-255	0
8	Mirror Ball	No Function	0-7	0
		Mirror Ball Clockwise Rotation (fast to slow)	8- 127	
		stop	128-135	
		Mirror Ball Counter Clockwise Rotation (slow to fast)	128-255	
9	Master Dimmer	Master Dimmer	0-255	255
10	Strobe	No Function	0-5	0

		Strobe (slow to fast)	6- 125	
		Random Strobe (slow to fast)	126- 128	
		Random Strobe Each Pixel (slow to fast)	128-255	
11	Ring Color	Red	0-255	255
12	Ring Color	Green	0-255	255
13	Ring Color	Blue	0-255	255
14	BackGroud Red	Red	0-255	255
15	BackGroud Green	Green	0-255	255
16	BackGroud Blue	Blue	0-255	255
17	Macro	No Function	0-9	0
		Macro Effect 1	10 月 24 日	
		Macro Effect 2	25-39	
		Macro Effect 3	40-54	
		Macro Effect 4	55-69	
		Macro Effect 5	70-84	
		Macro Effect 6	85-99	
		Macro Effect 7	100- 114	
		Macro Effect 8	115- 129	
		Macro Effect 9	130- 149	
		Macro Effect 10	150- 164	
		Macro Effect 11	165- 179	
		Macro Effect 12	180- 194	
		Macro Effect 13	195-209	

		Macro Effect 14	210-224	
		Macro Effect 15	225-239	
		Macro Effect 16	240-255	
18	Ring Macro Speed	Macro Forward Speed (fast to slow)	0- 127	0
		Macro Reverse Speed (slow to fast)	128-255	
19	Control	No Function	0-240	
		All Motor Reset (Hold for 5 Seconds)	241-255	

67CH	Function	Description	Value	Init
1	Pan	Pan	0-255	127
2	Pan Fine	Pan Fine	0-255	127
3	Infinity Pan	No Function	0-5	0
		Clockwise Pan Rotation (fast to slow)	6- 125	
		Rotation Stop	126- 128	
		Counter Clockwise Pan Rotation (slow to fast)	128-255	
4	Tilt	Tilt	0-255	127
5	Tilt Fine	Tilt Fine	0-255	127
6	Infinity Tilt	No Function	0-5	0
		Clockwise Tilt Rotation (fast to slow)	6- 125	
		Rotation Stop	126- 128	
		Counter Clockwise Tilt Rotation (slow to fast)	128-255	
7	Pan Tilt Speed	Pan & Tilt Speed (fast to slow)	0-255	0

8	Mirror Ball	No Function	0-7	0
		Mirror Ball Clockwise Rotation (fast to slow)	8- 127	
		stop	128-135	
		Mirror Ball Counter Clockwise Rotation (slow to fast)	128-255	
9	Master Dimmer	Master Dimmer	0-255	255
10	Ring Color	Red	0-255	255
11	Ring Color	Green	0-255	255
12	Ring Color	Blue	0-255	255
13	BackGroud Red	Red	0-255	255
14	BackGroud Green	Green	0-255	255
15	BackGroud Blue	Blue	0-255	255
16	Strobe	No Function	0-5	0
		Strobe (slow to fast)	6- 125	
		Random Strobe (slow to fast)	126- 128	
		Random Strobe Each Pixel (slow to fast)	128-255	
17	Macro	No Function	0-9	0
		Macro Effect 1	10 月 24 日	
		Macro Effect 2	25-39	
		Macro Effect 3	40-54	
		Macro Effect 4	55-69	
		Macro Effect 5	70-84	
		Macro Effect 6	85-99	
		Macro Effect 7	100- 114	
		Macro Effect 8	115- 129	
		Macro Effect 9	130- 149	
		Macro Effect 10	150- 164	

		Macro Effect 11	165- 179	
		Macro Effect 12	180- 194	
		Macro Effect 13	195-209	
		Macro Effect 14	210-224	
		Macro Effect 15	225-239	
		Macro Effect 16	240-255	
18	Ring Macro Speed	Macro Forward Speed (fast to slow)	0- 127	0
		Macro Reverse Speed (slow to fast)	128-255	
19	Ring Segment	Red Segment 1	0-255	0
20	Ring Segment	Green Segment 1	0-255	0
21	Ring Segment	Blue Segment 1	0-255	0
22	Ring Segment	Red Segment 2	0-255	0
23	Ring Segment	Green Segment 2	0-255	0
24	Ring Segment	Blue Segment 2	0-255	0
25	Ring Segment	Red Segment 3	0-255	0
26	Ring Segment	Green Segment 3	0-255	0
27	Ring Segment	Blue Segment 3	0-255	0
28	Ring Segment	Red Segment 4	0-255	0
29	Ring Segment	Green Segment 4	0-255	0
30	Ring Segment	Blue Segment 4	0-255	0
31	Ring Segment	Red Segment 5	0-255	0
32	Ring Segment	Green Segment 5	0-255	0
33	Ring Segment	Blue Segment 5	0-255	0
34	Ring Segment	Red Segment 6	0-255	0
35	Ring Segment	Green Segment 6	0-255	0
36	Ring Segment	Blue Segment 6	0-255	0
37	Ring Segment	Red Segment 7	0-255	0
38	Ring Segment	Green Segment 7	0-255	0

39	Ring Segment	Blue Segment 7	0-255	0
40	Ring Segment	Red Segment 8	0-255	0
41	Ring Segment	Green Segment 8	0-255	0
42	Ring Segment	Blue Segment 8	0-255	0
43	Ring Segment	Red Segment 9	0-255	0
44	Ring Segment	Green Segment 9	0-255	0
45	Ring Segment	Blue Segment 9	0-255	0
46	Ring Segment	Red Segment 10	0-255	0
47	Ring Segment	Green Segment 10	0-255	0
48	Ring Segment	Blue Segment 10	0-255	0
49	Ring Segment	Red Segment 11	0-255	0
50	Ring Segment	Green Segment 11	0-255	0
51	Ring Segment	Blue Segment 11	0-255	0
52	Ring Segment	Red Segment 12	0-255	0
53	Ring Segment	Green Segment 12	0-255	0
54	Ring Segment	Blue Segment 12	0-255	0
55	Ring Segment	Red Segment 13	0-255	0
56	Ring Segment	Green Segment 13	0-255	0
57	Ring Segment	Blue Segment 13	0-255	0
58	Ring Segment	Red Segment 14	0-255	0
59	Ring Segment	Green Segment 14	0-255	0
60	Ring Segment	Blue Segment 14	0-255	0
61	Ring Segment	Red Segment 15	0-255	0
62	Ring Segment	Green Segment 15	0-255	0
63	Ring Segment	Blue Segment 15	0-255	0
64	Ring Segment	Red Segment 16	0-255	0
65	Ring Segment	Green Segment 16	0-255	0
66	Ring Segment	Blue Segment 16	0-255	0
67	Control	No Function	0-240	
		All Motor Reset (Hold for 5 Seconds)	241-255	

## **CLEANING AND MAINTENANCE**

We recommend a frequent cleaning of the device. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents!

**CAUTION! Disconnect from mains before starting maintenance operation.**

There are no servicable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

If you need any spare parts, please use genuine parts.

If the power supply cable of this device becomes damaged, it has to be replaced by authorized dealers only in order to avoid hazards.

If you have further questions, please contact your dealer.

## **INSTALLATION**

The device must only be installed at a vibration-free, oscilation-free and fire-resistant location.