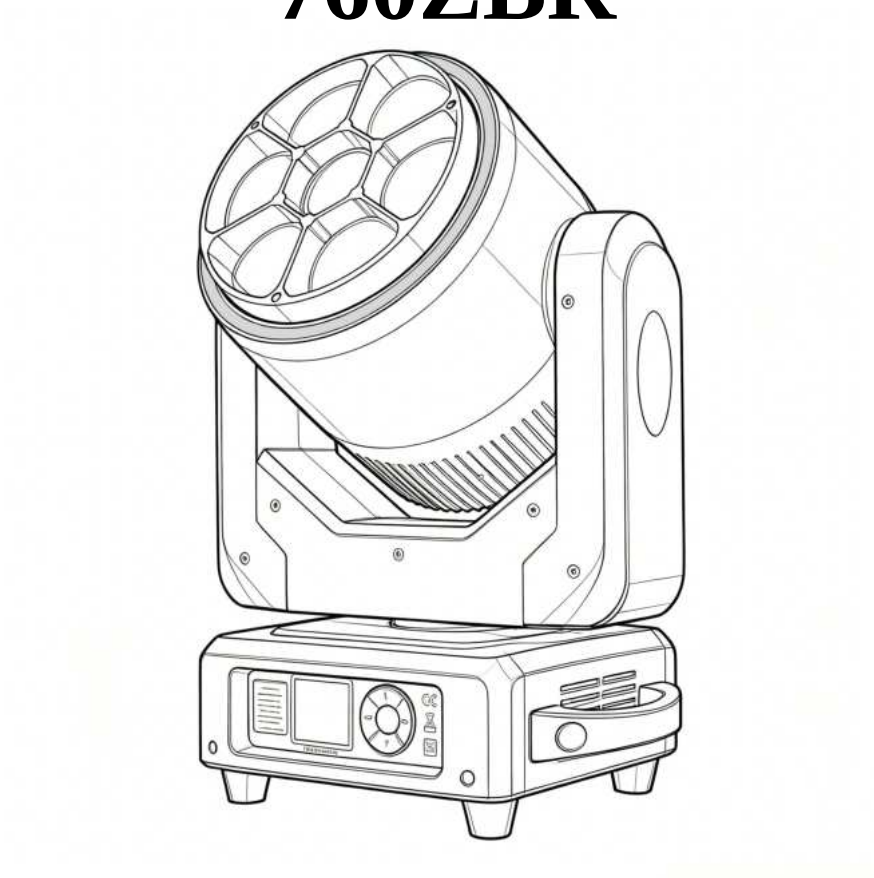
MINI 7pcs 60W RGBW LED

Pixel Bee Eye Zoom Wash with Ring RGB

LED Moving Head Light

760ZBR



User Manual

Ver1.0

Table of contents

INTRODUCTION ……..2

SAFETY INSTRUCTIONS……2

OPERATING DETERMINATIONS……..2

DESCRIPTION OF THE DEVICE……3

INSTALLATION……..3

OPERATION……..4

STAND ALONEOPERATION…… ……4

MASTER SLAVE OPERATION……..4

DMX CONTROL OPERATION……..4

ADDRESSING……..4

CONTROL BOARD……..4

DMX PROTOCOL ……..6

TECHNICAL SPECIFICATIONS……15

CAUTION !

Keep this device away from rain and moisture

Unplug mains lead before opening the housing

For your own safety, please read this user manual carefully before you initially start-up

Every person involved with installation. operation and maintenance of this fixture has to

- be qualified
- follow the instruction of this manual
- consider this manual to be part of the total product
- Keep this manual for the entire service life of the product
- pass this manual to every future owner or use of the product

INTRODUCTION

Thank you for choosing our fixture, if you follow up the instruction given in this manual we be sure that you will enjoy this product for a long period of time

SAFETY INSTRUCTION

CAUTION!

Be careful with your operations, With a dangerous voltage you can suffer a dangerous electric shock when touching the wires.

This device has left our premises in absolutely 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 instruction and warning notes written in this user manual.

Important: Damages caused by the disregard of this user manual are not subject o warranty, the dealer will not accept liability for any resulting defects of problem. If the device had been exposed to drastic temperature fluctuation (e.g. after transportation),do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it had reached room temperature. Please make sure that there are no obvious transport damages, should you notice any damages on the AC connection cable or on the casing, do not take the device into operation and immediately consult your local dealer.

OPERATING DETERMINATIONS

This device is designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects. Do not shake the device. Avoid brute force when installing or operation the device. Never lift the fixture by holding it at the projector-head. As the mechanics may be damaged. When choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. There should not be any cable lying around. Please make sure that the fixture can not be touched or bumped. Your endanger your own and the safety of others.

DESCRIPTION OF THE DEVICE

Features

* 90-240 V AC, 50/60 Hz
* Power: 550 W
* 7 x 60W RGBW 4-in-1 color-mixing bee-eye LEDs
* Outer ring 0.2W RGB LED
* Control Methods: DMX 512, Auto, Master/Slave, Sound Control ,RDM and Manual
* DMX Channel Modes: (30H/42H/58CH)
* Beam Angle: 4°–60° Linear Zoom Adjustment
* Color Mixing System: RGBW mixing system delivers smooth,

uniform color blending without flicker,producing vibrant rainbow effects

* Functions: Color wash, strobe, zoom, honeycomb beam effect,ring LED effect
* Pan: 540° (16-bit) motorized adjustment,Tilt: 270° (16-bit) motorized adjustment
* Dimming: 0 - 100% dimmer,Strobe: 1-25/second high speed strobe
* Display: LCD screen with bilingual (Chinese/English) interface for quick operation and menu navigation.
* Luminaire Material: New fire-resistant engineering plastic material
* Operating Temperature: -20°C to 40°C
* Product size: 275*210*365MM,Net Weight: 6.8KG

INSTALLATION

Rigging

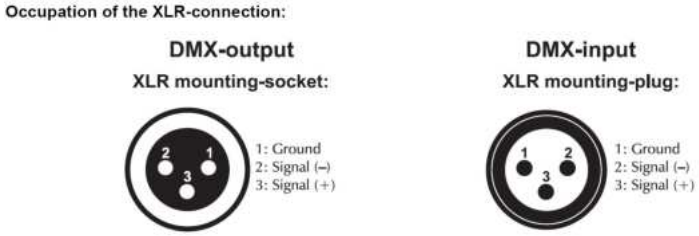
The installation of the projector has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

IMPORTANT!OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and or damage to property. The projector had to be installed out of the reach of people

DANGER OF FIRE! When installing the device, make sure there is no highly-inflammable material(decoration articles, etc.)within a distance of min.0.5m.

DMX 512 connection/ connection between fixture

The wires must not come into contact with each other, otherwise the fixture will not work at all or properly. Please note the starting address depends upon which controller is being used. Only use a DMX cable and 3-pin/5-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture to another Connection with the mains.



The occupation of the connection-cables is as follows:

Cable	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	⏚

The earth has to be connected. The device must only be connected with an electric installation carried out in compliance with IEC standards.

OPERATION

After you connected the effect to the mains, the power cable must be 1.5mm².The fixture starts running.

Stand Alone operation

In the stand alone mode, the fixture can be use without controller

Master/slave-operation

The master/slave-operation enables that several devices can be synchronized and controlled by one master-device

DMX controlled operation

You can control the projectors individually via your DMX-controller

Addressing

The control board allows you to assign the DMX starting address,

Note;it's necessary to insert the XLR termination plug (with 120ohm) in the last device in the link in order to ensure proper transmission on the DMX data link.

MENU MAP

Main Menu	Second	Third	Fourth
Dmx Address	000 - 512		
Fixture	Dmx Mode	30CH / 42CH / 58CH	
	Run Mode	DMX / Host	
	Pan Invert	Close / Open	
	Tilt Invert	Close / Open	
	Dmx Signal	Clear / Hold	
Manual	Pan	000 - 255	
	Pan Fine	000 - 255	
	Tilt	000 - 255	
	Tilt Fine	000 - 255	
	⋮	⋮	
Information	Time	Current Time	xxxH
		Total Time	xxxH
		Power Count	xxx
	Sensor	All Sensors are ok/ Pan、 Tilt、Zoom、ZoomRo、 Temp	

	Temperature	Head Temp	xxxC
		Fan Speed	xxxxRPM
	Software Version	Panel	Vx.xx
		Motor	Vx.xx
		Dimmer	Vx.xx
Factory	Password	000 - 255	
	Pan	000 - 255	
	Tilt	000 - 255	
	Zoom	000 - 255	
	ZoomRo	000 - 255	
	Red	000 - 255	
	Green	000 - 255	
	Blue	000 - 255	
	White	000 - 255	
Fixture Reset	Motor Reset	Cance / Run	
	Factory	Cance / Run	
Display	Language	CH / EN	
	Display Flip	Normal / Reverse	
	Display Mode	60s / Show	

DMX-protocol

30/42/58 DMX channel mode

DMX 30CH

Channel	Function	Dmx Value	Description
1	Pan	0 - 255	Horizontal control
2	Pan fine	0 - 255	Horizontal fine-tuning control
3	Tilt	0 - 255	Vertical control
4	Tilt fine	0 - 255	Vertical fine-tuning control
5	P&T speed	0 - 255	P&T speed from fast to slow
6	Zoom	0 - 255	Zoom
7	Zoom rotation	0 - 127	0 ~ 60 degrees
		128 - 190	Clockwise polar rotation
		191 - 192	Stop
		193 - 255	Counterclockwise and infinite rotation
8	Dimmer	0 - 255	Linear dimming occrus from dark to light

9	Strobe	0 - 3	Lighting off
		4 - 103	Synchronous strobe speed is ranging from slow to fast
		104 - 107	Light up
		108 - 207	Flat-split strobe speed is ranging from slow to fast
		208 - 212	Light up
		213 - 225	Low speed random flash
		226 - 238	Medium speed random flash
		239 - 251	High speed random flash
		252 - 255	Light up
10	Red	0 - 255	Red dimming
11	Green	0 - 255	Green dimming
12	Blue	0 - 255	Blue dimming
13	White	0 - 255	White dimming
14	Linear CTO	0 - 255	Linear color temperature regulation
15	Macro Color	0 - 255	Color macro function
16	Static effect	0 - 255	Static effect
17	Dynamic effect	0 - 255	Dynamic effect
18	Effect speed	0 - 255	Effect speed
19	Background R	0 - 255	The background is red
20	Background G	0 - 255	The background is green
21	Background B	0 - 255	The background is blue
22	Background W	0 - 255	The background is white
23	Reset	0 - 250	NF
		251 - 255	The lamp body reset was valid for 5s
24	Lamp Strip Total Dimming	0-255	Linear dimming from dark to light
25	Lamp Strip Strobe	0-255	Fast-slow
26	Strip R	0-255	Linear dimming from dark to light
27	Strip G	0-255	Linear dimming from dark to light
28	Strip B	0-255	Linear dimming from dark to light
29	Strip Effect	0-255	10 counts for one effect
30	Strip Effect Speed	0-255	Slow to fast

DMX 42CH

Channel	Function	Dmx Value	Description
1	Red	0 - 255	Red dimming
2	Red fine	0 - 255	Red fine turning
3	Green	0 - 255	Green dimming
4	Green fine	0 - 255	Green fine turning

5	Blue	0 - 255	Blue dimming
6	Blue fine	0 - 255	Blue fine turning
7	White	0 - 255	White dimming
8	White fine	0 - 255	White fine turning
9	Linear CTO	0 - 255	Linear color temperature regulation
10	Macro Colour	0 - 255	Color macro function
11	Strobe	0 - 3	Lighting off
		4 - 103	Synchronous strobe speed is ranging from slow to fast
		104 - 107	Light up
		108 - 207	Flat-split strobe speed is ranging from slow to fast
		208 - 212	Light up
		213 - 225	Low speed random flash
		226 - 238	Medium speed random flash
		239 - 251	High speed random flash
		252 - 255	Light up
12	Dimmer	0 - 255	Linear dimming occrus from dark to light
13	Dimmer fine	0 - 255	Tuning fine-tuning control
14	Pan	0 - 255	Horizontal control
15	Pan fine	0 - 255	Horizontal fine-tuning control
16	Tilt	0 - 255	Vertical control
17	Tilt fine	0 - 255	Vertical fine-tuning control
18	Function	0 - 255	Obligate
19	Reset	0 - 250	NF
		251 - 255	The lamp body reset was valid for 5s
20	Zoom	0 - 255	Foucus
21	Zoom rotation	0 - 127	0 ~ 60 degrees
		128 - 190	Clockwise polar rotation
		191 - 192	Stop
		193 - 255	Counterclockwise and infinite rotation
22	Shape selection	0 - 255	Shape rotation
23	Shape speed	0 - 255	Shape effect speed control
24	Shape fade	0 - 255	Shape effect is downplayed

25	Shape R	0 - 255	The shape effect is red
26	Shape G	0 - 255	The shape effect is green
27	Shape B	0 - 255	The shape effect is blue
28	Shape W	0 - 255	The shape effect is white
29	Shape dimmer	0 - 255	The effect with 0-100% dimming
30	Background dimmer	0 - 255	Background for 0-100% dimming
31	Shape transition	0 - 255	The shape effect change control
32	Shape offset	0 - 255	The effect angle adjustment
33	Foreground strobe	0 - 255	Foreground strobe
34	Background strobe	0 - 255	Background strobe
35	Background select	0 - 255	Background selection
36	Lamp Strip Total Dimming	0-255	Linear dimming from dark to light
37	Lamp Strip Strobe	0-255	Fast-slow
38	Strip R	0-255	Linear dimming from dark to light
39	Strip G	0-255	Linear dimming from dark to light
40	Strip B	0-255	Linear dimming from dark to light
41	Strip Effect	0-255	10 counts for one effect
42	Strip Effect Speed	0-255	Slow to fast

DMX 58CH

Channel	Function	Dmx Value	Description
1	Pan	0 - 255	Horizontal control
2	Pan fine	0 - 255	Horizontal fine-tuning control
3	Tilt	0 - 255	Vertical control
4	Tilt fine	0 - 255	Vertical fine-tuning control
5	P&T speed	0 - 255	P&T speed from fast to slow
6	Zoom	0 - 255	Zoom
7	Zoom rotation	0 - 127	0 ~ 60 degrees
		128 - 190	Clockwise polar rotation
		191 - 192	Stop
		193 - 255	Counterclockwise and infinite rotation
8	Dimmer	0 - 255	Linear dimming occrus from dark to light
9	Strobe	0 - 3	Lighting off
		4 - 103	Synchronous strobe speed is ranging from slow to fast

		104 - 107	Light up
		108 - 207	Flat-split strobe speed is ranging from slow to fast
		208 - 212	Light up
		213 - 225	Low speed random flash
		226 - 238	Medium speed random flash
		239 - 251	High speed random flash
		252 - 255	Light up
10	Red	0 - 255	Red dimming
11	Green	0 - 255	Green dimming
12	Blue	0 - 255	Blue dimming
13	White	0 - 255	White dimming
14	Linear CTO	0 - 255	Linear color temperature regulation
15	Macro Color	0 - 255	Color macro function
16	Static effect	0 - 255	Static effect
17	Dynamic effect	0 - 255	Dynamic effect
18	Effect speed	0 - 255	Effect speed
19	Background R	0 - 255	The background is red
20	Background G	0 - 255	The background is green
21	Background B	0 - 255	The background is blue
22	Background W	0 - 255	The background is white
23	Reset	0 - 250	NF
		251 - 255	The lamp body reset was valid for 5s
24	R1 led dimming	0 - 255	R1 led dimming
25	G1 led dimming	0 - 256	G1 led dimming
26	B1 led dimming	0 - 257	B1 led dimming
27	W1 led dimming	0 - 258	W1 led dimming
.....	.....	.....	.....
.....	.....	.....	.....
48	R7 led dimming	0 - 255	R7 led dimming
49	G7 led dimming	0 - 256	G7 led dimming
50	B7 led dimming	0 - 257	B7 led dimming
51	W7 led dimming	0 - 258	W7 led dimming
52	Lamp Strip Total Dimming	0-255	Linear dimming from dark to light
53	Lamp Strip Strobe	0-255	Fast-slow

54	Strip R	0-255	Linear dimming from dark to light
55	Strip G	0-255	Linear dimming from dark to light
56	Strip B	0-255	Linear dimming from dark to light
57	Strip Effect	0-255	10 counts for one effect
58	Strip Effect Speed	0-255	Slow to fast

TECHNICIAL SPECIFICATIONS

Model	M WASH 760ZBR LED Wash Moving Head
Voltage	90V- 240V AC, 50/60Hz
Power consumption:	550W
LED	Main LEDs: 7pcs 60W RGBW 4-in-1 LEDs
	Outer Ring LEDs: 0.2W RGB 3-in-1 LEDs
Net Weight	6.80Kgs
Dimensions	275*210*365MM