

# New ECO

## 19x40W Bee Eye Led Moving Head Light



## Operation Manual

**Parameters:**

**Voltage: AC100V-240V 50-60Hz**

**Rated Power: 750W**

**Light Source: 19x40W RGBW 4in1 LEDs**

**Color Temperature: 2800K-8500K**

**Led Lifetime: 50000 hours**

**Display: Colorful display**

**Control: DMX512, Auto Run, Sound**

**Channels:21CH,23CH,35CH,78CH,111CH**

**Pan: 540°**

**Tilt: 240°**

**Strobe: 1-25pcs/second, random**

**Effects: CTO, Wash, Beam , Zoom, RGBW Full Colors Control, Effect Mode(windmill, kaleidoscope), Lens Plate Variable Direction Infinite Rotation**

**Menu Operation:**

Main Menu	Second	Third	Fourth
Dmx Address	001 - 512		
Fixture	Dmx Mode	21CH / 23CH / 35CH / 78CH / 111CH	
	Run Mode	DMX / Host / Sound	
	Pan Invert	Close / Open	
	Tilt Invert	Close / Open	
	Sensitivity	0 - 99	
Manual	Pan	000 - 255	
	Pan Fine	000 - 255	
	Tilt	000 - 255	
	Tilt Fine	000 - 255	
	⋮	⋮	
Information	Temperature	Head Temp	xxx°C
	Software Version	Panel	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	
<b>Fixture Reset</b>	Motor Reset	Cance / Run	
	Factory	Cance / Run	
<b>Display</b>	Language	CH / EN	
	Display Flip	Normal / Reverse	
	Display Mode	60s / Show	

**21CH Mode**

CH	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 occurs 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	Focus
21	Zoom rotation	0 - 127	0 ~ 60 degrees
		128 - 190	Clockwise polar rotation
		191 - 192	Stop
		193 - 255	Counterclockwise and infinite rotation

**23CH Mode**

CH	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 occurs 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

**35CH Mode**

CH	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 occurs 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	Focus
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

**78CH Mode**

CH	Function	Dmx Value	Description
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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 occurs 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	Focus
21	Zoom rotation	0 - 127	0 ~ 60 degrees
		128 - 190	Clockwise polar rotation
		191 - 192	Stop
		193 - 255	Counterclockwise and infinite rotation
22	Red 1	0 - 255	R1 led dimming
23	Green 1	0 - 255	G1 led dimming
24	Blue 1	0 - 255	B1 led dimming
⋮	⋮	⋮	⋮
76	Red 19	0 - 255	R19 led dimming
77	Green 19	0 - 255	G19 led dimming
78	Blue 19	0 - 255	B19 led dimming

**111CH Mode**

CH	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 occurs 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	Shape speed	0 - 255	Shape effect speed control
20	Shape fade	0 - 255	Shape effect is downplayed
21	Shape R	0 - 255	The shape effect is red
22	Shape G	0 - 255	The shape effect is green
23	Shape B	0 - 255	The shape effect is blue
24	Shape W	0 - 255	The shape effect is white
25	Shape dimmer	0 - 255	The effect with 0-100% dimming
26	Background dimmer	0 - 255	Background for 0-100% dimming
27	Shape transition	0 - 255	The shape effect change control
28	Shape offset	0 - 255	The effect angle adjustment
29	Foreground strobe	0 - 255	Foreground strobe
30	Background strobe	0 - 255	Background strobe
31	Background select	0 - 255	Background selection
32	Reset	0 - 250	NF
		251 - 255	The lamp body reset was valid for 5s
33	Zoom	0 - 255	Focus
34	Zoom rotation	0 - 127	0 ~ 60 degrees
		128 - 190	Clockwise polar rotation
		191 - 192	Stop
		193 - 255	Counterclockwise and infinite rotation
35	Red 1	0 - 255	R1 led dimming
36	Green 1	0 - 255	G1 led dimming

37	Blue 1	0 - 255	B1 led dimming
38	White 1	0 - 255	W1 led dimming
⋮	⋮	⋮	⋮
108	Red 19	0 - 255	R19 led dimming
109	Green 19	0 - 255	G19 led dimming
110	Blue 19	0 - 255	B19 led dimming
111	White 19	0 - 255	W19 led dimming

## Maintenance and Cleaning

The following points have to be considered during the inspection:

1. All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
2. There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
3. Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
4. The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



### **CAUTION!**

Disconnect from mains before starting maintenance operation.

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents. There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions" .Should you need any spare parts, please order genuine parts from your local dealer