

37 pieces 40W Bee's Eye Specification



1. Remove the packaging

For proper and safe use, please read the instructions carefully before installing and using this product. This specification contains important installation and application information. Please strictly follow the operation procedures when installing and operating the product. At the same time, please keep this instruction manual properly.

37PCS40W bee eyes are designed and produced strictly following the CE standard, in line with the international standard DMX512 signal protocol, can be used alone control, can also be used online, with the characteristics of fast rotation, low noise, powerful function, suitable for small and medium-sized concerts, theaters, studios, nightclubs and bars and other places.

Please remove the package carefully, check whether the product is damaged during transportation, and check whether the following contents are complete.

37PCS40W bee eyes- - - -1	Signal line- - - -1
Manual- - - -1	This power cable- - - -1

2. Menu

menu		Sublevel menu	Three-level menu / parameters
Shortcut menu interface		return	Return to the main interface
		centre /EN	In / English
		Is showing	The display screen is flipped
		set up	Enter the Setup interface
Set the interface	System Settings	work pattern	Artnet / DMX / Artnet + DMX / self-walking 1 / self-walking 2 / voice control
		channel pattern	22CH/36CH/133CH/147CH /170CH
		Default position of X axis	000-255
		Default position of Y axis	000-255
		X axis reversal	Open / close
		Y axis reversal	Open / close
		XY axis exchange	Open / close
		The XY-axis fast mode	Open / close
		The signal to keep	Open / close
		Optical coupling error correction	Open / close
		Hall error correction	Open / close
		Quick dimming	Open / close
		Backlit time	15s / 30s / 60s / bright
		The dimming curve	Curves 1-4
		Lighting mode	Pass / 750W / 1000W / 1200W / 2000W / 2500W

		factory data reset	Confirm / cancel
	manual mode	Manual control of the channel values	000-255
	system calibration	enter password	Lighting calibration
	senior	Go back to the next level	
		network (IP/MS)	Increase, decrease, and determine
		Package (Net (0-127)) / Sub _ Uni	Increase, reduce
		Light head reset	
		XY reset	
		Full reset	
	system info	Reset information	Display the specific information and content
		And DMX data detection	Display the specific DMX detection content
		sensor information	Display the optical coupling, Hall specific information
		Hardware version	Displays the hardware version number
		software release	Displays the software version number

➤ **Screen automatic rotation function**

The system can automatically rotate the screen according to the direction of gravity, without manual rotation. You can also turn off the automatic rotation function.

➤ **manual control**

This interface is used to control the current lamp, as detailed in the channel table.

Press OK to enter the edit state. Press Up and Down to change the channel value. Press OK again to save the modified value, exit editing, and press Exit not to save the modified value, and directly exit editing.

➤ **system calibration**

Here to set a layer of password to prevent non-professionals from misoperation. Press OK to verify the password.

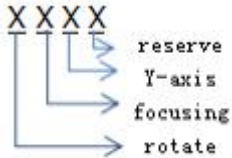
option	explain
Initial position calibration	After entering the sub-interface, the reset position of X axis, Y axis, focusing and rotation can be adjusted to make up for the error in hardware installation. The adjustment range of 0~255,127 means no adjustment.
white balance CAL	Adjustable light and LED1-37 red, green, blue, white power, adjustment range 0~255,255 means no adjustment.
calibration of power	The maximum power of the adjustable whole lamp, and the adjustment range of 0~255,255 means no adjustment.
Sound control sensitivity	Adjust the sound-control sensitivity.
change password	Set the system calibration password.

➤ **senior**

Press Up and Down to switch the reset mode, and press OK to reset directly.

option	explain
network (IP/MS)	Increase, decrease, and determine
Package (Net (0-127)) / Sub _ Uni	Increase, reduce
Light head reset	Focal adjustment, rotating motor reset
XY reset	XY axis reduction
Full reset	Lamps reset

◆ system info

option	explain
Reset the error message	If the red ERR indicator is illuminated, the lamp is running wrong: 1) IC1 communication fault (communication failure between motor and display board) 2) X / Y optical coupling error reporting 3) Focus adjustment and rotation reset failed
And DMX data monitoring	From this, you can enter the subinterface to display the channel values for viewing and turn the page
sensor information	1) Hall:  2) sensor: X and Y optical coupling: <u>XXXX</u>--<u>XXXX</u> 
Hardware version number	Lighting hardware information <u>XX</u> . <u>XX</u> . <u>XX</u> .XX ↓ ↓ ↓ Display board version. Motor version. Lamp version
Software version number	Lamp software version <u>XX</u> . <u>XX</u> . <u>XX</u> .XX ↓ ↓ ↓ Display board version. Motor version. Lamp version

3 .Channel table

22 channel (22CH)	22+RGB channel (133CH)	22+RGBW channel (170CH)	function	DMX numeric value	description
1	1	1	red	0-255	Red for linear dimming from dark to bright
2	2	2	Red fine tuning	0-255	Red is linearly fine-tuned from dark to bright
3	3	3	green	0-255	Green for linear dimming from dark to bright
4	4	4	Green fine-tuning	0-255	Green is fine-tuned from dark to bright
5	5	5	blue	0-255	Blue for linear dimming from dark to bright
6	6	6	Blue fine-tuning	0-255	Blue is linear fine-tuned from dark to bright
7	7	7	white	0-255	White for linear dimming from dark to bright
8	8	8	White fine tuning	0-255	White is fine-tuned from dark to bright
9	9	9	colour temperature	0-255	Linear color temperature regulation
10	10	10	dye	0-255	Built-in color gradient
11	11	11	stroboflash	0-3	lighting-off
				4-103	Synchronous strobe speed from slow to fast (1 HZ-25 HZ)

				104-107	light up
				108-207	Equecting strobe speed from slow to fast (1 HZ-25 HZ)
				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	12	12	Total dimming	0-255	Linear dimming, from dark to bright
13	13	13	Tuning fine- tuning	0-255	Tuning fine- tuning control
14	14	14	X axle	0-255	0-540 degrees
15	15	15	X axis fine- tuning	0-255	The 16bit is adjustable
16	16	16	Y axle	0-255	0-205 degrees
17	17	17	Y axis fine- tuning	0-255	The 16bit is adjustable
18	18	18	function	0-255	obligate
19	19	19	reset	0-25	NF
				26-76	The lamp head reset is valid for 5s
				77-127	The XY reset for 5s is valid
				128-255	All the reset for 5s is valid
20	20	20	focus	0-255	The angle is linearly regulated from small to large

21	21	21	revolve	0-127	0~60 Degrees
				128-188	Counterclockwise from fast to slow infinite turn
				189-193	Rotation stops
				194-255	Cturn from slow to fast
22	22	22	frequency	0-31	1K frequency
				32-63	Frequency of 1.5K
				64-95	2K frequency
				96-127	2.5K frequency
				128-159	3K frequency
				160-191	4K frequency
				192-223	6K frequency
				224-255	10K frequency
	23	23	R1 LED Dimming	0-255	R1 LED Dimming
	24	24	G1 LED Dimming	0-255	G1 LED Dimming
	25	25	B1 LED Dimming	0-255	B1 LED Dimming
		26	W1 LED Dimming	0-255	W1 LED Dimming
	...	...	...	...	
	131	167	R37 LED Dimming	0-255	R37 LED Dimming
	132	168	G37 LED Dimming	0-255	G37 LED Dimming
	133	169	B37 LED Dimming	0-255	B37 LED Dimming
		170	W37 LED Dimming	0-255	W37 LED Dimming

36 channel	36+RGB channel (147)	function	DMX numeric value	description
1	1	red	0-255	Red for linear dimming from dark to bright
2	2	Red fine tuning	0-255	Red is linearly fine-tuned from dark to bright
3	3	green	0-255	Green for linear dimming from dark to bright
4	4	Green fine-tuning	0-255	Green is fine-tuned from dark to bright
5	5	blue	0-255	Blue for linear dimming from dark to bright
6	6	Blue fine-tuning	0-255	Blue is linear fine-tuned from dark to bright
7	7	white	0-255	White for linear dimming from dark to bright
8	8	White fine tuning	0-255	White is fine-tuned from dark to bright
9	9	colour temperature	0-255	Linear color temperature regulation
10	10	dye	0-255	Built-in color gradient
11	11	strobeflash	0-3	lighting-off
			4-103	Synchronous strobe speed from slow to fast (1 HZ-25 HZ)
			104-107	light up
			108-207	Equecting strobe speed from slow to fast (1 HZ-25 HZ)
			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	12	Total dimming	0-255	Linear dimming, from dark to bright
13	13	Tuning fine-tuning	0-255	Tuning fine-tuning control
14	14	X axle	0-255	0-540 degrees
15	15	X axis fine-tuning	0-255	The 16bit is adjustable
16	16	Y axle	0-255	0-205 degrees
17	17	Y axis fine-tuning	0-255	The 16bit is adjustable
18	18	function	0-255	obligate
19	19	reset	0-25	NF
			26-76	The lamp head reset is valid for 5s
			77-127	The XY reset for 5s is valid
			128-255	All the reset for 5s is valid
20	20	focus	0-255	The angle is linearly regulated from small to large
21	21	revolve	0-127	0~60 Degrees
			128-188	Counterclockwise from fast to slow infinite turn
			189-193	Rotation stops
			194-255	Cturn from slow to fast
22	22	Dynamic effect (Mateffect color)	0-7	not have
			8	Static effect 1
			9	Static effect 2
			10	Static effect 3
			11	not have
			12	Static effect 4

			13	Static effect 5
			14	not have
			15	Dynamic effect 1
			16	Dynamic effect 2
			17	Dynamic effect 3
			18	Dynamic effect 4
			19	Monochromatic random
			20	Full color random
			21	Rainbow Effect 1
			22	Rainbow Effect 2
			23	Dynamic effect 5
			24	Dynamic effect 6
			25	Dynamic effect 7
			26	Dynamic effect 8
			27	Dynamic effect 9
			28	Dynamic effect 10
			29	Dynamic effect 11
			30	Dynamic effect 12
			31	Dynamic effects 13
			32	Dynamic effects 14
			33	not have
			34	not have
			35	Dynamic effect 15
			36	Dynamic effects 16

			37	Dynamic effects 17
			38	Dynamic effects 18
			39	Dynamic effects 19
			40	Dynamic effect 20
			41	not have
			42	Dynamic effect 21
			43	not have
			44	Dynamic effect 22
			45	Dynamic effect 23
			46	Dynamic effects 24
			47	Dynamic effect 25
			48	Dynamic effects 26
			49	Dynamic effects 27
			50	Dynamic effect 28
			51	Dynamic effects 29
			52	Dynamic effect 30
			53	Dynamic effects 31
			54	Dynamic effects 32
			55	Dynamic effects 33
			56	Dynamic effects 34
			57	Dynamic effect 35
			58	Dynamic effects 36
			59	Dynamic effects 37
			60	Dynamic effects 38

			61	Random position 1
			62	Random position 2
			63	Random position 3
			64	not have
			65	Random position 4
			66	Random position 5
			67	Dynamic effects 39
			68	Dynamic effect 40
			69	not have
			70	Dynamic effect 41
			71-255	not have
23	23	Dynamic effect speed	0-63	The effect is static
			64-158	Forward from fast to slow
			159-160	static
			161-255	Reverse from slow to fast
24	24	Effects downplay	0-255	Dynamic effect downplay
25	25	The effect is red	0-255	Dynamic effect red
26	26	The effect of green	0-255	Dynamic effect green
27	27	The effect is blue	0-255	Dynamic effect blue
28	28	The effect of white	0-255	Dynamic effect white
29	29	Effect dimming	0-255	Pattern with 0-100% dimming
30	30	Background dimming	0-255	Background with 0-100% dimming

31	31	Effect transition	0-255	Pattern change control
32	32	Effects offset	0-255	Dynamic effect translation
33	33	Prospects flash	0-255	Probe (same as 11 channel)
34	34	Background flash	0-255	Background strobe (same as 11 channel)
35	35	background selection	0-255	background selection
36	36	frequency	0-31	1K frequency
			32-63	Frequency of 1.5K
			64-95	2K frequency
			96-127	2.5K frequency
			128-159	3K frequency
			160-191	4K frequency
			192-223	6K frequency
			224-255	10K frequency
	37	R1 LED Dimming	0-255	R1 LED Dimming
	38	G1 LED Dimming	0-255	G1 LED Dimming
	39	B1 LED Dimming	0-255	B1 LED Dimming
	...	...	...	
	145	R37 LED Dimming	0-255	R37 LED Dimming
	146	G37 LED Dimming	0-255	G37 LED Dimming
	147	B37 LED Dimming	0-255	B37 LED Dimming

4. TECHNICAL PARAMETER

Input Voltage : 100-240V 50/60Hz

Power supply: AC100V-240V 50-60Hz

Maximum power: 1600W

Light source: 37PCSX40W 4IN1 LED

Color temperature: 2800K-8500K Beads

lifespan: 50000 hours

Strobe: 1-25 times/second

Spot angle: 5.5-55 °

Dimming: 0-100% linear electronic dimming

Control methods: DMX512, RDM, self-propelled, or (ArtNet, sACN, and KingNet functions) optional

Channel mode: 22CH/36CH/133CH/147CH /170CH

Functional effects: Equipped with a color mixing correction system, CTO, dyeing, a nd beam,

Effect mode (vortex, kaleidoscope)

The front mirror disc can rotate infinitely and seamlessly with seamless splicing,

Non spherical lens structure, single point control of lamp beads

Net weight: 24KG

5. Product maintenance and cleaning

Please note the following points when testing this product:

All the screws and parts of the installed products must be tightly connected and do not rust.

The shell, lens, fixture and installation site (e. g., ceiling, hanger, truss, etc.) cannot be deformed.

Mechanical moving parts should not have wear and tear, can not rotate unbalanced.

The power cord should not have any damage, material broken skin or scar, etc.

The installation and use of the product must be carried out by trained professional and technical personnel, and must ensure that the safety risks are eliminated.

Note: Please unplug the power cord before product maintenance!!

In order to maintain the product in good condition and extend the service life, we recommend routine cleaning of the product.

1. Clean the external lens and internal lens of the product every week to prevent the light output of the product from weakening due to the dust of the lens.
2. Clean the fan every week.
3. Every three months, professional electrical engineers will check the product in a detailed circuit, to ensure that the circuit contact is good, to prevent the circuit contact from aging due to overheating.

We recommend that the products be cleaned regularly. Please be careful not to use damp or linen, or never use alcohol or solvents.

This product is not equipped with replacement parts, please refer to the "Installation Instructions" section.

If users need any spare parts, please purchase them from any local dealer.