

STECHNICS

BLUR 3740 B-EYE



CE F IP20 LED 0.2m t_a 40°C t_c 100°C

User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

1. Unpack

Thanks for your chosen of STECHNICS BLUR 3740 B-EYE. In order to use this product correctly and safely, please read the manual carefully before installation and operation. This manual contains important installation and application information. When installing and operating the product, please strictly follow the operating steps of the manual. Meanwhile, please keep this manual in a safe place.

This item uses a new and beautiful high temperature resistant engineering plastic shell and high hardness metal body. This product is designed and produced in strict accordance with CE standards. It conforms to the international standard DMX512 signal protocol. It can be used for control alone or online. It has the characteristics of fast rotation, low noise and powerful functions. It is suitable for large and medium-sized concerts, theaters, Studios, nightclubs, bars and other places.

Please remove the packaging carefully, then check whether the product has been damaged during transportation, and check whether the following contents are complete

Light Fixture----1PC

Signal Cable ----1PC

User Manual ----1PC

Power Cable----1PC

2 Safety instructions

Notice!

Exercise caution before operating this product. This product is a high-voltage product, and you may receive an electric shock if you touch the wires!

This product is in good condition before leaving the factory. In order to keep the product in good condition and ensure safe operation, users should follow the safety precautions and warnings in this manual.



Important: Damage caused by fault operation is not covered under warranty. The supplier is not responsible for product problems caused by this.

If the product has been exposed to extreme unstable temperature environment (such as after transportation), please do not connect the product to the power supply immediately, as water droplets due to temperature changes may damage the product. Please use it after the product has returned to normal temperature.

This product can be used in the voltage range of 90-240V and is an indoor product. Please make sure that the voltage used is not higher than the product can withstand!

The power plug must be inserted into a protected Class I socket. The green or teal conductor must be grounded.

Please check this product grade power cord frequently. Make sure the power cord is not folded or damaged and not connected to other wires! Special attention is required when connecting the power cord or related wiring. Always unplug this product when not in use or before cleaning.

Before using the product, please familiarize yourself with the operating functions of the product. Please keep the product away from children or unprofessional.

Please do not shake this product. Do not use brute force when installing or operating the product. Most of the damage is caused by unprofessional handling.

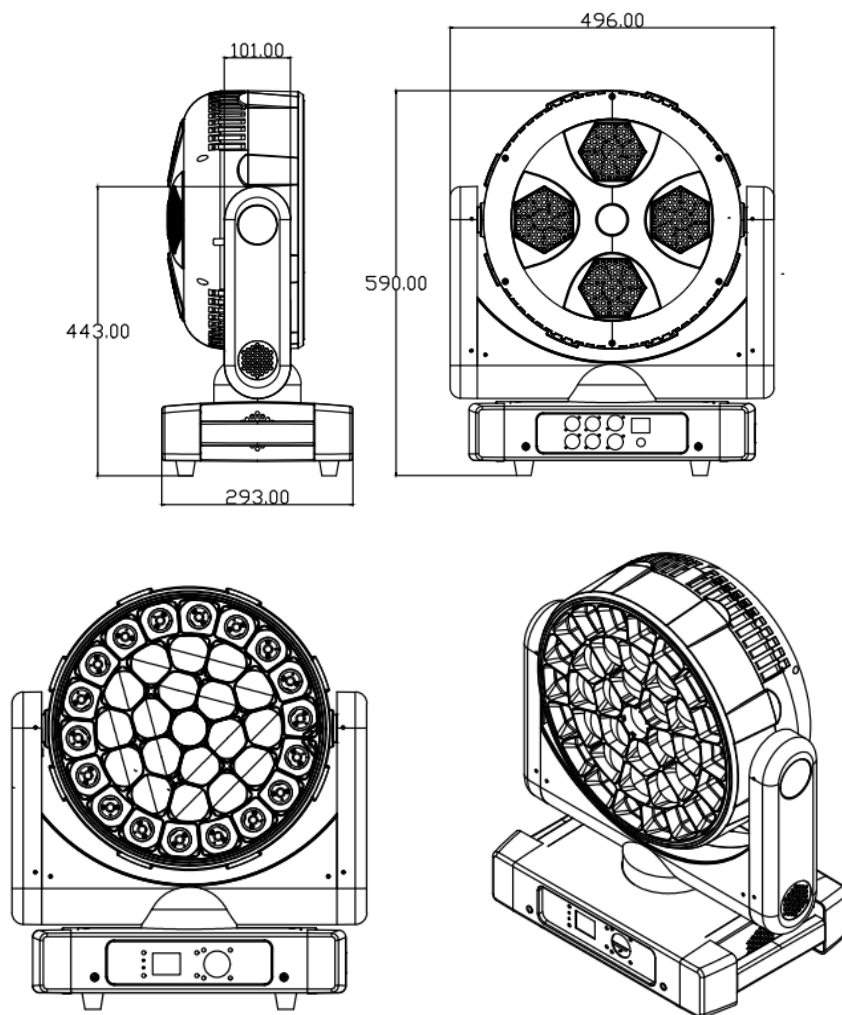
The product is not equipped with related maintenance parts. Maintenance and repair of the product should only be carried out by professionals!

Please do not modify this product without authorization, otherwise it may damage the product, so the damage caused is not covered by the warranty. Also, unprofessional handling may result in short circuits, burns or electric shocks, etc.

3. Instructions

- This product is a moving head wash beam light, used to create wash performance effects.
- If the product has undergone a large temperature difference (for example, after transportation), do not start the product immediately, because the heat and cold shrinkage will damage the product. Please wait until the device reaches normal room temperature before starting the product.
- Pay attention to shock resistance. Avoid strong collisions during product installation.
- Please do not lift the entire product by the light head, as the mechanics of the device may be damaged.
- When choosing an installation location, make sure that the product is not exposed to excessive heat, humidity or dust. Please do not place any wires on the ground, otherwise there is a risk of electric shock.
- Please secure the mounting point before installation.
- Please fasten the product with a safety rope and check that all screws are correct.
- Make sure the lens is in good condition. When the lens is damaged or scratched, please replace it.
- It is recommended that this product be operated by a technician who is familiar with this product. Operation of this equipment by non-technical personnel is prohibited, as many losses are the result of non-professional operation.
- Please keep the packing materials in a safe place for secondary transportation.
- Do not modify the product without the instructions of the manufacturer or distributor.
- Any equipment failure caused by the operation and use of this equipment not as specified in the instructions is not covered by the warranty. And any damage caused by short circuit, injury, electric shock, ultraviolet light, bulb explosion accident, etc. caused by this are not covered by the warranty.

4.Product Dimension



5.Product Specification:

Voltage : AC100-240V50/60Hz

Light source : 37PCSx40W RGBW4IN1 LEDs

Power: 1480W

Rated lifetime : 50000 Hours

Zooming angle : 2°-60°

RGB Limitless color mixing,with color macro function

Pan/tilt: 540°/270°, 16-bit control and automatic return correction

Operating Mode : Wash、 Beam、 FX(kaleido effects)

Strip effect : Strobe、 Horse racing、 Built -in program.

Dimming : 0-100% linear electronic dimming

Strobe : Adjustable speed stop/strobe effect,with instantaneous blackout

Front lens : Bi-directional limitless rotation,seamless splicing Len
aspherical lens structure

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

Software : Update software by DMX

Control mode : DMX512、 Sound active、 Auto run、 Master Slave、 Bulit-in program

IP rating : IP20

6. Menu

Menu		Second Menu	Third Menu/ Parameter
Shortcut menu interface		Returned	Returned Main interface
		CH/EN	Chinese/English
		Display	Display Screen interface Auto/Front display/Reverse display
		Setting	Enter settings interface
Setting Interface	System Setting	Work Mode	Artnet/DMX/Artnet+DMX/Auto Run 1/Auto Run 2/Sound Active
		Channel Mode	22CH/35CH/36CH/133CH/147CH/170CH
		Pan Default Location	000-255
		Tilt Default Location	000-255
		Pan Reversal	ON/OFF
		Tilt Reversal	ON/OFF
		Pan/Tilt Exchange	ON/OFF
		Pan/Tilt Fast Mode	ON/OFF
		Signal Hold	ON/OFF
		Optocoupler error correction	ON/OFF

		Hall Error Correction	ON/OFF
		Fast Dimming	ON/OFF
		Silent Mode	ON/OFF
		Backlight time	15 seconds /30 seconds /60 seconds/Keep on
		Dimming Curve	Curve 1-4
		Lighting Mode	OFF/750W/1000W/1200W/2000W/2500W
		Reset	Confirm/Cancel
		reset	confirm /cancel
	Manual Mode	Manual control channel value	000-255
	System calibration	enter password	Lamp calibration (0000)
	Advanced	Back to previous	
		Network (IP/MS)	Increase, decrease, confirm
		Data Packet (Net(0-127))/Sub_Uni	Increase ,Decrease
		Lamp head reset	
		XY Reset	
		Reset All	
	System	Reset information	Display detailed information

	message	DMX data detection	Display specific DMX detection content
		Sensor information	Display photo coupler and Hall specific information
		hardware version	Display the hardware version number
		Software version	Display software version number

- Automatic screen 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. For details, see the channel table.
- Press the "OK" key to enter the editing state. Press the "Up" and "Down" keys to change the channel value. Press "OK" again to save the modified value and exit the editing. Press "Exit" to exit the editing directly without saving the modified value.
- System calibration

A password is set here to prevent non-professionals from misoperating. Press the "Confirm" button to verify the password.

Options	illustrate
Initial position calibration	After entering the sub-interface, you can adjust the reset position of the X-axis, Y-axis, focus, rotation and other motors to compensate for the error in hardware installation. The adjustment range is 0~255, and 127 means no adjustment.
White balance calibration	The power of the red, green, blue and white lights and LED1-37 can be adjusted. The adjustment range is 0~255, and 255 means no adjustment.
Power calibration	The maximum power of the entire lamp can be adjusted, the

	adjustment range is 0~255, 255 means no adjustment.
Voice control sensitivity	Adjust the voice control sensitivity.
change Password	Set the system calibration password. (0000)

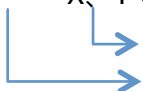
➤ advanced

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

Options	illustrate
Network (IP/MS)	Increase, decrease, confirm
Data Packet (Net(0-127))/Sub_Uni	Increase,Decrease
Lamp head reset	Focusing and rotating motor reset
XY Reset	XY axis reset
Reset All	Lamp reset

◆System Message

Options	illustrate
Reset error message	If the red ERR indicator light is on, it means that the lamp is operating incorrectly: 1) IC1 communication failure (motor and display board communication failure) 2) X/Y optocoupler error 3) Focus adjustment, rotation reset failure
DMX data monitoring	Enter the sub-interface and display the channel value numerically for viewing.
Sensor information	1) Hall :

	 X X X X reservation Tilt focus rotation 2) Sensor:  X, Y Optocoupler : <u>XXXX--XXXX</u> <u>real value</u> Set value
Hardware version number	Lighting hardware information XX XX XX .XX ↓ Display board version. Motor version. Light board version
Software version number	Lighting software version XX XX XX .XX ↓ Display board version. Motor version. Light board version

7. Channel Table

22CH	133CH	170CH	Function	DMX Value	Description
1	1	1	Red	0-255	Linear dimming of red from dark to bright
2	2	2	Red Fine	0-255	Red is adjusted linearly from dark to bright
3	3	3	Green	0-255	Green linear dimming from dark to bright
4	4	4	Green Fine	0-255	Green is linearly adjusted from dark to light
5	5	5	Blue	0-255	Blue linear dimming from dark to bright
6	6	6	Blue Fine	0-255	Blue is linearly adjusted from dark to light
7	7	7	White	0-255	Linear dimming of white from dark to bright
8	8	8	White Fine	0-255	White is fine-tuned linearly from dark to light
9	9	9	Color Temperature	0-255	Linear color temperature adjustment
10	10	10	Wash	0-255	Built-in color gradients
11	11	11	Strobe	0-3	Closed
				4-103	Synchronous strobe speed from slow

					to fast (1HZ-25HZ)
				104-107	Open
				108-207	Bisection strobe speed from slow to fast (1HZ-25HZ)
				208-212	Open
				213-225	Slow random strobe
				226-238	Medium speed random strobe
				239-251	High-speed random strobe
				252-255	Open
12	12	12	Total dimming	0-255	Linear dimming from dark to bright
13	13	13	Dimming fine	0-255	Dimming fine
14	14	14	Pan	0-255	0-540 Degree
15	15	15	Pan fine adjustment	0-255	16bit adjustment
16	16	16	Tilt	0-255	0-205 Degree
17	17	17	Tilt fine	0-255	16bit adjustment
18	18	18	Function	0-255	Reserve
19	19	19	Reset	0-25	No function
				26-76	Lamp reset is effective for 5 seconds

				77-127	XY reset 5s effective
				128-255	All resets are effective for 5 seconds
20	20	20	Focus	0-255	Angle from small to large linear adjustment
21	21	21	Rotation	0-127	0~60 Degree
				128-188	Counterclockwise from fast to slow infinite rotation
				189-193	Rotation stop
				194-255	Clockwise from slow to fast stepless rotation
22	22	22	frequency	0-31	1K frequency
				32-63	1.5K frequency
				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	0-255	G1 LED Dimming

			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

35CH	36CH	147CH	Function	DMX Value	Description
1	1	1	Red	0-255	Red Linear dimming from dark to light
2	2	2	Red fine	0-255	Red fine Linear dimming from dark to light
3	3	3	Green	0-255	Green Linear dimming from dark to light
4	4	4	Green fine	0-255	Green fine Linear dimming from dark to light

5	5	5	Bule	0-255	Blue Linear dimming from dark to light
6	6	6	Bule fine	0-255	Blue fine Linear dimming from dark to light
7	7	7	White	0-255	White Linear dimming from dark to light
8	8	8	White fine	0-255	White fine Linear dimming from dark to light
9	9	9	Color temperature	0-255	Linear color temoerature adjustment
10	10	10	Wash	0-255	Built in color fade
11	11	11	Strobe	0-3	Turn off
				4-103	Synchronous strobe speed from slow to fast (1HZ-25HZ)
				104-107	Turn on
				108-207	Medium speed random strobe from slow to fast (1HZ-25HZ)
				208-212	Turn on
				213-225	Low speed random strobe
				226-238	Medium speed random strobe
				239-251	High speed random strobe

				252-255	Turn on
12	12	12	Total Dimming	0-255	Linear dimming from dark to light
13	13	13	Dimming fine	0-255	Dimming fine control
14	14	14	Pan	0-255	0-540°
15	15	15	Pan fine	0-255	16bit adjustable
16	16	16	Tilt	0-255	0-205°
17	17	17	Tilt fine	0-255	16bit adjustable
18	18	18	Function	0-255	Reserve
19	19	19	Reset	0-25	No function
				26-76	Light reset is valid for 5s
				77-127	Pan Tilt is valid for 5s
				128-255	All is valid for 5s
20	20	20	Focus	0-255	Angle linear adjustment from small to big
21	21	21	Rotation	0-127	0~60°
				128-188	Counterclockwise infinite rotation
				189-193	Stop rotation

				194-255	clockwise infinite rotation from slow to fast
22	22	22	dynamic effect (match effect color)	0-7	No function
				8	Static effect 1
				9	effect2
				10	Static effec 3
				11	No function
				12	Static effec 4
				13	Static effec 5
				14	No function
				15	Dynamic effect 1
				16	Dynamic effect 2
				17	Dynamic effect 3
				18	Dynamic effect 4
				19	Single color random
				20	Full color random
				21	Rainbow effect1
				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 effect 13
				32	Dynamic effect 14
				33	No function
				34	No function
				35	Dynamic effect 15
				36	Dynamic effect 16
				37	Dynamic effect 17
				38	Dynamic effect 18
				39	Dynamic effect 19
				40	Dynamic effect 20

				41	No function
				42	Dynamic effect 21
				43	No function
				44	Dynamic effect 22
				45	Dynamic effect 23
				46	Dynamic effect 24
				47	Dynamic effect 25
				48	Dynamic effect 26
				49	Dynamic effect 27
				50	Dynamic effect 28
				51	Dynamic effect 29
				52	Dynamic effect 30
				53	Dynamic effect 31
				54	Dynamic effect 32
				55	Dynamic effect 33
				56	Dynamic effect 34
				57	Dynamic effect 35
				58	Dynamic effect 36

				59	Dynamic effect 37
				60	Dynamic effect 38
				61	Random location 1
				62	Random location 2
				63	Random location 3
				64	No function
				65	Random location 4
				66	Random location 5
				67	Dynamic effect 39
				68	Dynamic effect 40
				69	No function
				70	Dynamic effect 41
				71-255	No function
23	23	23	Dynamic effect speed	0-63	Static effect
				64-158	Colckwise from fast to slow
				159-160	Static
				161-255	Counter clockwise from slow to fast

24	24	24	Effect fade	0-255	Dynamic effect fade
25	25	25	Effect red	0-255	Dynamic effect red
26	26	26	Effect green	0-255	Dynamic effect green
27	27	27	Effect blue	0-255	Dynamic effect blue
28	28	28	Effect white	0-255	Dynamic effect white
29	29	29	Effect dimming	0-255	Pattern dimming 0-100%
30	30	30	Background dimming	0-255	Background dimming 0-100%
31	31	31	Effect transition	0-255	Pattern change control
32	32	32	Effect offset	0-255	Effect translation
33	33	33	Foreground strobe	0-255	Foreground strobe (same as channel 11)
34	34	34	Background strobe	0-255	Background strobe (same as channel 11)
35	35	35	Background selection	0-255	Background selection
	36	36	Frequency	0-31	1K frequency
				32-63	1.5K frequency
				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

8. Product Care and Cleaning

Please note the following points when testing this product:

1. All screws and parts for installing the product must be tightly connected and not rusted.
2. The shell, lens, fixtures and installation locations (such as ceilings, hangers, trusses, etc.) cannot be deformed
3. The mechanical moving parts must not be worn or rotated unbalanced.
4. The power cord must not have any damage, material breakage or scars, etc.

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

Note: Please unplug the power cord before maintenance.

To keep the product in good condition and prolong its lifespan, we recommend regular cleaning of the product.

1. Clean the outer lens and inner lens of the product every week to prevent the light output of the product from being reduced due to dust accumulation on the lens.
2. Clean the fan every week.
3. Every three months, a professional electrical engineer will conduct a detailed circuit inspection of the product to ensure that the circuit contacts are in good condition to prevent the circuit contacts from aging due to overheating.

We recommend that the product should be cleaned regularly, please be careful not to use damp or linen cloth, and never use alcohol or solvents for cleaning.

This product does not come with replacement parts, please refer to the "Installation Instructions" section. If the user needs any spare parts, please purchase from the local dealer.