

User manual



19X40 B-EYE

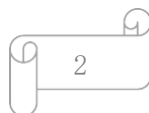
Please read the instructions carefully before use

TABLE OF CONTENTS

1. Safety Instructions	3-4
2. Technical Specifications.....	four
3. Control Menu	5-6
4. DMX Channels	6-14
5. Trouble Shooting	15
6. Fixture Cleaning	15

STATEMENT

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.



1. Safety Instructions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

- Unpack and check carefully there is no transportation damage before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- The unit is for indoor use only. Use only in a dry location.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect main power before replacement or servicing.
- Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.
- Maximum ambient temperature is T_a : 40°C. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85°C. DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
- the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- DO NOT touch any wire during operation as high voltage might be causing electric shock.

Warning:

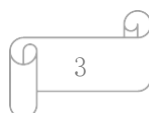
- To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

Caution:

- There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation:

- The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly



fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

- The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

2. Technical Specifications

Voltage: AC100V~240V 50-60HZ

Rated Power: 760W

LED Source: 19x40W high power RGBW 4 in 1 LEDs

Zoom: 4.2 °-38 °

Strobe: 0-20Hz

Control Mode: DMX512,Sound-actived,Master/slave

DMX Channels: 21/23/35/78/92/100/102 channel

Dimmer: 0-100% linear dimmer

Pan: 540 °+16 bit fine

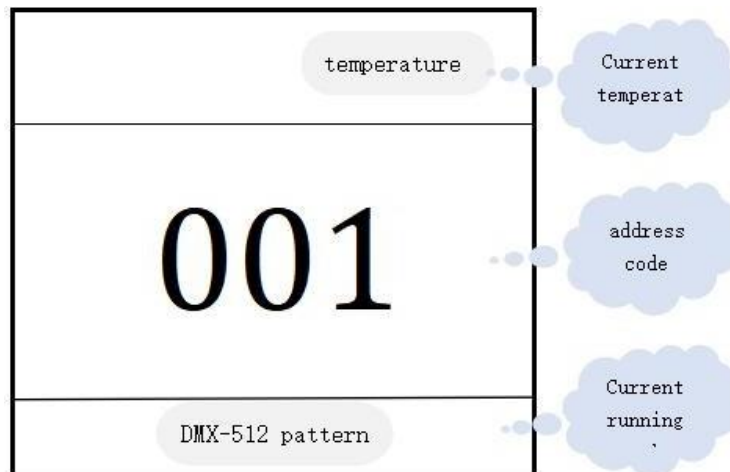
Tilt: 270 °+16 bit fine

Display: LCD colorful display

Rechargeable Battery: Optional IP:

IP20

3. Control Menu



Menu Operation

Address: Click to enter the address code setting

Settings: Click to enter system settings

Test: Click to enter manual mode

Calibration: Click to enter the password to enter the system calibration mode Reset:

Click to enter the system reset mode

Information: Click to enter to view system information

menu	Sublevel menu	Three menu / parameters	Fourth
address	001 - 512		
Fixture	Dmx Mode	STD / HSI	
	Run Mode	DMX / Host / Sound	
	Pan Invert	Close / Open	
	Tilt Invert	Close / Open	
	Fan Control	Auto/Client	
Manual	Pan	000-255	
	Pan Fine	000-255	
	Tilt	000-255	
	Tilt Fine	000-255	
	⋮	⋮	
Information	Time	Current Time	xxxH
		Current Time	xxxH
	Sensor	Pan	FALSE / TURE
		Tilt	FALSE / TURE
		Zoom	FALSE / TURE
		Temp	FALSE / TURE
		Fan	FALSE / TURE
Temperature	Head Temp	xxxC	

Information	Software Version	Panel	Vx.xx
		Motor	Vx.xx
		Dimmer1	Vx.xx
		Dimmer2	Vx.xx
Factory	Password	000 - 255	
	Pan	000 - 255	
	Tilt	000 - 255	
	Zoom	000 - 255	
	Zoom Rotation	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	

4.DMX Channels

21 channel

ch	function	DMX value	detailed information
1	red	0-255	Red 0-100% brightness adjustment, from dark to bright.
2	Red fine tuning	0-255	Red fine tuning
3	green	0-255	Green 0-100% brightness adjustment, from dark to bright.
4	Green fine tuning	0-255	Green fine tuning
5	blue	0-255	Blue 0-100% brightness adjustment, from dark to bright.
6	Blue fine tuning	0-255	Blue fine tuning
7	white	0-255	White 0-100% brightness adjustment, from dark to bright.
8	White fine tuning	0-255	White fine tuning
9	colour temperature	0-255	Linear control of color temperature
10	Macro color	0-255	Macro change of color
11	stroboscopic	0-3	Lights go out
		4-103	Use the same steps from slow to fast.
		104-107	Light up
		108-207	Strongpoint from slow to fast.
		208-212	Light up
		213-225	Low speed random strobe
		226-238	Medium speed random strobe
		239-251	High speed random strobe
		252-255	Light up
12	light modulator	0-255	0-100 Linear brightness adjustment
13	Fine adjustment of	0-255	Fine adjustment of dimmer

	dimmer		
14	X axis control	0-255	X axis control
15	X-axis fine tuning	0-255	X-axis fine tuning
16	Y axis control	0-255	Y axis control
17	Y axis fine tuning	0-255	Y axis fine tuning
18	function	0-255	Empty (no function)
19	reset	0-250	No function
		251-255	Wait 5 seconds for automatic reset.
20	focus	0-255	Focusing control
21	rotate	0-127	0 to 60 degrees
		128-191	Rotate clockwise from fast to slow
		192-255	Rotate counterclockwise from slow to fast

23 channel

ch	function	DMX value	detailed information
1	X axis control	0-255	X axis control
2	X-axis fine tuning	0-255	X-axis fine tuning
3	Y axis control	0-255	Y axis control
4	Y axis fine tuning	0-255	Y axis fine tuning
5	XY axis velocity	0-255	Speed from slow to fast
6	focus	0-255	Focusing control
7	rotate	0-127	0 to 60 degrees
		128-191	Rotate clockwise from slow to fast
		192-255	Rotate counterclockwise from slow to fast
8	light modulator	0-255	0-100% linear brightness adjustment
9	stroboscopic	0-3	light ...
		4-200	Use the same steps from slow to fast.
		201-255	Random spectrum slow
10	red	0-255	Red 0-100% brightness adjustment, from dark to bright.
11	green	0-255	Red 0-100% brightness adjustment, from dark to bright.
12	green	0-255	Red 0-100% brightness adjustment, from dark to bright.
13	white	0-255	Red 0-100% brightness adjustment, from dark to bright.
14	colour temperature	0-255	Linear color temperature control
15	Color macro	0-255	Macro change of color
16	Static effect	0-255	Every 5 DMX values are a static effect.
17	Dynamic effect	0-255	The value of every 5 DMX is a dynamic effect.
18	Dynamic effect speed	0-255	
19	Background color red	0-255	1-100% background red brightness adjustment, from dark to bright.
20	Background color green	0-255	1-100% background blue brightness adjustment, from dark to bright.
21	Background color blue	0-255	1-100% background green brightness adjustment, from dark to bright.
22	Background color is white.	0-255	1-100% background blue brightness adjustment, from dark to bright.
23	reset	0-250	invalid

		251-255	Wait 5 seconds for automatic reset.
--	--	---------	-------------------------------------

35 channel

ch	function	Data multiplexer	detailed information
1	red	0-255	Red 0-100% brightness adjustment, from dark to bright.
2	Red fine tuning	0-255	Red fine tuning
3	green	0-255	Green 0-100% brightness adjustment, from dark to bright.
4	Green fine tuning	0-255	Green fine tuning
5	blue	0-255	Blue 0-100% brightness adjustment, from dark to bright.
6	Blue fine tuning	0-255	Blue fine tuning
7	white	0-255	White 0-100% brightness adjustment, from dark to bright.
8	White fine tuning	0-255	White fine tuning
9	colour temperature	0-255	Linear control of color temperature
10	Macro color	0-255	Macro change of color
11	stroboscopic	0-3	Light up
		4-103	Use the same steps from slow to fast.
		104-107	Light up
		108-207	Separating stroboscope from slow speed
		208-212	Light up
		213-255	Random flash
12	light modulator	0-255	0-100% linear brightness adjustment
13	Fine adjustment of dimmer	0-255	Fine adjustment of dimmer
14	X axis control	0-255	X axis control
15	X-axis fine tuning	0-255	X-axis fine tuning
16	Y axis control	0-255	Y axis control
17	Y axis fine tuning	0-255	Y axis fine tuning
18	function	0-255	Empty (no function)
19	reset	0-250	No function
		251-255	Wait 5 seconds for automatic reset.
20	focus	0-255	Focusing control
21	rotate	0-127	0 to 60 degrees
		128-191	Rotate clockwise from fast to slow
		192-255	Rotate counterclockwise from slow to fast
22	Shape selection	0-255	Choose a shape
23	Shape velocity	0-255	Shape speed control
24	Shape closure	0-255	Shape closure
25	Shape r	0-255	Red shape
26	Shape g	0-255	Green shape
27	Shape b	0-255	Blue shape
28	Shape w	0-255	White shape
29	Shape brightness adjustment	0-255	Shape dimmer 0-100%
30	Background	0-255	Background dimmer 0-100%

	brightness adjustment		
31	Shape change	0-255	Shape change
32	Shape deviation	0-255	Shape deviation
33	Foreground control	0-255	Foreground detector control
34	Background color control	0-255	Background detector control
35	Background selection	0-255	Background selection

78 channel

ch	function	Data multiplexer	detailed information
1	red	0-255	Red 0-100% brightness adjustment, from dark to bright.
2	Red fine tuning	0-255	Red fine tuning
3	green	0-255	Green 0-100% brightness adjustment, from dark to bright.
4	Green fine tuning	0-255	Green fine tuning
5	blue	0-255	Blue 0-100% brightness adjustment, from dark to bright.
6	Blue fine tuning	0-255	Blue fine tuning
7	white	0-255	White 0-100% brightness adjustment, from dark to bright.
8	White fine tuning	0-255	White fine tuning
9	colour temperature	0-255	Linear control of color temperature
10	Macro color	0-255	Macro change of color
11	stroboscopic	0-3	light ...
		4-203	Use the same steps from fast to slow.
		204-255	Random stroboscopic
12	light modulator	0-255	0-100% linear brightness adjustment
13	Fine adjustment of dimmer	0-255	Fine adjustment of dimmer
14	X axis control	0-255	X axis control
15	X-axis fine tuning	0-255	X-axis fine tuning
16	Y axis control	0-255	Y axis control
17	Y axis fine tuning	0-255	Y axis fine tuning
18	function	0-255	Empty (no function)
19	reset	0-250	No function
		251-255	Wait 5 seconds for automatic reset.
20	focus	0-255	Focusing control
21	rotate	0-127	0 to 60 degrees
		128-191	Rotate clockwise from fast to slow
		192-255	Rotate counterclockwise from slow to fast
22	Red dimmer 1	0-255	LED1 red dimmer
23	Green dimmer 1	0-255	LED1 green dimmer
24	Blue dimmer 1	0-255	LED1 blue dimmer
25	Red dimmer 2	0-255	LED2 red dimmer
26	Green dimmer 2	0-255	LED2 green dimmer
27	Blue dimmer 2	0-255	LED2 blue dimmer
.....
...
76	Red dimmer 19	0-255	LED19 red dimmer
77	Green dimmer	0-255	LED19 green dimmer
78	Blue dimmer 19	0-255	LED19 blue dimmer

92-channel mode

ch	function	Data multiplexer	detailed information
1	red	0-255	Red 0-100% brightness adjustment, from dark to bright.
2	Red fine tuning	0-255	Red fine tuning
3	green	0-255	Green 0-100% brightness adjustment, from dark to bright.
4	Green fine tuning	0-255	Green fine tuning
5	blue	0-255	Blue 0-100% brightness adjustment, from dark to bright.
6	Blue fine tuning	0-255	Blue fine tuning
7	white	0-255	White 0-100% brightness adjustment, from dark to bright.
8	White fine tuning	0-255	White fine tuning
9	colour temperature	0-255	Linear control of color temperature
10	Macro color	0-255	Macro change of color
11	stroboscopic	0-3	Light up
		4-103	Use the same steps from slow to fast.
		104-107	Light up
		108-207	Separating stroboscope from slow speed
		208-212	Light up
		213-251	Random strongpoint from slow speed
		252-255	Light up
12	light modulator	0-255	0-100% linear brightness adjustment
13	Fine adjustment of dimmer	0-255	Fine adjustment of dimmer
14	X axis control	0-255	X axis control
15	X-axis fine tuning	0-255	X-axis fine tuning
16	Y axis control	0-255	Y axis control
17	Y axis fine tuning	0-255	Y axis fine tuning
18	function	0-255	Empty (no function)
19	reset	0-250	No function
		251-255	Wait 5 seconds for automatic reset.
20	focus	0-255	Focusing control
21	rotate	0-127	0 to 60 degrees
		128-191	Rotate clockwise from fast to slow
		192-255	Rotate counterclockwise from slow to fast
22	Shape selection	0-255	Choose a shape
23	Shape velocity	0-255	Shape speed control
24	Shape disappearance	0-255	Shape closure
25	Shape r	0-255	Red shape
26	Shape g	0-255	Green shape
27	Shape b	0-255	Blue shape
28	Shape w	0-255	White shape
29	Shape brightness adjustment	0-255	Shape dimmer 0-100%
30	Background brightness adjustment	0-255	Background dimmer 0-100%
31	Shape transformation	0-255	Shape change
32	Shape deviation	0-255	Shape deviation
33	Foreground control	0-255	Foreground detector control
34	Background color	0-255	Background detector control

	control		
35	Background selection	0-255	Background selection
36	Red dimmer 1	0-255	LED1 red dimmer
37	Green dimmer 1	0-255	LED1 green dimmer
38	Blue dimmer 1	0-255	LED1 blue dimmer
39	Red dimmer 2	0-255	LED2 red dimmer
40	Green dimmer 2	0-255	LED2 green dimmer
41	Blue dimmer 2	0-255	LED2 blue dimmer
.....
...
90	Red dimmer 19	0-255	LED19 red dimmer
91	Green dimmer 19	0-255	LED19 green dimmer
92	Blue dimmer 19	0-255	LED19 blue dimmer

100 channels

ch	function	DMX value	detailed information
1	red	0-255	Red 0-100% brightness adjustment, from dark to bright.
2	Red fine tuning	0-255	Red fine tuning
3	green	0-255	Green 0-100% brightness adjustment, from dark to bright.
4	Green fine tuning	0-255	Green fine tuning
5	blue	0-255	Blue 0-100% brightness adjustment, from dark to bright.
6	Blue fine tuning	0-255	Blue fine tuning
7	white	0-255	White 0-100% brightness adjustment, from dark to bright.
8	White fine tuning	0-255	White fine tuning
9	colour temperature	0-255	Linear control of color temperature
10	Macro color	0-255	Macro change of color
11	stroboscopic	0-3	Lights go out
		4-203	Use the same steps from slow to fast.
		204-255	Langdon strobe
12	light modulator	0-255	0-100% linear brightness adjustment
13	Fine adjustment of dimmer	0-255	Fine adjustment of dimmer
14	X axis control	0-255	X axis control
15	X-axis fine tuning	0-255	X-axis fine tuning
16	Y axis control	0-255	Y axis control
17	Y axis fine tuning	0-255	Y axis fine tuning
18	function	0-255	Empty (no function)
19	reset	0-250	No function
		251-255	Wait 5 seconds for automatic reset.
20	focus	0-255	Focusing control
21	rotate	0-127	0 to 60 degrees
		128-191	Rotate clockwise from slow to fast
		192-255	Rotate counterclockwise from slow to fast
22	Light strip stroboscopic	0-3	Lights go out
		4-250	Synchronous stroboscope
		251-255	Light up
23	Lamp strip effect	0-51	Internal programming color
		52-55	Effect 1
		56-59	Effect 2
		...	Every four values have an effect.
		252-255	Effect 51
24	Speed of light strip	0-255	Speed adjustment of light strip
25	Red dimmer 1	0-255	LED1 red dimmer
26	Green dimmer 1	0-255	LED1 green dimmer
27	Blue dimmer 1	0-255	LED1 blue dimmer
28	White dimmer 1	0-255	LED1 white dimmer

.....
...
97	Red dimmer 19	0-255	LED19 red dimmer
98	Green dimmer 19	0-255	LED19 green dimmer
99	Blue dimmer 19	0-255	LED19 blue dimmer
100	White dimmer 19	0-255	LED19 white dimmer

Channel 102

ch	function	DMX value	detailed information
1	X axis control	0-255	X axis control
2	X-axis fine tuning	0-255	X-axis fine tuning
3	Y axis control	0-255	Y axis control
4	Y axis fine tuning	0-255	Y axis fine tuning
5	XY axis velocity	0-255	Speed from slow to fast
6	focus	0-255	Focusing control
7	rotate	0-127	0 to 60 degrees
		128-191	Rotate clockwise from slow to fast
		192-255	Rotate counterclockwise from slow to fast
8	light modulator	0-255	0-100% linear hidden weapons modulation
9	stroboscopic	0-3	light ...
		4-200	Use the same steps from slow to fast.
		201-255	Random spectrum slow
10	red	0-255	Red 0-100% brightness adjustment, from dark to bright.
11	green	0-255	Red 0-100% brightness adjustment, from dark to bright.
12	green	0-255	Red 0-100% brightness adjustment, from dark to bright.
13	white	0-255	Red 0-100% brightness adjustment, from dark to bright.
14	colour temperature	0-255	Linear color temperature control
15	Color macro	0-255	Macro change of color
16	Static effect	0-255	Every 5 DMX values are a static effect.
17	Dynamic effect	0-255	The value of every 5 DMX is a dynamic effect.
18	Dynamic effect speed	0-255	
19	Background color red	0-255	1-100% background red brightness adjustment, from dark to bright.
20	Background color green	0-255	1-100% background blue brightness adjustment, from dark to bright.
21	Background color blue	0-255	1-100% background green brightness adjustment, from dark to bright.
22	Background color is white.	0-255	1-100% background blue brightness adjustment, from dark to bright.
23	reset	0-250	No function
		251-255	The reset time is 5 seconds.
24	Light strip stroboscopic	0-3	Lights go out
		4-255	Synchronous stroboscope
		251-255	Light up
25	Lamp strip effect	0-51	Internal programming color
		52-55	Effect 1
		56-59	Effect 2
		...	Every four values have an effect.
		252-255	Effect 51
26	Speed of light band effect	0-255	

27	Red dimmer 1	0-255	LED1 red dimmer
28	Green dimmer 1	0-255	LED1 green dimmer
29	Blue dimmer 1	0-255	LED1 blue dimmer
30	White dimmer 1	0-255	LED1 white dimmer
.....
...
99	Red dimmer 19	0-255	LED19 red dimmer
100	Green dimmer 19	0-255	LED19 green dimmer
101	Blue dimmer 19	0-255	LED19 blue dimmer
102	White dimmer 19	0-255	LED19 white dimmer

6. Trouble Shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition

7. Fixture Cleaning

The cleaning of internal and external optical lenses and/ or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp , smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

Clean with soft cloth using normal glass cleaning fluid. Always dry the parts carefully.

Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.