vLITES

19X40 B-EYE

Please read the instructions carefully before use

TABLE OF CONTENTS

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 is not included in our guarantee, and also cannot be responsible   for any malfunction & problem owing to ignore the manual.
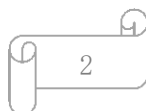
1.Safety Instructions

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 Ta: 40℃. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85℃. 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
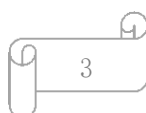
fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

•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°-60°

Strobe: 0-20Hz

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

DMX Channels: 24/26/38/81/95/100/102 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

Fixture dimension: 415*275*425mm

N.W:16.95 Kg

G.W:20.1 Kg

Carton package Size: 53*42*51CM (1pcs/ctn)

3.Control Menu

temperature → Current temperat

001 → address code

DMX-512 pattern → Current running.
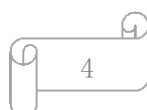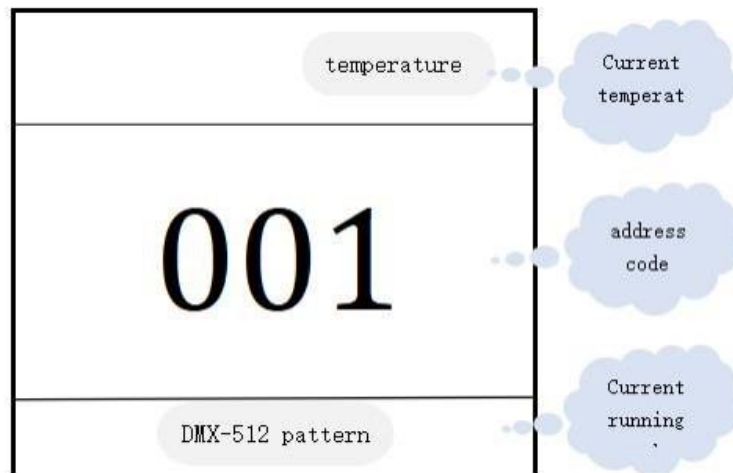
Menu Operation

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
DMX address	000 - 512		
Fixture	Dmx Mode	24/26/38/81/95/100/102CH	
	Run Mode	DMX / Host / Sound	
	Pan Invert	Close / Open	
	Tilt Invert	Close / Open	
	No Dmx Signal	Clear/Hold	
	Fan Control	Auto/Client/High	
	Sound Sensitivity	00-99	
Manual	Pan	000-255	
	Pan Fine	000-255	
	Tilt	000-255	
	Tilt Fine	000-255	
	⋮	⋮	
Information	Time	Current Time	xxxH
		Total Time	xxxH
	Sensor	All sensors are ok!Pan,Tilt,zoom······	
	Temperature	Head Temp	xxxC
	Software Version	Panel	Vx.xx

Information	Software Version	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

24 CH Mode

CH	Function	DMX Value	Details
1	Red	0-255	Red dimmer
2	Red Fine	0-255	Red fine control
3	Green	0-255	Green dimmer
4	Green Fine	0-255	Green fine control
5	Blue	0-255	Blue dimmer
6	Blue Fine	0-255	Blue fine control
7	White	0-255	White dimmer
8	White Fine	0-255	White fine control
9	CTO	0-255	Color temperature linear control
10	Macro color	0-255	Marco color control
11	strobe	0-3	Light off
		4-103	Strobe with the same step from slow to fast
		104-107	Light on
		108-207	Divide strobe from slow to fast
		208-212	Light on
		213-225	Random strobe in low speed
		226-238	Random strobe in middle speed
		239-251	Random strobe in high speed
		252-255	Light on

12	Dimmer	0-255	0-100 linear dimmer from dark to bright
13	Dimmer Fine	0-255	Dimmer fine control
14	Pan	0-255	Pan movement control
15	Pan Fine	0-255	Pan fine control
16	Tilt	0-255	Tilt movement control
17	Tilt Fine	0-255	Pan fine control
18	reserved	0-255	invliad
19	Reset	0-250	No function
		251-255	Reset with 5 seconds
20	Zoom	0-255	
21	Zoom Rotation	0-127	0 to 60 degrees
		128-191	Unlimited clockwise rotation from fast to slow
		192-255	Unlimited anticlockwise rotation from fast to slow
22	Strip strobe	0-3	Light off
		4-255	Synchronous strobe
		251-255	Light on
23	Strip Macro	0-51	Inner programmed color
		52-55	Effect 1
		56-59	Effect2
		...	Each 4 no. One effect
		252-255	Effect 51
24	Strip effect speed	0-255	Slow-fast

26 CH Mode

CH	Function	DMX	Details
1	Pan	0-255	Pan movement control
2	Pan fine	0-255	Pan fine control
3	Tilt	0-255	Tilt movement control
4	Tilt fine	0-255	Pan fine control
5	Pan/Tilt speed	0-255	Speed from fast to slow
6	ZOOM	0-255	Zoom
7	LENS rotation	0-127	0 to 60 degree
		128-191	Unlimited clockwise rotation from fast to slow
		192-255	Unlimited anticlockwise rotation from fast to slow
8	Dimmer	0-255	0-100 linear dimmer from dark to bright
9	Strobe	0-3	Light up
		4-200	Strobe with the same step from slow to fast
		201-255	Random strobe slow-fast
10	R	0-255	1-100% Red linear dimmer from dark to bright
11	G	0-255	1-100% Green linear dimmer from dark to bright
12	B	0-255	1-100% Blue linear dimmer from dark to bright
13	W	0-255	1-100% White linear dimmer from dark to bright
14	CTO	0-255	Linear color temperature control

15	Marco	0-255	Marco color change
16	Static effect	0-255	Each 5 DMX value is a kind of static effect
17	Dynamic effect	0-255	Each 5 DMX value is a kind of dynamic effect
18	Dynamic effect speed	0-255	Speed from slow to fast,pls operate against 15 CH
19	Background R	0-255	1-100% Background Red linear dimmer from dark to bright
20	Background G	0-255	1-100% Background Blue linear dimmer from dark to bright
21	Background B	0-255	1-100% Background Green linear dimmer from dark to bright
22	Background W	0-255	1-100% Background Blue linear dimmer from dark to bright
23	Strip strobe	0-3	Light off
		4-255	Random strobe
		251-255	Light on
24	Strip Macro	0-51	Inner programmed colors
		52-55	Effect 1
		56-59	Effect 2
		...	Each 4 values one effect
		252-255	Effect 51
25	Strip effect speed	0-255	Slow-fast
26	reset	0-239	invalid
		240-255	Resets after 5s

38 CH Mode

CH	Function	DMX	Details
1	Red	0-255	Red dimmer
2	Red Fine	0-255	Red fine control
3	Green	0-255	Green dimmer
4	Green Fine	0-255	Green fine control
5	Blue	0-255	Blue dimmer
6	Blue Fine	0-255	Blue fine control
7	White	0-255	White dimmer
8	White Fine	0-255	White fine control
9	CTO	0-255	Color temperature linear control
10	Macro colour	0-255	Marco color control
11	strobe	0-3	Light up
		4-103	Strobe with the same step from slow to fast
		104-107	Light on
		108-207	Divide strobe from slow-fast
		208-212	Light on
		213-255	Random strobe from slow-fast
12	Dimmer	0-255	0-100 linear dimmer from dark to bright
13	Dimmer Fine	0-255	Dimmer fine control
14	Pan	0-255	Pan movement control
15	Pan Fine	0-255	Pan fine control

16	Tilt	0-255	Tilt movement control
17	Tilt Fine	0-255	Pan fine control
18	Function	0-255	
19	Reset	0-250	No function
		251-255	Reset with 5 seconds
20	Zoom	0-255	
21	Zoom Rotation	0-127	0 to 60 degree
		128-191	Unlimited clockwise rotation from fast to slow
		192-255	Unlimited anticlockwise rotation from fast to slow
22	Shape Selection	0-255	Selecting shape
23	Shape Speed	0-255	Shape speed control
24	Shape Fade	0-255	Shape fade
25	Shape R	0-255	Shape in Red color
26	Shape G	0-255	Shape in Green color
27	Shape B	0-255	Shape in Blue color
28	Shape W	0-255	Shape in White color
29	Shape Dimmer	0-255	Shape dimmer 0-100%
30	Background	0-255	Background dimmer 0-100%
31	Shape Transition	0-255	Shape change
32	Shape Offset	0-255	Shape offset
33	Foregroun strobe	0-255	Foreground strobe control
34	Backgroun strobe	0-255	Background strobe control
35	Background selection	0-255	Background selection
36	Strip strobe	0-3	Light off
		4-255	Random strobe
		251-255	Light on
37	Strip Macro	0-51	Inner programmed colors
		52-55	Effect 1
		56-59	Effect 2
		...	Each 4 values one effect
		252-255	Effect 51
38	Strip effect speed	0-255	Slow-fast

81 CH Mode

CH	Function	DMX	Details
1	Red	0-255	Red dimmer
2	Red Fine	0-255	Red fine control
3	Green	0-255	Green dimmer
4	Green Fine	0-255	Green fine control
5	Blue	0-255	Blue dimmer
6	Blue Fine	0-255	Blue fine control
7	White	0-255	White dimmer

8	White Fine	0-255	White fine control
9	CTO	0-255	Color temperature linear control
10	Macro colour	0-255	Marco color control
11	strobe	0-3	Light up
		4-203	Strobe with the same step from slow to fast
		204-255	Random strobe
12	Dimmer	0-255	0-100 linear dimmer from dark to bright
13	Dimmer Fine	0-255	Dimmer fine control
14	Pan	0-255	Pan movement control
15	Pan Fine	0-255	Pan fine control
16	Tilt	0-255	Tilt movement control
17	Tilt Fine	0-255	Pan fine control
18	Function	0-255	
19	Reset	0-250	No function
		251-255	Reset with 5 seconds
20	Zoom	0-255	
21	Zoom Rotation	0-127	0 to 60 degree
		128-191	Unlimited clockwise rotation from fast to slow
		192-255	Unlimited anticlockwise rotation from fast to slow
22	Strip strobe	0-3	Light off
		4-255	Synchronous strobe
		251-255	Light on
23	strip Strip Macro	0-51	Inner programmed colors
		52-55	Effect 1
		56-59	Effect 2
		...	Each 4 values one effect
		252-255	Effect 51
24	Strip effect speed	0-255	Slow-fast
25	Red dimmer 1	0-255	LED 1 red dimmer
26	Green dimmer 1	0-255	LED 1 green dimmer
27	Blue dimmer 1	0-255	LED 1 blue dimmer
28	Red dimmer 2	0-255	LED 2 red dimmer
29	Green dimmer 2	0-255	LED 2 green dimmer
30	Blue dimmer 2	0-255	LED 2 blue dimmer
......	....	....	....
...	....	....	....
79	Red dimmer 19	0-255	LED 19 red dimmer
80	Green dimmer	0-255	LED 19 green dimmer
81	Blue dimmer 19	0-255	LED 19 blue dimmer

95 CH Mode

CH	Function	DMX	Details
1	Red	0-255	Red dimmer
2	Red Fine	0-255	Red fine control

3	Green	0-255	Green dimmer
4	Green Fine	0-255	Green fine control
5	Blue	0-255	Blue dimmer
6	Blue Fine	0-255	Blue fine control
7	White	0-255	White dimmer
8	White Fine	0-255	White fine control
9	CTO	0-255	Color temperature linear control
10	Macro colour	0-255	Marco color control
11	strobe	0-3	Light up
		4-103	Strobe with the same step from slow to fast
		104-107	Light on
		108-207	Divide strobe from slow-fast
		208-212	Light on
		213-251	Random strobe from slow-fast
		252-255	Light on
12	Dimmer	0-255	0-100 linear dimmer from dark to bright
13	Dimmer Fine	0-255	Dimmer fine control
14	Pan	0-255	Pan movement control
15	Pan Fine	0-255	Pan fine control
16	Tilt	0-255	Tilt movement control
17	Tilt Fine	0-255	Pan fine control
18	Function	0-255	
19	Reset	0-250	No function
		251-255	Reset with 5 seconds
20	Zoom	0-255	
21	Zoom Rotation	0-127	0 to 60 degree
		128-191	Unlimited clockwise rotation from fast to slow
		192-255	Unlimited anticlockwise rotation from fast to slow
22	Shape Selection	0-255	Selecting shape
23	Shape Speed	0-255	Shape speed control
24	Shape Fade	0-255	Shape fade
25	Shape R	0-255	Shape in Red color
26	Shape G	0-255	Shape in Green color
27	Shape B	0-255	Shape in Blue color
28	Shape W	0-255	Shape in White color
29	Shape Dimmer	0-255	Shape dimmer 0-100%
30	Background Dimmer	0-255	Background dimmer 0-100%
31	Shape Transition	0-255	Shape change
32	Shape Offset	0-255	Shape offset
33	Foreground strobe	0-255	Foreground strobe control
34	Background strobe	0-255	Background strobe control
35	Background select	0-255	Background selection
36	Strip strobe	0-3	Light off
		4-255	Synchronous strobe
		251-255	Light on
37	Strip Macro	0-51	Inner programmed colors
		52-55	Effect 1
		56-59	Effect 2
		...	Each 4 values one effect
		252-255	Effect 51
38	Strip effect speed	0-255	Slow -fast
39	Red dimmer 1	0-255	LED 1 red dimmer
40	Green dimmer 1	0-255	LED 1 green dimmer

41	Blue dimmer 1	0-255	LED 1 blue dimmer
42	Red dimmer 2	0-255	LED 2 red dimmer
43	Green dimmer 2	0-255	LED 2 green dimmer
44	Blue dimmer 2	0-255	LED 2 blue dimmer
......	....	....	....
...	....	....	....
93	Red dimmer 19	0-255	LED 19 red dimmer
94	Green dimmer 19	0-255	LED 19 green dimmer
95	Blue dimmer 19	0-255	LED 19 blue dimmer

100 CH Mode

Channel	Function	DMX Value	Details
1	Red	0-255	Red dimmer
2	Red Fine	0-255	Red fine control
3	Green	0-255	Green dimmer
4	Green Fine	0-255	Green fine control
5	Blue	0-255	Blue dimmer
6	Blue Fine	0-255	Blue fine control
7	White	0-255	White dimmer
8	White Fine	0-255	White fine control
9	CTO	0-255	Color temperature linear control
10	Macro colour	0-255	Marco color control
11	strobe	0-3	Light up
		4-203	Strobe with the same step from slow to fast
		204-255	Randon strobe
12	Dimmer	0-255	0-100 linear dimmer from dark to bright
13	Dimmer Fine	0-255	Dimmer fine control
14	Pan	0-255	Pan movement control
15	Pan Fine	0-255	Pan fine control
16	Tilt	0-255	Tilt movement control
17	Tilt Fine	0-255	Pan fine control
18	Function	0-255	
19	Reset	0-250	No function
		251-255	Reset with 5 seconds
20	Zoom	0-255	
21	Zoom Rotation	0-127	0 to 60 degree
		128-191	Unlimited clockwise rotation from fast to slow
		192-255	Unlimited anticlockwise rotation from fast to slow
22	Strip strobe	0-3	Light off
		4-255	Synchronous strobe
		251-255	Light on
23	Strip Macro	0-51	Inner programmed colors
		52-55	Effect 1
		56-59	Effect 2
		...	Each 4 values one effect

		252-255	Effect 51
24	Strip effect speed	0-255	Slow-fast
25	Red dimmer 1	0-255	LED 1 red dimmer
26	Green dimmer 1	0-255	LED 1 green dimmer
27	Blue dimmer 1	0-255	LED 1 blue dimmer
28	White dimmer 1	0-255	LED 1 white dimmer
......	....	....	....
...	....	....	....
97	Red dimmer 19	0-255	LED 19 red dimmer
98	Green dimmer 19	0-255	LED 19 green dimmer
99	Blue dimmer 19	0-255	LED 19 blue dimmer
100	White dimmer 19	0-255	LED 19 white dimmer

102 CH Mode

CH	Function	DMX Value	Details
1	Pan	0-255	Pan movement control
2	Pan fine	0-255	Pan fine control
3	Tilt	0-255	Tilt movement control
4	Tilt fine	0-255	Pan fine control
5	Pan/Tilt speed	0-255	Speed from fast to slow
6	ZOOM	0-255	Zoom
7	LENS rotation	0-127	0 to 60 degree
		128-191	Unlimited clockwise rotation from fast to slow
		192-255	Unlimited anticlockwise rotation from fast to slow
8	Dimmer	0-255	0-100 linear dimmer from dark to bright
9	Strobe	0-3	Light up
		4-203	Strobe with the same step from slow to fast
		204-255	Random strobe
10	Red	0-255	1-100% Red linear dimmer from dark to bright
11	Green	0-255	1-100% Green linear dimmer from dark to bright
12	Blue	0-255	1-100% Blue linear dimmer from dark to bright
13	White	0-255	1-100% White linear dimmer from dark to bright
14	CTO	0-255	Linear color temperature control
15	Marco	0-255	Marco color change
16	Static effect	0-255	Each 5 DMX value is a kind of static effect
17	Dynamic effect	0-255	Each 5 DMX value is a kind of dynamic effect
18	Dynamic effect speed	0-255	Speed from slow to fast, pls operate against 15 CH
19	Background R	0-255	1-100% Background Red linear dimmer from dark to
20	Background G	0-255	1-100% Background Blue dimmer from dark to bright
21	Background B	0-255	1-100% Background Green dimmer from dark to bright
22	Background W	0-255	1-100% Background Blue dimmer from dark to bright
23	Strip strobe	0-3	Light off
		4-255	Synchronous strobe

		251-255	Light on
24	Strip Macro	0-51	Inner programmed colors
		52-55	Effect 1
		56-59	Effect 2
		...	Each 4 values one effect
		252-255	Effect 51
25	Strip effect speed	0-255	Slow-fast
26	Reset	0-250	No function
		251-255	Reset with 5 seconds
27	Red dimmer 1	0-255	LED 1 red dimmer
28	Green dimmer 1	0-255	LED 1 green dimmer
29	Blue dimmer 1	0-255	LED 1 blue dimmer
30	White dimmer 1	0-255	LED 1 white dimmer
......	....	....	....
...	....	....	....
99	Red dimmer 19	0-255	LED 19 red dimmer
100	Green dimmer 19	0-255	LED 19 green dimmer
101	Blue dimmer 19	0-255	LED 19 blue dimmer
102	White dimmer 19	0-255	LED 19 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.