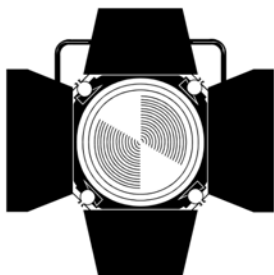


VIKING

STAGE LIGHTING



VK V3 & VK V3-MAX

User Manual

DESCRIPTION

- Retro/vintage-style LED luminaire with high tech RGBWA backlight & strobe effects;
- 8 segments inner ring RGB LEDs, 2 segments center ring warm white+amber LEDs, 1 segment back ring RGB LEDs and 8 segments outer ring RGB LEDs;
- 336 RGB, 87 warm white and 45 warm white+amber 0.8W LEDs, no ultraviolet radiation;
- Over 50,000 hours for the LED light source;
- With 4 temperature sensors to extend the LEDs life;
- AC 100-240V 50/60Hz;
- 400W power consumption for 220V;
- Aluminum & iron housing-materials, super silence fans;
- 2/7/16/51/55/64 DMX channels;
- Variable electronic strobe & 16-bit dimmer;
- DMX mode /Master-slave mode/ Standalone mode/ Auto-mode;
- PowerCon compatible AC power In/Out connectors;
- 7000 Hz LED scan rate;
- 3-pin or 5-pin DMX Input/ output;
- VK V3: H:493.5 W:462 D:265mm Weight: 8 kg
- VK V3-MAX: H:660 W:690 D:350mm Weight: 12 kg
- IP20.

DMX-512 control connection

The product has a DMX 512 input fitted with 3-pin XLR connectors. Screened cables in compliance with EIA RS-485 specifications and the following characteristics must be used for connections:

- 2 conductors plus screen
- 120Ohm impedance
- low capacitance
- max. transmission rate 250kBaud.

DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator.

Display Menu

Display Menu

Main Menu	Sub-menu	Value	
Config Mode	Channel Mode	2Ch	
		7Ch	
		16Ch	
		51Ch	
		55Ch	
		64Ch	
	Keep Screen On	Disable	
		Enable	
	Keep DMX Data	Disable	
		Enable	
	Fast Dimmer	Disable	
		Enable	
	System Info	Temperature	
	Load Default	TRUE	
FALSE			
LED All On	LED all on		
Auto Test Speed	Auto Mode Speed	0 - 255 (Fast to slow)	
Auto Test	Auto Mode 1		
	Auto Mode 2		
	Auto Mode 3		
	Auto Mode 4		
	Auto Mode 5		
	Auto Mode 6		

Main functions

1. Address: Current DMX address

A. Setting DMX address by button

press **ENTER** button when shown the **address** menu, then adjust the DMX address by pressing **[UP]** or **[DOWN]** button
Press **[ENTER]** to confirm or pressing **[ESC]** to return to main menu.

2. Config Mode:

Setting DMX mode

press **ENTER** button when shown the **channel mode** menu, then select the DMX mode by pressing **[UP]** or **[DOWN]** button

Fast Dimmer

press **ENTER** button when shown the **Fast Dimmer** menu, then select "able "or "disable" by pressing **[UP]** or **[DOWN]** button

3. System Info

Temperature

press **ENTER** button when shown the **Temperature** menu, then the temperature of the fixture will be shown.

4. Auto test

press **ENTER** button when shown the **Auto test** menu, then select the "Auto Mode options from 1 to 6" by pressing **[UP]** or **[DOWN]** buttons.

DMX functions and values

2Ch Mode

No.	Function	Values	Description
1	Master	000 - 255	0 - 100%
2	Flow Effect	000 - 041	No Function
		042 - 083	Effect 1
		084 - 125	Effect 2
		126 - 167	Effect 3
		168 - 209	Effect 4
		210 - 255	Effect 5

7Ch Mode

No.	Function	Values	Description	Remark
1	Master	000 - 255	0 - 100%	
2	Outer Dimmer	000 - 255	0 - 100%	White color.
3	Outer Strobe	000 - 010	No function	
		011 - 240	From slow to fast	
		241 - 255	Random flash	
4	Inner Dimmer	000 - 255	0 - 100%	
5	Inner Strobe	000 - 010	No function	Inner dimmer(4Ch) and master(1Ch) need to be on.
		011 - 240	From slow to fast	
		241 - 255	Random flash	
6	Center Dimmer	000-255	0 - 100%	
7	Center Strobe	000 - 010	No function	Center dimmer(6Ch) and master (1Ch) need to be on.
		011 - 240	From slow to fast	
		241 - 255	Random flash	

16Ch Mode

No.	Function	Values	Description
1	Master	000 - 255	0 - 100%
2	All LED Strobe	000 - 255	Slow to fast
3	Flow Effect	000 - 041	No function
		042 - 083	Effect 1
		084 - 125	Effect 2
		126 - 167	Effect 3
		168 - 209	Effect 4
		210 - 255	Effect 5
4	Dimmer Speed	000 - 254	Fast to slow
		255	Tungsten Effect
5	Outer Red	000 - 255	0 - 100%
6	Outer Green	000 - 255	0 - 100%
7	Outer Blue	000 - 255	0 - 100%
8	Outer Strobe	000 - 010	No function
		011 - 240	Slow to fast
		241 - 255	Random flash
9	Inner Red	000 - 255	0 - 100%
10	Inner Green	000 - 255	0 - 100%
11	Inner Blue	000 - 255	0 - 100%
12	Inner Strobe	000 - 010	No function
		011 - 240	Slow to fast
		241 - 255	Random flash
13	Center Warm White	000 - 255	0 - 100%
14	Center Amber	000 - 255	0 - 100%
15	Back Warm White	000 - 255	0 - 100%
16	Central Strobe	000 - 010	No function
		011 - 240	Slow to fast
		241 - 255	Random flash

51Ch Mode

No.	Function	Values	Description
1	Outer Red 1	000 - 255	0 - 100%
2	Outer Green 1	000 - 255	0 - 100%
3	Outer Blue 1	000 - 255	0 - 100%
4	Outer Red 2	000 - 255	0 - 100%
5	Outer Green 2	000 - 255	0 - 100%
6	Outer Blue 2	000 - 255	0 - 100%
7	Outer Red 3	000 - 255	0 - 100%
8	Outer Green 3	000 - 255	0 - 100%
9	Outer Blue 3	000 - 255	0 - 100%
10	Outer Red 4	000 - 255	0 - 100%
11	Outer Green 4	000 - 255	0 - 100%
12	Outer Blue 4	000 - 255	0 - 100%
13	Outer Red 5	000 - 255	0 - 100%
14	Outer Green 5	000 - 255	0 - 100%
15	Outer Blue 5	000 - 255	0 - 100%
16	Outer Red 6	000 - 255	0 - 100%
17	Outer Green 6	000 - 255	0 - 100%
18	Outer Blue 6	000 - 255	0 - 100%
19	Outer Red 7	000 - 255	0 - 100%
20	Outer Green 7	000 - 255	0 - 100%
21	Outer Blue 7	000 - 255	0 - 100%
22	Outer Red 8	000 - 255	0 - 100%
23	Outer Green 8	000 - 255	0 - 100%
24	Outer Blue 8	000 - 255	0 - 100%
25	Inner Red 1	000 - 255	0 - 100%
26	Inner Green 1	000 - 255	0 - 100%
27	Inner Blue 1	000 - 255	0 - 100%
28	Inner Red 2	000 - 255	0 - 100%
29	Inner Green 2	000 - 255	0 - 100%
30	Inner Blue 2	000 - 255	0 - 100%
31	Inner Red 3	000 - 255	0 - 100%
32	Inner Green 3	000 - 255	0 - 100%

33	Inner Blue 3	000 - 255	0 - 100%
34	Inner Red 4	000 - 255	0 - 100%
35	Inner Green 4	000 - 255	0 - 100%
36	Inner Blue 4	000 - 255	0 - 100%
37	Inner Red 5	000 - 255	0 - 100%
38	Inner Green 5	000 - 255	0 - 100%
39	Inner Blue 5	000 - 255	0 - 100%
40	Inner Red 6	000 - 255	0 - 100%
41	Inner Green 6	000 - 255	0 - 100%
42	Inner Blue 6	000 - 255	0 - 100%
43	Inner Red 7	000 - 255	0 - 100%
44	Inner Green 7	000 - 255	0 - 100%
45	Inner Blue 7	000 - 255	0 - 100%
46	Inner Red 8	000 - 255	0 - 100%
47	Inner Green 8	000 - 255	0 - 100%
48	Inner Blue 8	000 - 255	0 - 100%
49	Center Warm White	000 - 255	0 - 100%
50	Center Amber	000 - 255	0 - 100%
51	Back Warm White	000 - 255	0 - 100%

55Ch Mode

No.	Function	Values	Description
1	Master	000-255	0 -100%
2	Outter Red 1	000-255	0 -100%
3	Outter Green 1	000-255	0 -100%
4	Outter Blue 1	000-255	0 -100%
5	Outter Red 2	000-255	0 -100%
6	Outter Green 2	000-255	0 -100%
7	Outter Blue 2	000-255	0 -100%
8	Outter Red 3	000-255	0 -100%
9	Outter Green 3	000-255	0 -100%
10	Outter Blue 3	000-255	0 -100%
11	Outter Red 4	000-255	0 -100%
12	Outter Green 4	000-255	0 -100%
13	Outter Blue 4	000-255	0 -100%
14	Outter Red 5	000-255	0 -100%
15	Outter Green 5	000-255	0 -100%
16	Outter Blue 5	000-255	0 -100%
17	Outter Red 6	000-255	0 -100%
18	Outter Green 6	000-255	0 -100%
19	Outter Blue 6	000-255	0 -100%
20	Outter Red 7	000-255	0 -100%
21	Outter Green 7	000-255	0 -100%
22	Outter Blue 7	000-255	0 -100%
23	Outter Red 8	000-255	0 -100%
24	Outter Green 8	000-255	0 -100%
25	Outter Blue 8	000-255	0 -100%
26	Outer Strobe	000 - 010	No function
		011 - 240	Slow to fast
		241 - 255	Ramdom flash
27	Inner Red 1	000-255	0 -100%
28	Inner Green 1	000-255	0 -100%
29	Inner Blue 1	000-255	0 -100%

30	Inner Red 2	000-255	0 -100%
31	Inner Green 2	000-255	0 -100%
32	Inner Blue 2	000-255	0 -100%
33	Inner Red 3	000-255	0 -100%
34	Inner Green 3	000-255	0 -100%
35	Inner Blue 3	000-255	0 -100%
36	Inner Red 4	000-255	0 -100%
37	Inner Green 4	000-255	0 -100%
38	Inner Blue 4	000-255	0 -100%
39	Inner Red 5	000-255	0 -100%
40	Inner Green 5	000-255	0 -100%
41	Inner Blue 5	000-255	0 -100%
42	Inner Red 6	000-255	0 -100%
43	Inner Green 6	000-255	0 -100%
44	Inner Blue 6	000-255	0 -100%
45	Inner Red 7	000-255	0 -100%
46	Inner Green 7	000-255	0 -100%
47	Inner Blue 7	000-255	0 -100%
48	Inner Red 8	000-255	0 -100%
49	Inner Green 8	000-255	0 -100%
50	Inner Blue 8	000-255	0 -100%
51	Inner Strobe	000 - 010	No function
		011 - 240	Slow to fast
		241 - 255	Ramdom flash
52	Center Warm White	000-255	0 -100%
53	Center Amber	000-255	0 -100%
54	Center Slave Warm White	000-255	0 -100%
55	Center Strobe	000 - 010	No Function
		011 - 240	Slow to fast
		241 - 255	Ramdom flash

64Ch Mode

No.	Function	Values	Description
1	Master	000 - 255	0 - 100%
2	All LED Strobe	000 - 255	Slow to fast
3	Flow Effect	000 - 041	No function
		042 - 083	Effect 1
		084 - 125	Effect 2
		126 - 167	Effect 3
		168 - 209	Effect 4
		210 - 255	Effect 5
4	Dimmer Speed	000 - 254	Fast to slow
		255	Tungsten effect
5	Outer Red	000 - 255	0 - 100%
6	Outer Green	000 - 255	0 - 100%
7	Outer Blue	000 - 255	0 - 100%
8	Outer Strobe	000 - 010	No function
		011 - 240	Slow to fast
		241 - 255	Random flash
9	Inner Red	000 - 255	0 - 100%
10	Inner Green	000 - 255	0 - 100%
11	Inner Blue	000 - 255	0 - 100%
12	Inner Strobe	000 - 010	No function
		011 - 240	Slow to fast
		241 - 255	Random flash
13	Center Warm White	000 - 255	0 - 100%
14	Center Amber	000 - 255	0 - 100%
15	Back Warm White	000 - 255	0 - 100%
16	Central Strobe	000 - 010	No function
		011 - 240	Slow to fast
		241 - 255	Random flash
17	Outter Red 1	000 - 255	0 - 100%
18	Outter Green 1	000 - 255	0 - 100%
19	Outter Blue 1	000 - 255	0 - 100%

20	Outter Red 2	000 - 255	0 - 100%
21	Outter Green 2	000 - 255	0 - 100%
22	Outter Blue 2	000 - 255	0 - 100%
23	Outter Red 3	000 - 255	0 - 100%
24	Outter Green 3	000 - 255	0 - 100%
25	Outter Blue 3	000 - 255	0 - 100%
26	Outter Red 4	000 - 255	0 - 100%
27	Outter Green 4	000 - 255	0 - 100%
28	Outter Blue 4	000 - 255	0 - 100%
29	Outter Red 5	000 - 255	0 - 100%
30	Outter Green 5	000 - 255	0 - 100%
31	Outter Blue 5	000 - 255	0 - 100%
32	Outter Red 6	000 - 255	0 - 100%
33	Outter Green 6	000 - 255	0 - 100%
34	Outter Blue 6	000 - 255	0 - 100%
35	Outter Red 7	000 - 255	0 - 100%
36	Outter Green 7	000 - 255	0 - 100%
37	Outter Blue 7	000 - 255	0 - 100%
38	Outter Red 8	000 - 255	0 - 100%
39	Outter Green 8	000 - 255	0 - 100%
40	Outter Blue 8	000 - 255	0 - 100%
41	Inner Red 1	000 - 255	0 - 100%
42	Inner Green 1	000 - 255	0 - 100%
43	Inner Blue 1	000 - 255	0 - 100%
44	Inner Red 2	000 - 255	0 - 100%
45	Inner Green 2	000 - 255	0 - 100%
46	Inner Blue 2	000 - 255	0 - 100%
47	Inner Red 3	000 - 255	0 - 100%
48	Inner Green 3	000 - 255	0 - 100%
49	Inner Blue 3	000 - 255	0 - 100%
50	Inner Red 4	000 - 255	0 - 100%
51	Inner Green 4	000 - 255	0 - 100%
52	Inner Blue 4	000 - 255	0 - 100%

53	Inner Red 5	000 - 255	0 - 100%
54	Inner Green 5	000 - 255	0 - 100%
55	Inner Blue 5	000 - 255	0 - 100%
56	Inner Red 6	000 - 255	0 - 100%
57	Inner Green 6	000 - 255	0 - 100%
58	Inner Blue 6	000 - 255	0 - 100%
59	Inner Red 7	000 - 255	0 - 100%
60	Inner Green 7	000 - 255	0 - 100%
61	Inner Blue 7	000 - 255	0 - 100%
62	Inner Red 8	000 - 255	0 - 100%
63	Inner Green 8	000 - 255	0 - 100%
64	Inner Blue 8	000 - 255	0 - 100%