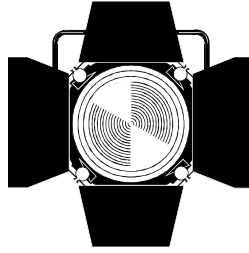


VIKING STAGE LIGHTING



M118

VK1430 Pixelcyc



The VK1430 Pixelcyc Bar is a powerful LED Cob Light using 14 30w RGB Led Cobs and producing excellent colours inc colour correction and vivid Yellows, oranges, greens blues and ambers. In addition to being ideal for lighting a Cyclorama the unit is ideal for use as Eye Candy due to it's ability to control each Led separately and do full pixel mapping. In addition to DMX control it has 15 excellent stand alone built in programs together with the ability to modify or customise these programs to the users choice of colour , effect etc when using a DMX controller or lighting desk.

The unit is IP65 rated for use outside in the wet and can be hung vertically or horizontally via the floor standing feet using hook clamps or half couplers. With no fan the VK1430 is completely silent making it ideal for theatre use. If multiple units are placed end to end then the spacing between each LED remains constant.

Please read these instructions before use to ensure you get the best out of our VK1430's !

Power to the light is via 16a In and Out Mains connectors , allowing up to 6 units to be daisy chained on a 13a mains feed or 7 on a 16a mains feed. DMX Data is in/out via XLR 3 pin connectors and as with all DMX products it is recommended to fit a Terminator to the last DMX product on the data line to ensure a clean signal.

Operation

Simple to operate there are built in programs for creating effects, but in practice these are not normally of any use as the colour temperature and brightness are the two properties that are likely to be used.

Rear LED DISPLAY

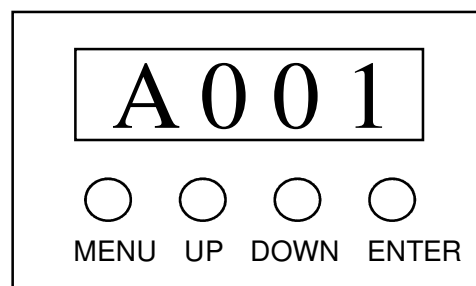
Operation of buttons

Menu: Used to select function

UP: Increase parameter value

Down: Decrease parameters value

Enter: to confirm value/preserve/enter submenu



To Set DMX Mode:

In order to enter the DMX start address of the unit select d001 on the menu, then enter the required start address using the **Up** or **Down** buttons and when correct for your requirement remember to press **Enter** to store. *The unit remembers settings when turned off as long as the Enter button has been pressed.*

If using multiple units the use of the ID menu function can save considerable time in calculating out each start Dmx address in 42 channel mode as it will automatically calculate this for you by adding 42 to the start address for each unit. Ie: an ID of ID04 will automatically set the DMX address to 42x4 (168)

LED Display Functions

Display	Value	Function
D001	1-512	DMX Address for unit

LED Display Stand Alone Functions

ID01	1-70	ID for easy DMX setting - see instructions
R255	0-255	Red Stand Alone Brightness
G255	0-255	Green Stand Alone Brightness
B255	0-255	Blue Stand Alone Brightness
FF99	00-99	Strobe from slow to fast
R2001	0-255	Manual Level of Warm White
1JP0	0-9	Program 1: 1 led jumps to next 1, after all 14 colour changes
2JP0	0-9	Program 2: 2 leds jumps to next 2, after all 14 colour changes
3JP0	0-9	Program 3: 3 leds jump to next 3, after all 14 colour changes
4JP0	0-9	Program 4: Build Led by Led & when complete change colour and rebuild
5JP0	0-9	Program 5: Bounce Led at each end to centre and back then change colour
6JP0	0-9	Program 6: Bounce as Program 5 and also build
7JP0	0-9	Program 7: Build 1 Led at a time thru colours till white and then build to 14 all white
8JP0	0-9	Program 8: All 14 Leds on with single Led chasing
9JP0	0-9	Program 9: As Program 8 but 1 led chasing, then 2 then 3 led chasing
1dE0	0-9	Red Led Pulsing Effect
2dE0	0-9	Green Led Pulsing Effect
3dE0	0-9	Blue Led Pulsing Effect
4dE0	0-9	Pink Led Pulsing Effect
5dE0	0-9	Yellow Led Pulsing Effect
6dE0	0-9	Chasing each colour pulsing effect
Sud0	0-9	Sound Activated from slow to fast
CH02	2/3/5/8/42/44	DMX Channel Mode setting
	0	Temperature of unit display in Centigrade

The above menu options are for allowing stand alone use without a controller. For DMX use, please see DMX Mode profiles below.

VK1430 Pixelcyc DMX Modes Continued

2 Channel Mode

Channel	DMX Value	Function
1	000-005	Null - all leds off
	006-016	Red
	017-027	Green
	028-038	Blue
	039-049	Yellow
	050-060	Pink
	061-071	Cyan
	072-082	White
	083-093	Effect 1JP Program 1
	094-104	Effect 2JP Program 2
	105-115	Effect 3JP Program 3
	116-126	Effect 4JP Program 4
	127-137	Effect 5JP Program 5
	138-148	Effect 6JP Program 6
	149-159	Effect 7JP Program 7
	160-170	Effect 8JP Program 8
	171-181	Loops Effect 1JP through 8JP
	182-192	Red Led Pulsing Effect
	193-203	Green Led Pulsing Effect
	204-214	Blue Led Pulsing Effect
215-225	Pink Led Pulsing Effect	
226-236	Yellow Led Pulsing Effect	
237-247	Loops red through yellow pulse effect	
248-255	Sound Activated	
2	0-255	Speed of effect from slow to fast

3 Channel Mode

Channel	DMX Value	Function
1	000-255	All Red 0 to 100%
2	000-255	All Green 0 to 100%
3	000-255	All Blue 0 to 100%

5 Channel Mode

Channel	DMX Value	Function
1	000-255	Master Dimmer 0-100%
2	000-255	RGB Strobe slow to fast
3	000-255	All Red 0 to 100%
4	000-255	All Green 0 to 100%
5	000-255	All Blue 0 to 100%

VK1430 Pixelcyc DMX Modes Continued

8 Channel Modes

8 Channel	DMX Value	Function
1	000-255	Master Dimmer 0 to 100%
2	000-255	RGB Strobe slow to fast
3	000-005	No Function
	006-015	User programmed Fx 1
	016-025	User programmed Fx 2
	026-035	User programmed Fx 3
	036-045	User programmed Fx 4
	046-055	User programmed Fx 5
	056-065	User programmed Fx 6
	066-075	User programmed Fx 7
	076-085	User programmed Fx 8
	086-095	User programmed Fx 9
	096-105	User programmed Fx 10
	106-115	User programmed Fx 11
	116-125	User programmed Fx 12
	126-135	User programmed Fx 13
	136-145	Built in Led Chase Fx1
	146-155	Built in Led Chase Fx2
	156-165	Built in Led Chase Fx3
	166-175	Built in Led Chase Fx4
	176-185	Built in Led Chase Fx5
	186-195	Built in Led Chase Fx6
	196-205	Built in Led Chase Fx7
	206-215	Built in Led Chase Fx8
	216-225	Fx 1 to 8 in sequence & loop
	226-235	Yellow gradual changing Fx
236-245	Gradual FX Change & Loop	
246-255	Sound Controlled Fx	
4	000-255	Fx Speed from Slow to Fast
5	000-255	Background colour for User FX
6	000-255	Red - All Led
7	000-255	Green - All Led
8	000-255	Blue - All Led

User programmed Fx

User programmed Fx are possible using Channel 3 with a DMX level of between 006 and 135. When set at this level the user can then make their own Fx by setting the following 7 channels values:

User Programmed Fx Control Channels

Channel	Function
1	Master Dimmer for Fx
2	RGB Strobe slow to fast for Fx
4	Fx Speed
5	Set Fx Background Colour
6	Set Fx Red level
7	Set Fx Green level
8	Set Fx Blue level

Remember: Channel 3 MUST have a level of between 006 and 135 for the above to be active

VK1430 Pixelcyc DMX Modes Continued

42 & 44 Channel Modes

42 Channel	44 Channel	DMX Value	Function
	1	000-255	Master Dimmer 0 to 100%
	2	000-255	RGB Strobe slow to fast
1	3	000-255	Led 1 Red 0-100%
2	4	000-255	Led 1 Green 0-100%
3	5	000-255	Led 1 Blue 0-100%
4	6	000-255	Led 2 Red 0-100%
5	7	000-255	Led 2 Green 0-100%
6	8	000-255	Led 2 Blue 0-100%
7	9	000-255	Led 3 Red 0-100%
8	10	000-255	Led 3 Green 0-100%
9	11	000-255	Led 3 Blue 0-100%
10	12	000-255	Led 4 Red 0-100%
11	13	000-255	Led 4 Green 0-100%
12	14	000-255	Led 4 Blue 0-100%
13	15	000-255	Led 5 Red 0-100%
14	16	000-255	Led 5 Green 0-100%
15	17	000-255	Led 5 Blue 0-100%
16	18	000-255	Led 6 Red 0-100%
17	19	000-255	Led 6 Green 0-100%
18	20	000-255	Led 6 Blue 0-100%
19	21	000-255	Led 7 Red 0-100%
20	22	000-255	Led 7 Green 0-100%
21	23	000-255	Led 7 Blue 0-100%
22	24	000-255	Led 8 Red 0-100%
23	25	000-255	Led 8 Green 0-100%
24	26	000-255	Led 8 Blue 0-100%
25	27	000-255	Led 9 Red 0-100%
26	28	000-255	Led 9 Green 0-100%
27	29	000-255	Led 9 Blue 0-100%
28	30	000-255	Led 10 Red 0-100%
29	31	000-255	Led 10 Green 0-100%
30	32	000-255	Led 10 Blue 0-100%
31	33	000-255	Led 11 Red 0-100%
32	34	000-255	Led 11 Green 0-100%
33	35	000-255	Led 11 Blue 0-100%
34	36	000-255	Led 12 Red 0-100%
35	37	000-255	Led 12 Green 0-100%
36	38	000-255	Led 12 Blue 0-100%
37	39	000-255	Led 13 Red 0-100%
38	40	000-255	Led 13 Green 0-100%
39	41	000-255	Led 13 Blue 0-100%
40	42	000-255	Led 14 Red 0-100%
41	43	000-255	Led 14 Green 0-100%
42	44	000-255	Led 14 Blue 0-100%