

# Viking VK530 RGB Cob

## 5x30w RGB 38° Cob

### Bar Instructions



This Led light is designed to wash area using RGB Cob LED either as stand alone or DMX controlled with either 8 or 20 DMX channels & DMX input and output on 3 pin XLR Connectors. Using the unique Expanded DMX addressing mode it is possible to fully control up to 50 units using only 8 or 22 channels of DMX.

Power is via Powercon in and out mains connectors & is protected with an external 6.3a 20mm fuse. It has high output COB Led and can has Feet for floor standing or hung via hook clamps.

In Master Slave Configuration, all Slave heads must be set to FROM on the LED menu. The master unit can then be set to respond to built in programs and all Slave units will respond likewise.

To select DMX mode the display of the unit MUST show either A001 or H001 where 001 is the DMX address of the head. A012 would indicate DMX address of 12 and the unit in 8 channel mode whereas H012 would indicate DMX address of 12 in 20 channel control mode. The unit will not respond to DMX if not showing the address on the LED panel.

#### Display Settings:

Display	Value	Function
A001	001-512	Select DMX starting address for the light in 8CH Mode
H001	001-512	Select DMX starting address for the light in 20CH Mode
CC00	CC 01-99	Select Colour Snap Macro and speed 01-99
CP00	CP 01-99	Select Colour Gradient Macro and speed 01-99
DE00	DE 01-99	Select Colour Pulse Macro and speed 01-99
FF00	FF 01-99	Select Running Pattern Macro and speed 01-99
BEB1	BEB1	Sound Active Macro 1
BEB2	BEB2	Sound Active Macro 2
ID00	ID 00-20	Expanded DMX ID unit number
FROM		Unit is in Slave mode

#### DMX Channels

8 Ch	20 Ch		Function
1	1	0-255	Master Dimmer (Dark to Bright)
2	2	0-255	Master Strobe (Slow to Fast)
3	3		Function Selection
		0-20	DMX Control
		21-70	Colour Macro Jump
		71-120	Colour Macro Fade
		121-170	Colour Macro Pulse
		171-220	Colour Macro Running Pattern
		221-240	Sound Activated Macro 1
		241-255	Sound Activated Macro 2
4	4	0-255	Speed of Colour Macro - Slow to Fast
5	5	0-255	Red Dimmer Led 1 (all in 8ch) - Dark to Bright
6	6	0-255	Green Dimmer Led 1 (all in 8ch) - Dark to Bright
7	7	0-255	Blue Dimmer Led 1 (all in 8ch) - Dark to Bright
	8	0-255	Red Dimmer Led 2 - Dark to Bright
	9	0-255	Green Dimmer Led 2 - Dark to Bright
	10	0-255	Blue Dimmer Led 2 - Dark to Bright
	11	0-255	Red Dimmer Led 3 - Dark to Bright
	12	0-255	Green Dimmer Led 3 - Dark to Bright
	13	0-255	Blue Dimmer Led 3 - Dark to Bright
	14	0-255	Red Dimmer Led 4 - Dark to Bright
	15	0-255	Green Dimmer Led 4 - Dark to Bright
	16	0-255	Blue Dimmer Led 4 - Dark to Bright
	17	0-255	Red Dimmer Led 5 - Dark to Bright
	18	0-255	Green Dimmer Led 5 - Dark to Bright
	19	0-255	Blue Dimmer Led 5 - Dark to Bright
8	20	0-255	Expanded DMX Cob ID No (see Chart overleaf)

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## Cob Bar ID reference by DMX (Value of Ch8 or Ch20)

DMX Value	Cob Bar ID No
0-4	ID0
5-9	ID1
10-14	ID2
15-19	ID3
20-24	ID4
25-29	ID5
30-34	ID6
35-39	ID7
40-44	ID8
45-49	ID9
50-54	ID10
55-59	ID11
60-64	ID12
65-69	ID13
70-74	ID14
75-79	ID15
80-84	ID16
85-89	ID17
90-94	ID18
95-99	ID19
100-104	ID20
105-109	ID21
110-114	ID22
115-119	ID23
120-124	ID24
125-129	ID25
130-134	ID26
135-139	ID27
140-144	ID28
145-149	ID29
150-154	ID30
155-159	ID31
160-164	ID32
165-169	ID33

DMX Value	Cob Bar ID No
170-174	ID34
175-179	ID35
180-184	ID36
185-189	ID37
190-194	ID38
195-199	ID39
200-204	ID40
205-209	ID41
210-214	ID42
215-219	ID43
220-224	ID44
225-229	ID45
230-234	ID46
235-239	ID47
240-244	ID48
245-249	ID49
250-254	ID50

### Expanded DMX

Using the Expanded DMX address Ch8 or Ch20 allows the Controller to address up to 50 units using the Cob Bar Id number without using extra DMX channels.

For example, using 5 VK530 Cob Bars, set the ID of each bar to an unique number - eg 1,2,3,4 and 5 on the last bar. **Note: to adjust the Bar ID hold down the Enter button whilst pressing the up or down button.** This is to prevent accidentally setting or altering an ID in error.

Once the 5 bars have separate ID you can alter the colour of ALL the bars by altering the red, green, blue, macro or strobe channels with the ID channel at a value of 0. Increasing the ID channel to a level of 5-9 will give control to just the Cob Bar 1, giving the ID channel a level of 10-14 will address Cob Bar 2 and the ID Channel a level of 15-19 will give control to Cob Bar 3 and so on (see next page for COB ID Levels)

With an ID channel level of 0 the control will be for all bars with the same DMX address. It is, of course possible to use the lights in the traditional manner where each one has it's own DMX address, but this will use up considerable channels with multiple units and will make the Expanded DMX mode redundant.

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