



Kam LED Powercan 24w Instruction manual version 1.0

Thank you for purchasing this product. To optimise the performance, prior to use, please read these operating instructions carefully to familiarise yourself with its basic operations. Please keep these instructions in a safe place for future reference. This unit has been tested in the factory before being shipped to you.

Warning

To prevent or reduce the risk of electrical shock or fire, do not expose this unit to high temperature, rain or moisture. There are no serviceable parts in the unit, please have all servicing and adjustments made by a qualified service engineer.

Features

24 high power 1W LEDs with RGB color mixing
Sound-to-Light, DMX and Stand-alone operation with Master/Slave
7 DMX channels

Operation

Manual Mode (fixed color, without color changing / without chasing).

1. Link up more than 2 units or more and set Master and Slave
Master: DIP switch 10 to ON / Slave: DIP switch 1 to ON, the others to OFF.
2. To set color by setting the DIP switches of the Master unit:
Set DIP switches 8, 9, and 10 to ON:
DIP 1 ON = Red LED at medium brightness;
DIP 2 ON = Red LED at high brightness;
DIP 3 ON = Green LED at medium brightness;
DIP 4 ON = Green LED at high brightness;
DIP 5 ON = Blue LED at medium brightness;
DIP 6 ON = Blue LED at high brightness;

All linked slave units' color will be same as the Master unit.

The above settings cannot work with a DMX controller.

When two or more LEDs are in serial, the settings apply to Master only.

Do not make any settings on the Slaves otherwise, there will be unexpected color changing.

Sound-to-Light Mode

Master: set the Master unit DIP switch 10 to ON.

Slave: set DIP switch 1 to ON and the others to OFF.

Built-in Chase Mode

1. Set the Master's DIP switches 7, 9 and 10 to ON.
2. Set built-in chase by setting the DIP switches 1-6 of the Master unit.
DIP switch 1 to ON: Chase 1
DIP switch 2 to ON: Chase 2
DIP switch 3 to ON: Chase 3
DIP switch 4 to ON: Chase 4
DIP switch 5 to ON: Chase 5
DIP switch 6 to ON: Chase 6

DMX Mode

1. Set DIP switch 10 of all units to OFF.
2. Set the address code by setting DIP switch 1-9 of each unit.
1) Set DIP switches position to Sound Active or Auto Mode.
Set DIP switch 11 to ON for 3 DMX channels and OFF for 7 DMX channels.

DMX Channel values

CHANNEL	VALUE	FUNCTION	
1	001 ⇔ 255	Red Dimmer: 0% ~ 100%	
2	001 ⇔ 255	Green Dimmer: 0% ~ 100%	
3	001 ⇔ 255	Blue Dimmer: 0% ~ 100%	
4	000 ⇔ 015 016 ⇔ 255	Color Macros No Function Color Macros	
5	000 ⇔ 255	Speed (CH.6 @ values 32-223) Slow ~ Fast	
	000 ⇔ 015 016 ⇔ 255	Strobe (RGB mode only) No Function Slow ~ Fast	
6		Mode	When CH.6 is set to these values, CH.5 controls the speed.
	000 ⇔ 031	RGB mode	
	032 ⇔ 063	Pulse effect 0%~100% (using RGB faders)	
	064 ⇔ 095	Pulse effect 100%~0% (using RGB faders)	
	096 ⇔ 127	Pulse effect 100%~0%~100% (using RGB faders)	
	128 ⇔ 159	Auto fade transition	
160 ⇔ 191	Auto snap transition (3 colors)		
192 ⇔ 223	Auto snap transition (7 colors)		
	224 ⇔ 255	Sound triggering mode	
7	000 ⇔ 255	Dimmer Intensity (RGB/Macro modes): 0% ~ 100%	

Technical specifications

Power supply	220V-240V AC, 50-60 Hz
Power consumption	30W
Sound-control	Via built-in microphone
Packing size (LxWxH)	220 x 220 x 360 mm
Net Weight	2 kg
Gross weight	2.5 kg
Maximum ambient temperature t_a	45° C
Maximum housing temperature t_b (steady state)	60° C
Fuse	T 1 A, 250 V

For the latest manual updates and information on the entire Kam range please visit:

www.kam.co.uk

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Due to continuous product development, specifications and appearance are subject to change.

If this product is ever no longer functional please take it to a recycling plant for environmentally friendly disposal.