LIGHTING

Professional Lighting Solutions

www.kam.co.uk

Due to constant product development all specifications are subject to alteration without notice.

LIGHTING

Professional Lighting Solutions

LED **PAR** 36

PRODUCT MANUAL

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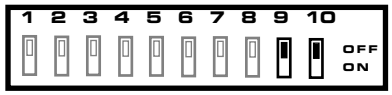
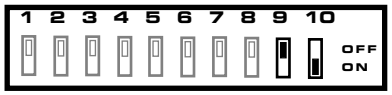
A. Manual Colour Setting

1. To set Master and Slave for an unchanged colour

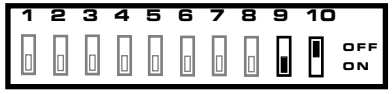
Master: DIP switches 9 and 10 at OFF



Slave: DIP switch 9 at OFF, 10 at ON



2. To set changing colours of LED serial
Master: DIP switch 9 at ON, 10 at OFF, 1-8 with different settings (see No.3). Slave: Intact.



3. Settings of Master DIP switch 1-8:

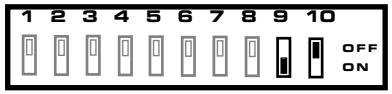
- DIP 1 ON: Red LED at low brightness;
- DIP 2 ON: Red LED at medium brightness;
- DIP 3 ON: Red LED at high brightness;
- DIP 4 ON: Green LED at low brightness;
- DIP 5 ON: Green LED at medium brightness;
- DIP 6 ON: Green LED at high brightness;
- DIP 7 ON: Blue LED at medium brightness;
- DIP 8 ON: Blue LED at high brightness.
- DIP 9 ON and the either 3,4,5,6 ON various speed colour change

- The above settings are for stand alone mode only and not for use with a DMX controller.
- When two or more LEDs are linked, settings apply to Master unit only. DO NOT set dipswitches on Slave unit. Otherwise, there will be unexpected colour changing.

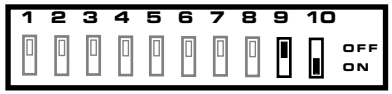
B. Programming of built-in chases

1. To set Master and Slave

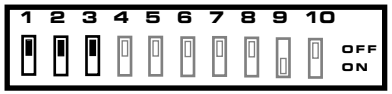
Master: DIP switch 9 at ON,



Slave: DIP switch 9 at OFF, 10 at ON

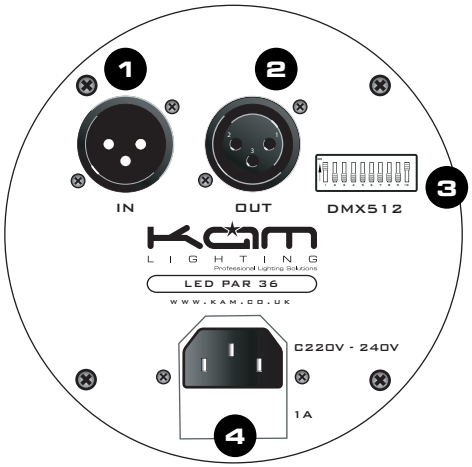


2. To set built-in chase by setting DIP switch 1-3 of the Master.



DIP switch status			Chase
1.OFF	2.OFF	3.OFF	8 colour looping
1.ON	2.OFF	3.OFF	Full on and flashing
1.OFF	2.ON	3.OFF	Full on and strobe
1.ON	2.ON	3.OFF	Red/blue switching
1.OFF	2.OFF	3.ON	Auto looping
1.ON	2.OFF	3.ON	Colour chasing
1.OFF	2.ON	3.ON	Sequent light on
1.ON	2.ON	3.ON	Colour changing

3. To set chase speed by setting DIP switch 4-8 of the Master.



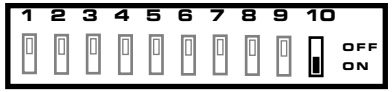
BACK PANEL

1. **DMX IN**
2. **DMX OUT**
3. **DIPSWITCH SETTINGS**
4. **MAINS IEC**

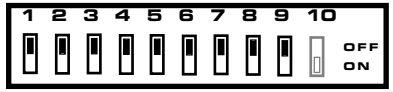
DIP switch status	Speed
4.ON	Maximum 15 sec approx
5.ON	Fast 20 sec approx
6.ON	Medium 30 sec approx
7.ON	Slow 60 sec approx
8.ON	Minimum 120 sec approx

C. Connection to DMX controller

1. To set DIP switch 10 of all LEDs at ON.



2. To set address code by setting DIP switch 1-9 of each LED.



DIP switch	1.ON	2.ON	3.ON	4.ON	5.ON	6.ON	7.ON	8.ON	9.ON
Value	1	2	4	8	16	32	64	128	256

The total value of the DIP switches is the address code.

3. Each LED occupies 4 DMX channels, functions as below:

DMX Channel	Function
Channel 1	0 Close; 1-127 Strobe speed; 128-255 Brightness
Channel 2	0-255 (R) Brightness of red colour
Channel 3	0-255 (G) Brightness of green colour
Channel 4	0-255 (B) Brightness of blue colour

As each LED occupies 4 DMX channels, the address code of the first LED should be set as 0; and the second as 4; third, 8; fourth, 12 …

D. Features

- Red: 44 LEDs; Green: 21 LEDs; Blue: 21 LEDs. Total: 86 LEDs.
- Options for LED: Flat end; Astigmatic end; Condensing end. The beam divergence angle of condensing end is ranged from 15°-60°
- Red LED: 6000mcd; Green LED: 8000mcd; Blue LED: 8000mcd.
- DMX control mode, each with 4 channels.
- Master-slave mode, with various built-in chases.
- 256° x 256° x 256 colors available.
- Low power consumption (5W); Long life hour.

Please note: All information is subject to change without prior notice.