



I N S T R U C T I O N M A N U A L

PAR56 V2

LED parcan lighting effect

M A N U A L V E R S I O N 3 . 0

16-01-12

LED parcan lighting effect
Modern replacement of a PAR56 light
No bulbs to replace, lightweight and portable
7 channel DMX controllable LED colour mixable spotlights
Sound-to-light mode for non-DMX use
Sound-to-Light operation via built-in mic / Variable mic sensitivity
Preset programs / DMX in and out
RGB configurations and colour mixing / Soft fade colour mixing
Standard LEDs beam angle 25 degrees
DMX control mode, each with 7 channels / Colour can be also set manually
Dip switches for menu control / 151 x 5mm ultra bright LEDs
Low power consumption / Tough metal chassis / Adjustable hanging bracket
Mains fused IEC / Dimensions: 205 x 225 x 210mm (WxHxD) / Weight: 1kg

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

www.kam.co.uk

Kam products are manufactured by: **Lamba plc**, Unit 1, Southfields Road, Dunstable, Bedfordshire, United Kingdom LU6 3EJ
Telephone: (+44) (0)1582 690600 • Fax: (+44) (0)1582 690400 • Email: mail@lambapl.com • Web: www.lambapl.com

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

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

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Thank you for purchasing this KAM product, we are sure that it will serve you for many years to come.

To optimise the performance of this product, please read these operating instructions carefully to familiarise yourself with the basic operations of this unit. After you have read the instructions, please retain them for future reference.

This unit has been tested at the factory before being shipped to you.

To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture. To prevent a fire hazard, do not expose the unit to any naked flame sources. Unplug this apparatus during lightning storms or if it is unlikely to be used for long periods of time.

When installing the unit, please ensure you leave enough space around the unit for ventilation. Slots and openings in the unit are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. To prevent fire hazard, the openings should never be blocked or covered.

Always handle the power cable by the plug. Never pull out the plug by pulling on the cable. Never touch the power cable when your hands are wet as this could cause an electric shock. Do not tie a knot in the cable. The power cable should be placed such that it is not likely to be stepped on. A damaged power cable can cause a fire or give you an electrical shock. Check the power cord periodically, if you ever find that it is damaged, replace it before using the unit again. Contact your retailer for a replacement.

The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage of the area where this unit is to be used meets the required written on the unit.



The lightning flash symbol inside a triangle is intended to alert the user to the presence high voltage within the unit's enclosure that may be of sufficient power to constitute a risk of electrical shock to persons.

Caution: to prevent the risk of electric shock, do not attempt to open the unit. No user-serviceable parts inside. Refer all servicing to qualified service personnel.

The exclamation mark inside a triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

Any modification carried out on the unit may invalidate the unit's warranty.

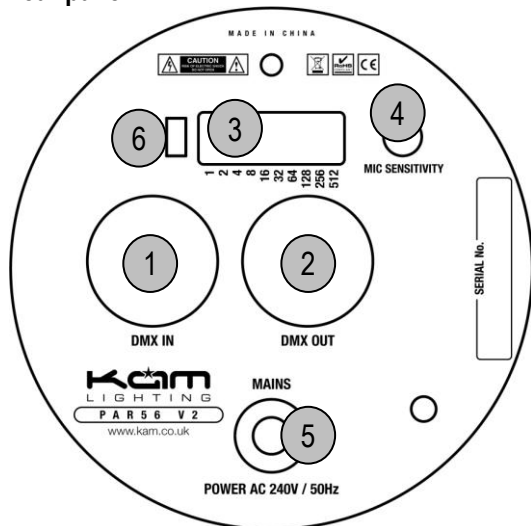
If applicable, only use the stand, tripod or bracket specified or sold with the apparatus.

Select the installation location of your unit carefully. Avoid placing it in direct sunlight or locations subject to vibration and excessive dust. Do not use the unit where there are extremes in temperature (below 41°F / 5°C or exceeding 95°F / 35°C).

Unpacking and safety: Please unpack your new product carefully, your new product should reach you in perfect condition. Please check that no damage has occurred during transit. If any damage is found, do not operate your unit. Please contact the retailer you purchased it from immediately. If there is any damage to the mains cable do not use the device. Always disconnect the unit from the mains supply when carrying out any servicing or cleaning of the unit.

The serial number for this equipment should be located on the rear or underside of the unit. Please make a note of this number as you will need it for your warranty, it is a good idea to keep a copy of the serial number for your own records.

Rear panel



1. DMX in
2. DMX out
3. DMX address dip switches
4. Mic sensitivity
5. Power mains
6. Sound / auto switch (see dipswitch settings)

Using the preset functions without a DMX controller

Using stand alone settings via dipswitches

Auto / sound mode

Set dipswitch 8 to the on position, then using the sound / auto switch (6) toggle between auto or sound mode

Master / slave

To link several units together using a 3pin DMX lead

Set the first unit as the master

Choose one of the functions from the chart below. i.e. auto mode

Set all other units to slave mode, dipswitch 10 on only.

1=ON 0=OFF X=No function

Function	DIP1	DIP2	DIP3	DIP4	DIP5	DIP6	DIP7	DIP8	DIP9	DIP10	Mode
Red 50%	1	0	0	0	0	0	0	0	0	0	Auto(Master)
Red 100%	1	1	0	0	0	0	0	0	0	0	Auto(Master)
Green 50%	0	0	1	0	0	0	0	0	0	0	Auto(Master)
Green 100%	0	0	1	1	0	0	0	0	0	0	Auto(Master)
Blue 50%	0	0	0	0	1	0	0	0	0	0	Auto(Master)
Blue 100%	0	0	0	0	1	1	0	0	0	0	Auto(Master)
No function	0	0	0	0	0	0	X	0	0	0	No function
Auto/Sound control	0	0	0	0	0	0	0	1	0	0	On/Off/Switch
Fade mode	0	0	0	0	0	0	0	0	1	0	Auto(Master)
With dipswitch 9 on (fade mode) use dipswitch 1-6 to increase fade speed e.g. 9 + 123456 = fast fade											
Master/Slave/DMX	0	0	0	0	0	0	0	0	0	1	Auto(Master)

Setting DMX address

To activate the DMX mode

Dipswitch 10 must be in the on position

Use dipswitch 1-9 to set address requires

Each unit uses 7 DMX channels

If all units are to be controlled exactly the same set all units with the same DMX address

If individual control of each unit is required, set all units with its own DMX address

Remember all DMX addresses must be at least 7 channels apart and no DMX channels should cross

For example, unit 1 set to address 1 unit 2 set to address 8 unit 3 set to 15 and so on.

Please note: to operate DMX CH7 Dimmer must have a value.

DMX Control

Channel	Value	Function
CH1	000-255	Red(0%~100%)
CH2	000-255	Green(0%~100%)
CH3	000-255	Blue(0%~100%)
CH4	000-007	Blackout
	008-015	Red 100% Green 20%
	016-023	Red 100% Green 40%
	024-031	Red 100% Green 60%
	032-039	Red 100% Green 80%
	040-047	Red 100% Green 100%
	048-055	Green 100%
	056-063	Green 100% Blue 20%
	064-071	Green 100% Blue 40%
	072-079	Green 100% Blue 60%
	080-087	Green 100% Blue 80%
	088-095	Green 100% Blue 100%
	096-103	Blue 100%
	104-111	Red 20% Blue 100%
	112-119	Red 40% Blue 100%
	120-127	Red 60% Blue 100%
	128-135	Red 80% Blue 100%
	136-143	Red 100% Blue 100%
	144-151	Red 100% Green 25% Blue 100%
	152-159	Red 100% Green 50% Blue 100%
	160-167	Red 100% Green 75% Blue 100%
	168-175	Red 100% Green 100% Blue 100%
	176-183	Red 100% Green 100% Blue 25%
	184-191	Red 100% Green 100% Blue 50%
	192-199	Red 100% Green 100% Blue 75%
	200-207	Red 100% Green 100% Blue 100%
	208-215	Red 20% Green 100% Blue 100%
	216-223	Red 40% Green 100% Blue 100%
224-231	Red 60% Green 100% Blue 100%	
232-239	Red 80% Green 100% Blue 100%	
240-247	Red 100% Green 100% Blue 100%	
248-255	Red 50% Green 50% Blue 50%	

CH5	000-255	Strobe (0%~100%)
CH6	000-127	No Function
	128-159	Fade mode, control the speed with channel 5
	160-223	Auto mode, control the speed with channel 5
	224-255	Sound mode
CH7	001-255	Dimmer 0-100%

Specifications

Power supply	90-250 V AC, 50 Hz ~ 60 Hz ~
Power consumption	25 W
Current	0.35A
Sound control	via built-in microphone
DMX-512-connection	3-pin XLR
DMX channels	7
Dimensions	205 x 225 x 210mm (WxHxD)
Weight	1 kg
Maximum ambient temperature T	45 °C
Maximum housing temperature T	50 °C
Fuse	F1A, 250V
Number of LEDs	5mm x 151pcs