



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

DERBY GLOW

32 lens derby LED lighting effect

M A N U A L V E R S I O N 2 . 0

08 / 09 / 11

2 x 9w Tri-colour LEDs
Full DMX512 operation / 4 DMX channels
Auto mode / Sound-to-Light operation via built-in mic
Variable mic sensitivity / Master/Slave mode
Fan cooled operation
Adjustable metal hanging bracket
Safety chain loop / Mains fused IEC
Dimensions: 330 x 260 x 330mm (WxHxD)
Weight: 3Kg

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
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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.

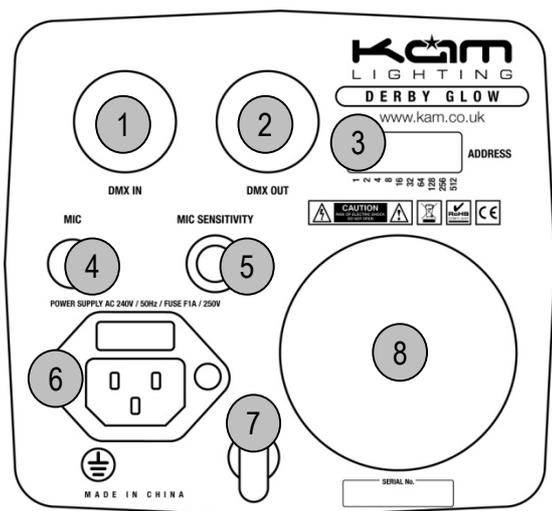
If applicable, only use the stand, tripod or bracket specified or sold with the apparatus.

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. Dipswitches
4. Mic
5. Mic sensitivity
6. Mains input
7. Safety loop
8. Fan

Function	DIP1	DIP2	DIP3	DIP4	DIP5	DIP6	DIP7	DIP8	DIP9	DIP10	Mode
Red	1	0	0	0	0	0	0	0	0	0	Auto (Master)
Green	0	1	0	0	0	0	0	0	0	0	Auto (Master)
Blue	0	0	1	0	0	0	0	0	0	0	Auto (Master)
Strobe-Slow	0	0	0	1	0	0	0	0	0	0	Auto (Master)
Strobe-Medium	0	0	0	0	1	0	0	0	0	0	Auto (Master)
Strobe-Fast	0	0	0	0	0	1	0	0	0	0	Auto (Master)
Colour fade	0	0	0	0	0	0	1	0	0	0	Auto (Master)
Auto program	0	0	0	0	0	0	0	1	0	0	Auto (Master)
Sound activation	0	0	0	0	0	0	0	0	1	0	Sound-control (Master)
Master/Slave	0	0	0	0	0	0	0	0	0	1	Auto (Master)

1=ON

0=OFF

X=Function

Sound Control

In order to select sound activated mode, set dipswitch 9 to the on position and all others to the off position. The unit will now run in sound activated mode. Use the variable sensitivity control (5) on the rear panel to adjust the sound sensitivity. Turn clockwise to increase and anti-clockwise to decrease.

Strobe Mode

When using Strobe Mode, please use the dipswitches to select your colour(s) before selecting the strobe speed.

Master/Slave

To set the first unit to master, select the desired function mode using the dipswitch guide above (example - set dipswitch 8 on for auto mode). Using a 3 pin XLR/DMX cable connect from the DMX output on the first unit (master) to the second unit's (slave) DMX input. Set the dipswitches on the second unit (slave) to dipswitch 10 on and all dipswitches off. All the other slave units must be set in the same way. Only one master unit must be set.

DMX control (via DMX controller)

Set dipswitch 10 to the on position to activate the DMX control

Channel	Value	Function
CH1	000-019	Select CH2 to DMX mode
	020-039	Red
	040-059	Green
	060-079	Blue
	080-099	Blue/Green
	100-119	Red/Blue
	120-139	Green/Red
	140-159	Red/Green/Blue
	160-179	AUTOMATIC (3 colour chase)
	180-255	AUTOMATIC (7 colour chase)
CH2 Channel 1 must be set between 1-19	000-004	Blackout
	005-028	Red
	029-056	Green
	057-084	Blue
	085-112	Blue/Green
	113-140	Red/Blue
	141-168	Green/Red
	169-197	Red/Green/Blue
	198-224	AUTOMATIC (3 colour chase)
	225-255	AUTOMATIC (7 colour chase)
CH3	000-004	No Strobe
	005-255	STROBE (Slow > Fast)
CH4	001-127	Manual Motor Rotation
	128-255	Auto Motor rotation from fast to slow

Specification

Power supply	90-250 V AC, 50 Hz ~ 60 Hz ~
Power consumption	33W
Current	0.28A
Sound control	via built-in microphone
DMX-512-connection	3-pin XLR
Dimensions	330 x 260 x 330mm (WxHxD)
Weight	3 kg
Maximum ambient temperature T	45 °C
Maximum housing temperature T	50 °C
Fuse	F1A, 250V
Channel	4
Number of LEDs	2 x 9W