

Tri-LED Derby 2

16 lens classic derby tri-colour LED lighting effect

M A N U A L V E R S I O N 1 . 0
1 3 . 0 7 . 1 0

RGB lighting effect that produces stunning derby effects
Tri colour power LEDs creating 7 dynamic colours
16 angled glass lenses for dispersion
DMX512 compatible
3 channel assignable
Sound-to-Light operation via built-in mic
Variable mic sensitivity
Fan cooled operation
Tough metal chassis
Safety chain loop
Adjustable hanging bracket
9w LEDs
Mains fused IEC

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

www.kam.co.uk

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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.

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 periodicaly, 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.

OPERATION

Using in standalone mode

Set the unit to sound or auto mode using the dipswitches.

AUTO

Set dipswitch 8 to the on position.

SOUND

Ser dipswitch 9 to the on position.

MASTER / SLAVE

Set one unit only to master dipswitch 8 or 9. Set all slaves to dipswitch 10 on.

Standalone mode using dipswitches

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 change	0	0	0	0	0	0	1	0	0	0	Auto (Master)	
Auto	0	0	0	0	0	0	0	1	0	0	Auto (Master)	
Sound-control	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)	

DMX address

Set dipswitch 10 to the on position to activate DMX mode. Use dipswitches 1-9 to set start address.

Note: to activate channel 2 & 3, channel 1 must have a value of 0-18.

Channel	DMX	Function						
	0-19	Blackout						
	20-39	Red						
	40-59	Green						
	60-79	Blue						
CH1	80-99	Green & Blue						
СП	100-119	Red & Blue						
	120-139	Red & Green						
	140-159	Red / Green & Blue						
	160-179	3 colour chase with rotation						
	180-255	7 colour chase with rotation						
CH2	000-004	Blackout						
	005-028	Red						
	029-057	Green						
	058-084	Blue						

	085-112	Green & Blue						
	113-140	Red & Blue						
	141-168	Red & Green						
	169-197	Red/Green/Blue						
	198-224	3 colour chase						
	225-255	7 colour chase						
CH3	0	Blackout						
	1-255	Strobe slow to fast						
CH4	000-004	Static						
	005-127	Manual rotation movement						
	128-255	Auto movement variations						

Setting the DMX- Starting address	DIP-switch no.	1	2	3	4	5	6	7	8	9
Projector number & channels	DMX-starting address	1	2	4	8	16	32	64	128	256

Using a combination of the dipswitches will allow the required DMX starting address from 1-512. For example, if DMX starting address 24 is required set dipswitches 4 + 5 to the on position, this addesses the values of 16 + 8 together and so on.

Please make sure that you do not have any overlapping channels in order to control each device correctly and independently from any other fixture on the DMX data link. If two, three or more devices are addressed similarly, they will work similarly.

Specifications

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 (LxWxH)	300x 280 x 200 mm					
Weight	2.8Kgs					
Maximum ambient temperature	45					
Maximum housing temperature	50					
Fuse	F1A, 250V					
Channel	3					
Number of LEDs	2 x 9w					