

# KAM

## INSTRUCTION MANUAL

# LED Twizzle

## Single lens RGB LED Lighting effect

M A N U A L V E R S I O N 1 . 0  
1 2 . 0 7 . 1 0

LED with sharp Red, Green and Blue coloured beams  
Wide beam spread covers a large area  
64 LEDs creating dynamic RGB animations  
Long life LEDs  
Plug & Play operation  
Sound-to-Light with built-in programs  
3 channel DMX512 operation  
XLR DMX512 connection  
No fan due to cool LED operating temperature  
Tough metal chassis  
Adjustable hanging bracket  
Safety chain loop  
Mains fused IEC

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

[www.kam.co.uk](http://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.

## OPERATION (Using the dipswitches without a DMX controller)

### Auto mode

Set all dipswitches to the off position, the unit is then in auto mode.

Selecting dipswitch 6 or 6+7 or 6+7+8 to the on position will increase the speed of the auto mode.

There are 5 different programs in auto mode, select program with dipswitch 1-5.

The speed of the program can be adjusted by switching dipswitch 6 or 6+7 or 6+7+8.

### Sound activation

Set dipswitch 9 to the on position.

### Master slave units (Linking units without DMX controller)

Set master unit in desired mode using settings above.

To set slave units set dipswitch 10 on to enable the slave device.

### DMX mode

To activate DMX control set dipswitch 10 to on then use dipswitches 1-9 in binary to set desired DMX start address.

Setting of DMX address in binary as shown below.

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 addresses 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.

Channel	DMX	Function
CH1	000	Blackout
	001-255	Pattern selection
CH2	000	Static
	001-250	Speed from slow to fast
	251-255	Sound activated mode
CH3	000-004	No strobe
	005-255	Strobe from slow to fast

### Specifications

Power supply	230 V AC, 50 Hz ~
Power consumption	23w
Current	0.255A
Sound control	via built-in microphone
Connection	3-pin XLR
Dimensions (LxWxH)	300 x 440 x 125 mm
Weight	2.8Kgs
Maximum ambient temperature	45
Maximum housing temperature	50
Fuse	F1A, 250V
Number of channel	3
Number of LEDs	64