

KAM

INSTRUCTION MANUAL

LED Superflower 1 DMX

Wide angle DMX lighting effect

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Large glass lens for maximum dispersion
Ultra bright red, green, blue and white LEDs
512 DMX compatible

10 point dipswitch selector

Built-in programs and Sound to light operation

Microphone with adjustable sound sensitivity

No fan due to cool LED operating temperature

Metal chassis

Adjustable hanging bracket

Mains fused IEC

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

www.kam.co.uk

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

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

Kam LED Superflower 1 DMX

Wide angle DMX lighting effect

INTRODUCTION

Thank you for purchasing the Kam LED Superflower 1 DMX. To optimise the performance of this product, prior to use, please read these operating instructions carefully to familiarise yourself with the basic operations of this unit.

The Kam LED Superflower 1 DMX is a superb lighting effect that will excite both you and your audiences alike. Please keep these instructions in a safe place for future reference. This unit has been tested in the factory before being shipped to you. There is no assembly required.

WARNINGS

To prevent or reduce the risk of electrical shock or fire, do not expose this unit to high temperature, rain or moisture.

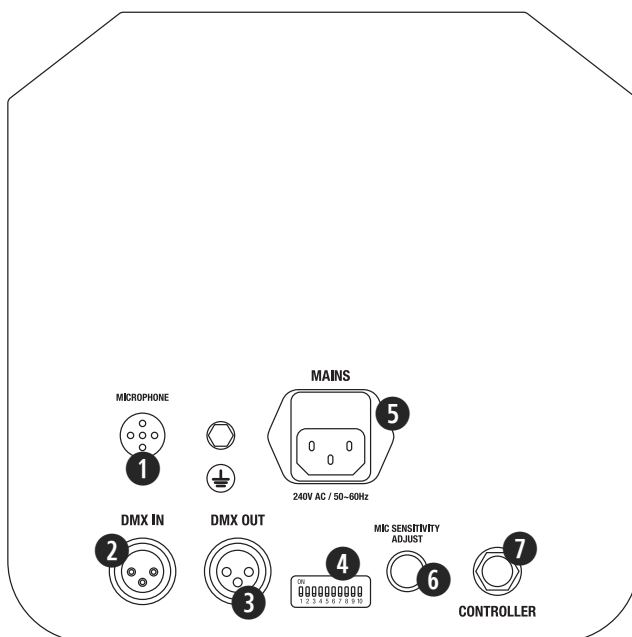
There are no serviceable parts in the unit, please have all servicing and adjustments made by a qualified service engineer. This appliance is to be used by qualified personnel only.

FEATURES

- Large glass lens for maximum dispersion
- Ultra bright red, green, blue and white LEDs
- 512 DMX compatible
- 10 point dipswitch selector
- Built-in programs and sound to light operation
- Microphone with adjustable sound sensitivity
- No fan due to cool LED operating temperature
- Metal chassis
- Adjustable hanging bracket
- Mains fused IEC

UNPACKING YOUR NEW KAM PRODUCT

Carefully inspect your light as you unpack it. If any damage is evident, please notify the supplier you purchased the unit from immediately. For safety reasons do not use the unit if any damage has occurred during transportation.



REAR PANEL FUNCTIONS

1. Microphone pick up
2. DMX input
3. DMX output
4. 10 point dip switches
5. Mains fused IEC power input (240V)
6. Microphone sensitivity adjustment
7. Kam EZ1 controller input

OPERATION

Connect your Kam LED Superflower 1 DMX to the mains supply 240V AC, the unit is now ready to go.

STAND ALONE OPERATION

In stand alone mode you can use the Kam LED Superflower 1 DMX without a controller.

SOUND TO LIGHT OPERATION

To use the unit in sound controlled mode with no controller set DIP switches 1-9 to OFF and DIP switch 10 to ON. The unit features a built-in microphone which provides the sound to light function. You can adjust the sensitivity of the mic with the rotary control on the rear panel.

MASTER / SLAVE OPERATION

The master/slave function enables several units to be synchronized and controlled by one Master unit. On the rear panel you can find XLR male and XLR female sockets, these can be used for connecting several devices.

Choose the unit which is to control the effects, this unit then works as the Master and controls all other Slave units which are connected to it via DMX cables. Connect an XLR cable to the DMX out of the Master unit to the DMX IN socket of the slave unit. Continue linking other units in the same way, linking the DMX OUT of the last connected unit to the DMX IN of the next unit. Set all DIP switches to OFF in order to determine the Master unit. Set DIP switches 1 and 10 to ON in order to determine the slave devices.

DMX CONTROL OPERATION

You can control the LEDs individually via a DMX controller. Every DMX channel has a different occupation with different features. For DMX controlled operation set DIP switch 10 to ON.

Building a serial DMX chain

Connect the DMX output of the first unit in the chain to the DMX input of the next unit using an XLR cable. Always connect one output with the input of the next unit until all units are connected.

DMX addressing

Each device occupies 3 channels. To ensure that the control signals are properly directed to each device, the unit requires addressing. This has to be adjusted for every single unit by changing the DIP switches as set out in the table below. The starting address is defined as the first channel from which the device will respond to the controller. Please make sure that you do not have any overlapping channels in order to control each unit correctly and independently from the other units in the DMX data link.

DMX control

After having addressed all the units, you may now start operating them via your DMX controller.

DIP switch number	1	2	3	4	5	6	7	8	9
DMX starting address	1	2	4	8	16	32	64	128	256
Unit 1 - channels 1-3	ON	▲							
	OFF		▼	▼	▼	▼	▼	▼	▼
Unit 2 - channels 4-6	ON			▲					
	OFF	▼	▼		▼	▼	▼	▼	▼
Unit 3 - channels 7-9	ON	▲	▲	▲					
	OFF				▼	▼	▼	▼	▼
Unit 4 - channels 10-12	ON		▲		▲				
	OFF	▼		▼		▼	▼	▼	▼
Unit 5 - channels 13-15	ON	▲		▲	▲				
	OFF		▼			▼	▼	▼	▼

CHANNEL	DMX512 VALUE	DESCRIPTION
Channel 1		LED groups / colours selection
Channel 2		Strobe
	000 - 005	Off
	006 - 255	Flash with increasing speed
Channel 3		Built-in programs, auto mode, sound to light mode
	000 - 005	No function
	006 - 025	Program 1
	026 - 045	Program 2
	046 - 065	Program 3
	066 - 085	Program 4
	086 - 105	Program 5
	106 - 125	Program 6
	126 - 145	Program 7
	146 - 165	Program 8
	166 - 185	Program 9
	186 - 205	Program 10
	206 - 225	Program 11
	226 - 250	Auto mode - built-in programs
	251 - 255	Sound to light mode

OPTIONAL EZ1 MINI CONTROLLER

A three button mini controller is available to simply control your lighting effects. Visit www.kam.co.uk to find out which Kam lighting product are compatible. The Kam EZ1 mini controller has three functions: Button 1 selects the blackout function. Button 2 selects the built-in programs / hold to strobe. Button 3 selects the speed mode (fast, mid and slow). When the LED indicator flashes, it is in Fast mode, when the LED indicator is permanently on it is in Mid mode and when the LED indicator stays off, it is in Slow mode.

CLEANING AND MAINTENANCE

We recommend frequent cleaning of the unit. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents! There are no serviceable parts inside the device except for the fuse. Maintenance and service operations are only to be carried out by authorized dealers. Replacing the fuse: only replace the fuse by a fuse of same type and rating. Before replacing the fuse, unplug mains lead.

Procedure: Step 1: take out the fuse holder under the power supply / Step 2: remove the old fuse from the fuse holder. Step 3: install the new fuse in the fuse holder. Step 4: replace the fuse holder in the housing. If the power supply cable of this device becomes damaged, it has to be replaced by authorized dealers only.

TECHNICAL SPECIFICATIONS

5mm LEDs:	36 x green / 36 x blue / 48 x red / 36 x white
Power supply:	220-250V AC, 50-60Hz
Power consumption:	20W
DMX channels:	3
DMX-512 connection:	3 pin XLR
Sound to light:	Via built-in microphone
Max ambient temperature:	Ta 45°C
Max housing temperature:	TB (steady state) 60°C
Min distance from flammable surfaces:	0.50m
Min distance to lighted object:	0.10m
Fuse:	F 1A / 250V
Weight:	3Kg