Kam

INSTRUCTION MANUAL

DUOTRIX GLOW
2 lens moonflower LED lighting effect

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

08 / 09 / 11

98 x 5mm RGBW LEDs
40 x red, 32 x green, 16 x blue, 10 x white LEDs
Full DMX512 operation / 3 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 320mm (WxHxD)
Weight: 2.9Kg

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

www.kam.co.uk

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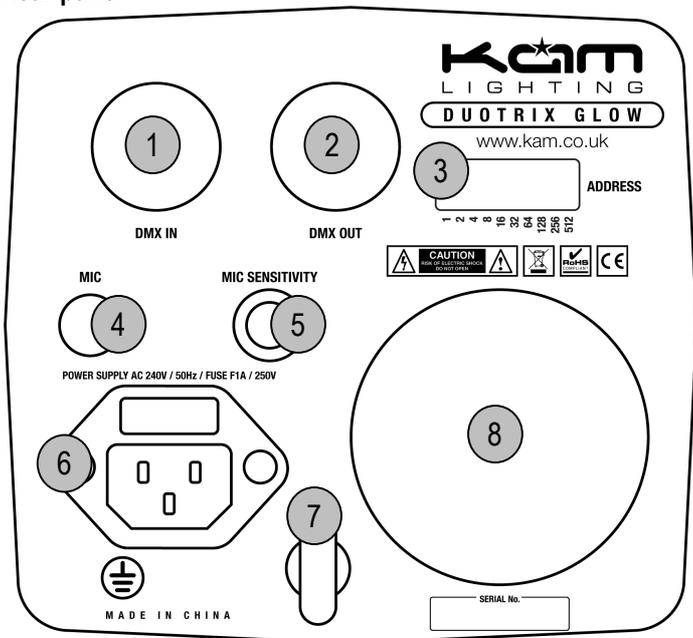
If applicable, only use the stand, tripod or bracket specified or sold with the apparatus.

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 41ºF / 5ºC or exceeding 95ºF / 35ºC).

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

Using the Kam Duotrix Glow without a DMX controller via the dipswitches on the rear panel. Follow the grid below to access the built-in functions and settings.

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)
white	0	0	0	1	0	0	0	0	0	0	Auto (Master)
Strobe-slow	0	0	0	0	1	0	0	0	0	0	Auto (Master)
Strobe-med	0	0	0	0	0	1	0	0	0	0	Auto (Master)
Strobe-fast alternate	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 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)

1=ON   0=OFF   X=Function

Auto Mode
In order to select Auto mode, set dipswitch 8 to the on position and all the others to the off position. The unit will now run in auto mode.

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

Sound Control
In order to select sound activated mode, set dipswitch 9 to the on position and all the 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 anticlockwise to decrease.

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 dipswitch10 on the second unit (slave) to the on position. All 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 DMX control.

Channel	Value	Function
CH1	000-012	Black out
	013-025	Red
	026-038	Green
	039-051	Blue
	052-064	White
	065-077	Green/Red
	078-090	Blue/Red
	091-103	White/Red
	104-116	Green/Blue
	117-129	White/Green
	130-142	White/Blue
	143-155	White/Green/Blue
	156-168	White/Blue/Red
	169-181	White/Green/Red
	182-194	Red/Green/Blue
	195-207	Red/Green/Blue/White
	208-220	Auto left/right use ch2 for speed
	221-233	Auto from both use ch2 for speed
	234-255	Auto program use ch2 for speed
CH2	000-002	Fast
	003-255	Speed from fast to slow
CH3	000-255	Strobe (Slow > Fast)

Specifications

Power supply	90-250 V AC, 50 Hz ~ 60 Hz ~
Power consumption	13 W
Current	0.28A
Sound control	via built-in microphone
DMX-512-connection	3-pin XLR
Dimensions	330 x 260 x 320mm (WxHxD)
Weight	2.9 kg
Maximum ambient temperature T	45℃
Maximum housing temperature T	50℃
Fuse	F0.5A, 250V
Channel	3
Number of LEDs	5mm x 98pcs