Kam

INSTRUCTION MANUAL

LED Quadtrix
4 lens multi-beam scanning LED lighting effect

MANUAL VERSION 4.0

256 ultra bright LEDs
96 x red / 96 x green / 64 x blue LEDs
Auto, Sound-to-Light, DMX512 & Master/Slave modes
10 channel DMX512 operation
XLR DMX in and out
Pre-programmed moving patterns in Auto mode
Attractive moulded design
Low power consumption
Adjustable hanging bracket

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

www.kam.co.uk

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 product, we hope that it serves 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.

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 this unit to high temperature and rain or moisture.

Unpacking
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.

Safety
This unit operates on 240V AC. This appliance must be earthed.
This product is for indoor use only, do not expose to rain or moisture. Always store unit in a dry place.
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 unit must not be connected to dimming-packs.
Never look directly into any light source as this may damage eyes.
There are no user serviceable parts in this unit, please consult your retailer for any repair work.

Operation
To prolong the life of your unit it is recommended that the unit is not for constant us. Leaving a break between long periods of use will increase the life span of your unit.
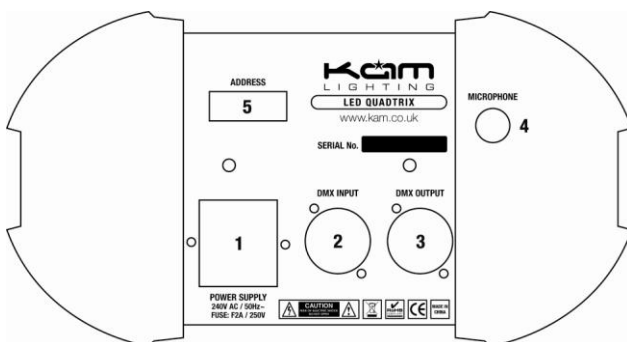
When choosing the installation position, please make sure that the device is not exposed to extreme temperature, moisture, and that no air ways are blocked, keep a good distance from materials etc.

When using smoke machines/foggers, make sure that the device is never exposed to the direct smoke jet and is installed at distance of 0.5 meters away from other surfaces. Always fix the fixture with an appropriate safety-chain. The maximum ambient temperature Ta = 45°C must never be exceeded.

Installation / Overhead rigging
Caution: any units installed in an overhead position may cause severe injuries if not installed correctly or safely. Please ensure the mounting structure is secure and stable, and is capable of holding 10 times the weight of the unit to be installed. Always use suitable hanging/mounting brackets or clamps. Always fit a suitable safety chain. If in any doubt about installation please contact a qualified technician.

Rear panel

1. **Fused mains inlet**
2. **DMX input**
3. **DMX output**
4. **Microphone**
5. **DMX address switches**

Dip switch functions

Function:	DIP1	DIP2	DIP3	DIP4	DIP5	DIP6	DIP7	DIP8	DIP9	DIP10	DIP11	DIP12	Mode:
Single LED move from left to right and up to down	1	0	0	0	0	0	0	0	0	1	X	0	Auto(Master)
Single row LED move from up to down	0	1	0	0	0	0	0	0	0	1	X	0	Auto(Master)
Single row LED move from left to right	0	0	1	0	0	0	0	0	0	1	X	0	Auto(Master)
LED move from up to down and lift to right	0	0	0	1	0	0	0	0	0	1	X	0	Auto(Master)
LED flash and move from up to down and lift to right	0	0	0	0	1	0	0	0	0	1	X	0	Auto(Master)
LED1.2.3.4 eye light bounce-Slow	0	0	0	0	0	0	0	0	0	1	X	0	Auto(Master)
LED1.2.3.4 eye light bounce-Medium	0	0	0	0	0	0	1	0	0	1	X	0	Auto(Master)
LED1.2.3.4eye light bounce-Fast	0	0	0	0	0	0	0	1	0	1	X	0	Auto(Master)
Strobe	0	0	0	0	0	0	0	0	1	1	X	0	Auto(Master)
Auto program	0	0	0	0	0	0	0	0	0	0	X	0	Auto(Master)
Sound Control	0	0	0	0	0	0	0	0	0	0	X	1	Sound-control(Master)

1 = ON / 0 = OFF / X = Function

Auto Mode
In order to select Auto mode, set DIP switch 0 to 12 to OFF.

Sound Control
In order to select Sound Controlled Mode, set DIP switch 12 to ON and DIP switch 1 to 10 to OFF.

Master/Slave   no controller

MASTER select Sound Controlled Mode, set dips switch 12 to the on position and all other dipswitches off. Or if a preset program is requires set the dipswitches on the master for the program you require
SLAVE set dip switch 1 to the on position only, all other dipswitches to off. The slave will act as the master unit.

DMX settings
DMX controller
Each unit uses 10 DMX channels
Each unit will need a dmx start address, using dipswitches 1-10 set the desired DMX start address
If all units are to be controlled at the same time with the same effect, set all units with the same DMX start address

If individual control of each unit is required then all units will need to be assigned their own unique DMX start address, make sure all units are set at least 12 channels apart, and that no DMX channels overlap

Example set unit 1 to DMX start address1 set unit 2 to DMX start address 13. Add 12 channels each time

DMX Channels

Channel	Value	Function
CH1	0-14	Black out
	15-19	Red
	20-24	Green
	25-29	Blue
	30-34	Red/Green/Blue
	35-39	Red/blue
	40-44	Green/Blue
	45-49	Red/Green/Blue
	50-99	DMX control
	100-255	Select the automatic program
To use CH 2-10 set the DMX value of CH1 to between 50-99		
CH2	0-255	Select the automatic program
CH3	0-255	Speed from fast to slow
CH4	0-255	Up to down,slow to fast
CH5	0-255	Left to right,slow to fast
CH6	0-255	Inside to outside,slow to fast
CH7	0-255	Up to down, left to right, inside to outside,slow to fast
CH8	0-255	Strobe from Slow to fast
CH9	0-14	All bright
	15-255	Dimmer
CH10	0-63	4 LED lenses illuminated
	64-127	3 LED lenses illuminated
	128-190	2 LED lenses illuminated
	191-255	1 LED lenS illuminated
CH11	0-255	No function
CH12	0-255	Sound activation

Technical specifications
Sound control: via built-in microphone
DMX-512-connection: 3-pin XLR
Maximum ambient temperature T: 45
Maximum housing temperature T: 50
Fuse: F 2A, 250V
DMX channels: 10
Number of LEDs: 256