# Kam

## INSTRUCTION MANUAL

# HEXATRIX GLOW
## 6 lens multi-beam scanning LED lighting effect

MANUAL VERSION 1.0
07 / 07 / 11

192 x 5mm RGB LEDs
72 x red, 72 x green, 48 x blue LEDs
Full DMX512 operation / 10 DMX channels
Auto mode / Sound-to-Light operation via built-in mic
Variable mic sensitivity / Master/Slave mode
Adjustable metal hanging bracket
Safety chain loop / Mains fused IEC
Dimensions: 410 x 170 x 320mm (WxHxD)
Weight: 2Kg

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.

| Function | DIP 1 | DIP 2 | DIP 3 | DIP 4 | DIP 5 | DIP 6 | DIP 7 | DIP 8 | DIP 9 | DIP 10 | DIP 11 | DIP 12 | 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 left 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 left 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 dipswitches 0 to 12 to the OFF position.

**Sound Control**
In order to select Sound Controlled Mode, set dipswitch 12 to the ON position and dipswitches 1 to 11 to the OFF position.

**Master/Slave**
To set the first unit to master, select the desired function mode using the dipswitch guide above (example, set the dipswitch 12 on for sound controlled 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 dipswitch 1 on the second unit (slave) into the on position. All other slave units must be set in the same way. Only one master unit must be set.

**DMX Control**

| Channel | Value | Function |
|---|---|---|
| CH1 | 0-14 | Blackout |
| | 15-19 | Red |
| | 20-24 | Green |
| | 25-29 | Blue |
| | 30-34 | Red/Green |
| | 35-39 | Red/Blue |
| | 40-44 | Green/Blue |
| | 45-49 | Red/Green/Blue |
| | 100-255 | Select the automatic program |
| CH2 | Set the DMX value of Channel 1 to more than 50 | |
| | 0-255 | Select the automatic program |
| CH3 | 0-255 | Speed from fast to slow |
| CH4 | Set the DMX value of Channel 1 between 50-99 | |
| | 0-255 | Up to down, slow to fast |
| CH5 | Set the DMX value of Channel 1 between 50-99 | |
| | 0-255 | Left to right, slow to fast |
| CH6 | Set the DMX value of Channel 1 between 50-99 | |
| | 0-255 | Inside to outside, slow to fast |
| CH7 | Set the DMX value of Channel 1 between 50-99 | |
| | 0-255 | Up to down, left to right, inside to outside, slow to fast |
| CH8 | 0-255 | Strobe from Slow to fast |
| CH9 | Set the DMX value of Channel 1 between 15-99 | |
| | 0-14 | All bright |
| | 15-255 | Dimmer |
| CH10 | Set the DMX value of Channel 1 between 15-99 | |
| | 0-127 | 6 LED lenses illuminated |
| | 128-190 | 4 LED lenses illuminated |
| | 191-255 | 2 LED lenses are not illuminated |

**Specifications**

| | |
|---|---|
| Power supply | 90-250 V AC, 50 Hz ~ 60 Hz ~ |
| Power consumption | 20W |
| Current | 0.2A |
| Sound control | via built-in microphone |
| DMX-512-connection | 3-pin XLR |
| Dimensions | 410 x 170 x 320mm (WxHxD) |
| Weight | 2 kg |
| Maximum ambient temperature  T | 45℃ |
| Maximum housing temperature T | 50℃ |
| Fuse | F0.5A, 250V |
| Channel | 10 |
| Number of LEDs | 5mm x 192pcs |