KAM

INSTRUCTION MANUAL

LED UV192 Panel
UV LED panel for use as a flood or black light

M A N U A L   V E R S I O N   2 . 0
20 / 12 / 10

192 bright UV LEDs
3 channel DMX512 operation
Sound-to-Light, Auto & DMX modes
Adjustable sound sensitivity
DMX512 compatible / XLR connection
Strobe type effect
Stand-alone with master/slave mode
Robust protective housing
Adjustable metal hanging bracket
Dimensions: 385 x 235 x 100mm (WxHxD)

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

www.kam.co.uk

Thank you for purchasing this 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.

Panel
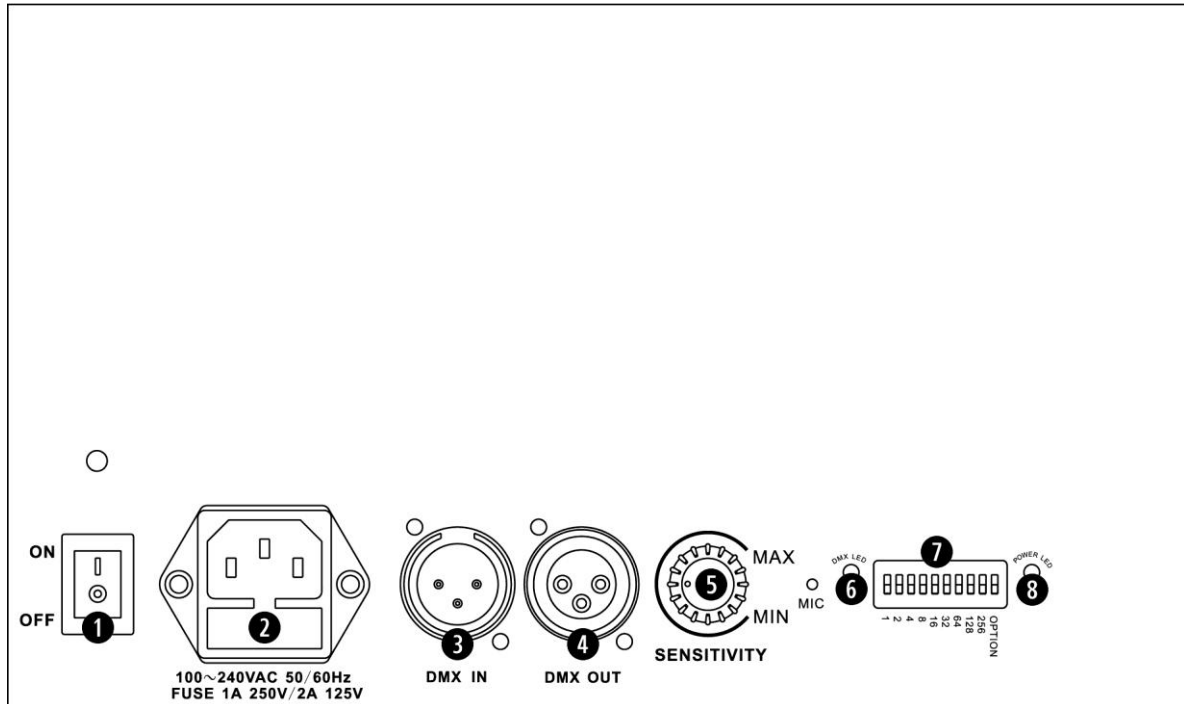
1. Switch on/off
2. Fused IEC power socket
3. DMX in
4. DMX out
5. Sound sensitivity control
6. DMX LED
7. Dipswitches
8. Power LED

Installation
When mounting the unit onto a truss or overhead rigging, ensure that a suitable mounting clamp is used and also secure unit with safety chain. The angle of the unit can be adjusted by loosening the 2 thumb screws and tilting the unit to the required position, tighten thumb screws to hold the selected position.

Multi-connectors methods
Several units can be linked together in DMX mode or master slave mode using a standard 3 pin DMX cable (not supplied).
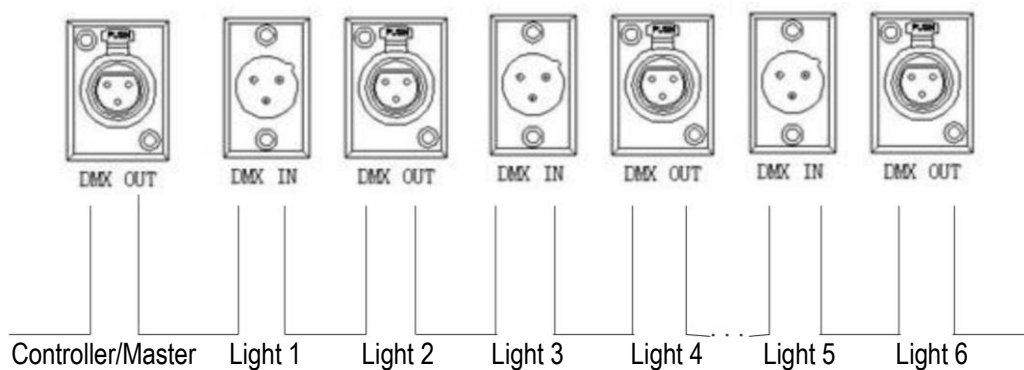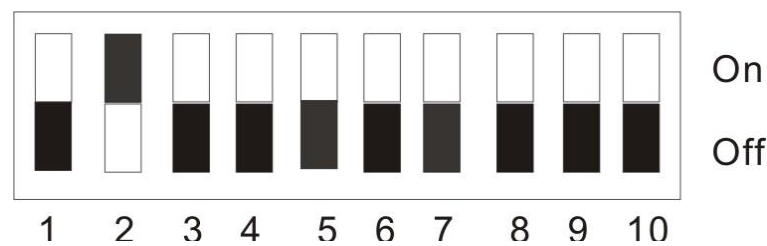
DMX cable wiring configuration

Pin1=Gnd
Pin2=Dmx−
Pin3=Dmx+
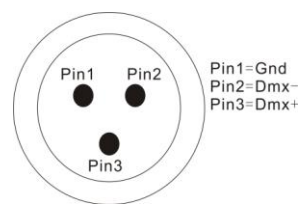
OPERATION
Manual stand alone mode using dip switches

Ch2 shows the on position

Dipswitch	Function
All off	Full brightness with sound to light
To operate dipswitches 1-7 functions, dipswitch 9 must be switched on	
Dipswitches 1+9	Slow program
Dipswitches 2+9	Faster program
Dipswitches 3+9	Faster program
Dipswitches 4+9	Fastest program
Dipswitches 5+9	Slowest strobe
Dipswitches 6+9	Faster strobe
Dipswitches 7+9	Fastest strobe
Dipswitch 8	Full flood
Dipswitch 9	Auto mode unit runs through auto programs
Dipswitch 10	Activates DMX mode

DMX mode introduction
The UV panel uses 3 DMX channels

Setting DMX mode
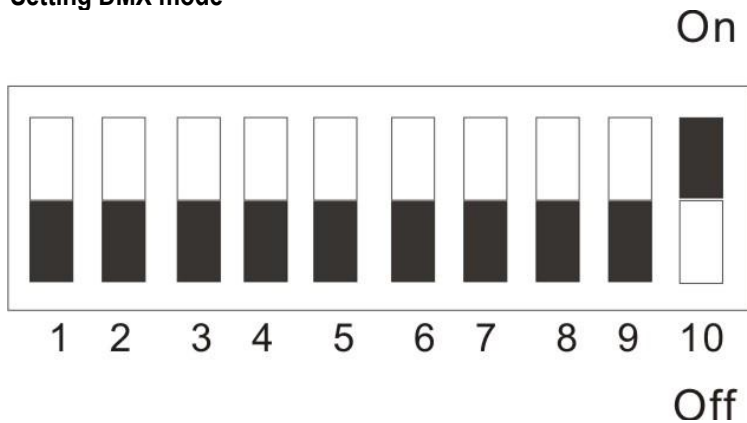
To activate the DMX mode dipswitch 10 must be in the on position, then use dipswitch 1-9 to set DMX address

DMX function
- When DMX signal is present the blue LED will flash.
- Each fixture occupies 3 DMX channels.
- DMX 512 signal can control multi fixtures
- If all units have same DMX address they will all work in sync
- If each unit has individual address then they can each be controlled separately

Channel	Value	Function	
1	000	Note: when value 25-225 ch5 changes speed of the auto program	Black out
	001 - 029		DMX control
	030 - 059		Prog 1
	060 - 089		Prog 2
	090 - 119		Prog 3
	120 - 149		Prog 4
	150 - 179		Prog 5
	180 - 209		Prog 6
	210 - 239		Prog 7
	240 - 255		Sound mode
2	000 - 255	Strobe / speed	Slow to fast From value 30 on ch1 this fader adjusts program speed
3	000 - 255	dimmer	100-0% 255 = blackout

Master/ slave mode
When linking the units together with no controller one unit must be set as the master unit, all others to slave units.
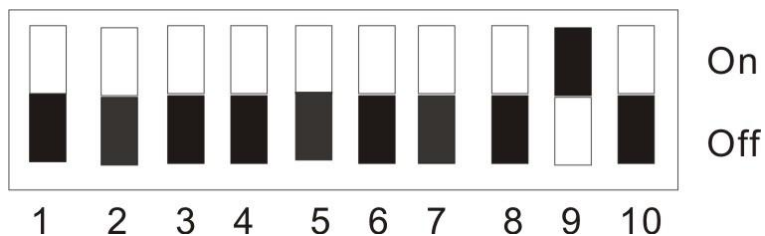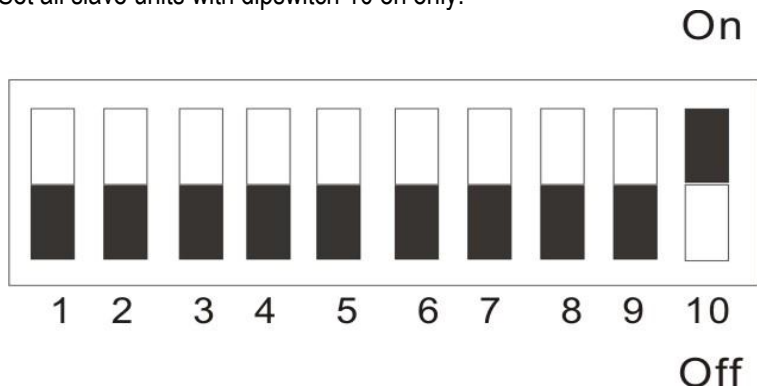To set master:

Sound active mode
All switches are Off.

On

Off

1 2 3 4 5 6 7 8 9 10
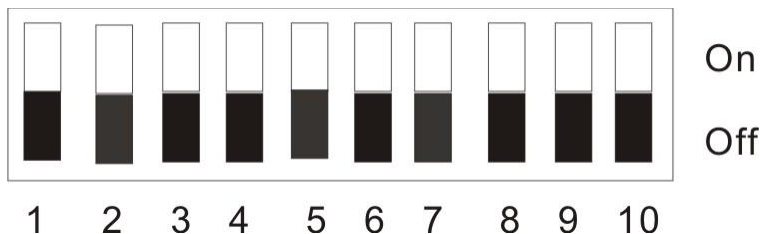
Auto mode
Dipswitch 9 + desired effect see above chart.

On

Off

1 2 3 4 5 6 7 8 9 10

Slave mode
Set all slave units with dipswitch 10 on only.

On

1 2 3 4 5 6 7 8 9 10

Off

Technical specification

LED colour & number	192 UV LEDs
Beam angle	45°
Data input	3 pin XLR male socket
Data output	3 pin XLR female socket
Data pin configuration	pin 1 shield, pin 2(-),pin3 (+)
Protocols	Full DMX512
DMX channels	3
Surrounding temperature	35°C
Input power	100~240V AC / 50/60Hz
Power	25W
Dimension	385 x 235 x 100mm (WxHxD)
Weight	3kg