

KAM

I N S T R U C T I O N M A N U A L

Kam FloodBank1

Professional colour wash uplighting and effects

M A N U A L V E R S I O N 1 . 0
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For the latest instruction manual updates and information on the entire Kam range visit:

www.kam.co.uk

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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.

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Thank you for purchasing this Kam product, we are sure that it will serve you for many years to come.

To optimise its performance, please read these instructions carefully to familiarise yourself with the basic operations of the unit. 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.

The unit is powered by the mains, 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 periodically, 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 requirements of the unit.

The lightning flash symbol inside a triangle is 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. Please read and pay attention to all laser safety warning sticker labels on the unit.

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 41°F / 5°C or exceeding 95°F / 35°C).

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 cleaning of the unit.

Manufacturer declarations



In compliance with the following requirements: **RoHS Directive (2002/95/EU)** and **WEEE Directive (2002/96/EU)**. If this product is ever no longer functional please take it to a recycling plant for environmentally friendly disposal.

CE declaration of conformity

R&TTE Directive (1999/5/EU), EMC Directive (2004/108/EU), Low Voltage Directive (2006/95/EU).

The declarations are available on application from certification@lambapl.com

Before putting the devices into operation, please observe the respective country-specific regulations.

Overhead rigging

Important - the installation must be carried out by qualified service personal only. Improper installation can result in serious injuries and /or damage to property. Overhead rigging required extensive experience. Working load limits should be respected, certified installation materials should be used, the installed unit should be inspected regularly for safety.

- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- Locate the unit in a well ventilated spot, far away from any flammable materials and/or liquids. The fixture must be fixed **at least 50cm** from surrounding walls
- The device should be installed out of reach of people and outside of areas where persons may walk by or be seated.
- Before rigging make sure that the installation area can hold minimum point load of 10 times the device's weight.
- The device should be well fixed; a free swinging mounting is dangerous.
- Do not cover any ventilation opening as this may result in overheating

Before first time use, the unit should be inspected for safety. Inspection the unit regularly every year.

Packing list


Lighting unit and power cable

Instruction manual

Warranty

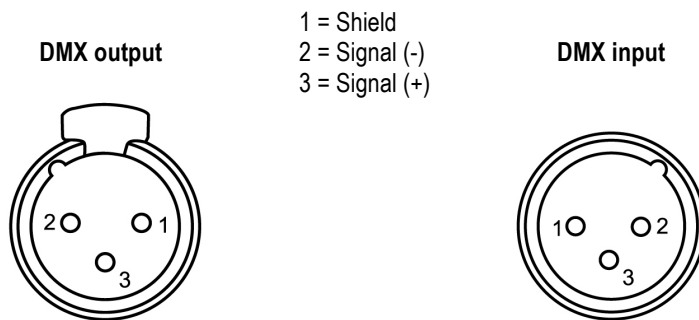
AC power

The unit is supplied with a power plug appropriate to its voltage. Should any other connections be required they must be carried out with the following configuration:

Cable (EU)	Cable (US)	Pin	International
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/green	Green	Earth	

DMX-512 connection

If you are using a standard DMX controller, you can connect the DMX output of the controller directly to the DMX input of the first unit in a DMX chain. If you wish to connect a DMX controller with other XLR outputs you will need to use adapter cables.



Connect the DMX output of the first unit in a DMX chain with the DMX input of the next unit in the chain. Always connect the output of one unit with the input of the next unit until all units are connected.

Rear panel features



Number	Feature	Function
1	Power supply input	Attach the mains cable here. Built-in fuse.
2	Mic	Microphone for Sound-to-Light operation.
3	Display/Function buttons	LED display and menu buttons to control the operating mode of the unit.
4	DMX output	3 pin XLR connector for DMX512 output communication.
5	DMX input	3 pin XLR connector for DMX512 input communication.

Function setting

Using the four function buttons on the rear of the unit you can set the operating mode of the unit. Press the **Menu** button to display the different functions (see table below for a description of the functions). Use the **Up** or **Down** arrow buttons to make your selection. When you have chosen your desired function, press the **Enter** button to confirm the change.

Menu display	Function
D001	DMX address setting. This is changed using the Up or Down arrow buttons (1-512).
A1.XX	Auto mode 1 - fast colour changing / speed (00-99)
A2.XX	Auto mode 2 - gradual colour changing / speed (00-99)
Soud	Sound mode – Sound-to-Light operation
R000	Red dimming (000-255)
G000	Green dimming (000-255)
B000	Blue dimming (000-255)
F000	Strobing speed (000-255)
T.xxx	Unit temperature

DMX address setting - When controlling the unit (or units) with a DMX controller, each one must be set with a specific DMX address. You can choose to set all units with the same DMX address or you can set every unit with its own DMX address. If all units are set with the same DMX address all units will be synchronised and operate in the same way.

If you set each unit with a different DMX address, they will receive the DMX signal from their own DMX address. You will now be able to control each unit individually. The DMX address that you set for each unit must be determined by the number of channels. This unit has 6 DMX channels, therefore you should set the starting address of the first unit to 1, the second unit must then be set to 7 (1+6), the third to 13 (7+6), the fourth to 19 (13+6), the fifth to 25 (19+6) and the sixth unit should be set to 31 (25+6).

DMX channel	Value	Function
CH1	0-1	Off
	2-255	Red dimmer 0-100%
CH2	0-1	Off
	2-255	Green dimmer 0-100%
CH3	0-1	Off
	2-255	Blue dimmer 0-100%
CH4	0-31	Off
	32-255	Master dimmer 0-100%
CH5	0-9	Off
	10-255	Strobe speed from slow to fast
CH6	0-31	DMX512 mode
	32-63	Sound mode
	64-159	Auto mode 1 from slow to fast
	160-255	Auto mode 2 from slow to fast

Master/Slave operation - Connect the units in a Master/Slave chain via 3 pin DMX cables:

1. Connect the DMX output of the Master unit to the DMX input of the first Slave unit.
2. Next connect another DMX cable from the first Slave unit DMX output to the second Slave unit DMX input.
3. Continue in this fashion until all units are connected.
4. Set the Master unit to one of the following modes: **Auto 1**, **Auto 2** or **Sound**. Set all Slave units address to **D001**.
5. All Slave units will now follow the operation of the Master unit.

Product specification

Mains power / rated power	AC100~240V, 50/60Hz / 35w
Control modes	6 channel DMX512 / Auto / Sound-to-Light / Master/Slave
Beam angle	75°
Light source	132 x 0.2w high power red/green/blue tri-LEDs
Operating temperature	-25°C to 40°C
DMX512 connections	3 pins XLR male/female
Dimensions (WxDxH)	310 x 70 x 73.5mm (not including bracket)
Nett weight	1.2Kg

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