

# KAM

INSTRUCTION MANUAL

## PowerGlide

Multicolour sweeping beam 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](http://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](mailto:certification@lambapl.com)

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

#### 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

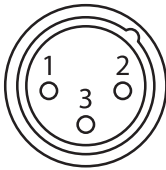
If you are using a standard DMX controller, you can connect the DMX output of the controller directly to the DMX input of the first unit in a DMX chain. If you wish to connect a DMX controller with other XLR outputs you will need to use adapter cables.

### DMX OUT



XLR female

### DMX IN



XLR male

1 = ground 2 = minus signal (-) 3 = plus signal (+)

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 the output of one unit with the input of the next unit until all units are connected. If you use a controller with 5 pin DMX connection you will need to use a 5 pin to 3 pin adapter.

### 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.

### Quick Start Guide

After connecting your unit to the mains, use the Control menu on the side panel of the unit to set the operating mode.

Use the MENU button to make a function selection, then press ENTER to confirm it. Next use the UP and DOWN arrow buttons to refine your selection, then use the ENTER button to confirm your setting.

### Running the unit in Auto Show mode

Use the side panel Control menu to find and select the **Show** mode and the ENTER button to confirm.

Use the UP and DOWN arrow buttons to select your chosen show (**Show - Show**) and then press ENTER to confirm your choice.

You can set the speed of the show using the UP and DOWN arrow buttons (**SP 1-SP9**).

Press the MENU button again to return to the main menu.

### Running the unit in Sound-to-Light mode

Use the side panel Control menu to find and select the **Sound** mode then the ENTER button to confirm. Next choose **ON** or **OFF** then the ENTER button to confirm. If you have chosen ON, the unit will now respond to music via the built-in microphone.

To adjust the sensitivity of the microphone, choose **SENS**, then the ENTER button to confirm. Use the UP and DOWN arrow buttons to set the sensitivity value from 0 to 100, then press the ENTER button to confirm your choice.

### Running the unit in DMX mode

If you intend to control the unit via DMX, you will need to set the DMX address correctly. Choose **Addr** then ENTER to confirm.

Use the UP and DOWN arrow buttons to set the address number and then press ENTER to confirm your choice.

The unit can run in different channel modes. Choose **Chan** then ENTER to confirm. Use the UP and DOWN arrow buttons to choose between 1, 6, 8, 12 or 18 channel modes and then press ENTER to confirm your choice. Press the MENU button again to return to the main menu.

### Running the unit in Master/Slave mode

Connect multiple units with DMX cables running from the DMX Output from one unit into the DMX Input of the next unit in the chain. Set the first unit in the chain as the Master unit and set all others to Slave mode. The Slaves will then follow the Master.

To set up in Master/Slave mode, use the side panel Control menu to select **SLAVE** then **MASTER** on the first (Master) unit.

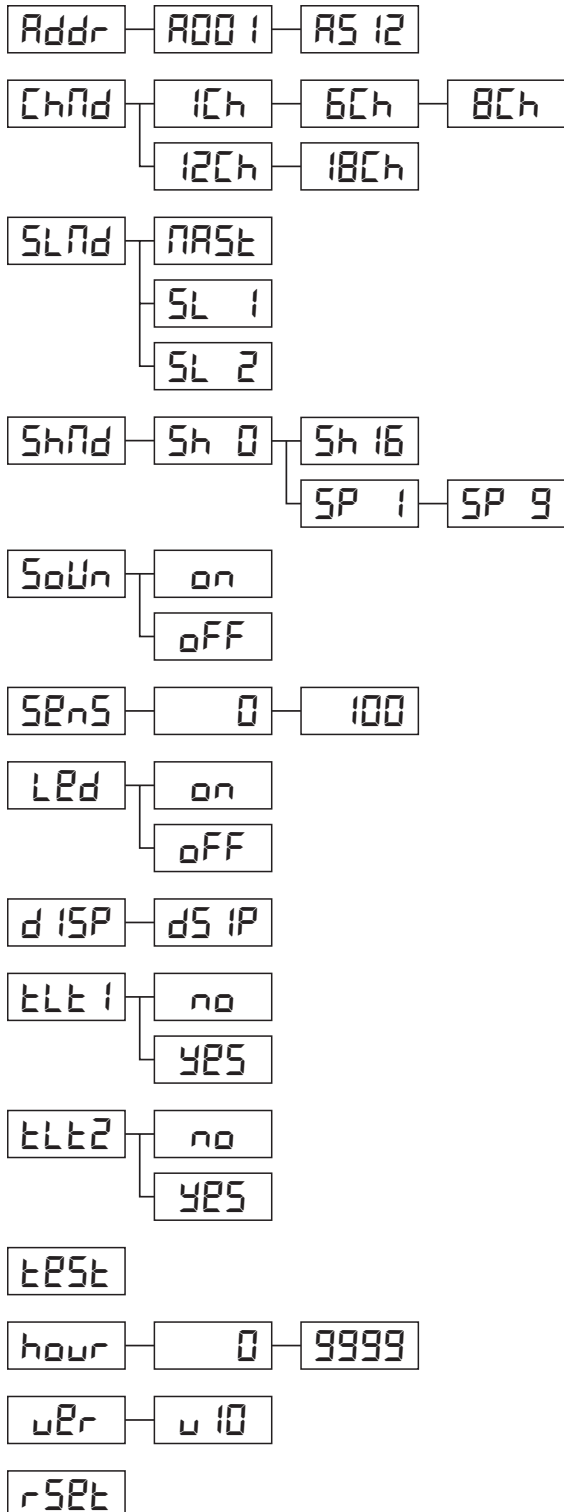
Then select **Show** and choose a Show (**Show - Show**) then press ENTER to confirm your choice.

On all other units, select **SLAVE** then choose **SL 1** or **SL 2**. then press ENTER to confirm your choice.

**SL 1** is normal Slave mode where all units follow the Master unit's operation. Use the **SL 2** setting if you are only using two units as this mode will make the Slave unit mirror the Master unit and create a better show.

Rear panel Control LED display

**CONTROL**



Display	Function
<b>Addr</b>	Set the DMX address for the unit. Use the Up and Down buttons to set.
<b>ChNd</b>	Set the DMX channel mode. Choose from 1, 6, 8, 12 or 18 channels.
<b>SLNd</b>	Set the unit to Master/Slave mode. Choose Master, Slave 1 or Slave 2.
<b>ShNd</b>	Set the unit to Show mode. Set the pre-programmed show (from 01-16).
<b>SP 1 - SP 9</b>	Sets the speed of the show. Speed setting from 1-9.
<b>SoUn</b>	Set the unit to Sound-to-Light mode. Choose either On or Off.
<b>SEns</b>	Set the microphone sensitivity. Choose from 0(low) to 100(high) sensitivity.
<b>LEd</b>	Set the Control LED display to turn off automatically (OFF) or remain on (ON).
<b>dISP</b>	Rotate the Control LED display 180°. Use when unit is mounted upside down.
<b>tLt 1</b>	Set the first row Y axis position. Set the first row Y axis reverse position.
<b>tLt 2</b>	Set the second row Y axis position. Set the second row Y axis reverse position.
<b>tPSt</b>	Set the unit to run through a series of auto self tests.
<b>hour</b>	Unit runtime.
<b>vEr</b>	Software version.
<b>rSEt</b>	Resets the unit.

**1 channel DMX operation** (choose R00 f address)

Channel	Value	Function
CH1 (008-255 can also be used with Sound-to-Light)	000-007	No Function
	008-022	Show 01
	023-037	Show 02
	038-052	Show 03
	053-067	Show 04
	068-082	Show 05
	083-097	Show 06
	098-112	Show 07
	113-127	Show 08
	128-142	Show 09
	143-157	Show 10
	158-172	Show 11
	173-187	Show 12
	188-202	Show 13
	203-217	Show 14
	218-232	Show 15
233-247	Show 16	
248-255	Sound-to-Light mode	

**12 channel DMX operation**

Channel	Value	Function
1	000-255	The first line. Y position
2	000-255	The second line. Y position
3	000-255	Full dimmer, 0-100%
4	000-255	Strobe, slow to fast
5	000-255	Colour 1
6	000-255	Colour 2
7	000-255	Colour 3
8	000-255	Colour 4
9	000-255	Colour 5
10	000-255	Colour 6
11	000-255	Colour 7
12	000-255	Colour 8

6 / 8 / 18 channel DMX operation

6 channel	8 channel	18 channel	Value	Function		
1	1	1	000-255	Tilt 1 0 ~ 270 degrees		
		2	000-255	Tilt 1 Driver speed, fast to slow		
	2	3	000-255	Tilt 2 0 ~ 270 degrees		
		4	000-255	Tilt Driver speed, fast to slow		
	3	5	000-255	Full dimmer, 0-100%		
2	4	6	000-008	No change		
			009-255	Strobe, slow to fast		
		7	000-008	No function	009-024	R
			025-041	G	042-057	B
			058-074	W	075-090	R+G
			091-107	R+B	108-123	R+W
			124-140	G+B	141-156	G+W
			157-173	B+W	174-189	R+G+B
			190-206	R+G+W	207-222	R+B+W
			223-239	G+B+W	240-255	R+G+B+W
		8	000-255	Colour 2		
		9	000-255	Colour 3		
		10	000-255	Colour 4		
		11	000-255	Colour 5		
		12	000-255	Colour 6		
		13	000-255	Colour 7		
		14	000-255	Colour 8		
3	5	15	000-007	NO change		
			008-247	Show 1 – 16 optional		
			248-255	Sound mode		
4	6	16	000-255	Show speed, slow to fast		
5	6	17	000-014	NO change		
			015-255	Colour fade		
6	8	18	000-255	Colour fade, slow to fast		

## Technical specifications

<b>Kam PowerGlide</b>	
<b>Mains power</b>	AC 110-240V 50/60Hz
<b>Mains connection</b>	IEC mains input and output
<b>Fuse</b>	F7A L250V
<b>Control modes</b>	DMX512 / Auto / Sound-to-Light / Master/Slave
<b>Light source</b>	8 x 10w CREE 4-in-1 LED
<b>Colours</b>	Red, green, blue and white
<b>Dimming</b>	0 to 100%
<b>Red lumi (1m)</b>	7800 x 8 Lux
<b>Green lumi (1m)</b>	16100 x 8 Lux
<b>Blue lumi (1m)</b>	30000 x 8 Lux
<b>White lumi (1m)</b>	29300 x 8 Lux
<b>Control setting</b>	4 buttons plus function setting LED display
<b>Operating temperature</b>	10~40°
<b>DMX512 connections</b>	3 pins XLR input (male) and output (female)
<b>DMX512 channels</b>	1 / 6 / 8 / 12 / 18
<b>Dimensions (WxDxH)</b>	400 x 235 x 130mm (not inc brackets)
<b>Nett weight</b>	5Kg