

KAM

INSTRUCTION MANUAL

Power Partybar

Powerful all-in-one LED lighting system

M A N U A L V E R S I O N 1 . 0
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Due to continuous product development, please ensure that you have downloaded the latest instruction manual for this product from the Kam website at www.kam.co.uk

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

www.kam.co.uk

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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 the performance of this product, please read these operating instructions carefully to familiarise yourself with the basic operations of this 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 mains electricity, 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 required written on 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.

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.

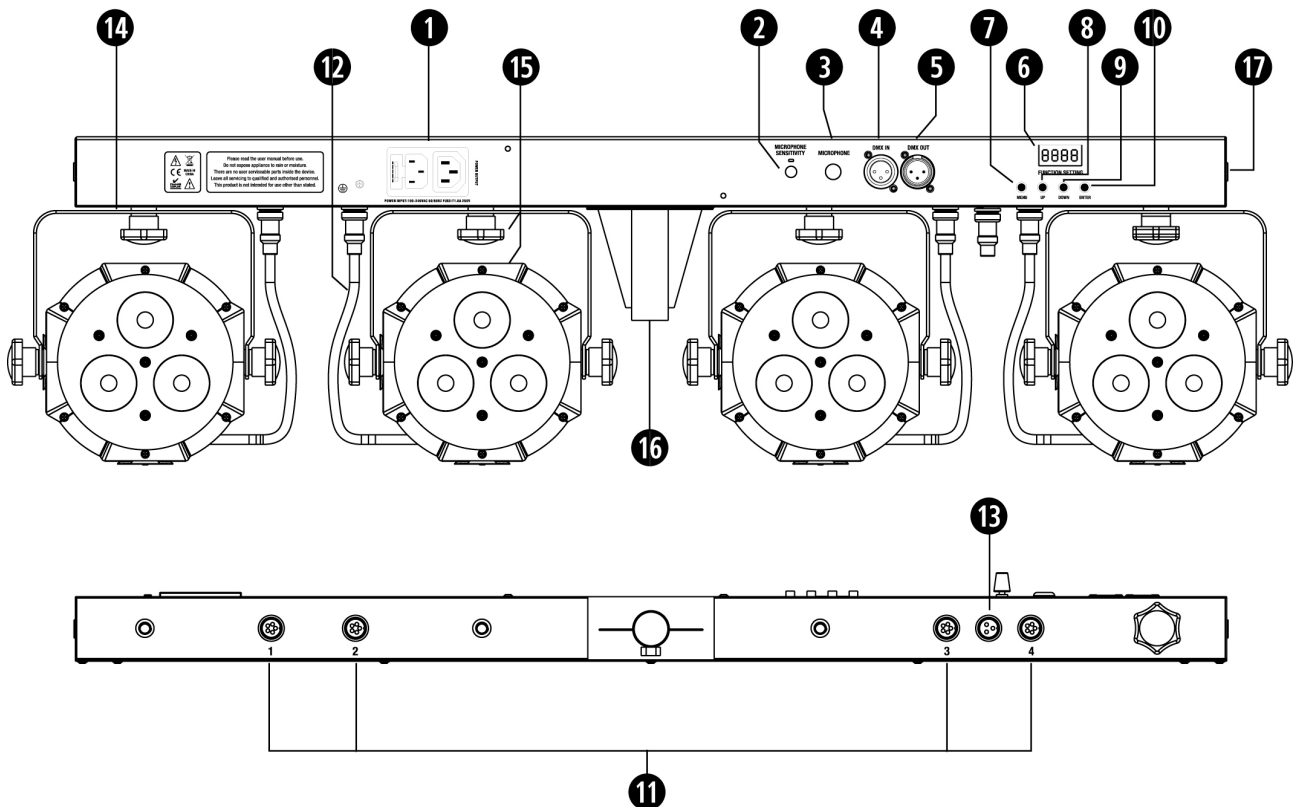
What is included in the package

- 1 x Kam LED Power Partybar (including 4 x par cans and 1 x T-Bar controller)
- 1 x lighting stand + 1 x stand bag
- 1 x footswitch controller
- 1 x IEC power cable
- 1 x gig bag for main unit
- 1 x instruction manual
- 2 x floor mount/dual connection mounts
- 4 x mounting bolts
- 4 x rubber mounting washers

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 fixture 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.



Key to product diagram

1. Mains input and output IEC socket sand integrated fuse holder. Connect the supplied IEC cable the input and the mains.
2. Sensitivity - this potentiometer is used to adjust the music input sensitivity during Sound-to-Light mode
3. Microphone - used to monitor the music input during Sound-to-Light mode
4. DMX input - 3 pin male XLR interface for DMX communication
5. DMX output - 3 pin female XLR interface for DMX communication
6. LED display - shows the various menus and the selected functions.
7. Menu button - used to select the different menu items
8. Up button – used to go up in the menu and to increase the values shown on the display
9. Down button – used to go back in the menu and to lower the values shown on the display
10. Enter button - used to confirm your choice
11. LED par can connection sockets
12. Lighting cables - sends the signal from the controller to the LED panels
13. Foot switch controller socket - connect the foot switch controller cable here
14. LED panels - the four LED par can panels
15. Pan & tilt adjustment brackets - used to position the LED panels
16. Stand insert
17. Floor mount/dual unit mount sockets for brackets

Operating instructions

The unit has five working modes:

- Auto mode - built-in programs not controlled by foot pedal controller
- Manual mode - RGB colour mix
- Audio mode - automatic built-in programs - sound activated via Sound-to-Light
- DMX512 mode - DMX512 control via controller
- Foot switch mode - hold, black out, and control programs via the foot pedal
- Ob3 mode - this allows control of unit using just 3 RGB DMX channels

Main menu

To select any of the menu options, press the MENU button to select the mode required.

Once you have made a selection then press ENTER to confirm.

Use the UP and DOWN buttons to choose the desired menu option.

Just wait 20 seconds, the menu structure is shown below.

This unit has a memory function. It will go directly into DMX mode after switching on, it will show A001 in the LED readout. Once a menu has been selected, the unit will show this in the LED readout the next time it is powered on.

MENU		Enter button	Up and Down buttons	Enter button
Mode	LED display			
DMX512 mode	A001	Specification modification	A.001 - A.512 DMX address selection	Save and run
Auto mode	AP01		AP01 - AP12 Built-in programs	
Manual mode	Colo		F.00 - F.08 (8 speed options) note: 00 is static	
			r.00 - r.08 Intensity of red colour 00=off 08=brightest	
			g00 - g.08 Intensity of green colour 00=off 08=brightest	
			b.00 - b.08 Intensity of blue colour 00=off 08=brightest	
Audio	Souo		F.00 - F.08 Increase strobe speed 00=static 08 fast strobe)	
Obey3	0b-3	3 channel DMX only RGB	No function	

Foot switch controller

The foot switch controller has two pedals, the left pedal is used to activate a black out / or to turn the unit On.

Pressing the left pedal once will blackout the unit and all par cans will turn off. Pressing the left pedal once again will light the unit and return it to it's last used position before the black out. During black out, the LED display will show **OFF**.

The right hand pedal is used for controlling programs. During this time the LED display will show **APon**. Pressing the pedal will step through the built-in program options.

Auto programs 1-12 and Auto programs ALL. The digital display will read "APon -> Ap01 -> AP02 -> AP03 -> AP04 -> AP05 -> AP06 -> AP07 -> AP08 -> AP09 -> AP10 -> AP11 -> AP12 -> ALL") as you step through the selection.

Press on the program foot pedal again to select into R ->G ->B ->RG ->GB ->RB ->RGB -> modes.

Mode operation

DMX512 mode: receives DMX512 control and slave data.

Auto mode: There are 12 modes under this the auto mode, from **AP01** to **AP12**. On every mode you can set the running speed.

Manual mode: Direct RGB control of colour and strobe speed can be manually set under this mode. For the red colour, the display will show **r00** to **r08**. As you increase the value, the red LED brightness will increase. This applies to each colour in turn (green will show as **g00** to **g08** and blue will show as **b00** to **b08**. **F00** to **F08** is the strobe speed option and as you increase the value the strobe speed will increase and change.

Audio mode: Sound-to-Light mode - adjust the audio sensitivity control knob on the rear panel to a suitable position so that the unit is reacting to any music. There are 4 modes, from **SP00** to **SP03**, as you increase the value the sound mode will increase and change.

Foot switch mode: There are 20 modes that can be selected. **AP01-AP12** is the internal auto program. **ALL** means that these 12 internal programs will run continuously.

DMX channels

Several optional operating modes were pre-programmed into the unit at DMX channel 1. **Before controlling other DMX channels, please be sure that the channel 1 was set in proper mode (value).**

Channels	Function	Value	Description
CH1	Mode 1	000-009	RGB colour adjustment
	Mode 2	010-029	Internal program running 1
	Mode 3	030-049	Internal program running 2
	Mode 4	050-069	Internal program running 3
	Mode 5	070-089	Internal program running 4
	Mode 6	090-109	Internal program running 5
	Mode 7	110-129	Internal program running 6
	Mode 8	130-149	Internal program running 7
	Mode 9	150-169	Internal program running 8
	Mode 10	170-189	Internal program running 9
	Mode 11	190-209	Internal program running 10
	Mode 12	210-229	Internal program running 11
	Mode 13	230-249	Internal program running 12
	Mode 14	250-255	4 kinds of Audio mode options
Note to operate CH1 CH3 must have a speed value set			
CH2	Dimmer 0-100%	000-255	RGB brightness 0-100%
CH3	Strobe speed / chase speed	000-015	No strobe
		016-255	Set strobe running speed
CH4	Adjust the red brightness	000-255	The first red LED 0-100%
CH5	Adjust the green brightness	000-255	The first green LED 0-100%
CH6	Adjust the blue brightness	000-255	The first blue LED 0-100%
CH7	Adjust the red brightness	000-255	The second red LED 0-100%
CH8	Adjust the green brightness	000-255	The second green LED 0-100%
CH9	Adjust the blue brightness	000-255	The second blue LED 0-100%
CH10	Adjust the red brightness	000-255	The third red LED 0-100%
CH11	Adjust the green brightness	000-255	The third green LED 0-100%
CH12	Adjust the blue brightness	000-255	The third blue LED 0-100%
CH13	Adjust the red brightness	000-255	The fourth red LED 0-100%
CH14	Adjust the green brightness	000-255	The fourth green LED 0-100%
CH15	Adjust the blue brightness	000-255	The fourth blue LED 0-100%

Working mode options

Important! The electrical installation should be carried out by qualified personal only, according to the regulations for electrical and mechanical safety in your country.

Standalone Mode

Standalone: you can choose between Auto, Manual or Audio modes. Use the **MENU**, **UP**, **DOWN** and **ENTER** buttons to select the desired mode.

Stand-alone Master/Slave

Connecting several units together without a DMX controller:

Setting the **Master** unit

Press the menu button to select the desired mode, Auto, Sound, Manual RGB.

Press enter to confirm.

Setting the **Slave** units

Press the menu button until **A***** is displayed.

Use the up/down buttons to select **A001**.

Press the enter button to confirm.

All Slave units must be set to **A001**.

Please note only one unit must be set as a Master.

The slave units will follow the controls from the master unit.

The foot pedal can be connected to the master unit to control all attached units.

Using a DMX controller

Each unit uses 15 DMX channels

To control all units, the same the DMX value must be set the same on all units. For example **A001**.

To control units individually each unit must have its own DMX start address and each address must be at least 15 channels apart. It is **vital** that no DMX address values must cross.

For example, unit 1 is set to **A001** and unit 2 set to **A016**, etc. Each unit is 15 channels apart!

Using ob-3 mode

To select ob-3 mode, press the menu button until **ob-3** is displayed.

Press enter to confirm.

This is designed to use a basic 3 channel DMX controller and will only give control of the RGB of all par cans. Individual control of each can is not available nor are any of the built-in programs.

Troubleshooting

Problem	Check list	Troubleshooting
No output - the unit does not appear to work	<ol style="list-style-type: none">1. Check if the power cord is connected to the input mains socket of the Power Partybar.2. Check if the ambient temperature in a safe range.	<ol style="list-style-type: none">1. Make sure there is mains present to the cable, check the fuse or replace the cable.2. When the temperature is suitable, the protect function will cancel automatically.
LEDs are dimmed	<ol style="list-style-type: none">1. Check if the power cord is connected to the input mains socket of the Power Partybar.	<ol style="list-style-type: none">1. Make sure the mains input voltage is the correct voltage.
No DMX input	<ol style="list-style-type: none">1. Check that the cable is not damaged.2. Check the polarity of the pin connections is correct.3. Check If the unit is in DMX mode.4. Check if 2 units are set as Master units in a chain.	<ol style="list-style-type: none">1. Change the DMX cable.2. Correct the DMX polarity or change the cable.3. Set up the function mode as DMX.4. Set all other units as Slave units in the chain.

Features and specifications

Kam LED Power Partybar

Incredibly powerful all-in-one LED lighting system
Compact and portable design
Dynamic ready-to-go lighting for stage performance or parties
Portable system of four LED par can lights
Creates superb full colour wash effects
Set up and ready to rock the party in minutes!
Fully individually positional par cans
Can be mounted on the supplied lighting stand
Can be floor mounted for uplighting effects
Complete with lighting stand & footswitch
LED control panel built into T-Bar
Sound-to-Light / Auto / DMX / Colour mix / Obey3
IEC input & output to power additional units
Ideal for all forms of performance including bands, stage, DJs or parties
Perfect for theatres, schools, events hire and weddings

Two units can be attached and mounted on one stand with the included brackets!

Compact modular par can design
Adjustable stand: 1.3m to 2.15m
Power consumption: 55w
LED: 12 x Tri-9w super bright LEDs
Colours: red 620nm/100lm, green 520nm/160lm and blue 462nm/50lm
Beam angle: 25°
Power linking IEC: 20 pieces at 240V / 10 pieces at 110V
DMX: 3 / 15 channel
AC power: auto switching 100V-240V 50/60Hz
Gross weight: 10kg
Fuse: 1.6A
Dimensions: 910mm x 242mm x 48mm

Complete kit includes:

LED Power Partybar / lighting stand / foot controller / mains power lead
Power Partybar kit padded case / stand bag / mounting brackets and bolts / instruction manual

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