

KAM

INSTRUCTION MANUAL

LED PAR KIT

Portable 4 x LED par can & controller kit

M A N U A L V E R S I O N 1 . 0

Date 22/12/2010

Extremely versatile LED RGB par can kit with controller
432 x 10mm LEDs producing high power colour washes
Floor standing or bracket mount par cans
Individual tilt and swivel for each par can
Can be mounted on a TBar lighting stand
Auto, Sound-to-Light & DMX modes
Master/Slave function
15 channel XLR DMX512
Compatible with the Kam LED Parbar series
Complete with all cables
Each par can measures 220 x 220 x 60mm
Controller measures 360 x 100 x 50mm
Mains fused IEC

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

www.kam.co.uk

Kam products are manufactured by: **Lamba plc**, Unit 1, Southfields Road, Dunstable, Bedfordshire, United Kingdom LU6 3EJ
Telephone: (+44) (0)1582 690600 • Fax: (+44) (0)1582 690400 • Email: mail@lambapl.com • Web: www.lambapl.com

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 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 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 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.

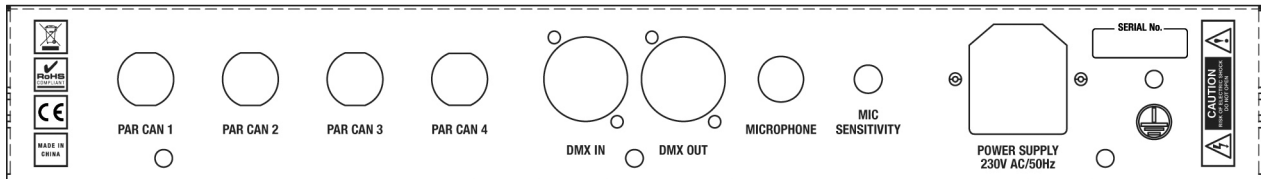
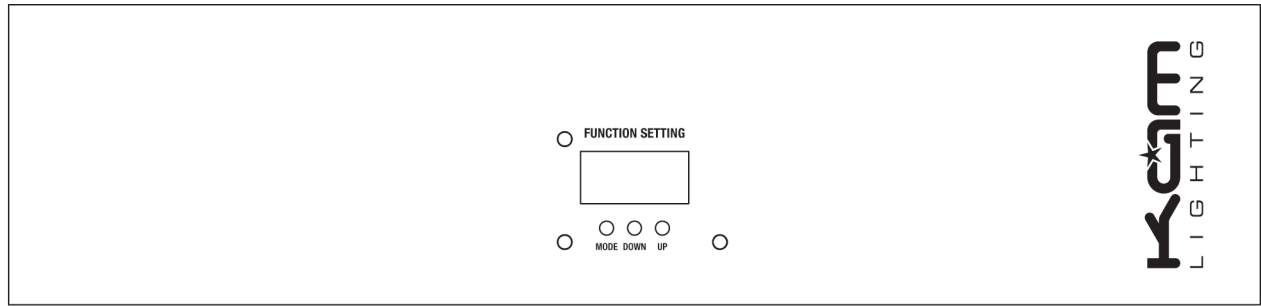
If applicable, only use the stand, tripod or bracket specified or sold with the apparatus.

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 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 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.

Panels



Operation

AUTO mode

To set auto mode press the menu button until the display shows either auto, snd or 512. Use the down button to select auto mode. The unit will now run through the built in programs. To adjust the running speed of the auto programs press the menu button until s*** is displayed then using the up / down buttons select the speed required. There are 100 speed steps **1 is the fastest, 100 is the slowest. The default speed is 51.

SOUND mode

To set sound mode press the menu button until the display shows either auto, snd or 512. Then use the down button to select snd mode. The unit will then be in sound activated mode. Use the sound sensitivity control dial next to the mains input to set the desired setting.

MASTER / SLAVE

If several of these kits are linked together, without using a DMX controller one unit must be set as the master unit and all the other units set to slave. To set the master unit choose either sound or auto mode as described above. To set the slave units. Press the menu button until A*** is displayed. Use the up / down buttons as required until A**1 is displayed. Then press the menu button again until snd/auto is displayed. Use the up button, this will now display 512. Wait 5-10 seconds and the display will change to d**1. The unit is now in slave mode. Repeat these steps for all the slave units.

Using DMX

The table below shows the DMX control for each channel. Each kit uses 15 DMX channels.

To set the DMX start address press the menu button until A*** is displayed. Use the up / down buttons to select the desired DMX start address 001-512. Press the menu button again until snd/auto is displayed. Then press the up button, this will now display 512. Wait 5-10 seconds and the display will change to d**?. Depending on which number you selected in the A*** menu the unit will display the same number but with the prefix d.

If several units are to be controlled via DMX at the same time with the same functions, set all units with the same DMX start address. If individual control of each kit is required, each kit will require its own individual DMX address. This must be set at least 15 channels apart and no DMX channels must cross.

Example .. first unit 001 second unit 016 and so on.

DMX table

DMX channel	Value	Function
Channel 1	000 – 009	Black out
	010 – 029	Program 1
	030 – 049	Program 2
	050 – 069	Program 3
	070 – 089	Program 4
	090 – 109	Program 5
	110 – 129	Program 6
	130 – 149	Program 7
	150 – 169	Program 8
	170 – 189	Program 9
	190 – 209	Program 10
	210 – 229	Program 11
	230 – 249	Auto Mode: Internal Programs
250 – 255	Sound Controlled Mode	
Channel 2	000 – 009	Black out
	010 – 255	Master dimmer 0-100%
Channel 3	000 – 009	Black out
	010 – 255	Strobe speed slow to fast
Channel 4	Spot 1 red	Dimming from 0 – 100%
Channel 5	Spot 1 green	Dimming from 0 – 100%
Channel 6	Spot 1 blue	Dimming from 0 – 100%
Channel 7	Spot 2 red	Dimming from 0 – 100%
Channel 8	Spot 2 green	Dimming from 0 – 100%
Channel 9	Spot 2 blue	Dimming from 0 – 100%
Channel 10	Spot 3 red	Dimming from 0 – 100%
Channel 11	Spot 3 green	Dimming from 0 – 100%
Channel 12	Spot 3 blue	Dimming from 0 – 100%
Channel 13	Spot 4 red	Dimming from 0 – 100%
Channel 14	Spot 4 green	Dimming from 0 – 100%
Channel 15	Spot 4 blue	Dimming from 0 – 100%

The Kam LED Par Kit can also be linked to one of our Kam LED Parbar range of products. This will allow the Kam LED Parbars and the Kam LED Par Kit to work together either stand alone, via DMX, or with the Kam LED Parbar foot controller.

To link these units together:

Stand alone

Set your Kam LED Parbar to either sound activated or auto mode. Then set the Kam LED Par Kit as a slave unit. To set slave units press the menu button until A*** is displayed. Use the up / down buttons as required until A**1 is displayed. Press the menu button again until snd/auto is displayed. Then press the up button, this will now display 512. Wait 5-10 seconds and the display will change to d**1 the unit is now in slave mode. Repeat these steps on all the slave units. The Kam LED Par Kit will now follow the Kam LED Parbar and will also work with the Kam LED Parbar foot pedal controller.

If using via DMX with the Kam LED Parbar

Using DMX

Set the DMX start address of the Kam LED Parbar then set the DMX start address of the Kam LED Par Kit as follows: Press the menu button until A*** is displayed. Use the up / down buttons to select the desired DMX start address 001-512. Press the menu button again until snd/auto is displayed. Then press the up button, this will now display 512. Wait 5-10 seconds and the display will change to d**?. Depending on which number you selected in the A*** menu the unit will display the same number but with the prefix d.

If several units are to be controlled via DMX at the same time with the same functions as the Kam LED Parbar, set all the units with the same DMX start address. If individual control of each unit is required, each kit will require its own individual DMX address. This must be set at least 15 channels apart and no DMX channels must cross.

Example .. set Kam LED Parbar to 001, set the Kam LED Par Kit unit 016 and so on.

Technical specifications

Power supply: 110-240V AC, 50-60Hz

Power consumption: 48w

Number of DMX channels: 15

DMX512 connection: 3-pin XLR

Number of 10mm LEDs: 432

Beam angle: 25°

Sound-control: via built-in microphone

Maximum ambient temperature Ta: 45°C

Maximum housing temperature TB (steady state): 60°C

Min. distance from flammable surfaces: 0.50m

Min. distance to lighted object: 0.10m

Fuse: F2A, 250V

Dimensions (LxWxH): Parcan - 220 x 220 x 60 mm
 Control box - 360 x 100 x 50 mm

Weight: 6Kg