Kam

INSTRUCTION MANUAL

LED PARTYBAR V2
Stand or floor-mount LED par can kit

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

08 / 09 / 11

Superb colour wash effects
LED RGB lighting
Fully positional par cans
Complete with a lighting stand, footswitch controller and rig bags
Compact slimline, low profile lights
Adjustable lighting stand
Built-in auto programs
Built-in sound activated programs
Two peddle footswitch for easy operation
DMX512 mode
Sound-to-Light mode
Master/Slave operation
81 LEDs per light
27 x red LEDs / 27 x green LEDs / 27 x blue LEDs

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

www.kam.co.uk

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 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.

Function

The unit has five working modes:

Auto mode – Built-in programs not controlled by foot pedal controller.
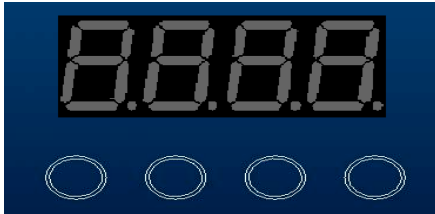
Manual mode – RGB colour mix

Audio mode – automatic built in programs Sound activated

DMX512 mode – DMX512 control via controller

Foot Switch mode – Hold, black out, and control programs via the foot pedal.

Ob-3 – mode this allows control of unit using just 3 dmx channels RGB

Control functions via Built-in control menu:

MENU   UP   DOWN   ENTER

Use the MENU button to select the mode required

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

This product has a memory function. It will go directly into DMX mode after switching on, it shows "A001". Once a menu has been selected the next time it is powered on the unit will show the mode you previously finished on.

"MENU"		"ENTER"	"UP"	"DOWN"	"ENTER"
Mode	Digital display				
DMX512 mode		Specification modification	A.001—A.512 (DMX address selection）	A.512—A.001 (DMX address selection）	Save and run
Auto mode			AP01—AP12 Built in programs	AP12—AP01 (built in programs	
			F-00—F-08 (8 speed options) note 00 is static	F-08 — F-00 (8 speed options) note 00 is static	
Manual mode			r-00 — r-08 intensity of red colour 00=off 08 = brightest	r-08 — r-00 intensity of red colour 00=off 08 = brightest	
			g-00 — g-08 intensity of green colour 00=off 08 = brightest	g-08 — g-00 (intensity of green colour 00=off 08 = brightest	
			b-00—b-08 intensity of blue colour 00=off 08 = brightest	b-08—b-00 intensity of blue colour 00=off 08 = brightest	
			F-00—F-08 (Increase Strobe speed 00= static 08 fast strobe)	F-08—F-00 (Decrease Strobe speed 00= static 08 fast strobe)	
Audio mode			SP00—SP03 (Increase 4 possible audio sensitivity)	SP03—SP00 (Decrease 4 possible audio sensitivity	
Obey3		3 channel dmx only rgb	No function	No function	

Foot switch

The foot switch has 2 pedals

The left pedal is blackout / on

Pressing the left pedal once will blackout the unit and all par cans will go off

Pressing the left pedal once again the unit will light and return to the position the unit was in before black out was pressed

In blackout mode the display will show

Using the right hand foot pedal (programs)

By pressing the program pedal the unit will step through the built in 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.

You also can step on the "PROGRAMS" footplate again to select into R->G->B->RG->GB->RB->RGB-> modes

Use the MENU button to select the mode required

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

Function introduction

DMX512 mode: To receive DMX512 controller and the 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 R G B control of colour and strobe speed can be manually set under this mode. The display will show r-00-r-08 as you increase the value the LED brightness increase and change, The display will show g-00 - g-08 as you increase the value the LED brightness increase and change, The display will show b-00 - b-08 as you increase the value the LED brightness increase and change, F-00-F-08 is the Strobe Speed option and as you increase the value the Strobe speed will increase and change.

Audio mode: Under this mode, please adjust the Audio Sensitivity control knob on the rear panel to a suitable position, meanwhile, there are 4 modes, from SP00 to SP03, as you increase the value the sound mode will increase and change.

Use the MENU button to select the mode required

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

Foot Switch mode: There are 20 modes that can be selected. AP01—AP12 is the internal auto program, ALL means these 12 internal programs running constantly.

DMX Channels

Channels	Function	DMX512	Description
CH1	Mode 1	0-9	RGB Color adjustment
	Mode 2	10-29	Internal program running 1
	Mode 3	30-49	Internal program running 2
	Mode 4	50-69	Internal program running 3
	Mode 5	70-89	Internal program running 4
	Mode 6	90-109	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%	0-255	Rgb brightness 0-100%
CH3	Strobe speed / chase speed	0-15	No-Strobe
		16-255	Strobe or Running speed choose
CH4	Adjust the red brightness	0-255	The first Red LED 0-100%

CH5	Adjust the green brightness	0-255	The first Green LED 0-100%
CH6	Adjust the blue brightness	0-255	The first Blue LED 0-100%
CH7	Adjust the red brightness	0-255	The second Red LED 0-100%
CH8	Adjust the green brightness	0-255	The second Green LED 0-100%
CH9	Adjust the blue brightness	0-255	The second Blue LED 0-100%
CH10	Adjust the red brightness	0-255	The Third Red LED 0-100%
CH11	Adjust the green brightness	0-255	The Third Green LED 0-100%
CH12	Adjust the blue brightness	0-255	The Third Blue LED 0-100%
CH13	Adjust the red brightness	0-255	The Forth Red LED 0-100%
CH14	Adjust the green brightness	0-255	The Forth Green LED 0-100%
CH15	Adjust the blue brightness	0-255	The Forth Blue LED 0-100%

Working mode Options

Stand-alone Mode

Stand-alone: You can choose between Auto, Manual mode, Audio mode. 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

1. Press the menu button to select the desired mode, auto, sound, manual RGB
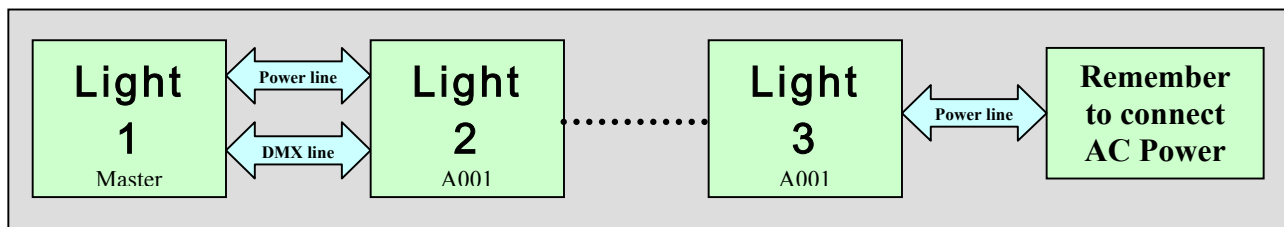2. Press enter to confirm

   Setting the slave units

   1. Press the menu button until A*** is displayed
   2. Use the up / down buttons to select A001
   3. Press the enter button to confirm
   4. 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 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

No DMX address values must cross

Example unit 1 set to A001 unit 2 set to A016 etc each 15 channels apart
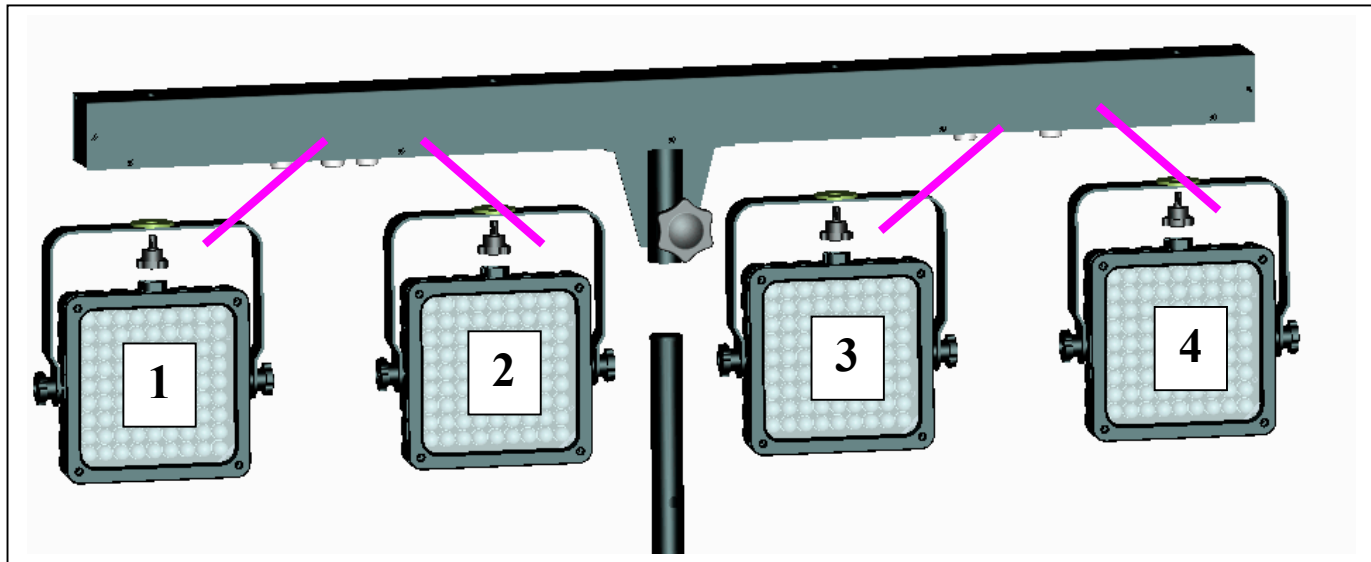
Using ob-3 mode

To select ob-3 mode

1. Press the menu button until ob-3 is displayed
2. 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.

Trouble Shooting：

Problems	Check list	Trouble Shooting
No Output. The product does not work	1. Check if the power cord is connect in the input mains socket of the party Bar. 2. Check if the ambient temperature in a safe range.	1. Make sure there is mains present to the cable, check the fuse or replace cable. 2. After the temperature is suitable, the protect function will cancel automatically.
LED dimmed	1. Check if the power cord is connect in the input mains socket of the party Bar.	1. Make sure the mains input voltage is the correct voltage.
No DMX input	1. Check the cable is damaged or Whether the polarity of the pin connections is correct. 2. Check If it is in DMX mode. 3. Check If there are 2pcs master in the whole circuit.	1. Correct the DMX polarity or change the cable. 2. Set up the function mode as DMX. 3. Set 1pcs in slave mode.