

# DMX PROTOCOL

## DMX MODE 2

Channel 1	Segment A1	To set colour, see below channel colour breakdown 0-9 Off 10-45 Red 46-80 Green 81-115 Blue 116-150 Yellow (red + green) 151-185 Cyan (green + blue) 186-220 Purple (red + blue) 221-255 White (red + green + blue)
Channel 2	Segment A2	To set colour, see above channel colour breakdown
Channel 3	Segment A3	To set colour, see above channel colour breakdown
Channel 4	Segment A4	To set colour, see above channel colour breakdown
Channel 5	Segment A5	To set colour, see above channel colour breakdown
Channel 6	Segment A6	To set colour, see above channel colour breakdown
Channel 7	Segment A7	To set colour, see above channel colour breakdown
Channel 8	Segment A8	To set colour, see above channel colour breakdown
Channel 9	Segment B1	To set colour, see above channel colour breakdown
Channel 10	Segment B2	To set colour, see above channel colour breakdown
Channel 11	Segment B3	To set colour, see above channel colour breakdown
Channel 12	Segment B4	To set colour, see above channel colour breakdown
Channel 13	Segment B5	To set colour, see above channel colour breakdown
Channel 14	Segment B6	To set colour, see above channel colour breakdown
Channel 15	Segment B7	To set colour, see above channel colour breakdown
Channel 16	Segment B8	To set colour, see above channel colour breakdown
Channel 17	Strobe	To set strobe at various speeds for all LEDs which are in ON status 0-9 No function 10-255 Strobe from slow to fast (up to 50Hz)
Channel 18	Built-in program	Stand Alone and Sound Control 0-9 No function 10-249 Built-in program to stand alone (choice of 16 programs) 250-255 Sound Control

A4	A5
A3	A6
A2	A7
A1	A8

LEFT SCREEN

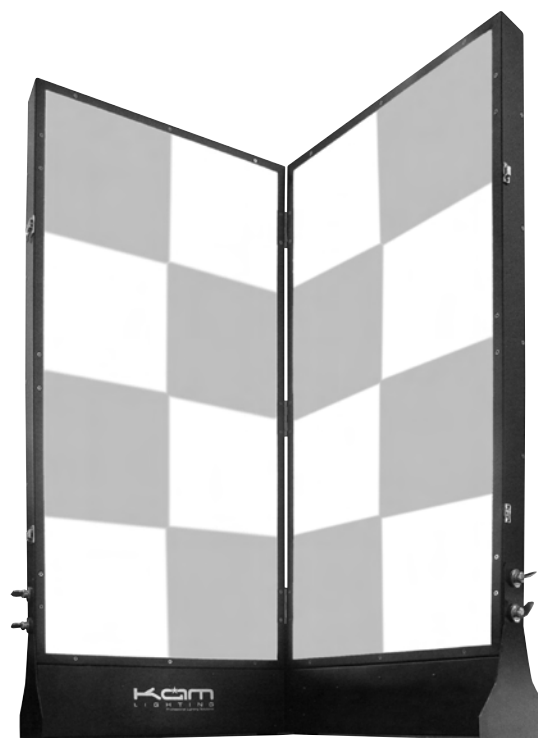
B4	B5
B3	B6
B2	B7
B1	B8

RIGHT SCREEN

# KAM

## LED1300 DMX LIGHTSCREEN

Full DMX controlled LED lightscreen



## INSTRUCTION MANUAL

For information on the entire Kam range and all the latest new products visit:

[www.kam.co.uk](http://www.kam.co.uk)

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## INTRODUCTION

Thank you for purchasing the Kam LED1300 DMX Lightscreen. To optimise the performance of this product, prior to use, please read these operating instructions carefully to familiarise yourself with the basic operations of this unit. The LED1300 DMX Lightscreen has the Kam funky design and leads the way in new technology for the next era of DJ light screens. Please keep this instruction manual in a safe place for future reference. This unit has been tested at the factory before being shipped to you. There are no user replaceable parts. Please check the unit carefully when unpacking, if any physical damage is apparent, please contact the dealer you purchased the unit from immediately. Warning to prevent or reduce the risk of electrical shock or fire, do not expose this unit to high temperature, rain or moisture. This unit is for indoor use only.

## CONTENTS

Your new LED1300 DMX Lightscreen will come with

- 1 x pair of clip together screens
- 2 x stabilising legs
- 4 x securing clips for stabilising legs
- 1 x data connection cable

## DMX PROTOCOL FOR THE KAM LED1300 DMX LIGHTSCREEN

There are two DMX modes. Every time you power on these fixtures, they will automatically default to Mode 1. Modes can be set from channel 18 via the DMX controller.

The LED panels are made up of 16 separate panels which can be programmed individually, or as a complete panel colour. It is possible to use this unit in 48 channel mode to give full control and RGB colour mixing on each of the unit's panels (segments).

## LCD MENU SEQUENCE

Roll the jog wheel clockwise to show the menu options in the following sequence:

### DMX ADDRESS SETTINGS | NON DMX AUTO/SOUND | DMX MODES

To use the menu, rotate the jog wheel until it displays the desired address number or menu option. Press the wheel to confirm the settings of the desired option. After pressing a second time, the display will go to the next menu setting.

### DMX ADDRESS SETTING

To set the address, press the jog wheel and turn it clockwise to increase the value and anticlockwise to decrease the value. Press again to confirm.

### NON DMX RUNNING MODES

To set non DMX running modes, disconnect the fixtures (LED1300 Lightscreen) from your external DMX controller, and then press the jog wheel and turn it until it shows: No DMX Auto/Sound

To confirm this setting, press the jog wheel. AUTO indicates the Auto Running Mode and SOUND indicates the Sound Activation Mode. Press the jog wheel again to confirm when the desired running mode is selected.

### DMX MODES

There are two different DMX modes that can be chosen on the LCD menu:

**MODE 1:** 16 x 3. There are a total of 48 control channels (16 x RGB). Each of the 16 screen segments use 3 channels for RGB dimming and colour mixing. Note: by mixing the red, green and blue colours you can create new colours, for example, channels 1-3 mix the RGB LEDs for segment 1.

**MODE 2:** 16 + 2. There are a total of 18 control channels. Channels 1 to 16 control the colour of each segment from a choice of 7 preset colours. Channel 17 has strobe settings and channel 18 has built in preset programs.

To set, rotate the jog wheel until it displays the desired DMX mode. Press the jog wheel to enter the settings of the chosen DMX mode or option. After pressing a second time, the display will go to the next menu setting.

## DMX PROTOCOL

### DMX MODE 1

Channel 1	Red in segment A1	0-255 dimming from off to full on
Channel 2	Green in segment A1	0-255 dimming from off to full on
Channel 3	Blue in segment A1	0-255 dimming from off to full on
Channel 4	Red in segment A2	0-255 dimming from off to full on
Channel 5	Green in segment A2	0-255 dimming from off to full on
Channel 6	Blue in segment A2	0-255 dimming from off to full on
Channel 7	Red in segment A3	0-255 dimming from off to full on
Channel 8	Green in segment A3	0-255 dimming from off to full on
Channel 9	Blue in segment A3	0-255 dimming from off to full on
Channel 10	Red in segment A4	0-255 dimming from off to full on
Channel 11	Green in segment A4	0-255 dimming from off to full on
Channel 12	Blue in segment A4	0-255 dimming from off to full on
Channel 13	Red in segment A5	0-255 dimming from off to full on
Channel 14	Green in segment A5	0-255 dimming from off to full on
Channel 15	Blue in segment A5	0-255 dimming from off to full on
Channel 16	Red in segment A6	0-255 dimming from off to full on
Channel 17	Green in segment A6	0-255 dimming from off to full on
Channel 18	Blue in segment A6	0-255 dimming from off to full on
Channel 19	Red in segment A7	0-255 dimming from off to full on
Channel 20	Green in segment A7	0-255 dimming from off to full on
Channel 21	Blue in segment A7	0-255 dimming from off to full on
Channel 22	Red in segment A8	0-255 dimming from off to full on
Channel 23	Green in segment A8	0-255 dimming from off to full on
Channel 24	Blue in segment A8	0-255 dimming from off to full on
Channel 25	Red in segment B1	0-255 dimming from off to full on
Channel 26	Green in segment B1	0-255 dimming from off to full on
Channel 27	Blue in segment B1	0-255 dimming from off to full on
Channel 28	Red in segment B2	0-255 dimming from off to full on
Channel 29	Green in segment B2	0-255 dimming from off to full on
Channel 30	Blue in segment B2	0-255 dimming from off to full on
Channel 31	Red in segment B3	0-255 dimming from off to full on
Channel 32	Green in segment B3	0-255 dimming from off to full on
Channel 33	Blue in segment B3	0-255 dimming from off to full on
Channel 34	Red in segment B4	0-255 dimming from off to full on
Channel 35	Green in segment B4	0-255 dimming from off to full on
Channel 36	Blue in segment B4	0-255 dimming from off to full on
Channel 37	Red in segment B5	0-255 dimming from off to full on
Channel 38	Green in segment B5	0-255 dimming from off to full on
Channel 39	Blue in segment B5	0-255 dimming from off to full on
Channel 40	Red in segment B6	0-255 dimming from off to full on
Channel 41	Green in segment B6	0-255 dimming from off to full on
Channel 42	Blue in segment B6	0-255 dimming from off to full on
Channel 43	Red in segment B7	0-255 dimming from off to full on
Channel 44	Green in segment B7	0-255 dimming from off to full on
Channel 45	Blue in segment B7	0-255 dimming from off to full on
Channel 46	Red in segment B8	0-255 dimming from off to full on
Channel 47	Green in segment B8	0-255 dimming from off to full on
Channel 48	Blue in segment B8	0-255 dimming from off to full on