



# Kam LED Powercan Tri 54w Instruction manual version 1.0

## Features

- 3 or 7-channel DMX-512 tri-color LED Parcan  
3-channel: RGB control / 7-channel: RGB, macros, run speed, strobe, automatic/sound, dimmer
- 7 Solid colors setting on menu board without DMX controller
- User Mode allows setting R, G, B intensity from control board
- Built-in automated programs via master/slave or DMX with variable speed
- Built-in sound activated programs via master/slave or DMX
- Tri-color LEDs for superior color mixing

## Control Board

The Control Board offers several features: you can run the internal programs or set the starting address. Browse through the main menu by pressing MODE. You can change the selection by pressing UP or DOWN, confirm by ENTER. The functions provided are described in the following sections.

### Setting Solid Colors

Press the MODE button to select the solid color mode. When the display shows **C**, you can select the desired solid color via the UP or DOWN buttons and confirm by ENTER (see following graphic).

Mode:	Value:	Function:
C	C1	Red
	C2	Green
	C3	Blue
	C4	Cyan
	C5	Magenta
	C6	Yellow
	C7	White

### Internal Programs, Sound Control

Press the MODE button to select the internal program mode. When the display shows **P**, you can select the desired internal program, with or without sound control, via the UP or DOWN buttons then confirm by ENTER (see below).

Mode	Value	Function
P	P1	Endless loop in 7 colors, change every 3 seconds
	P2	Endless loop in 7 colors, fade every 3 seconds
	P3	Endless loop in 3 colors, change every 3 seconds
	P4	Endless loop in 3 colors, fade every 3 seconds
	P5	Endless loop in 7 colors, via sound control
	P6	Endless loop in 3 colors, via sound control

### Setting the Sound Sensitivity:

You can do without a controller as the device features a built-in microphone, which provides automatic sound control. You can adjust the sensitivity with the rotary-control on the rear panel.

### User Mode

In User Mode you can set intensity of R, G, B separately to get endless color mixing from the control board without DMX controller. Press Mode till you see U, press ENTER, you can see r\*\*, so you can set intensity of red color from 100-0 (100%-0), to complete setting of red color, press ENTER, then display g\*\*, set intensity of green in same way, and then to b\*\*, set intensity of blue in same way.

### DMX Mode

The Control Board allows you to assign the DMX fixture address, which is defined as the first channel from which the unit will respond to the controller.

### Addressing

Press the MODE button until the display shows **D**. You can now set the desired address via the UP or DOWN buttons

then press ENTER to confirm.

**Setting the DMX Start Address:**

Mode	Value
D	001- 512

**Controlling:**

After having addressed the unit you may now start operating it via your lighting controller

**Choosing a DMX Channel Mode with 3 or 7 Channal occupation**

The device has 2 DMX-modes. The Control Board allows you to assign the DMX-Mode.

**Setting DMX Mode**

After setting the desired address via the UP or DOWN buttons, press the MODE button again and the display shows 7ch. In case you would rather select the 3-channel mode, press the DOWN button in order to choose the 3ch setting.

**DMX-protocol**

**7 Channel Mode:**

CHANNEL	VALUE	FUNCTION
1	000- 255	Red ( 0 -100% )
2	000- 255	Green ( 0 -100% )
3	000- 255	Blue ( 0 -100% )
4	000- 015	No Function
	016- 255	Color Macro
5	000- 015	No Function
	016- 255	Strobe (CH.6 @000 – 031,RGB mode only) Slow ~ Fast Speed (CH.6 @ values 32-223) Slow ~ Fast
6	000 - 031	No Function
	032 - 063	White Fading 0 – 100%
	064 - 095	White Fading 100% – 0
	096 - 127	White Fading 0 – 100% – 0
	128 - 159	7 Colors Fading 0 – 100%
	160 - 191	3 Colors Chasing
	192 - 223	7 Colors Chasing
	224 - 255	Sound active
7	000- 255	Dimmer 0 – 100%

**3 Channel Mode**

CHANNEL	VALUE	FUNCTION
1	000- 255	Red ( 0 -100% )
2	000- 255	Green ( 0 -100% )
3	000- 255	Blue ( 0 -100% )

**Master/Slave operation**

The master/slave operation enables that several devices can be synchronized and controlled by one master device.

Set Master device via LC Display Mode : “C – 1 ~ 7”, or “ P -- 1 ~ 6” , the Slave device DMX address “001”

**Technical specifications**

Power supply: 230 V AC, 50 Hz ~ / Power consumption: 80 W

Number of DMX channels: 7 / DMX-512 connection: 3-pin XLR

Sound-control: via built-in microphone

Maximum ambient temperature  $T_a$ : 45° C / Maximum housing temperature  $T_B$ : 60° C

Min. distance from flammable surfaces: 0.5 m / Min. distance to lighted object: 0.1 m

Number of TCL 3W LEDs: 18 / Beam angle: 22°

Fuse: F 2 A, 250V

Dimensions (LxWxH): 410 x 290 x 390 mm / Weight: 3 kg

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

**www.kam.co.uk**

**Kam** products are manufactured by: **Lamba plc**, Unit 1, Southfields Road, Dunstable, Bedfordshire, UK LU6 3EJ

Telephone: (+44) (0)1582 690600 • Fax: (+44) (0)1582 690400

Email: mail@lambapl.com • Web: www.lambapl.com

Due to continuous product development, specifications and appearance are subject to change.

If this product is ever no longer functional please it take to a recycling plant for environmentally friendly disposal.