

# Canton Laserphoto Electronic Equipment Co., LTD

## LP-12K galvo 12 channel One color & Three color manual

Thank you for you choice our LP-12K laser projector. In order to use this product safely and throughly. Please read this manual carefully before use . And contact with us for any problems.

This is single pattern laser bean program, total 12 channels for DMX, Controlled by standard DMX signals. High capacity and speed microprocessor control 128 pattern show patterns pre-programmed (Customizable), patterns free to rotation, zoom in/out, dot draw, slow draw, move ,convert,ect. effect. High speed scanner, produce mutil-screen effect, allow to static or dynamic scan. Can display animals, words ect complicated patterns. Blank result in clear images.

Applicable for disco hall, pub, clubs, large stage, entertainment center ,trade show, corporate special events ect.

DIP switch: Address 1-10 Pin,(1:ON,0:OFF,x:ON or OFF)

1 ~ 10	Function
0,0,0,0,0,0,0,0,0,0	Auto mode-Sound
1,0,0,0,0,0,0,0,0,0	Auto mode-Auto
1,1,0,0,0,0,0,0,0,0	Auto mode-Animal
0,0,1,0,0,0,0,0,0,0	Slave
x,x,x,x,x,x,x,x,x,1	DMX control

Address Calculate,When the function is DMX control:

x	x	x	x	x	x	x	x	x	1
1	2	4	8	16	32	64	128	512	DMX control

when address is 1000 0000 01

this mean is  $1 \times 1 = 1$ , the same you must select DMXchannel 1 for you Start channel, DMXchannel 12 for your End channel

when address is 0100 1000 01

this mean is  $1 \times 2 + 1 \times 16 = 18$ , the same you must select DMXchannel 18 for you Start channel, DMXchannel 29 for your End channel.

when address is 1100 0100 01

this mean is  $1 \times 1 + 1 \times 2 + 1 \times 32 = 35$ , the same you must select DMXchannel 35 for you Start channel, DMXchannel 46 for your End channel.

DMX control

Channel	DMX512	Detail/Funtion
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<b>1 Control mode</b>	0--49	Auto mode-Sound
	50--99	Auto mode-Auto
	100--149	Auto mode-Animal
	150--199	Manual mode-Sound
	200--255	Manual mode-Auto
<b>2 Blanking Single color</b>	0--15	Laser off
	16--25	No Blanking
	26--135	Wave Blanking, the speed from 0 to 27 (4)
	136--245	Flash blanking, the speed from 0 to 27 (4)
	246--255	Fix Blanking
<b>2 Blanking Three color</b>	0--5	Laser off
	6--15	Red
	16--25	Green
	26--35	Yellow
	36--105	Flash Color, the speed from 0 to 70
	106--175	Random Color, the speed from 0 to 70
	176--245	Wave Color,the speed from 0 to 70
	246--255	Fix Color
<b>3 Pattern</b>	0--255	128-Pattern selection
<b>4 Vertical moving</b>	0--127	Manual Vertical Move
	128--191	Auto Down Move,the speed from 0 to 16 (4)
	192--255	Auto Up Move,the speed from 0 to 16 (4)
<b>5 Horizontal moving</b>	0--127	Manual Horizontal Move
	128--191	Auto Right Move,the speed from 0 to 16 (4)
	192--255	Auto Left Move,the speed from 0 to 16 (4)
<b>6 Vertical Rolling</b>	0--127	Manual Vertical Roll
	128--255	Auto Vertical Roll,the speed from 0 to 16 (8)
<b>7 Horizontal Rolling</b>	0--127	Manual Horizontal
	128--255	Auto Horizontal Roll,the speed from 0 to 16 (8)
<b>8 Rotation</b>	0--127	Manual Rotation
	128--191	Auto clockwise Rotation, the speed from 0 to 16 (4)
	192--255	Auto anti-clockwise Rotation,the speed from 0 to 16 (4)
<b>9 Zoom</b>	0--85	Auto from small to large, the speed from 0 to 18(5)
	86--170	Auto from large to small, the speed from 0 to 18(5)
	171--255	Auto Zoom by turns, the speed from 0 to 18 (5)
<b>10 Pattern Size</b>	0--255	the Size from 0 to 255
<b>11 Dot view</b>	0--255	0 Normally, Dot view from 1 to 10 (24)
<b>12 Slow draw</b>	0--127	Auto <i>Slow draw A</i> , the speed from 0 to 21 (6)
	128--255	Auto <i>Slow draw B</i> , the speed from 0 to 21 (6)

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## Note:

Auto mode-Sound: is preprogrammed laser beam, sound activation

Auto mode-Auto: is preprogrammed laser beam, Auto activation with nothing

Auto mode-Animal: is preprogrammed laser animal, Auto activation with nothing

Slave: Slave unit, depend on the master unit. master have three status, like Auto mode-Sound: Auto mode-Auto: Auto mode-Animal etc.

the speed from 0 to 27 (4) mean: the speed have maximum 27 class, you can use slide-bar select speed which do you want. (4) mean is 4 ceil for one class.

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