

SD card laser light's control system

User Manual

Like above picture,

MODE: Press one time change one mode

UP、DOWN: when in PRG and IL mode short press to change the working file, long press to change the whole folder, when in sound mode, it'll change the acoustic sensitivity.

Working mode:

Prg Mode : play list mode, play PRG document, the second line display the working file, short press UP and DOWN to change ILDA file, long press to change the whole folder.

ILDA Mode: ILDA play mode,, cycle play any ILDA file (expanded-name is ILDA file) short press to change the working file, long press to change the whole folder.

Audio Mode: when in audio mod, play the inside audio activation program, press UP and DOWN to change the acoustic sensitivity.

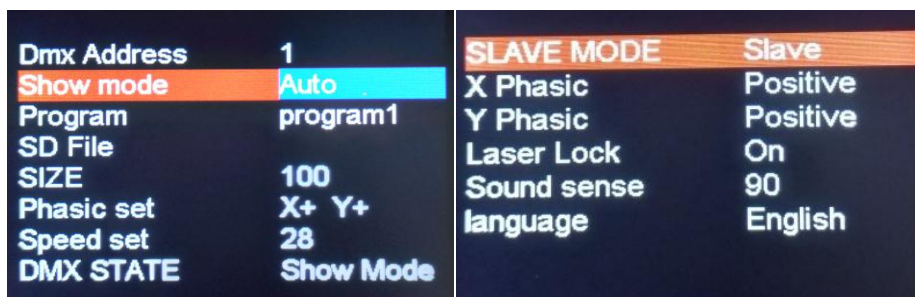
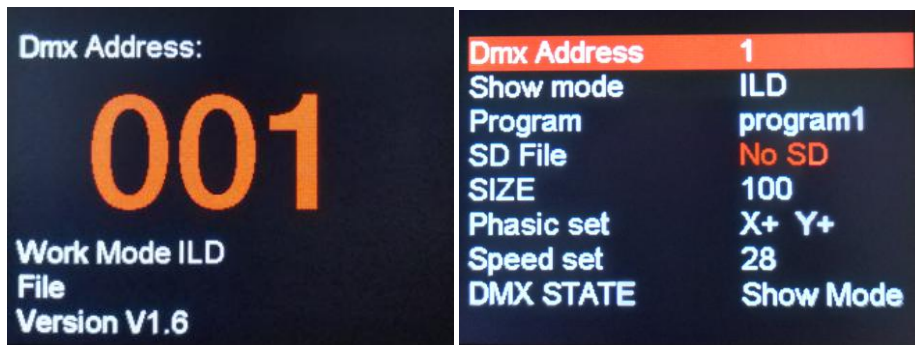
Auto Mode: when in auto mode, it will play the program inside automatically.

Dmx Mode: when in DMX mode, press UP and DOWN to change DMX address.

Physic set: when in Physic set, press UP and DOWN to change the phase position.

DMX channel instruction:

operation panel



Power:

Green 3000mw (532nm)

Red 3000mw (650nm)

Blue 5000mw (450nm)

The button can be pressed or left and right.	
Black screen: press a button or rotary button to light up the screen to see the current state, and then press once to enter the settings state	
display	Functional parameters
Dmx	0~512
Show mode	ILD
	Sound
	Auto
	PRG
Program	Program1
	Program2
	Program3
SD File	X.....X (SDFilename)
SIZE	10~100
Phasic set	X+ Y+
	X- Y+
	X- Y-
	X+ Y-
Speed set	15~40
DMX STATE	Show Mode
	Black out
SLAVE MODE	Slave
	Maste
X Phasic	This setting also changes the input phase of the native and external
	Positive
	Reverse
Y Phasic	Positive
	Reverse
Laser Lock	On

Press a MODE key to enter a pattern, and press MODE again to exit the current mode

So, in the swap mode, the MODE button is pressed two times

Display screen and corresponding function

DMX512 channel instruction

Channe	Function	Value	Description			
CH1	Model Select	0-49	Auto mode			
		50-99	Audio(Sound Active) mode			
		100-149	PRG mode			
		150-199	ILD mode			
		200-255	Manual mode	PRG/ILD mode		
CH2	Pattern/Folder Select	0-255	Manual mode Pattern select, every 3 value one pattern	File select		
CH3	Flashing/File Select	0-10	No strobe	Play file select		
		11-199	Auto strobe			
		200-255	Audio strobe			
CH4	RGB Models Color Select	0-5	Laser off			
		6-16	White	6-10	origina	
				11-16	White	

		17-33	Red
		34-50	Green
		51-67	Blue
		68-84	Yellow
		85-101	Purple
		102-118	Cyan
		119-135	White, red, green, blue color section
		136-152	Blue, yellow, purple, cyan color section
		153-169	W, R, G, B, Y, P, C 7 color section
		170-186	White, red, green, blue 4 color flow
		187-203	Blue, yellow, purple, cyan 4 color flow
		204-220	Blue, yellow, purple, cyan 4 color flow
		221-237	color subsection by inflexion
		238-255	Sound active color change
CH5	Display Mode	0-63	Normal display
		64-127	Light dot display
		128-191	Segment display
		192-255	Dot display
CH6	X move	0-125	Adjust position by manual
		126-185	Move circle from left to right
		186-225	Jump circle from right to left automatically
		226-245	Auto jumping
		246-255	Audio jumping
CH7	Y move	0-125	Adjust position by manual
		126-185	Move circle from up to down
		186-225	Jump circle from down to up automatically
		226-245	Auto jumping
		246-255	Audio jumping
CH8	Zoom(+/-)	0-10	No change
		11-87	Adjust size by manual
		88-150	Zoom +
		151-200	Zoom -
		201-255	Zoom (+/-) circle
CH9	Rolling X	0	No change
		1-128	Manual rotation
		129-255	Auto rotation
CH10	Rolling Y	0	No change
		1-128	Manual rotation
		129-255	Auto rotation
CH11	Rolling Center	0	No change
		1-128	Manual rotation
		129-192	Auto clockwise rotation
		193-255	Auto counterclockwise rotation
CH12	Drawing	0-10	No change
		10-74	Manual drawing
		75-104	Auto drawing +
		105-144	Auto drawing -
		145-184	Auto drawing circle
		185-224	End to end drawing circle +
		225-255	End to end drawing circle -
CH13	X wave	0-9	No wave
		10-69	Small wave
		70-129	Medium wave
		130-189	Big wave
		190-255	Biggest wave
CH14	Y wave	0-9	No wave
		10-69	Small wave
		70-129	Medium wave
		130-189	Big wave
		190-255	Biggest wave
CH15	Red Dimmer	0-255	Dimmer laser output power from 100% to 0%
CH16	Green	0-255	Dimmer laser output power from 100% to 0%

CH17	Blue Dimmer	0-255	Dimmer laser output power from 100% to 0%
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Note:

1. This system only support short file, file (include file folder), mostly combine by 8 files and 3 extensions, file name and extension make by letter, number and underline. File name not more than 8 status, no Chinese, or the file system can not identify.
2. SD card need to special use for each light, please don't mixed storage with others. SD card mostly can support 20 files, every files mostly can stock 256 pcs ILDA file, 10PRG file.
3. PRG program list: user can use: text editor (notebook) to edit program list, the extension name is PRG. Program list are including play file name, play speed, play times. I SHOW identification code (i), use“;”seperation on the middle. Every line edit a program, like one program is make by file1.ild、 file2.ild、 file3.ild three files, file1.ild play speed is 12K, repeat play3 times, file2.ild play speed is 20K, play 1 time, and file 2 is edit by I SHOW software . file3.ild play speed is 18K, play 4 times, so prg1.prg like following:

File1.ild,12,3

File2.ild,20,1,i

File3.ild,18,4

When create a file, it needs to create a same name PRG document in this file, and need to add all file that need to play into that PRG document, at this moment, the editing play speed is“ILDA Mode”mode play speed.For example, when in aurora document, create a a urora.prg file. After new add ILDA file, need to add this to PRG list, so that we can accurately locate this document in ILDA mode, and play speed as your want.