

Emma laser

1.1 (View file)

If you want to play the programs in sd card,First Click "MENU/EXIT" in the upper left corner of the lcd display screen,then Click "ENTER" to select "mode select,then Click "ENTER" to select "view file", then click "MENU/EXIT", you will see three folder ,the ild ,ild2 folder all are programs folder , you can play it directly(meanwhiles there is a compressed folder named "ILDA IMAGE" is also programs folder,but you can not read it in lcd display screen directly ,you need to copy it to your computer and unzip it,then copy it back to sd card)the third folder contain ishow software ,and the manuals about how to edit picture and DMX List

1.2 (Play list)

If the "View file" contain single program, the "play list"contain play list with multiple programs

There is a play list editor in the sd card, ythere are more than 1400 kinds of amazing free programs (ild ,ild2,Compressed ilda image)in sd card, if you like some programs,you can sort them out,use the play list editor to make them into a play list,once you choose that play list to play ,the programs will play one by one automatically

1.3 (Preset effects)

If you choose this mode, it will project the built-in beam effects in machine

1.4 (DMX)

When you want to control the laser machine by dmx console,you set "DMX"mode

1.5 (Audio beat)

If you choose this mode, the laser machine will be controlled by music only,the laser show move according to music

2) Image steup(Image setup)

X mirror: select X mirror,it can change the left or right direction of the image

Y mirror:select X mirror,it can turn the image upside down

Scan Frequency: you can ajust the scanning speed here

Play speed: you can adjust the play speed here, the higher value you adjust ,the slower it play

3)Select effect

This function is only for the laser machine which installed the 3D pattern or animation firework motor mirror device inside , by which you can turn on or shut off the 3D pattern or animation firework Motor mirror device ,if the laser machine you ordered contain just beam and animation effects, you can ingore this function

4)Audio volume

This is used to adjust the music control sensitivity,the higher value it is,the laser machine is more sensitive to the music control

5)Select lanuage

In our lcd display screen,there are English, Simplified Chinese, Traditional Chinese,japanese,korea language for selection

How to change language; first you plug the machine into power, and turn it on, then you will see a line move from one end to another end, quickly press "down" button before the moving line stop, then you will enter the interface of choosing language

6) Adjust screen brightness

First you plug the machine into power, and turn it on, then keep pressing the "ENTER" button, do not let it go, then it show another interface, you find the "LCD steep" then you can adjust the brightness, once it is done, you press "MENU/EXIT" then it will ask "save changes?" , you press "ENTER" to confirm yes

7) Play list editor

8) In the "View file" there is only single program, so you need "play list editor" to combine the single programs into a play list, so that many single programs can play one by one automatically in one list

There is a play list editor in the sd card, you do not need to set up it, First: open the play list editor folder, Second: click the compressed file "play list editor", Third click "Laser play list editor.exe", then you enter into the main interface, in the left, you find out the folder where you store the ilda programs, double click that folder import the ilda programs into this "play list editor", then select program and click "confirm", then it will enter editing zone, then click "save as", then the list can be done, (image size adjustment)

There is a knob in the back panel of the machine, you can adjust the size of the image here

9) (key function)

There is key switch in the back panel, which is used to turn on and off the laser machine

10) (DMX and ILDA port)

Dmx input and output port, Set dmx mode in lcd screen first, Use dmx cable to connect dmx console

Ilda input and output port, if you have software controller, you can use ilda cable to connect with computer + software controller + laser machine directly (no need of setting in lcd screen)

11) (Adjust laser power and brightness, and choose single color)

There are three knobs in the back panel of the laser machine, you can adjust them from 0-maximum (Value 0 = no Light, maximum = maximum power and brightest color)

1, Red knob: Adjust red laser brightness (0-maximum)

2, Green knob: Adjust green laser brightness (0-maximum)

3, Blue Knob: Adjust blue laser brightness (0-maximum)

If you want to adjust into single green or red or blue or yellow or pink or orange etc

First step, turn on the laser machine, then keep pressing the <ENTER> button, do not let it go until it show another interface, you find the <Monochrome>, then select it by Press <ENTER> button, then

Press <Menu/EXIT> button, you will see <Save the change ?>, Press <ENTER> to save the

change, then you can set single color by three knobs, for example if you adjust the red and green knob to the <0>, then you can only see single blue color....

Dmx Chart

first set dmx mode(set CH1channel value),then check the function of other channels under this mode (for every channel under different mode,it has difference function

Channel	function summarize	*master switch *Total control mode selection												
	value	0	1-40	41-80	81-100	101-120	121-160	161-200	201-240	241-255				
CH1 (note2)	function	off	SD view	SD view +sound active	SD playlis	SD play list +soud active	presert effec	presert effect +sound active	DMX programming mode		DMX programming mode+sound acitve			
CH2	function summarize	(Note1)		sound active sensinty		sound active sensinty		sound active sensinty						
	value			0-255		0-255		0-255	*sound active sensinty					
	function			sound active sensinty		sound active sensinty		sound active sensinty	sound active sensinty					
CH3,CH	function summarize							*Under dmx programming mode on-off ,design selection mode (注3)						
	value							0	1-50	51-100	101-150	151-255		
CH4,CH	function							light off	travelling mod	rotation mode+	travelling mode	travelling mode+sound active		
	function summarize	*SD card folder select						*pattern select						
CH5,CH	value	0-255						0-255						
	function	select the ild file to paly			select the ist file to paly			pattern select						
CH6,CH	function summarize	*SD card folder select						*pattern size Zoom						
	value	0-255			0-255			0-63	64-95	96-127	128-159	160-191	192-223	224-255
CH7,CH	function							static size	size effectA	size effectB	size effectC	size effectD	size effectE	size effectF
	function summarize							*patern rotate						
CH8,CH	value							0-63	64-95	96-127	128-159	160-191	192-223	224-255
	function							static roate	roate effectsA	roate effectsB	roate effectsC	roate effectsD	roate effectsE	roate effectsF
CH9,CH	function summarize							*The static move in level						
	value							0-63	64-95	96-127	128-159	160-191	192-223	224-255
CH10,C	function							The static move in effectA effectB effectC effectD effectE effectF						
	function summarize							move Vertical						
CH11,C	value							0-63	64-95	96-127	128-159	160-191	192-223	224-255
	function							move Vertical	effectA	effectB	effectC	effectD	effectE	effectF
CH12,C	function summarize							*pattern zoom in level						
	value							0-63	64-95	96-127	128-159	160-191	192-223	224-255
CH13,C	function							The static move in effect A effect B effect C effect D effect E effect F						
	function summarize							*move Vertical						
CH14,C	value							0-63	64-95	96-127	128-159	160-191	192-223	224-255
	function							move vertial/static	effect A	effect B	effect C	effect D	effect E	effect F
CH15,C	function summarize							*Pattern gradually draw						
	value							0-63						
CH16,C	function							static gradually drDynamic gradually draw						
	function summarize							*pattern Node luminance						
CH17,C	value							0-255						
	function							Node luminance						
CH18,C	function summarize							*color control						
	value							0-127	128-159	160-191	192-223	224-254	255(onlyCH13)	
CH19,C	function							Static color choice colour change colour changeB colour changeC colour change Design B array(based on design A)						
	function summarize							*Filter (grating) option						
CH25	value							0-255						
	function							Filter (grating) option(note5)						

Note1:grey color section in the chart means no function

Note2:If the channel has 2 channel number,that means the former one is control channel number for pattern A, for example,CH3, the latter one is for pattern B,for example CH14

Note 3:out of bounds mode in each section,the Minimum values has 5 values,Design will narrow,for example 51,102 etc

Note4:every dynamic effects In this segment,the bigger of the channel value,the faster the movement

Note 5:this is channel is divided according to the different section ,it match with different grating,the section may be divided differently because fo different machine ,for these machien which do not contain grating,this channel is useless