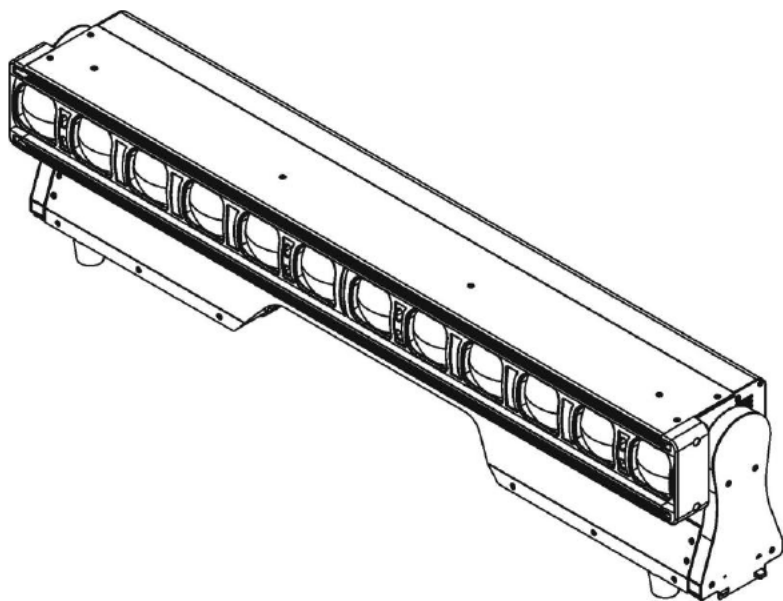


ZIBA BAR 1240

User Manual



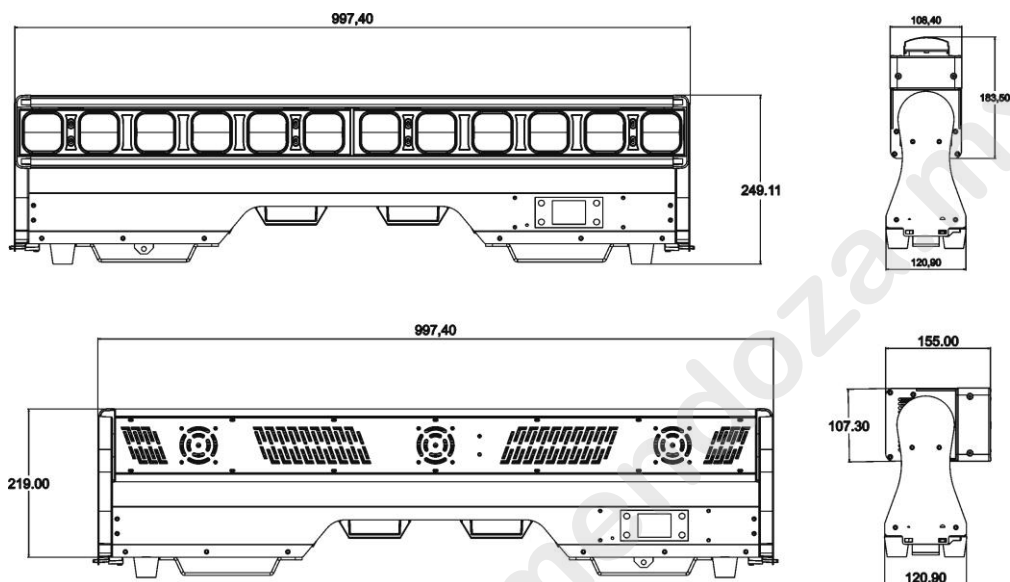
 **OSTEN**

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Dimensions

All dimensions are in millimeters



Before Using

What's inside

- Equipment x 1
- Power cable wth Plug x 1
- U er manual x 1
- Iron holder x 2

Open Instruction



Help preserve the environment! Ensure that this product is recycled at the end of its life. Your supplier can give details of local arrangements for the disposal of products.

Please open the equipment carefully ,and check all the spare parts are included or not.If any part of the cause of the failure due to improper transportation or carton,please keep the packing materials and immediately inform the shipper to check.If the equipment must be returned to the factory,the equipment should be use the original carton and packaging.

AC Power Supply

The equipment power supply is able to adapt to the wide input voltage. ea e confirm the input voltage is in the scale of rated voltage. The equipment can adapt to100V-240V AC oltage, Frequency50-60HZ. It can not run a rheostat(variable resistor) or dimmer circuits.

Safety Instruction



WARNING!

Please read these instructions carefully, which includes important information about the installation, usage and maintenance of this product..

The following symbols are used to identify important safety information on the product and in this manual:



DANGER!
Safety hazard.
Risk of severe
injury or death



DANGER!
Hazardous
Voltage. Risk of
lethal or severe
electric shock.



WARNING!
Fire hazard



WARNING!
LED light
emission. Risk
of eye injury.



WARNING!
Refer to user

This product is I level protection equipment,so it is must be connected well and connected by the professional people.

- Make sure the voltage don't be above or below which the user manual rated values.
- Confirm the power cord is not a sword cut or damaged.
- Must be cut off the power supply in the condition of no using or cleaning.
- Only allowed with the power cord plug connection.Please do not force when unplug the power cord

to pull the plug.。

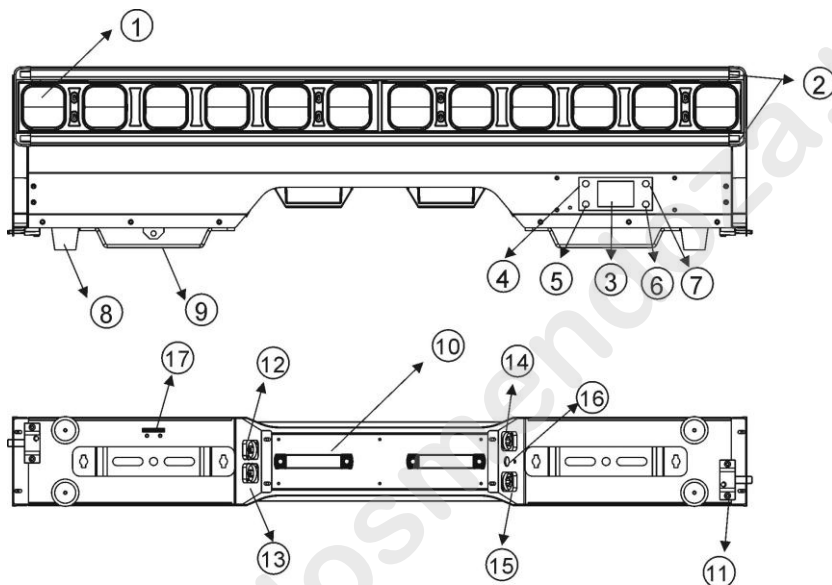
- Be careful in the process of installation of equipment. Avoid touching the bare wire, otherwise it will suffer fatal shocks.。
- Don't look the light source directly, otherwise it will hurt the eyes.
- When choosing installation position of equipment and the equipment must be more than 0.5m distance between objects.
- Please use the equipment wires appropriate.
- Without the manufacturer's authorization or laypeople don't remove, repair and modification of equipment.
- The maximum operating temperature is 40℃, don't operate the equipment when it is over 40℃
- Do not connect the equipment to the dimmer equipment

Introduction

- Power Voltage: 100-240V~ 50/60Hz
- Power Consumption: 600W
- Light Source: ※12x40W RGBW LEDs(Beam)
※144x0.2W RGB LEDs(Pixel)
- Beam Angle: 3-35°(Beam) , 120°(Pixel)
- Dimmer/Strobe: 0-100% smooth dimming; stand ng strobe effect with variable speed
- Tilt 195° .
- Control DMX Channel : 33/72/106/118Channels
- Control Mode: DMX512/RDM
- Firmware Upgrade via DMX lin
- Display: 2-inch TFT color display
- Battery backup for use setup without mains connection
- Data In/Out: 3 pin XLR input and output
- Power In Out: Power Connector input and output
- Protection Rating: IP20
- Features: ※With zoom and Pixel functions.
 - ※Beam section: 12 x40W RGBW LEDs with individual control
 - ※Pixel section: 144 x0.2W RGB LEDs zones with individual control
 - ※Outstanding color mixing effect Supplied with two omega brackets
- Dimensions: 997.4x155xmm
- Net weight: 16.3kg

- Packing: Fight case(1pack of four)
- Fight case size: 1060x750x600mm
- Fight case weight:36kg
- Fight case weight:108kg(1pack of four)

Product Introduction

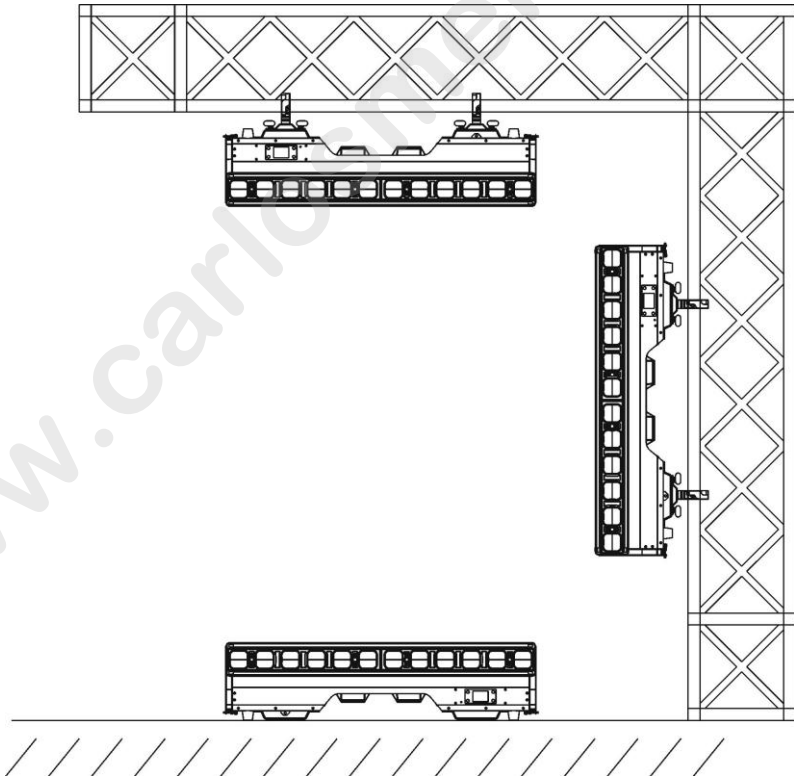


- | | |
|-----------------|--------------------|
| ① Beam LEDs | ⑩ Carrying handles |
| ② Pixel LEDs | ⑪ Pin lock |
| ③ LCD Display | ⑫ DMX OUT |
| ④ Menu-button | ⑬ DMX IN |
| ⑤ Enter-button | ⑭ Power output |
| ⑥ Down-button | ⑮ Power input |
| ⑦ UP-button | ⑯ Fuse |
| ⑧ Foot pad | ⑰ Safety plug |
| ⑨ Omega bracket | |

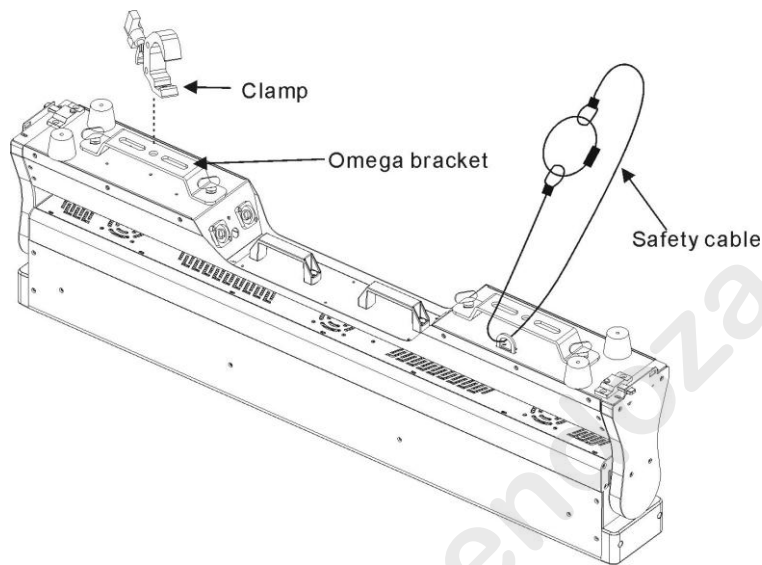
Installation

Installation Requirements

- This equipment can be used in many places, it can hang and put on the ground.
- Choosing a suitable place to put or hang the equipment when installation. Must be use the special screws and hook to make sure the lamp's weight is in the weight range.
- When installing the equipment, ensure no inflammable and explosive goods at 0.5 meter distance.
- Please ask the professionals to install the equipment, any improper installation will cause personal injury or material damage.
- To prevent others entering the working areas below, the installation or maintenance of equipment with suitable and stable platform.
- The equipment must be placed in ventilated place, at least 50 cm from the ground, please ensure that the vent without clogging.



Steps for installing omega brackets to the fixture



Power supply connection

The equipment can be used in the wide voltage input. Please make sure the voltage is the scale of rated voltage when connecting the power. The equipment can adapt to 100V to 240 V AC voltage and 50-60 Hz.

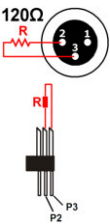
Core (EU)	Core (US)	Connection	Plug Terminal Marking
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	

DMX Signal Connection

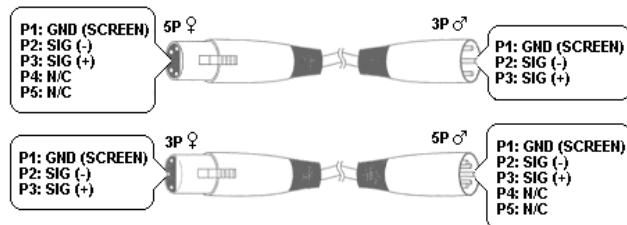
1. Use DMX 12 controller, use the DMX signal (male) to plug into the first light(female) 3 pin.
2. Put out of the equipment of the first signal wire(head),connected to the equipment of the next 3 pin plug(female),so on.See belowed pictures.



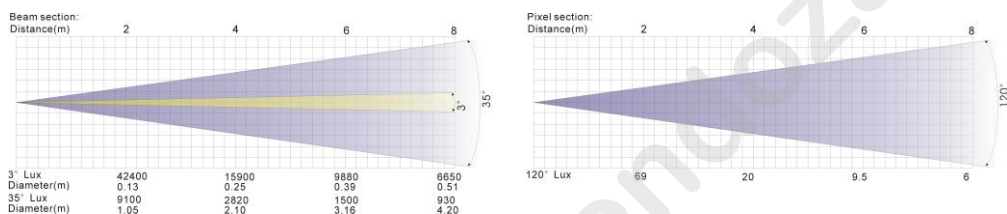
terminator



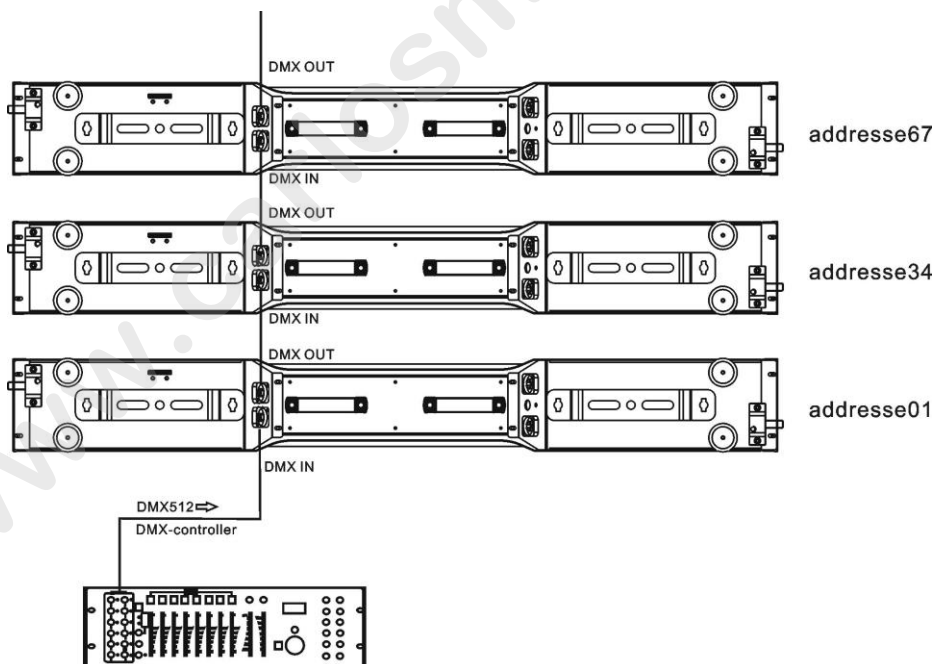
How to turn the controller line from 3-pins into 5-pins (plug and socket).



Photometric Diagram:

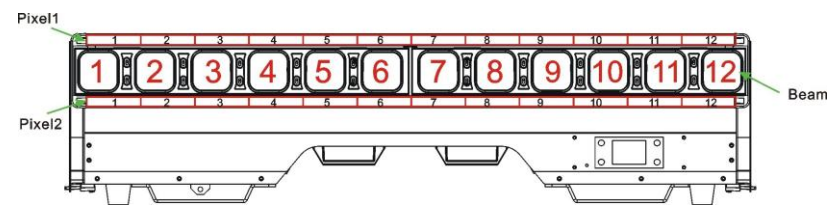


DMX Address setting

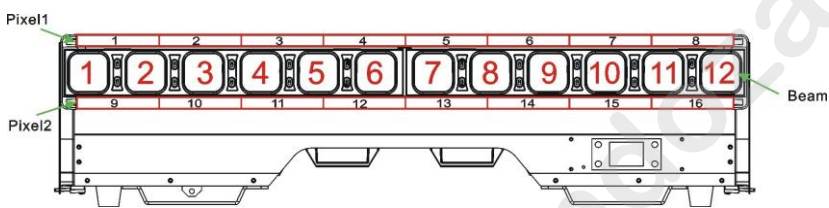


Pixel Mapping

106CH



118CH



Operating Instruction

Control board function

Button	Function
MENU	Choose MENU or function exit
ENTER	Current show menu o nte into the current selected function
UP	Increase the val e
DOWN	Decrease th value

- If one of the DMX operating MENUS is activated and there is no DMX signal at the DMX input, the display starts to flash after a few second .
- After approximately 30 seconds of inactivity, the display will automatically show the currently active operating MENU.
- Fast Acces Feature: In order to simplify the menu guide, the device has an intelligent menu structure which allows menu and sub-menu items that we ast selected to be accessed directly. 1. Pressing MENU and ENTER simultaneously will take you dir c y to the sub-menu item that was last edited and allows you to instantly change the corresponding value as desired (DMX start address and all operating MENUS). 2. Pressing MENU will take you directly to the menu item that was last selected and edited; now press ENTER to instantly access the sub-menu item that was selected and edited last (DMX start address and all operating MENUS).

Main functions

- To access the control menus, press the [MENU] button.
- Navigate the menu structure, using the [ENTER], [UP] and [DOWN] buttons.
- To select a menu option or to confirm a selection, press the [ENTER] button.
- To return to a higher level in the menu structure without making a change, press the [MENU] button, or wait 30 seconds.

The main functions are shown below:

Level 0	Level 1	Level 2	Level 3	Defaults	Remarks
Address	001-512			001	
Setup	Run Mode	DMX		Dmx	
		Auto1			
		Auto2			
		Sound			
	Channel Mode	33Ch		33ch	
		72Ch			
		106Ch			
		118Ch			
	Invert Pan	ON		Off	
		OFF			
	Invert Tilt	ON		Off	
		OFF			
	Invert Pixel	ON		Off	
		OFF			
	Encord Crct	ON		On	
		OFF			
	Signal Keep	ON		On	
		OFF			
	Screen Saver	ON		On	
		OFF			
	Invert Screen	ON		On	
		OFF			

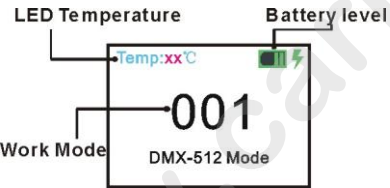
		Auto			
	Update slave	ON		On	
		OFF			
	Language	EN		EN	
		中文			
	Dimmer Curve	Curve1		Curve2	
		Curve2			
		Curve3			
		Curve4			
	Dimmer Speed	Smooth		Fast	
Fast					
Screen Lock	ON	Key lock closure, s th key lock opens, display screen backlight 0 se nds out, button is locked, need operation b ttons, first to ENTER a password to unlo EN ER the password to operation display panel buttons UP, DOWN, UP, DOWN, press ENTER to unlock,			
	OFF	Key lock closure			
Load Default	OK		OK		
	Cancel				
Manual	1.Tilt	0-255		000-255	
	2.Tilt Fine	0-255			
	3.Focus1	0-255			
	4.Focu 2	0-255			
	5.Tilt Speed	0-255			
	6.Dimmer	0-255			
	7.Dimmer Fine	0-255			
	8.Strobe	0-255			
	9.R	0-255			
	10.R Fine	0-255			
	11.G	0-255			
	12.G Fine	0-255			
	13.B	0-255			

	14.B Fine	0-255			
	15.W	0-255			
	16.W Fine	0-255			
	17.Macro Colour	0-255			
	18.Effect All	0-255			
	19.Speed All	0-255			
	20.Effect	0-255			
	21.Speed	0-255			
	22.Background R	0-255			
	23.Background G	0-255			
	24.Background B	0-255			
	25.Background W	0-255			
	26.LED Dimmer	0-255			
	27.LED Strobe	0-255			
	28.LED Red	0-255			
	29.LED Green	0-255			
	30.LED Blue	0-255			
	31.LED Effect	0-255			
	32.LED Eff Spd	0-255			
	33.Reset	0-255			
Calibration	TILT	0-255			
	Focus1	0-255			
	Focus2	0-255			
	Power	0-255			
	Balance-Red	0-255			
	Balance-Green	0-255			
	Balance-Blue	0-255			
	Balance-White	0-255			
	Balance1-Red	0-255			
	Balance1-Green	0-255			
	Balance1-Blue	0-255			
	Balance1-White	0-255			
					

	Balance12-Red	0-255			
	Balance12-Green	0-255			
	Balance12-Blue	0-255			
	Balance12-White	0-255			
	MIC Sense	0-255			
	Change Password	New word:xxx x			
Reset	Reset Effect				
	Reset Scan				
	Reset All				
Note	Reset Info >>				
	DMX Date >>				
	Sensor Info >>				
	Hardware:xx.xx.xx				
	Software:xx.xx.xx				

Menu Instruction:

MAIN DISPLAY



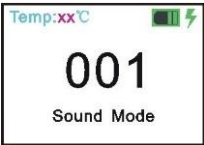
MAIN DISPLAY DMX MENU

In the uppe line of the display,the DMX (33/72/106/118CH,)is display and the DMX start address is prominently show in the centre(for example DMX33Ch and ADDRESS 001).As soon as the DMX signal is interrupted,the disp ay starts flashing; if the DMX signal is present again,the display stops flashing.



MAIN DISPLAY Sound MENU

In the upper line the display,the preset DMX is displayed and “ Sound”is prominently shown in the center. As soon as the control signal is interrupted, the display starts flashing;if the control signal is present again, the display stops flashing.



SETTING THE DMX START ADDRESS(ADDRESS)

Pressing MENU will take you the selection menu for system setting.Using UP and DOWN select the menu item“DMX ADDRESS”(colored background)and confirm with ENTER.This is followed by th display of the menu item“Set DMX Address and Set NET Address”.Press ENTER again to select the DMX start address as desired button using the UP and DOWM button. Confirm with ENTER and Press M NU twice to return to the main display.The main display is automatically activated if no input is made within a out 30 seconds.

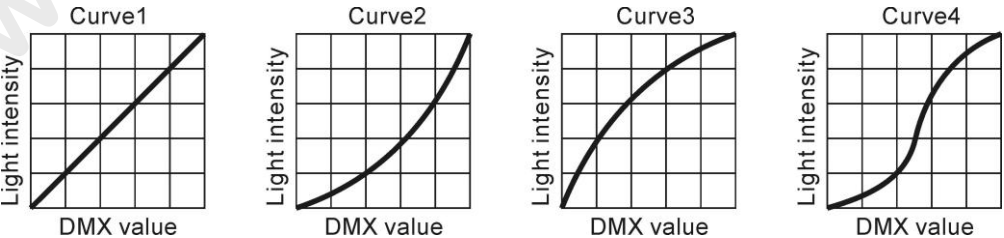


SETTING THE AUTOMATIC CONTROL MENU(Auto)

Pressing MENU will take you to the selection me u for system settings. Using UP and DOWN, select the menu item “MENU” (colored background) and con m with ENTER. Now use the UP and DOWN buttons once more to select the “Auto”sub-menu item and onfirm button pressing ENTER, Using UP and DOWN , you can now select between Auto additional sub-m nu it ms “Auto Program” and “Auto Speed” .Select “Auto Program1-10” , Press ENTER again to select the auto speed(000-255) as desired button using the UP and DOWM button.



DIMMER CURVES



DMX Channel Table

33C H	Function	DMX Value	Description
1	Tilt	0-255	0-270°
2	Tilt fine	0-255	0-1°
3	Focus1	0-255	From wide to narrow
4	Focus2	0-255	From wide to narrow
5	Tilt Speed	0-255	From fast to slow
6	Master Dimmer	0-255	0-100%
7	Master Dimmer Fine	0-255	0-100%
8	Strobe	0-3	Open
		4-100	Strobe 0-20HZ
		101-150	Ramp strobe
		151-200	Sharp strobe
		201-250	Random Strobe

		251-255	Open
9	Red Dimmer	0-255	0-100%
10	Red Fine	0-255	0-100%
11	Green Dimmer	0-255	0-100%
12	Green Fine	0-255	0- 00%
13	Blue Dimmer	0-255	0-100%
14	Blue Fine	0-255	0-100%
15	White Dimmer	0-255	0-100%
16	White Fine	0-255	0-100%
17	Beam color macro	0-9	No function
		10	Red
		11	Green
		12	Blue

		13	Cyan
		14	Yellow
		15	Magenta
		16	White 7000k
		17	White 3700k
		18	White 5000k
		19	B ack
		20-22	Medium Yellow
		23-26	Straw Tint
		27-28	Surprise Peach
		29	Fire
		30	Medium Amber
		31	Gold Amber
		32-34	Dark Amber
		35-44	Sunrise Red
		45	Light Pink
		46-48	Medium Pink

		49-61	Pink Carnation
		62-67	Light Lavender
		68-77	Lavender
		78-88	Sky Blue
		89-99	Just Blue
		100-109	Dark yellow green
		110-111	Spring Yellow
		112	Light Amber
		113	Straw
		114	Deep Amber
		115-116	Orange
		117	Light Rose
		118	English Rose
		119	Light Salmon
		120	Middle Rose
		121-122	Dark Pink
		123-124	Magenta

		125	Peacock Blue
		126	Med Blu Green
		127	Steel Blue
		128	Light Blue
		129-130	Dark Blue
		131-133	Leaf Green
		134-135	Dark Green
		136-137	Mauve
		138-141	Bright Pink
		142-144	Medium Blue
		145	Deep Golden Amber
		146	Pale Lavender
		147-148	Special lavender
		149-150	Primary Green
		151-156	Bright Blue
		157-161	Apricot
		162-167	Pale Gold

		168-171	Deep Orange
		172-173	Bastard Amber
		174	Flame Red
		175-178	Daylight Blue
		179	Lilac Tint
		180-183	Deep lavender
		184-190	Dark Steel Blue
		191-206	Congo Blue
		207	Alice Blue
		208	Dirty White
		209-255	White
18	Effect1	0-6	No function
		7-13	Show 1
		14-20	Show 2
		...	...
		238-244	Show 34
		245-251	Show 35

		252-255	Show 36
19	Effect1 Speed	0-127	Forward speed from slow to fast
		128-255	reverse speed from slow to fast
20	Effect2	0-4	No function
		5-9	Show 1
		10-14	Show 2
		...	...
		240-244	Show 48
		245-249	Show 49
		250-255	Show 50
21	Effect2 Speed	0-127	Forward running speed from slow to fast
		128-255	reverse running speed from slow to fast
22	Beam Red Dimmer	0-255	0-100%
23	Beam Green	0-255	0-100%

	Dimmer		
24	Beam Blue Dimmer	0-255	0-100%
25	Beam White Dimmer	0-255	0-100%
26	Pixel RGB Dimmer	0-255	Linear dimme from dark to bright
27	Pixel Strobe	0-3	Open
		4-100	Strobe0-20HZ
		101-150	Ramp strobe
		151-200	Sharp strobe
		201-250	Random Strobe
		251-255	Open
28	Pixel Red	0-255	Linear dimmer from dark to bright
29	Pixel Green	0-255	Linear dimmer from dark to bright

30	Pixel Blue	0-255	Linear dimmer from dark to bright
31	Pixel Effect	0-4	No function
		5-9	Effect 1
		10-14	Effect 2
		...	5 numbers, 1 effect
		250-255	Effect 50
32	Pixel Effect Speed	0-127	Forward speed from slow to fast
		128-255	reverse speed from slow to fast
33	Reset	0-10	No function
		11-19	Invert Tilt on (Hold 5s)
		20-29	Invert Tilt off (Hold 5s)
		30-39	Dimmer curve1
		40-49	Dimmer curve2
		50-59	Dimmer curve3
		60-69	Dimmer curve4
		70-79	Dimmer speed slow

		80-89	Dimmer speed fast
		90-99	No function
		100-109	Tilt reset
		110-119	Zoom reset
		120-129	No function
		130-139	All reset
		140-255	No function

72C H	Function	DMX Value	Description
1	Tilt	0-255	0-270°
2	Tilt fine	0-255	0-1°
3	Tilt Speed	0-255	From fast to slow
4	Focus1	0-255	From wide to narrow
5	Focus2	0-255	From wide to narrow
6	Master Dimmer	0-255	0-100%

7	Strobe	0-3	Open
		4-100	Strobe 0-20HZ
		101-150	Ramp strobe
		151-200	Sharp strobe
		201-250	Random Strobe
		251-255	Open
8	Red Dimmer	0-255	0-100%
9	Red Fine	0-255	0-100%
10	Green Dimmer	0-255	0-100%
11	Green Fine	0-255	0-100%
12	Blue Dimmer	0-255	0-100%
13	Blue Fine	0-255	0-100%
14	White Dimmer	0-255	0-100%

15	White Fine	0-255	0-100%
16	Beam color macro	0-9	No function
		10	Red
		11	Green
		12	Blue
		13	Cyan
		14	Yellow
		15	Magenta
		16	White 7000k
		17	White 3700k
		18	White 5000k
		19	Black
		20-22	Medium Yellow
		23-26	Straw Tint
		27-28	Surprise Peach
		29	Fire
		30	Medium Amber

		31	Gold Amber
		32-34	Dark Amber
		35-44	Sunrise Red
		45	Light Pink
		46-48	Medium Pink
		49-61	Pink Carnat on
		62-67	Light Lavender
		68-77	Lavender
		78-88	Sky Blue
		89 99	Just Blue
		100-109	Dark yellow green
		110-111	Spring Yellow
		112	Light Amber
		113	Straw
		114	Deep Amber
		115-116	Orange
		117	Light Rose

		118	English Rose
		119	Light Salmon
		120	Middle Rose
		121-122	Dark Pink
		123-124	Magenta
		125	Peacock Blue
		126	Med Blu Green
		127	Steel Blue
		128	Light Blue
		129 130	Dark Blue
		131-133	Leaf Green
		134-135	Dark Green
		136-137	Mauve
		138-141	Bright Pink
		142-144	Medium Blue
		145	Deep Golden Amber
		146	Pale Lavender

		147-148	Special lavender
		149-150	Primary Green
		151-156	Bright Blue
		157-161	Apricot
		162-167	Pale Gold
		168-171	Deep Orange
		172-173	Bastard Amber
		174	Flame Red
		175-178	Daylight Blue
		179	Lilac Tint
		180-183	Deep lavender
		184-190	Dark Steel Blue
		191-206	Congo Blue
		207	Alice Blue
		208	Dirty White
		209-255	White
17	LED1-R	0-255	LED1 Red Dimmer from dark

			to bright
18	LED1-G	0-255	LED1 Green Dimmer from dark to bright
19	LED1-B	0-255	LED1 Blue Dimmer from dark to bright
20	LED1-W	0-255	LED1 White Dimmer from dark to bright
21	LED2-R	0-255	LED2 Red Dimmer from dark to bright
22	LED2-G	0-255	LED2 Green Dimmer from dark to bright
23	LED2-B	0-255	LED2 Blue Dimmer from dark to bright
24	LED2-W	0-255	LED2 White Dimmer from dark to bright
25	LED3-R	0-255	LED3 Red Dimmer from dark to bright

26	LED3-G	0-255	LED3 Green Dimmer from dark to bright
27	LED3-B	0-255	LED3 Blue Dimmer from dark to bright
28	LED3-W	0-255	LED3 White Dimmer from dark to bright
29	LED4-R	0-255	LED4 Red Dimmer from dark to bright
30	LED4-G	0-255	LED4 Green Dimmer from dark to bright
31	LED4-B	0-255	LED4 Blue Dimmer from dark to bright
32	LED4-W	0-255	LED4 White Dimmer from dark to bright
33	LED5-R	0-255	LED5 Red Dimmer from dark to bright
34	LED5-G	0-255	LED5 Green Dimmer from dark

			to bright
35	LED5-B	0-255	LED5 Blue Dimmer from dark to bright
36	LED5-W	0-255	LED5 White Dimmer from dark to bright
37	LED6-R	0-255	LED6 Red Dimmer from dark to bright
38	LED6-G	0-255	LED6 Green Dimmer from dark to bright
39	LED6-B	0-255	LED6 Blue Dimmer from dark to bright
40	LED6 W	0-255	LED6 White Dimmer from dark to bright
41	LED7-R	0-255	LED7 Red Dimmer from dark to bright
42	LED7-G	0-255	LED7 Green Dimmer from dark to bright

43	LED7-B	0-255	LED7 Blue Dimmer from dark to bright
44	LED7-W	0-255	LED7 White Dimmer from dark to bright
45	LED8-R	0-255	LED8 Red Dimmer from dark to bright
46	LED8-G	0-255	LED8 Green Dimmer from dark to bright
47	LED8-B	0-255	LED8 Blue Dimmer from dark to bright
48	LED8-W	0-255	LED8 White Dimmer from dark to bright
49	LED9-R	0-255	LED9 Red Dimmer from dark to bright
50	LED9-G	0-255	LED9 Green Dimmer from dark to bright
51	LED9-B	0-255	LED9 Blue Dimmer from dark

			to bright
52	LED9-W	0-255	LED9 White Dimmer from dark to bright
53	LED10-R	0-255	LED10 Red Dimmer from dark to bright
54	LED10-G	0-255	LED10 Green Dimmer from dark to bright
55	LED10-B	0-255	LED10 Blue Dimmer from dark to bright
56	LED10-W	0-255	LED10 White Dimmer from dark to bright
57	LED11 R	0-255	LED11 Red Dimmer from dark to bright
58	LED11-G	0-255	LED11 Green Dimmer from dark to bright
59	LED11-B	0-255	LED11 Blue Dimmer from dark to bright

60	LED11-W	0-255	LED11 White Dimmer from dark to bright
61	LED12-R	0-255	LED12 Red Dimmer from dark to bright
63	LED12-G	0-255	LED12 Green Dimmer from dark to bright
63	LED12-B	0-255	LED12 Blue Dimmer from dark to bright
64	LED12-W	0-255	LED12 White Dimmer from dark to bright
65	Pixel RGB Dimmer	0-255	Linear dimmer from dark to bright
66	Pixel Strobe	0-3	Open
		4-100	Strobe 0-20HZ
		101-150	Ramp strobe
		151-200	Sharp strobe
		201-250	Random Strobe

		251-255	Open
67	Pixel Red	0-255	Linear dimmer from dark to bright
68	Pixel Green	0-255	Linear dimmer from dark to bright
69	Pixel Blue	0-255	Linear dimmer from dark to bright
70	Pixel Effect	0-4	No function
		5-9	Effect 1
		10-14	Effect 2
		...	5 numbers, 1 effect
		250-255	Effect 50
71	Pixel Effect	0-127	Forward speed from slow to fast
	Speed	128-255	reverse speed from slow to fast
72	Reset	0-10	No function
		11-19	Invert Tilt on (Hold 5s)
		20-29	Invert Tilt off (Hold 5s)

		30-39	Dimmer curve1
		40-49	Dimmer curve2
		50-59	Dimmer curve3
		60-69	Dimmer curve4
		70-79	Dimmer speed slow
		80-89	Dimmer speed fast
		90-99	No function
		100-109	Tilt reset
		110-119	Zoom reset
		120-129	No function
		130-139	All reset
		140-255	No function

106 CH	Function	DMX Value	Description
1	Tilt	0-255	0-270°
2	Tilt fine	0-255	0-1°

3	Tilt Speed	0-255	From fast to slow
4	Focus1	0-255	From wide to narrow
5	Focus2	0-255	From wide to narrow
6	Master Dimmer	0-255	0-100%
7	Strobe	0-3	Open
		4-100	Strobe 0-20HZ
		101-150	Ramp strobe
		151-200	Sharp strobe
		201-250	Random Strobe
		251-255	Open
8	Red Dimmer	0-255	0-100%
9	Red Fine	0-255	0-100%
10	Green Dimmer	0-255	0-100%
11	Green Fine	0-255	0-100%

12	Blue Dimmer	0-255	0-100%
13	Blue Fine	0-255	0-100%
14	White Dimmer	0-255	0-100%
15	White Fine	0-255	0-100%
16	Beam color macro	0-9	No function
		10	Red
		11	Green
		12	Blue
		13	Cyan
		14	Yellow
		15	Magenta
		16	White 7000k
		17	White 3700k
		18	White 5000k
		19	Black

		20-22	Medium Yellow
		23-26	Straw Tint
		27-28	Surprise Peach
		29	Fire
		30	Medium Ambe
		31	Gold Amber
		32-34	Dark Amber
		35-44	Sunrise Red
		45	Light Pink
		46 48	Medium Pink
		49-61	Pink Carnation
		62-67	Light Lavender
		68-77	Lavender
		78-88	Sky Blue
		89-99	Just Blue
		100-109	Dark yellow green
		110-111	Spring Yellow

		112	Light Amber
		113	Straw
		114	Deep Amber
		115-116	Orange
		117	Light Rose
		118	English Rose
		119	Light Salmon
		120	Middle Rose
		121-122	Dark Pink
		123 124	Magenta
		125	Peacock Blue
		126	Med Blu Green
		127	Steel Blue
		128	Light Blue
		129-130	Dark Blue
		131-133	Leaf Green
		134-135	Dark Green

		136-137	Mauve
		138-141	Bright Pink
		142-144	Medium Blue
		145	Deep Golden Amber
		146	Pale Lavender
		147-148	Special lavender
		149-150	Primary Green
		151-156	Bright Blue
		157-161	Apricot
		162-167	Pale Gold
		168-171	Deep Orange
		172-173	Bastard Amber
		174	Flame Red
		175-178	Daylight Blue
		179	Lilac Tint
		180-183	Deep lavender
		184-190	Dark Steel Blue

		191-206	Congo Blue
		207	Alice Blue
		208	Dirty White
		209-255	White
17	LED1-R	0-255	LED1 Red Dimmer from dark to bright
18	LED1-G	0-255	LED1 Green Dimmer from dark to bright
19	LED1-B	0-255	LED1 Blue Dimmer from dark to bright
20	LED1-W	0-255	LED1 White Dimmer from dark to bright
221	LED2-R	0-255	LED2 Red Dimmer from dark to bright
22	LED2-G	0-255	LED2 Green Dimmer from dark to bright
23	LED2-B	0-255	LED2 Blue Dimmer from dark

			to bright
24	LED2-W	0-255	LED2 White Dimmer from dark to bright
25	LED3-R	0-255	LED3 Red Dimmer from dark to bright
26	LED3-G	0-255	LED3 Green Dimmer from dark to bright
27	LED3-B	0-255	LED3 Blue Dimmer from dark to bright
28	LED3-W	0-255	LED3 White Dimmer from dark to bright
29	LED4 R	0-255	LED4 Red Dimmer from dark to bright
30	LED4-G	0-255	LED4 Green Dimmer from dark to bright
31	LED4-B	0-255	LED4 Blue Dimmer from dark to bright

31	LED4-W	0-255	LED4 White Dimmer from dark to bright
33	LED5-R	0-255	LED5 Red Dimmer from dark to bright
34	LED5-G	0-255	LED5 Green Dimmer from dark to bright
35	LED5-B	0-255	LED5 Blue Dimmer from dark to bright
36	LED5-W	0-255	LED5 White Dimmer from dark to bright
37	LED6-R	0-255	LED6 Red Dimmer from dark to bright
38	LED6-G	0-255	LED6 Green Dimmer from dark to bright
39	LED6-B	0-255	LED6 Blue Dimmer from dark to bright
40	LED6-W	0-255	LED6 White Dimmer from dark

			to bright
41	LED7-R	0-255	LED7 Red Dimmer from dark to bright
42	LED7-G	0-255	LED7 Green Dimmer from dark to bright
43	LED7-B	0-255	LED7 Blue Dimmer from dark to bright
44	LED7-W	0-255	LED7 White Dimmer from dark to bright
45	LED8-R	0-255	LED8 Red Dimmer from dark to bright
46	LED8 G	0-255	LED8 Green Dimmer from dark to bright
47	LED8-B	0-255	LED8 Blue Dimmer from dark to bright
48	LED8-W	0-255	LED8 White Dimmer from dark to bright

49	LED9-R	0-255	LED9 Red Dimmer from dark to bright
50	LED9-G	0-255	LED9 Green Dimmer from dark to bright
51	LED9-B	0-255	LED9 Blue Dimmer f om dark to b ight
52	LED9-W	0-255	LED9 White D mmer from dark to bright
53	LED10-R	0-255	LED10 Red Dimmer from dark to bright
54	LED10-G	0-255	LED10 Green Dimmer from dark to bright
55	LED10-B	0-255	LED10 Blue Dimmer from dark to bright
56	LED10-W	0-255	LED10 White Dimmer from dark to bright
57	LED11-R	0-255	LED11 Red Dimmer from dark

			to bright
58	LED11-G	0-255	LED11 Green Dimmer from dark to bright
59	LED11-B	0-255	LED11 Blue Dimmer from dark to bright
60	LED11-W	0-255	LED11 White Dimmer from dark to bright
61	LED12-R	0-255	LED12 Red Dimmer from dark to bright
62	LED12-G	0-255	LED12 Green Dimmer from dark to bright
63	LED12 B	0-255	LED12 Blue Dimmer from dark to bright
64	LED12-W	0-255	LED12 White Dimmer from dark to bright
65	Pixel RGB Dimmer	0-255	Linear dimmer from dark to bright

66	Pixel Strobe	0-3	Open
		4-100	Strobe0-20HZ
		101-150	Ramp strobe
		151-200	Sharp strobe
		201-250	Random Strobe
		251-255	Open
67	Pixel Red	0-255	Linear dimmer from dark to bright
68	Pixel Green	0-255	Linear dimmer from dark to bright
69	Pixel Blue	0-255	Linear dimmer from dark to bright
70	Pixel Red1	0-255	Pixel Red1 Linear dimmer from dark to bright
71	Pixel Green1	0-255	Pixel Green1 Linear dimmer from dark to bright
72	Pixel Blue1	0-255	Pixel Blue1 Linear dimmer

			from dark to bright
73	Pixel Red2	0-255	Pixel Red2 Linear dimmer from dark to bright
74	Pixel Green2	0-255	Pixel Green2 Linear dimmer from dark to bright
75	Pixel Blue2	0-255	Pixel Blue2 Linear dimmer from dark to bright
.....			
100	Pixel Red11	0-255	Pixel Red11 Linear dimmer from dark to bright
101	Pixel Gree 11	0-255	Pixel Green11 Linear dimmer from dark to bright
102	Pixel Blue11	0-255	Pixel Blue11 Linear dimmer from dark to bright
103	Pixel Red12	0-255	Pixel Red12 Linear dimmer from dark to bright

104	Pixel Green12	0-255	Pixel Green12 Linear dimmer from dark to bright
105	Pixel Blue12	0-255	Pixel Blue12 Linear dimmer from dark to bright
106	Reset	0-10	No function
		11-19	Invert Tilt on (Hold 5s)
		20-29	Invert Tilt off (Hold 5s)
		30-39	Dimmer curve1
		40-49	Dimmer curve2
		50-59	Dimmer curve3
		60-69	Dimmer curve4
		70-79	Dimmer speed slow
		80-89	Dimmer speed fast
		90-99	No function
		100-109	Tilt reset
		110-119	Zoom reset
		120-129	No function

		130-139	All reset
		140-255	No function

118C H	Function	DMX Value	Description
1	Tilt	0-255	0-270°
2	Tilt fine	0-255	0-1°
3	Tilt Speed	0-255	From fast to slow
4	Focus1	0-255	From wide to narrow
5	Focus2	0-255	From wide to narrow
6	Master Dimmer	0-255	0-100%
7	Strobe	0-3	Open
		4-100	Strobe 0-20HZ
		101-150	Ramp strobe
		151-200	Sharp strobe
		201-250	Random Strobe

		251-255	Open
8	Red Dimmer	0-255	0-100%
9	Red Fine	0-255	0-100%
10	Green Dimmer	0-255	0-100%
11	Green Fine	0-255	0-100%
12	Blue Dimmer	0-255	0-100%
13	Blue Fine	0-255	0-100%
14	White Dimmer	0-255	0-100%
15	White Fine	0-255	0-100%
16	Beam	0-9	No function
	color	10	Red

macro	11	Green
	12	Blue
	13	Cyan
	14	Yellow
	15	Magenta
	16	White 7000k
	17	White 3700k
	18	White 5000k
	19	Black
	20-22	Medium Yellow
	23-26	Straw Tint
	27-28	Surprise Peach
	29	Fire
	30	Medium Amber
	31	Gold Amber
	32-34	Dark Amber
	35-44	Sunrise Red

		45	Light Pink
		46-48	Medium Pink
		49-61	Pink Carnation
		62-67	Light Lavender
		68-77	Lavender
		78-88	Sky Blue
		89-99	Just Blue
		100-109	Dark yellow green
		110-111	Spring Yellow
		112	Light Amber
		113	Straw
		114	Deep Amber
		115-116	Orange
		117	Light Rose
		118	English Rose
		119	Light Salmon
		120	Middle Rose

		121-122	Dark Pink
		123-124	Magenta
		125	Peacock Blue
		126	Med Blu Green
		127	Steel Blue
		128	Light Blue
		129-130	Dark Blue
		131-133	Leaf Green
		134-135	Dark Green
		136 137	Mauve
		138-141	Bright Pink
		142-144	Medium Blue
		145	Deep Golden Amber
		146	Pale Lavender
		147-148	Special lavender
		149-150	Primary Green
		151-156	Bright Blue

		157-161	Apricot
		162-167	Pale Gold
		168-171	Deep Orange
		172-173	Bastard Amber
		174	Flame Red
		175-178	Daylight Blue
		179	ilac Tint
		180-183	Deep lavender
		184-190	Dark Steel Blue
		191-206	Congo Blue
		207	Alice Blue
		208	Dirty White
		209-255	White
17	LED1-R	0-255	LED1 Red Dimmer from dark to bright
18	LED1-G	0-255	LED1 Green Dimmer from dark to bright

19	LED1-B	0-255	LED1 Blue Dimmer from dark to bright
20	LED1-W	0-255	LED1 White Dimmer from dark to bright
221	LED2-R	0-255	LED2 Red Dimmer from dark to bright
22	LED2-G	0-255	LED2 Green Dimmer from dark to bright
23	LED2-B	0-255	LED2 Blue Dimmer from dark to bright
24	LED2-W	0-255	LED2 White Dimmer from dark to bright
25	LED3-R	0-255	LED3 Red Dimmer from dark to bright
26	LED3-G	0-255	LED3 Green Dimmer from dark to bright
27	LED3-B	0-255	LED3 Blue Dimmer from dark

			to bright
28	LED3-W	0-255	LED3 White Dimmer from dark to bright
29	LED4-R	0-255	LED4 Red Dimmer from dark to bright
30	LED4-G	0-255	LED4 Green Dimmer from dark to bright
31	LED4-B	0-255	LED4 Blue Dimmer from dark to bright
31	LED4-W	0-255	LED4 White Dimmer from dark to bright
33	LED5 R	0-255	LED5 Red Dimmer from dark to bright
34	LED5-G	0-255	LED5 Green Dimmer from dark to bright
35	LED5-B	0-255	LED5 Blue Dimmer from dark to bright

36	LED5-W	0-255	LED5 White Dimmer from dark to bright
37	LED6-R	0-255	LED6 Red Dimmer from dark to bright
38	LED6-G	0-255	LED6 Green Dimmer from dark to bright
39	LED6-B	0-255	LED6 Blue Dimmer from dark to bright
40	LED6-W	0-255	LED6 White Dimmer from dark to bright
41	LED7-R	0-255	LED7 Red Dimmer from dark to bright
42	LED7-G	0-255	LED7 Green Dimmer from dark to bright
43	LED7-B	0-255	LED7 Blue Dimmer from dark to bright
44	LED7-W	0-255	LED7 White Dimmer from dark

			to bright
45	LED8-R	0-255	LED8 Red Dimmer from dark to bright
46	LED8-G	0-255	LED8 Green Dimmer from dark to bright
47	LED8-B	0-255	LED8 Blue Dimmer from dark to bright
48	LED8-W	0-255	LED8 White Dimmer from dark to bright
49	LED9-R	0-255	LED9 Red Dimmer from dark to bright
50	LED9 G	0-255	LED9 Green Dimmer from dark to bright
51	LED9-B	0-255	LED9 Blue Dimmer from dark to bright
52	LED9-W	0-255	LED9 White Dimmer from dark to bright

53	LED10-R	0-255	LED10 Red Dimmer from dark to bright
54	LED10-G	0-255	LED10 Green Dimmer from dark to bright
55	LED10-B	0-255	LED10 Blue Dimmer from dark to bright
56	LED10-W	0-255	LED10 White Dimmer from dark to bright
57	LED11-R	0-255	LED11 Red Dimmer from dark to bright
58	LED11-G	0-255	LED11 Green Dimmer from dark to bright
59	LED11-B	0-255	LED11 Blue Dimmer from dark to bright
60	LED11-W	0-255	LED11 White Dimmer from dark to bright
61	LED12-R	0-255	LED12 Red Dimmer from dark

			to bright
62	LED12-G	0-255	LED12 Green Dimmer from dark to bright
63	LED12-B	0-255	LED12 Blue Dimmer from dark to bright
64	LED12-W	0-255	LED12 White Dimmer from dark to bright
65	Pixel RGB Dimmer	0-255	Linear dimmer from dark to bright
66	Pixel Strobe	0 3	Open
		4-100	Strobe0-20HZ
		101-150	Ramp strobe
		151-200	Sharp strobe
		201-250	Random Strobe
		251-255	Open
67	Pixel Red	0-255	Linear dimmer from dark to bright

68	Pixel Green	0-255	Linear dimmer from dark to bright
69	Pixel Blue	0-255	Linear dimmer from dark to bright
70	Pixel Red1	0-255	Pixel Red1 Linear dimmer from dark to bright
71	Pixel Green1	0-255	Pixel Green1 Linear dimmer from dark to bright
72	Pixel Blue1	0-255	Pixel Blue1 Linear dimmer from dark to bright
73	Pixel Red2	0-255	Pixel Red2 Linear dimmer from dark to bright
74	Pixel Green2	0-255	Pixel Green2 Linear dimmer from dark to bright
75	Pixel Blue2	0-255	Pixel Blue2 Linear dimmer from dark to bright
.....			

112	Pixel Red15	0-255	Pixel Red15 Linear dimmer from dark to bright
113	Pixel Green15	0-255	Pixel Green15 Linear dimmer from dark to bright
114	Pixel Blue15	0-255	Pixel Blue15 Linear dimmer from dark to bright
115	Pixel Red16	0-255	Pixel Red16 Linear dimmer f om dark to bright
116	Pixel Green16	0-255	Pixel Green16 Linear dimmer from dark to bright
117	Pixel Blue16	0-255	Pixel Blue16 Linear dimmer from dark to bright
118	Reset	0-10	No function
		11-19	Invert Tilt on (Hold 5s)
		20-29	Invert Tilt off (Hold 5s)
		30-39	Dimmer curve1
		40-49	Dimmer curve2

		50-59	Dimmer curve3
		60-69	Dimmer curve4
		70-79	Dimmer speed slow
		80-89	Dimmer speed fast
		90-99	No function
		100-109	Tilt reset
		110-119	Zoom reset
		120-129	No function
		130-139	All reset
		140-255	No function



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