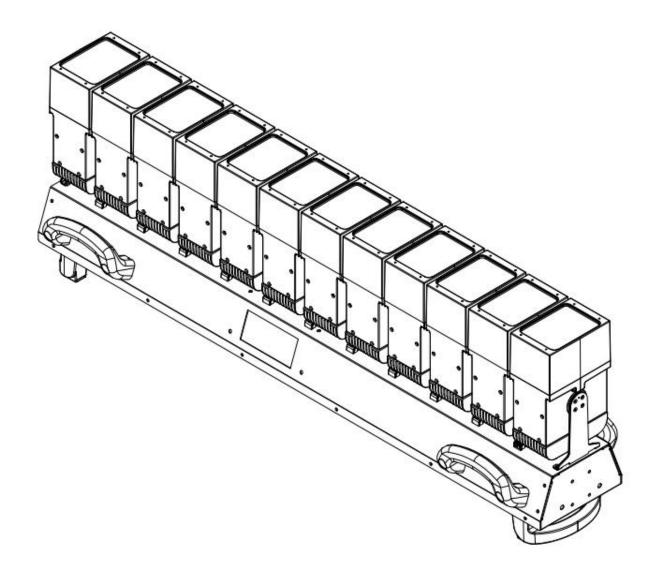
Pixel Curve 12x60W LED Beam Wash Bar Moving Head



User Manual

Please read the instructruction carfully before use

Thank you for your patronage. We are confident that our excellent products and



service can satisfy you. For your own safety, please read this user manual carefully before installing the device.

In order to install, operate, and maintain the lighting safety correctly. We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.

1. Safety Instructions



Please read the instruction carefully which includes important information about the installation, usage and maintenance.

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction manual.

Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

- Unpack and check carefully to ensure that there is no transportation damage before using the unit.
- This product is for indoor use only. Use only in a dry location.
- DO install and operate by qualified operator.
- DO NOT allow children to operate the fixture.
- Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces.
- Be sure that no ventilation slots is blocked, otherwise the unit will be overheated.
- Before operation, ensure that you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Minimum ambient temperature TA: 0°C. Maximum ambient temperature TA:
 40°C. Do not operate this product at a lower or higher temperature.



- DO NOT connect the device to any dimmer pack.
- Keep flammable materials away from the fixture while operating to avoid fire hazard.
- Make sure the power cord is not crimped or damaged; replace it immediately if damaged.
- Unit's surface temperature may reach up to 75℃. DO NOT touch the housing bare-handed during its operation.
- Avoid any flammable liquids, water or metal from entering the unit. Once it happens, cut off the mains power immediately.
- DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly.
- DO NOT touch any wire during operation as there might be a hazard of electric shock.
- Avoid entanglement of the power cord with other wires.
- The minimum distance to objects/surface must be more than 0.5 meters.
- Disconnect mains power before fuse replacement or servicing.
- Replace fuse only with the same type.
- In the event of serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.
- DO NOT open the housing as there are no user serviceable parts inside.
- DO NOT attempt to operate this unit if it becomes damaged. DO NOT attempt any repairs yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.
- Disconnect this product from its power source before servicing.
- DO use the original packaging if the device is to be transported.
- Avoid direct eye exposure to the light source while the product is on.
- DO NOT operate this product if you see damage on the housing, shields, or cables. Have the damaged parts replaced by an authorized technician at once.

Installation:

The fixture should be fixed on the clamp. Always ensure that the unit is firmly fixed to avoid vibration and slipping off during operation. Ensure that the trussing or area of installation must be able to hold 10 times the weight without any deformation. Always install a safety cable that can hold at least 12 times the weight of the fixture when installing.

DO install and operate by qualified operator. It must be installed in a place where there is out of



the reach of people.

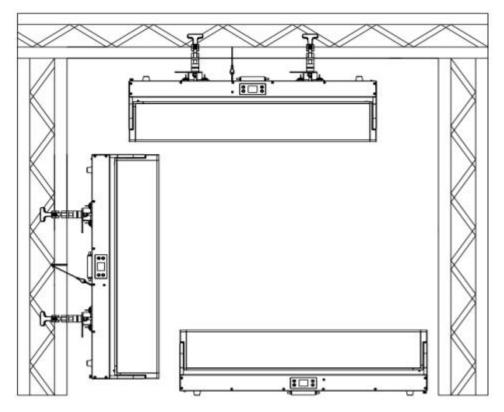


Figure 1 Schematic diagram of the lamp installation

Whatever hanging you choose, please remember to use a safety rope. The bottom of the product is equipped with a special safety rope hanging point, please refer to the above figure, and please remember to use the specially provided safety rope hanging point, do not put the safety rope in the handle position.

2.TECHNICAL PARAMETERS

Voltage: AC90-240V, 50/60Hz;

Power:1000W;

Main Light:12PCSx60W RGBW Control Mode:DMX512/Maser/Auto

DMX Channel: 20CH/53CH/101CH/155/179 DMX Channels;

Work scene: suitable for any safe indoor work scene

Built-in RDM, you can directly adjust the address code with the console

Display mode: LCD display, lamp temperature display, Chinese and English display, reverse display.

Zoom angle:4°-30°



Tilt-axis: 202° (16-bit) motor correction

Dimming level: 0-100% perfect linear dimming system

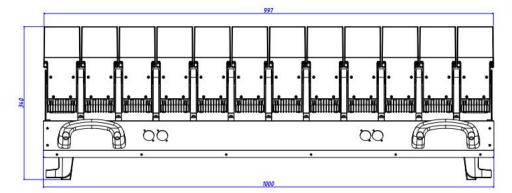
Strobe: Synchronous pulse strobe, random pulse strobe

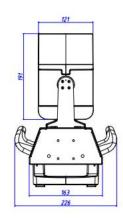
Waterproof rating: IP20, indoor use.

High temperature resistant engineering plastic case + aluminum base

Dimensions: 102*23*34cm

Net weight: 25KG





DMX-512 linkage

This lamp uses DMX512 signal control mode, and the control signal of each lamp is in parallel. When connecting the signals of multiple lamps, it is best to use dual-core shielding cable. When connecting, each lamp is connected through the DMX signal jack (Canon seat) INPUT (input) and OUTPUT (output). The 3-core XLR plug terminal of the signal line connecting the lamp must correspond to each other. When connecting the lamp signal, it is recommended to use the DMX signal terminal. To damaging the control signal due to electrical noise, the DMX signal terminal is a 120 ohm 1W resistance between the 2 and three feet of an XLR plug and connects it to the OUTPUT (output) jack of the last lamp.

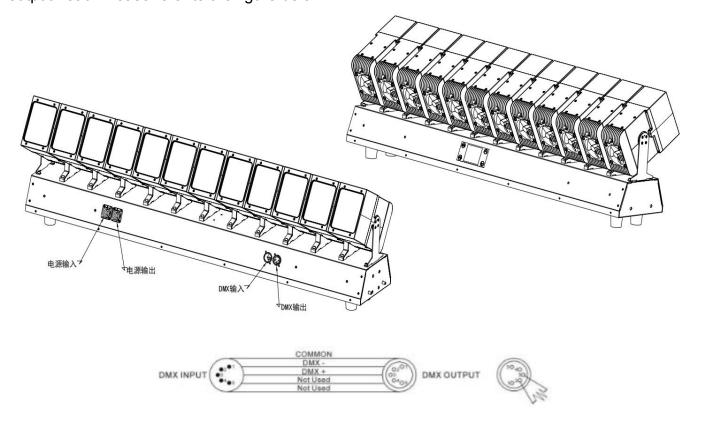
Calculation method of lamp starting address code:

The starting address code of the current lamp is equal to (the starting address code of the previous lamp) + (number of channels of the lamp) description:

- 1: Start address code value A001 of the first lamp.
- 2: The basic number of controller should be greater than or equal to the total number of lighting channels.
- 3: Note: when any controller is used, each lamp must have its own starting address code. If the starting address code of the first lamp is set A001, the pass number of the lamp is 16 CH; then the starting address code of the second lamp is set to A01 7; the starting address code of the third lamp is set to A03 3; and so on, (this setting mode should be determined by different console).



Please plug the male header of the XLR signal line into the signal output port of the controller and the master head into the signal input port on the back board of the product. You can talk about multiple products in series, the signal line needs to be three-heart, shielded, with XLR input and output head. Please refer to the figure below.



3. Address Setting

Chapter 2 Panel operation

1. Lamp panel

The lamp panel schematic diagram is shown as ingraph 3As shown:

- 1) Signal light: DMX signal light is above when the light is connected with the console. Under the lamp, red light is lit in normal condition.
- 2) Temperature: as shown in the figure, the temperature of the lamp board is 30 degrees Celsius; if the temperature shows- - °C, the temperature of the lamp is abnormal. It may break the temperature control connection line. If the temperature shows * * * °C, and the obvious difference from the ambient temperature is too large, it may be the temperature control cable short circuit. Need professionals to repair and troubleshoot, before normal use.
- 3) Address code: display range 001-512, the address code is 001.

4) DMX mode: 512 mode.

5) Key: UP: Upper key



MENU: Return to the key

ENTER: The confirmation key

DOWN: Down the key

Note: Do not use sharp or sharp display to prevent damage.

Button:

MENU	To enter into move backward or leave the menu
UP	To go backward to move up in the menu
DOWN	To go forward to move down in the menu
ENTER	To perform the desired functions

2. Menu first interface

The first interface of the menu contains 6 sub-menus. Select the corresponding sub-menu through the "UP" key and "DOWN" key, and click the "ENTER" key to enter the corresponding sub-menu interface. The first interface of the menu is shown in Figure 4:

- 1) Address: Click to enter the address code setting, and increase or reduce the address number through the "UP" key and "D OWN" address code. At this time, the address code displayed on the lamp panel will be updated synchronously.
- 2) Settings: Click to enter the system option to change the working mode, working parameters and panel display settings of the lamp.
- 3) Manual: Click to enter the manual mode to control the function of the lamp. For the specific content, see the channel table.
 - 4) Calibration: Click to enter the password to enter the system calibration mode.
 - 5) Reset: Click to enter the system reset mode and control the bulb.
- 6) Note: Click to enter to view the system error correction, hardware and software version and other information.

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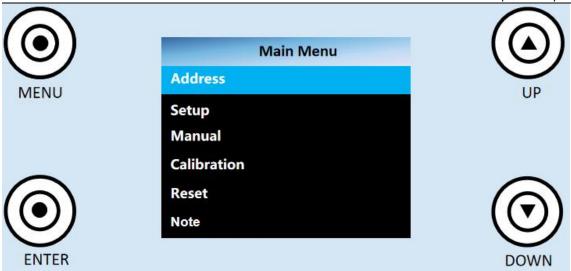


Figure 4 determines the input window

2.1 System Settings

System Setup window

System Setup	System Setup	System Setup	
Run Mode DMX	Signal Keep OFF	Dimmer Speed Smooth	
Channel Mode 20CH	Screen Saver ON	LED Set OFF	
Invert Pixel OFF	Invert ScreenOFF	Load Default	
Invert Tilt OFF	Update slave OFF		
Reserve ON	Language EN		
Encoder Crct ON	Dimmer Curve Curve2		

The system setting interface is shown in Figure 5. Enter the system setting, click "ENTER" to select the settings to be modified, then select the changed content through "UP" and "DOWN" button, and "ENTER" button to confirm and change the working mode, working parameters and Settings of the panel display. The details are shown in Table 1.

The system setting interface is shown in Figure 5. Enter the system setting, click "ENTER" to select the settings to be modified, then select the changed content through "UP" and "DOWN" button, and "ENTER" button to confirm and change the working mode, working parameters and Settings of the panel display. The details are shown in Table 1.

option	explain
work pattern	Lighting operating mode: DMX /voice control/self-walking1/self-walking 2



Dillali Tooki K		nttps://www.pro-stagelignting.com	
	DMX pattern	Console mode, receiving the DMX signal	
	Self-walking mode 1	The lamp runs automatically according to the built-in self-walk program 1	
	Self-walking mode 2	The lamp shall be run automatically according to the built-in self-walk program 2	
	Sound control mode	When the lamp detects a strong sound, the lamp automatically runs a scene according to the built-in program, otherwise maintain the last scene	
channel pattern	20CH 53CH	101CH 155CH 169CH 179CH	
	Set the pixel	direction	
Pixel reversal	close	Dont reverse	
	open	opposite direction	
	Set the Y-axis	s direction	
Vertical reversal	close	Dont reverse	
	open	opposite direction	
Reserved function 1	open/close		
Reserved function 2	Open/close		
	Output status	s of the lamp with no DMX signal	
The signal to keep	close	No signal, so the motor and the light source return to the position and state when the reset is complete	
	open	No signal, keeping the last frame of the DMX data output	
	How long the	screen is on	
Screen protection	close	Position is not corrected after the misstep	
p. c.cci.	open	Position is automatically corrected after loss of step	
Screen flip	close	The screen is positive	
	open	The screen reverse	
	voluntarily	The system can automatically rotate the screen according to the direction of gravity	
Synchronous	Synchronize	the setting parameters or calibration parameters of multiple lamps	
update	close	The synchronous update function is turned off.	



		napowww.pro dagengnang.com			
	open	After opening, connect multiple lamps with DMX cable, and the information can be updated synchronously in the setting interface and calibration interface.(Note: Remove the DMX signal wire connected to the console)			
language	the Chinese	the Chinese language /EN			
	Curve 1	straight line			
The dimming	Curve 2	Square rate curve			
curve	Curve 3	Anti-square rate curve			
	Curve 4	S curve			
The dimming	fast	Quick dimming			
speed	smoothing	Slow dimming			
	Set the lamp ID				
	close	The lamp ID editing function is disabled			
LED number	1-12	After selecting the ID to be edited and clicking "Confirm", the Y-ax will automatically enter the editing mode vertically. At this time, move the Y-axis in the direction of the screen until the red light is up, and then move the Y-axis in the opposite direction again until the red light is off, indicating that the ID of the lamp head has bee edited successfully			
factory data reset	Lighting para	meters are returned to the factory settings			
	cancel	res sic stantibus			
	affirm	Light ture to factory settings			

primary menu	Sublevel menu / parameters			
address	001 - 512	(Number of channels added each time, minus normal)		
	running mode	DMX / self walking 1 / self 2 / voice control		
	channel pattern	20CH 53CH 101CH 155CH 169CH 179CH		
System Settings	Pixel reversal	Open / close		
	Vertical reversal	Open / close		
	Reserved function	Open / close		
	Optical coupling error correction	Open / close		



	The signal to keep	Open / close		
	Screen protection	Open / close		
	Screen flip	Open / close / automatic		
	Synchronous update	Open / close		
	language	centre /EN		
	The dimming speed	Fast / smooth		
	The dimming curve	Curve 1 / curve 2 / curve 3 / curve 4		
	LED number	Pass / 1-12		
	factory data reset	Confirm / cancel		
manual mode	Current channel mode channel	0-255		
system calibration	enter password	Lighting calibration		
	Effect motor reset	Effect disk reset other than XY		
system reset	Scan the motor for reset	The XY axis was reset only		
	Full motor reset	Lamps reset		
	Reset information	Device error message		
	And DMX data monitoring	Channel values for the receiving		
		console		
system info	sensor information	Sensor status information		
	Hardware version	Displays the hardware version		
	software release	Displays the software version		

2.2 System calibration

The system calibration interface

Calibration	Calibration	Calibration	
TILT-1 127	Balance-Blue 255	Balance7-Green 255	
Focus-1 127	Balance3-White 255	Balance7-Blue255	
TILT-2 127	Balance1-Red 255	Balance7-White 255	
Focus-2 127	Balance1-Green 255	Balance8-Red 255	
TILT-3 127	Balance1-Blue255	Balance8-Green 255	
Focus-3 127	Balance1-White 255	Balance8-Blue255	
TILT-4 127	Balance2-Red 255	Balance8-White 255	

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Focus-4 127	Balance2-Green 255	Balance9-Red 255		
TILT-5 127	Balance2-Blue255	Balance9-Green 255		
Focus-5 127	Balance2-White 255	Balance9-Blue255		
TILT-6 127	Balance3-Red 255	Balance9-White 255		
Focus-6 127	Balance3-Green 255	Balance10-Red 255		
TILT-7 127	Balance3-Blue255	Balance10-Green 255		
Focus-7 127	Balance3-White 255	Balance10-Blue 255		
TILT-8 127	Balance4-Red 255	Balance10-White 255		
Focus-8 127	Balance4-Green 255	Balance11-Red 255		
TILT-9 127	Balance4-Blue255	Balance11-Green 255		
Focus-9 127	Balance4-White 255	Balance11-Blue 255		
TILT-10 127	Balance5-Red 255	Balance11-White 255		
Focus-10 127	Balance5-Green 255	Balance12-Red 255		
TILT-11 127	Balance5-Blue 255	Balance12-Green 255		
Focus-11 127	Balance5-White 255	Balance12-Blue 255		
TILT-12 127	Balance6-Red 255	Balance12-White 255		
Focus-12 127	Balance6-Green 255	MIC		
Power 255	Balance6-Blue 255	Change password		

Press "6688" to enter the system calibration interface. Change the value through the "UP" key and "DOWN" key to modify the lamp power and motor stroke parameters. The system calibration interface is shown in Figure 6, and the details are shown in Table 3.

option	explain
Initial position calibration	After entering the sub-interface, the reset position of Y-axis 1-12 motor and focusing motor 1-12 can be adjusted to compensate for the error on the hardware installation. The adjustment range is + -127 values (representing up / down / left / right), and 127 indicates no adjustment.
white balance	After entering the sub-interface, the white balance of LED1-12 can be adjusted from 0~255,255 indicating no adjustment.



power	After entering the sub-interface, the maximum power of the lamp can be adjusted, and 255 indicates the maximum power
change password	Set the system calibration password

2.3 Manual mode

Manual mode interface

Manual Drive		Manual Drive		Manual Drive	
1.Tilt	000	9. Effect Speed	000	17.Red	000
2.Tilt Fine	000	10.Effect Delay	000	18. Green	000
3. Motor Speed	000	11. Bg Color	000	19. Blue	000
4. Motor Macro	000	12. Bg Dimmer	000	20.White	000
5. Linear CTO	000	13.Dimmer	000		
6.Macro Colour	000	14.Strobe 000			
7. Pattern	000	15.Zoom 000			
8. Effect	000	16.Macro Function	000		

2.4 System reset

The system reset interface

System Reset
Reset Effect
Reset Scan
Reset All

2.5 System information

The system information interface

System Info



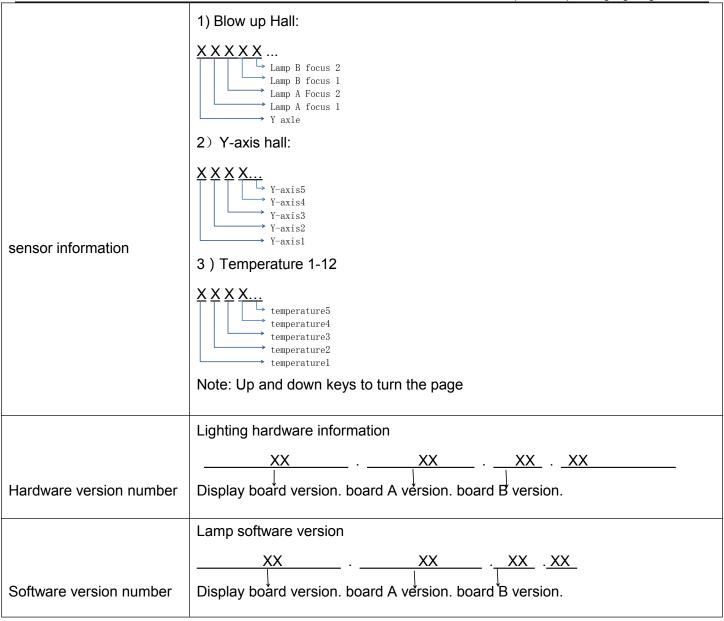
Reset Info >>		
DMX Date >>		
Sensor Info >>		
Hardware: 02.00.00.0		
Software: 01. 00. 00. 0		

Press the "ENTER" button to enter the information interface, select the "UP" button and "DOWN", and then click "ENTER" to view the corresponding content. The system calibration interface is shown in Figure 8, and the details are shown in Table 4.

option	explain			
	1) IC1 / IC2 communication fault (communication failure between light board and display board)			
Reset the error message	2) X / Y optical coupling error reporting			
	3) Focal adjustment motor reset failure			
DMX data monitoring	This enters the subinterface to display channel values for viewing			

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If you use a universal DMX controller to control the units, you have to set DMX address from 1 to 512 so that the units can receive DMX signal.

Press the MENU button to enter menu mode, select DMX Settings, press the ENTER button to confirm, use the UP/DOWN button to select DMX Address, press the ENTER button to confirm, the present address will blink in the display, use the UP/DOWN button to adjust the address from 001 to 512, press the ENTER button to store. Press the MENU button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Please refer to the following diagram to address your DMX512 channel for the first 4 units.



Channel Mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
20 channels	1	21	41	61
53 channels	1	54	107	160
101channels	1	102	203	304
155channels	1	156	311	466
179 channels	1	180	359	1

4.DMX512 Configuration

Please control the fixture by referring to the configurations below

Attentions:

- 1. The unit will maintain the last condition until reset if you cut-off the DMX signal.
- 2. For the channel Function, keep the value for about 3 seconds, then the corresponding function will take into effect.

53CH、101CH、155CH、179CH

53 CH	101 CH	155 CH	179 CH	Function	Value	Percent/Setting
1	1	1	1	Tilt 1	000 - 255	0-100%
2	2	2	2	Fine tilt 1	000 - 255	0-100%
3	3	3	3	Tilt 2	000 - 255	0-100%
4	4	4	4	Fine tilt 2	000 - 255	0-100%
5	5	5	5	Tilt 3	000 - 255	0-100%
6	6	6	6	Fine tilt 3	000 - 255	0-100%
7	7	7	7	Tilt 4	000 - 255	0-100%
8	8	8	8	Fine tilt 4	000 - 255	0-100%
9	9	9	9	Tilt 5	000 - 255	0-100%
10	10	10	10	Fine tilt 5	000 - 255	0-100%
11	11	11	11	Tilt 6	000 - 255	0-100%
12	12	12	12	Fine tilt 6	000 - 255	0-100%

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13	13	13	13	Tilt 7	000 - 255	0-100%
14	14	14	14	Fine tilt 7	000 - 255	0-100%
15	15	15	15	Tilt 8	000 - 255	0-100%
16	16	16	16	Fine tilt 8	000 - 255	0-100%
17	17	17	17	Tilt 9	000 - 255	0-100%
18	18	18	18	Fine tilt 9	000 - 255	0-100%
19	19	19	19	Tilt 10	000 - 255	0-100%
20	20	20	20	Fine tilt 10	000 - 255	0-100%
21	21	21	21	Tilt 11	000 - 255	0-100%
22	22	22	22	Fine tilt 11	000 - 255	0-100%
23	23	23	23	Tilt 12	000 - 255	0-100%
24	24	24	24	Fine tilt 12	000 - 255	0-100%
25	25	25	25	Tilt speed	000 - 255	Fast to slow
					000 - 004	No function
26	26	26	26	Tilt macro	005 - 255	see Tilt Macro
				07. 070	000	No function
27	27	27	27	СТС	001 - 255	From 19000K to 2700K
20	20	20	20	Calar maara	000	No function
28	28	28	28	Color macro	001 - 255	see Color Chart
29	29	29	29	Pattern (see Pattems)	000	No function
23	23	23	23	Tattern (occ Fatterns)	001 - 002	Pattern 1-255
30	30	30	30	LED built-in	000 - 015	No function
				223 3411 111	016 - 255	see LED Macro
					000 - 127	Fast to slow
31	31	31	31	LED built-in speed	128	Stop
					129 - 255	Slow to fast
32	32	32	32	LED built-in delay	000 - 255	Fast to slow
33	33	33	33	Background color	000	No function
					001 - 255	see Color Chart
34	34	34	34	Background color dimmer	000 - 255	0-100%
-	-	35	35	Background color fine dimmer	000 - 255	0-100%
35	35	36	36	Dimmer	000 - 255	0-100%
-	-	37	37	Fine dimmer	000 - 255	0-100%
36	36	38	38	Strobe	000 - 019	Off
				1	1	1

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				T		Tittps://www.pro-stagelighting.com
					020 - 255	see Strobe Settings
37	37	39	39	Zoom 1	000 - 255	0-100%
38	38	40	40	Zoom 2	000 - 255	0-100%
39	39	41	41	Zoom 3	000 - 255	0-100%
40	40	42	42	Zoom 4	000 - 255	0-100%
41	41	43	43	Zoom 5	000 - 255	0-100%
42	42	44	44	Zoom 6	000 - 255	0-100%
43	43	45	45	Zoom 7	000 - 255	0-100%
44	44	46	46	Zoom 8	000 - 255	0-100%
45	45	47	47	Zoom 9	000 - 255	0-100%
46	46	48	48	Zoom 10	000 - 255	0-100%
47	47	49	49	Zoom 11	000 - 255	0-100%
48	48	50	50	Zoom 12	000 - 255	0-100%
49	49	51	51	Control	000 - 009	No function
49	49	31	31	Control	010 - 255	see Control Settings
50	50	52	52	Red Cyan	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	53	53	Fine red Fine cyan	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
51	51	54	54	Green Magenta	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	55	55	Fine green Fine magenta	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
52	52	56	56	Blue Yellow	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
_	-	57	57	Fine blue Fine yellow	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
53	53	58	58	White	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	59	59	Fine white	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	-	60	Dimmer 1	000 - 255	0-100%
_	-	-	61	Fine dimmer 1	000 - 255	0-100%
-	54	60	62	Red 1 Cyan 1	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	61	63	Fine red 1 Fine cyan 1	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
_	55	62	64	Green 1 Magenta 1	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	63	65	Fine green 1 Fine magenta 1	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	56	64	66	Blue 1 Yellow 1	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
_	-	65	67	Fine blue 1 Fine yellow 1	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
_	57	66	68	White 1	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	67	69	Fine white 1	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	1	L	<u> </u>	1	<u> </u>	1



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-	-	70	Dimmer 2	000 - 255	0-100%
-	-	71	Fine dimmer 2	000 - 255	0-100%
58	68	72	Red 2 Cyan 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	69	73	Fine red 2 Fine cyan 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
59	70	74	Green 2 Magenta 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	71	75	Fine green 2 Fine magenta 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
60	72	76	Blue 2 Yellow 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	73	77	Fine blue 2 Fine yellow 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
61	74	78	White 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	75	79	Fine white 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	80	Dimmer 3	000 - 255	0-100%
-	-	81	Fine dimmer 3	000 - 255	0-100%
62	76	82	Red 3 Cyan3	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	77	83	Fine red 3 Fine cyan 3	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
63	78	84	Green 3 Magenta 3	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	79	85	Fine green 3 Fine magenta 3	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
64	80	86	Blue 3 Yellow 3	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	81	87	Fine blue 3 Fine yelow 3	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
65	82	88	White 3	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	83	89	Fine white 3	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	90	Dimmer 4	000 - 255	0-100%
-	-	91	Fine dimmer 4	000 - 255	0-100%
66	84	92	Red 4 Cyan 4	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	85	93	Fine red 4 Fine cyan 4	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
67	86	94	Green 4 Magenta 4	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	87	95	Fine Green 4 Fine Magenta 4	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
68	88	96	Blue 4 Yellow 4	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	89	97	Fine blue 4 Fine yellow 4	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
69	90	98	White 4	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	91	99	Fine white 4	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	100	Dimmer 5	000 - 255	0-100%
-	-	101	Fine dimmer 5	000 - 255	0-100%
70	92	102	Red 5 Cyan 5	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	1	1	T. Control of the Con	1	- 1



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- -		93	103	Fine red 5 Fine cyan 5	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	71	94	104	Green 5 Magenta 5	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
- -		95	105	Fine green 5 Fine magenta 5	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
- :	72	96	106	Blue 5 Yellow 5	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
- -		97	107	Fine blue 5 Fine yellow 5	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	73	98	108	White 5	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
- -		99	109	Fine white 5	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
- -		-	110	Dimmer 6	000 - 255	0-100%
- -		-	111	Fine dimmer 6	000 - 255	0-100%
. :	74	100	112	Red 6 Cyan 6	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
- -		101	113	Fine red 6 Fine cyan 6	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	75	102	114	Green 6 Magenta 6	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
		103	115	Fine green 6 Fine magenta 6	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	76	104	116	Blue 6 Yellow 6	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
- -		105	117	Fine blue 6 Fine yellow 6	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	77	106	118	White 6	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
		107	119	Fine white 6	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
- -		-	120	Dimmer 7	000 - 255	0-100%
. -		-	121	Fine dimmer 7	000 - 255	0-100%
-	78	108	122	Red 7 Cyan 7	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-		109	123	Fine red 7 Fine cyan 7	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	79	110	124	Green 7 Magenta7	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
		111	125	Fine green 7 Fine magenta 7	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	80	112	126	Blue7 Yellow 7	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
. -		113	127	Fine blue 7 Fine yellow 7	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	81	114	128	White 7	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
- -		115	129	Fine white 7	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	,	-	130	Dimmer 8	000 - 255	0-100%
- -		-	131	Fine dimmer 8	000 - 255	0-100%
-	82	116	132	Red 8 Cyan 8	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
- -		117	133	Fine red 8 Fine cyan 8	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	83	118	134	Green 8 Magenta 8	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
. -		119	135	Fine green 8 Fine magenta 8	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%



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-	84	120	136	Blue 8 Yellow 8	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	121	137	Fine blue 8 Fine yellow 8	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	85	122	138	White 8	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
•	-	123	139	Fine white 8	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
•	-	-	140	Dimmer 9	000 - 255	0-100%
	-	-	141	Fine dimmer 9	000 - 255	0-100%
	86	124	142	Red 9 Cyan 9	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	-	125	143	Fine red 9 Fine cyan 9	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	87	126	144	Green 9 Magenta 9	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	127	145	Fine green 9 Fine magenta 9	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	88	128	146	Blue9 Yellow 9	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	129	147	Fine blue 9 Fine yellow 9	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	89	130	148	White 9	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	131	149	Fine white 9	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	-	150	Dimmer 10	000 - 255	0-100%
-			151	Fine dimmer 10	000 - 255	0-100%
-	90	132	152	Red 10 Cyan 10	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-		133	153	Fine red 10 Fine cyan 10	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
_	91	134	154	Green 10 Magenta 10	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
		135	155	Fine green10 Fine magenta10	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	92	136	156	Blue 10 Yellow10	000 - 255	RBW Mode:0-100%/CMY Mode:100-0%
		137	157	Fine blue 10 Fine yellow 10	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	93	138	158	White 10	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	-	139	159	Fine white 10	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	-	-	160	Dimmer 11	000 - 255	0-100%
	-	-	161	Fine dimmer 11	000 - 255	0-100%
	94	140	162	Red 11 Cyan 11	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	-	141	163	Fine red 11 Fine cyan 11	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	95	142	164	Green11 Magenta 11	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	-	143	165	Fine green11 Fine magenta11	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	96	144	166	Blue 11 Yellow 11	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
	-	145	167	Fine blue 11 Fine yellow 11	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
		1	1	1	1	1

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-	97	146	168	White 11	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	147	169	Fine white 11	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	-	170	Dimmer 12	000 - 255	0-100%
-	-	-	171	Fine dimmer 12	000 - 255	0-100%
-	98	148	172	Red 12 Cyan 12	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	149	173	Fine red 12 Fine cyan 12	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	99	150	174	Green 12 Magenta 12	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	151	175	Fine green12 Fine magenta12	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	100	152	176	Blue 12 Yellow 12	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	153	177	Fine blue 12 Fine yellow 12	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	101	154	178	White 12	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
-	-	155	179	Fine White 12	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%

169CH

Channel	Function	Value	Percent/Setting
4	Control	000 - 009	No function
1	Control	010 - 255	see Control Settings
2	Tilt speed	000 - 255	Fast to slow
	Till	000 - 004	No function
3	Tilt macro	005 - 255	see Tilt Macro
_	0.70	000	No function
4	СТС	001 - 255	From 19000K to 2700K
_	0.1	000	No function
5	Color macro	001 - 255	see Color Chart
	Dettems (see Dettems)	000	see Color Chart No function
6	Pattern (see Patterns)	001 - 002	Pattern 1-255
_	LED by the tra	000 - 015	No function
7	LED built-in	016 - 225	see LED Macro
		000 - 127	Fast to slowt
8	LED built-in speed	128	stop
		129 - 255	slow to fas
9	LED built-in delay	000 - 255	Fast to slow
10	Background color	000	No function



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		001 - 255	see Color Chart
11	Background color dimmer	000 - 255	0-100%
12	Background color fine dimmer	000 - 255	0-100%
40	Ohaha	000 - 019	Off
13	Strobe	020 - 255	see Strobe Settings
14	Tilt 1	000 - 255	0-100%
15	Fine tilt 1	000 - 255	0-100%
16	Zoom 1	000 - 255	0-100%
17	Dimmer 1	000 - 255	0-100%
18	Fine dimmer 1	000 - 255	0-100%
19	Red 1 Cyan 1	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
20	Fine red 1 Fine cyan 1	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
21	Green 1 Magenta 1	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
22	Fine green 1 Fine magenta 1	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
23	Blue 1 Yellow 1	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
24	Fine blue 1 Fine yellow 1	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
25	White 1	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
26	Fine white 1	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
27	Tilt 2	000 - 255	0-100%
28	Fine tilt 2	000 - 255	0-100%
29	Zoom 2	000 - 255	0-100%
30	Dimmer 2	000 - 255	0-100%
31	Fine dimmer2	000 - 255	0-100%
32	Red 2 Cyan 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
33	Fine red 2 Fine cyan 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
34	Green 2 Magenta 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
35	Fine green 2 Fine magenta 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
36	Blue 2 Yellow 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
37	Fine blue 2 Fine yellow 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
38	White 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
39	Fine white 2	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
40	Tilt 3	000 - 255	0-100%

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41	Fine tilt 3	000 - 255	0-100%
42	Zoom 3	000 - 255	0-100%
43	Dimmer 3	000 - 255	0-100%
44	Fine dimmer 3	000 - 255	0-100%
45	Red 3 Cyan 3	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
46	Fine red 3 Fine cyan 3	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
47	Green 3 Magenta 3	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
48	Fine green 3 Fine magenta 3	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
49	Blue 3 Yellow 3	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
50	Fine blue 3 Fine yellow 3	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
51	White 3	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
52	Fine white 3	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
53	Tilt 4	000 - 255	0-100%
54	Fine tilt 4	000 - 255	0-100%
55	Zoom 4	000 - 255	0-100%
56	Dimmer 4	000 - 255	0-100%
57	Fine dimmer 4	000 - 255	0-100%
58	Red 4 Cyan 4	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
59	Fine red 4 Fine cyan 4	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
60	Green 4 Magenta 4	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
61	Fine green 4 Fine magenta 4	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
62	Blue 4 Yellow 4	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
63	Fine blue 4 Fine yellow 4	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
64	White 4	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
65	Fine white 4	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
66	Tilt 5	000 - 255	0-100%
67	Fine tilt 5	000 - 255	0-100%
68	Zoom 5	000 - 255	0-100%
69	Dimmer 5	000 - 255	0-100%
70	Fine dimmer 5	000 - 255	0-100%
71	Red 5 Cyan 5	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
72	Fine red 5 Fine cyan 5	000 - 255	RGBWMode:0-100%/CMY Mode:100-0%

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73	Green 5 Magenta 5	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
74	Fine green 5 Fine magenta 5	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
75	Blue 5 Yellow 5	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
76	Fine blue 5 Fine yellow 5	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
77	White 5	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
78	Fine white 5	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
79	Tilt 6	000 - 255	0-100%
80	Fine tilt 6	000 - 255	0-100%
81	Zoom 6	000 - 255	0-100%
82	Dimmer 6	000 - 255	0-100%
83	Fine dimmer 6	000 - 255	0-100%
84	Red 6 Cyan 6	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
85	Fine red 6 Fine cyan 6	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
86	Green 6 Magenta 6	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
87	Fine green 6 Fine magenta 6	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
88	Blue 6 Yellow 6	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
89	Fine blue 6 Fine yellow 6	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
90	White 6	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
91	Fine white 6	000 - 255	RGBWMode:0-100%/CMY Mode:100-0%
92	Tilt 7	000 - 255	0-100%
93	Fine tilt 7	000 - 255	0-100%
94	Zoom 7	000 - 255	0-100%
95	Dimmer 7	000 - 255	0-100%
96	Fine dimmer7	000 - 255	0-100%
97	Red 7 Cyan 7	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
98	Fine red 7 Fine cyan 7	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
99	Green 7 Magenta 7	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
100	Fine green 7 Fine magenta 7	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
101	Blue 7 Yellow 7	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
102	Fine blue 7 Fine yellow 7	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
103	White 7	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
104	Fine white 7	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
			

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105	Tilt 8	000 - 255	0-100%
106	Fine tilt 8	000 - 255	0-100%
107	Zoom 8	000 - 255	0-100%
108	Dimmer 8	000 - 255	0-100%
109	Fine dimmer 8	000 - 255	0-100%
110	Red 8 Cyan 8	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
111	Fine red 8 Fine cyan 8	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
112	Green 8 Magenta 8	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
113	Fine green 8 Fine magenta 8	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
114	Blue 8 Yellow 8	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
115	Fine blue 8 Fine yellow 8	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
116	White 8	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
117	Fine white 8	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
118	Tilt 9	000 - 255	0-100%
119	Fine tilt 9	000 - 255	0-100%
120	Zoom 9	000 - 255	0-100%
121	Dimmer 9	000 - 255	0-100%
122	Fine dimmer 9	000 - 255	0-100%
123	Red 9 Cyan 9	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
124	Fine red 9 Fine cyan 9	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
125	Green 9 Magenta 9	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
126	Fine green 9 Fine magenta 9	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
127	Blue 9 Yellow9	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
128	Fine blue 9 Fine yellow 9	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
129	White 9	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
130	Fine white 9	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
131	Tilt 10	000 - 255	0-100%
132	Fine tilt 10	000 - 255	0-100%
133	Zoom 10	000 - 255	0-100%
134	Dimmer 10	000 - 255	0-100%
135	Fine dimmer 10	000 - 255	0-100%
136	Red 10 Cyan 10	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
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137	Fine red 10 Fine cvan 10	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
138	Green 10 Magenta 10	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
139	Fine green 10 Fine magenta 10	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
140	Blue 10 Yellow 10	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
141	Fine blue 10 Fine yellow 10	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
142	White 10	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
143	Fine white 10	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
144	Tilt 11	000 - 255	0-100%
145	Fine tilt 11	000 - 255	0-100%
146	Zoom 11	000 - 255	0-100%
147	Dimmer 11	000 - 255	0-100%
148	Fine dimmer 11	000 - 255	0-100%
149	Red 11 Cyan 11	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
150	Fine red 11 Fine cvan 11	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
151	Green 11 Magenta 11	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
152	Fine green 11 Fine magenta 11	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
153	Blue11 Yellow 11	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
154	Fine blue 11 Fine yellow 11	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
155	White 11	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
156	Fine white 11	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
157	Tilt 12	000 - 255	0-100%
158	Fine tilt 12	000 - 255	0-100%
159	Zoom 12	000 - 255	0-100%
160	Dimmer 12	000 - 255	0-100%
161	Fine dimmer 12	000 - 255	0-100%
162	Red 12 Cyan 12	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
163	Fine red 12 Fine cyan 12	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
164	Green 12 Magenta 12	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
165	Fine green 12 Fine magenta 12	000 - 255	RGBW Mode:0-100%/CMY Mode:100-0%
166	Blue 12 Yellow 12	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
167	Fine blue 12 Fine yellow 12	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%
168	White 12	000 - 255	RGBW Mode:O-100%/CMY Mode:100-0%



9 Fine white 12	0 - 255 RGBW Mode:0-100%/CMY Mode:100-0	100-0%
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20CH

Channel	Function	Value	Percent/Setting		
1	Tilt 1-12	000 - 255	0-100%		
2	Fine tilt 1-12	000 - 255	0-100%		
3	Tilt speed	000 - 255	0-100%		
		000 - 004	No function		
4	Tilt macro	005 - 255	See Tilt Macro		
_		000	No function		
5	CTC	001 - 255	From 19000K to 2700K		
6	Color macro	000	No function		
	Color Madro	001 - 255	see Color Chart		
7	Pattern	000	No function		
	attern	001 - 255	0-100% No function See Tilt Macro No function From 19000K to 2700K No function see Color Chart		
0	LED built-in	000 - 015	No function		
8	LED built-in	016 - 255	see LED Macro		
		000 - 127	Fast to slow		
9	LED built-in speed	128	Stop		
	·	129 - 255	No function see Color Chart No function see Patterns No function see LED Macro Fast to slow Stop Slow to fast Fast to slow No function see Color Chat 0-100% Off see Strobe Settings		
10	LED built-in delay	000 - 255	Fast to slow		
	De alverra und calar	000	No function		
11	Background color	001 - 255	see Color Chat		
12	Background color dimmer	000 - 255	0-100%		
13	Dimmer	000 - 255	0-100%		
		000 - 019	Off		
14	Strobe	020 - 255	see Strobe Settings		
15	Zoom 1-12	000 - 255	0-100%		
		000 - 009	No function		
16	Control	010 - 255	see Control Settings		
17	Red Cyan	000 - 255	0-100%		
18	Green Magenta	000 - 255	0-100%		
19	Blue Yellow	000 - 255	0-100%		
20	White	000 - 255	0-100%		



Yaxis macro table:

	000-004	no
	005-009	Y-axis macro1
Y-axis	010-014	Y-axis macro2
macro		
	250-254	Y-axis macro50
	255	Y-axis macro51

Note:

When the Y-axis macro takes effect, Y-axis 1 is coarse-adjusted to adjust the start position of the Y-axis macro, Y-axis 1 is fine-tuned to adjust the swing amplitude of the Y-axis macro, and Y-axis motor speed is Y-axis macro speed (from slow to fast).

The effective value of Y-axis macro amplitude is 1-255

Color macro table:

	000	no
	001- 002	White 2700K
	003- 004	White 3200K
	005- 006	White 4200K
	007- 008	White 5600K
	009- 010	White 8000K
	011	Blue
	012- 048	+ Green
	049	Cyan
Color	050- 086	-Blue
macro	087	Green
	088- 124	+ Red
	125	Yellow
	126- 162	-Green
	163	Red
	164- 200	+ Blue
	201	Magenta
	202- 238	-Red
	239	Blue



240- 247	Color fade, fast to slow
248-255	Color snap, fast to slow

Stroboscopic chart:

	000-019	Off
	020-024	On
	025-064	Strobe, fast to slow
	065-069	On
	070-084	Strobe 100-0%, fast to slow
	085-089	on
	090-104	Strobe 0-100%,fast to slow
	105-109	On
	110-124	Random strobe, fast to slow
	125-129	On
stroboscopic	130-144	Random strobe 100-0%, fast to slow
	145-149	On
	150-164	Random strobe 0-100%, fast to slow
	165-169	On
	170-184	Pulse strobe, fast to slow
	185-189	On
	190-204	Random pulse strobe, fast to slow
	205-209	On
	210-224	Strobe 0-100-0%, fast to slow
	225-229	On
	230-244	Random pulse strobe, fast to slow



	intpow/intropio etagongitangioeni
245-255	On

Control chart:

	000-054	
		There is no
	056-060	
		Y-axis motor reset (keep 5S effective)
rocotting	061-065	
resetting		Zoom motor reset (keep 5S effective)
	066-075	
		Reset all (Hold 5S to take effect)
	076-255	
		reserve

5. Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The fixture does not work, no light

- 1. Check the connection of power and main fuse.
- 2. Measure the mains voltage on the main connector.

B. Not responding to DMX controller

- 1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
- 2. If the DMX LED is on and no response to the channel, check the address settings and DMX

polarity.

3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the

fixture or the previous one.

- 4. Try to use another DMX controller.
- 5. Check if the DMX cables run near or run alongside to high voltage cables that may cause

damage or interference to DMX interface circuit.

C. Some fixtures don't respond to the easy controller



- 1. You may have a break in the DMX cabling.
- 2. Check the LED for the response of the master/ slave mode signal.

D. No response to the sound

- 1. Make sure the fixture does not receive DMX signal.
- 2. Check microphone to see if it is good by tapping the microphone.

E. One of the channels is not working well

- 1. The stepper motor might be damaged or the cable connected to the PCB is broken.
- 2. The motor's drive IC on the PCB might be out of condition.

6. Fixture Cleaning

The cleaning must be carried out periodically to optimize light output. Cleaning frequency

depends on the environment in which the fixture operates: moist, smoky or particularly dirty

surrounding can cause greater accumulation of dirt on the fixture.

Clean with soft cloth using normal glass cleaning fluid.

Always dry the parts carefully.

Clean the external optics at least every 30 days.