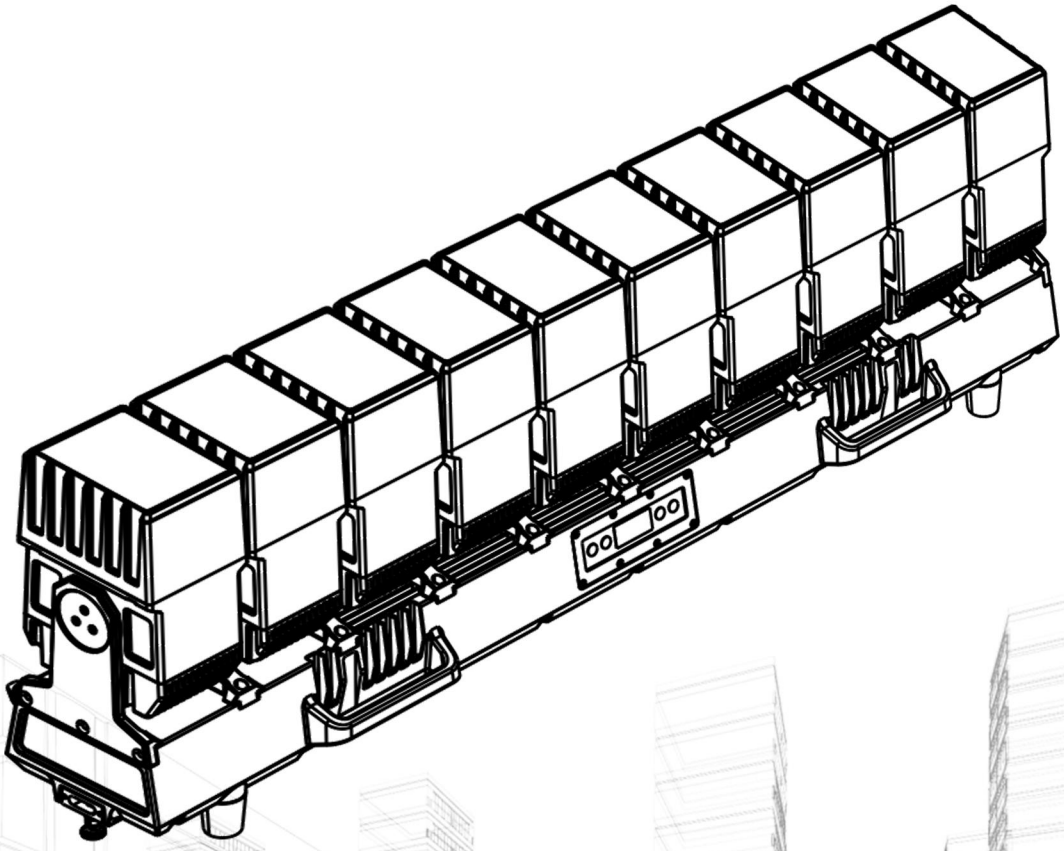
V-SHOW® | EXPLORE INFINITE COLORS |



USER MANUAL

⊘MODEL: W1060

VSHOW PRO LIGHTING

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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.

- Unpack and check carefully to ensure that there is no transportation damage before using the unit.
- This product is suitable for wet locations. Do not immerse in water.
- 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: -40℃. Maximum ambient temperature TA: 45℃. 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 65℃. DO NOT touch the housing bare-handed during its operation
- Avoid any flammable liquids, water or metal from entering the unit.
- 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.
- 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.

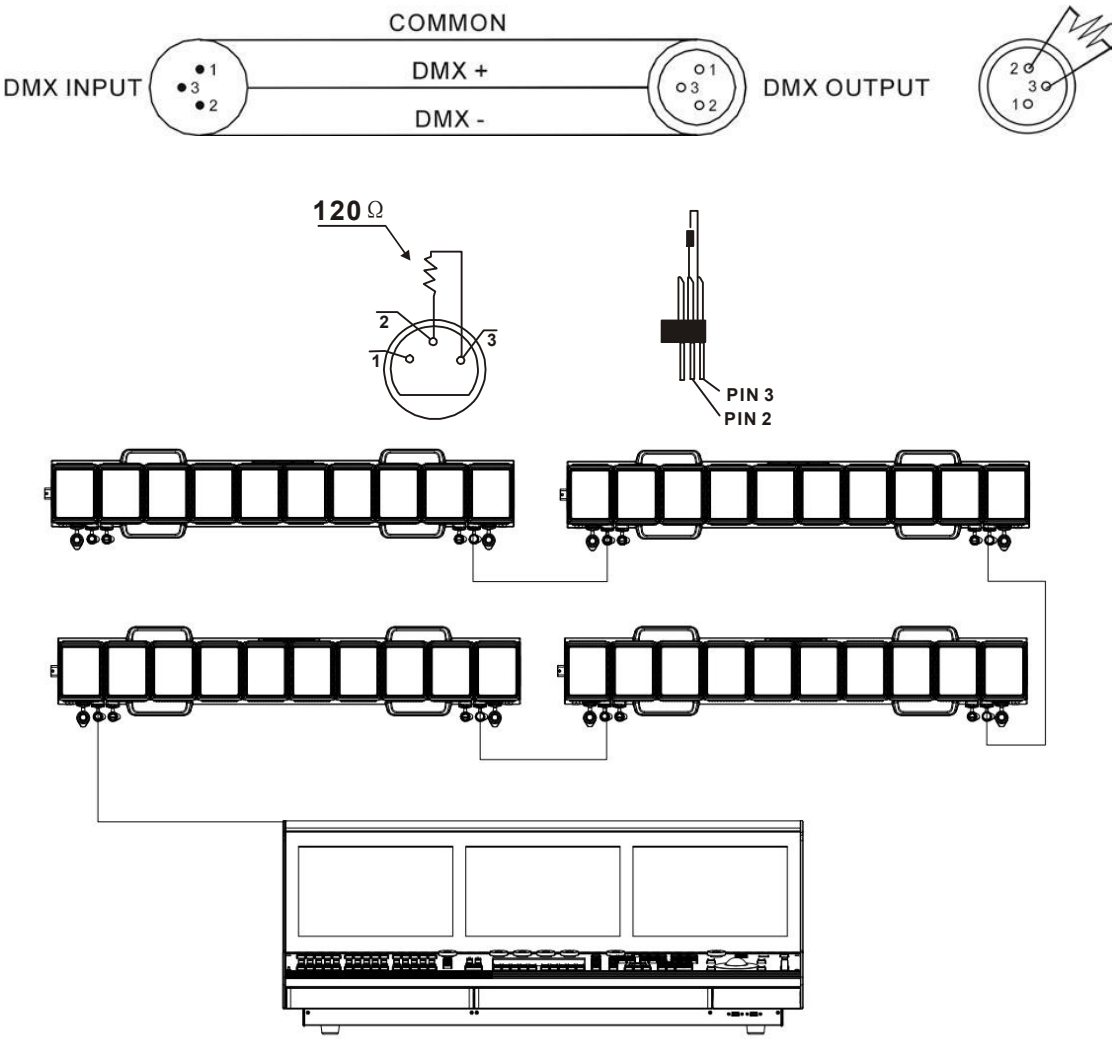
2.INSTALLATIONS

- installations Note: In order to increase protection, please install the lamp on the sidewalk, outside the seating area, or an area where unauthorized persons may touch the led
- Before installing the fixture on any surface, make sure that the installation area can bear the minimum point load above 10 points of the weight of the equipment. The installation of the fixing device must always be fixed with auxiliary safety accessories (such as a suitable safety rope) Do not stand directly under the equipment when installing, removing, or servicing fixtures
- Ensure thatthis fixture is kept at least 0.5m (1.5 feet) away from any flammable materials(decorations, etc.)
- Be sure to use and install the supplied safety rope to ensure safety and prevent accidental damage and/or injury in case the fixture is damaged Installation point: Overhead installation requires a wealth of experience, including calculation of working load limits, in-depth understanding of the installation materials used, and regular safety inspections of all installation materials and fixtures. If you do not have these qualifications, please do not try to install it yourself. Improper installation can cause personal injury Before connecting the main power cord to an appropriate wall outlet,make sure to complete all assembly and installation procedures

3. DMX-512 control connections

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving heads be connected together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors.
For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control

signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3,which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below

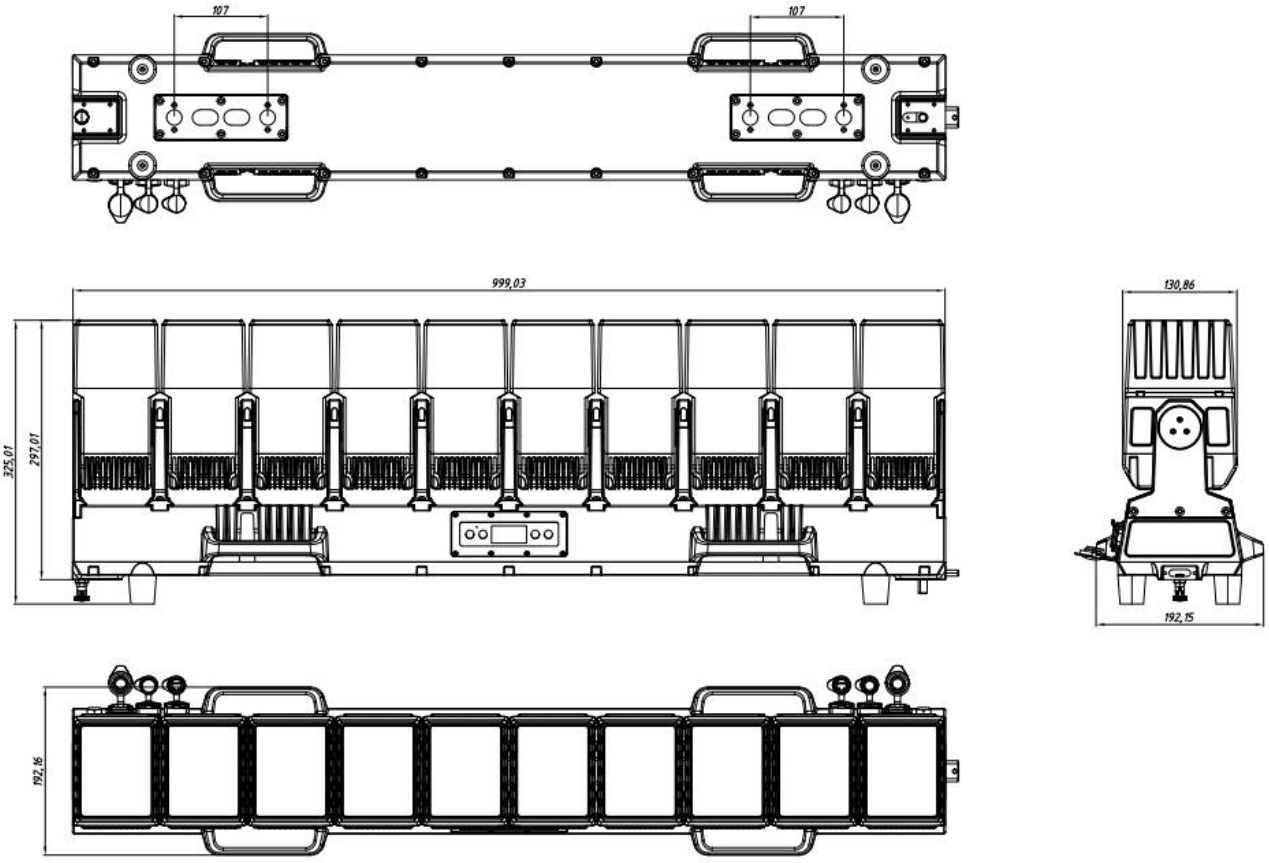


4.Address code setting

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	UNIT1 ADDERSS	UNIT2 ADDERSS	UNIT3 ADDERSS	UNIT4 ADDERSS
29CH	1.1	1.30	1.59	1.88
56CH	1.1	1.57	1.113	1.169
142CH	1.1	1.143	1.285	2.1
216CH	1.1	1.217	2.1	2.217
262CH	1.1	2.1	3.1	4.1
282CH	1.1	2.1	3.1	4.1

5. Fixture size



6.LED technical parameters

Input voltage: 100-240V, 50/60Hz
Power consumption: 900W
Power supply: 1000W
Main light source: 10PCSx60W RGBW 4IN 1
Strobe light: 360pcs cool white+wram white 0.5W LED
Color System: Excellent Color Macro Effects
Powerful color mixing effect
Rich dynamic color effects
Auxiliary lights: 17pcs in one segment can be controlled independence
Auxiliary light 60 segment independent control（6pcs per set）
Auxiliary lights can also be independently controlled in 10 segments (36 per set)
LED lifespan:>20000 hours
Zoom angle: 4-40°
CTO:Adjustable color temperature
DMX channel: 29/56/142/216/262/282 channels
Operation mode: DMX512、 Auto, master-slave/ RDM /art-net
Dimmer: 0-100% smooth linear dimming
Dimming curves: linear, square law, inverse square law, S-curve
Dimming speed: fast, slow
Strobe: 1-25HZ strong output flicker effect
PWM：600Hz，1200Hz，2000Hz，4000Hz，6000Hz，15000Hz
Display: OLED display
Signal input/output: 3-pin OR 5-pin and RJ45 waterproof XLR sockets
Power socket: Waterproof power connector input/output
working enviroment:-40°-45°
Protection level: IP65
Size: 1000x226x340mm
Net weight: 30kg

Features:

This fixture is a multifunctional shaking head effect light with colorful changes in the main light color. Paired with auxiliary light cold white and warm white, the effect is rich and varied. Each lamp can be shaken and adjusted freely, achieving multifunctional dynamic effects. Multi channel mode, multiple control protocols

7.1. Menu first interface

Select the corresponding sub-menu by pressing the "UP" key and "DOWN" key, and click the "ENTER" key to enter the corresponding sub-menu interface.
1.Address: Click to enter the address code setting. The number of address codes can be increased or decreased by pressing the "UP" key and "DOWN" key, and the address code displayed on the lamp panel will be updated synchronously.
2.Settings: Click to enter the system options, you can change the working mode of the lamp, working parameters and panel display Settings.
3.Manual: Click to enter manual mode, you can control the function of the lamp, please see the channel table for details.
4Calibration: Click to enter the system calibration mode.
5.Information: Click to view the software and hardware version information.

7.2.System Settings

Menu unlock: Long press enter for 5 seconds

primary menu	Sub menus
protocol	DMX/Art-Net/SACN
address code	001 - 255
channel pattern	282CH/262CH/216CH/56CH/29CH/142CH
static state	Manual color/auto test
Signal keep	Yes/no
calibration	Password:xxx
Tilt Invert	Yes/no
Pixel Invert	Yes/no
Dimmer curve	Linear/square law/Inv SQ Law/s-curve
Dimmer mode	Fast/slow
Led frequency	1200hz/2000hz/4000hz/4000hz/6000hz/15000kz
Update slave	Yes/no

Fan mode	Auto/fan/slow	
Display Invert	Yes/auto	
Back light	10s/20s/2min/always on	
Key lock	No/off	
Ethernet setting	universe	Art-net/SACN
	IP Address	Xxx.xxx.xxx.xxx
	Subnet mask	255.xxx.xxx.xxx
LED ID Set	Off/1/2/3/4/5/6/7/8/9/10	
Information	Fix hours:xxx	
	LED hours:xxx	
	UID:XXXXX	
	Disp ver:xxx	
	LED 1VER:XXX	
	.....	
	LED 10 VER:XXX	
Language	English/chinese	
Factory reset	On/off	
factory data reset	Yes/no	

Tilt macro chart:

Note:

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

The effective value of tilt macro amplitude is 1-255

8. Channel

29CH

CH	Function	DMX	explanation
1	Tilt	0-255	Min to max angle
2	Tilt fine	0-255	16bit fine
3	Tilt speed	0-255	From fast to slow
4	Tilt macro	0-4	NO Function
		5-9	Tilt macro 1
		10-14	Tilt macro 2
		15-19	Tilt macro 3
		.	.
		50-54	Tilt macro 10
		55-59	Tilt macro 11
		60-64	Tilt macro 12
		65-69	Tilt macro 13
		70-74	Tilt macro 14
		75-255	NO Function
5	Main CTC	0-255	Color temperature from high to low
6	Line light CTC	0-255	Color temperature from high to low
7	color	0	no function
		1-2	white 2700K
		3-4	white 3200K
		5-6	white 4000K
		7-8	white 4200K
		9-10	white 5600K
		11-12	white 6500K
		13-14	white 7500K
		15	Blue

		16-52	G+，B=255
		53	Cyan
		54-90	G=255 ， B-
		91	Green
		92-128	R+ ， G=255
		129	Yellow
		130-166	R=255 ， G-
		167	Red
		168-204	R=255 ， B+
		205	Magenta
		206-242	R- ， B=255
		243	Blue
		244-249	Color fade, fast to slow
		250-255	Color jump, fast to slow
8	Pattern	0	no function
		1	Pattern 1
		2	Pattern 2
		3	Pattern 3
		.	.
		253	Pattern 253
		254	Pattern 254
		255	Pattern 255
9	Line light Pattern	0	no function
		1	Pattern 1
		2	Pattern 2
		3	Pattern 3
		.	.
		253	Pattern 253
		254	Pattern 254
		255	Pattern 255
10	LED built-in effect	0-15	no function

		16-23	built-in 1
		24-31	built-in 2
		32-39	built-in 3
		.	.
		168-175	built-in 20
		176-183	built-in 21
		184-191	built-in 22
		192-199	built-in 23
		200-255	no function
11	LED built-in speed	0-127	fast to slow
		128	stop
		129-255	reverse slow to fast
12	LED built-in delay	0-255	fast to slow
13	Line light built-in	0-15	no function
		16-17	built-in 1
		18-19	built-in 2
		20-21	built-in 3
		.	.
		168-175	built-in 20
		176-183	built-in 21
		184-191	built-in 22
		192-199	built-in 23
		200-255	no function
14	line light built-in speed	0-127	fast to slow
		128	stop
		129-255	reverse slow to fast
15	Line light built-in delay	0-255	fast to slow
16	Background	0	no function

		1-2	2700K
		3-4	3200K
		5-6	4200K
		7-8	5600K
		9-10	8000K
		11	Blue
		12-48	G+ ， B=255
		49	Cyan
		50-86	G=255 ， B-
		87	Green
		88-124	R+ ， G=255
		125	Yellow
		126-162	R=255 ， G-
		163	Red
		164-200	R=255 ， B+
		201	Magenta
		202-238	R- ， B=255
		239	Blue
		240-247	Color fade, fast to slow
		248-255	Color jump, fast to slow
17	Background color dimmer	0-255	0-100%
18	Main Dimmer	0-255	0-100%
19	line light dimmer	0-255	0-100%
20	Main Strobe	0-19	off
		20-24	on
		25-64	strobe 1, fast to slow
		65-69	on
		70-84	strobe 2 (fast on, slow off), fast to slow

		85-89	on
		90-104	strobe 3 (slow on, fast off), fast to slow
		105-109	on
		110-124	strobe 4 (random), fast to slow
		125-129	on
		130-144	strobe 5 (random fast on, slow off), fast to slow
		145-149	on
		150-164	strobe 6 (random slow on, fast off), fast to slow
		165-169	on
		170-184	strobe 7 (pulse strobe), fast to slow
		185-189	on
		190-204	strobe 8 (random pulse strobe), fast to slow
		205-209	on
		210-224	strobe 9 (fade), fast to slow
		225-229	on
		230-244	strobe 10 (pulse strobe), fast to slow
		245-255	on
21	line light Strobe	0-19	off
		20-24	on
		25-64	strobe 1, fast to slow
		65-69	on
		70-84	strobe 2 (fast on, slow off), fast to slow
		85-89	on
		90-104	strobe 3 (slow on, fast off), fast to slow
		105-109	on
		110-124	strobe 4 (random), fast to slow
		125-129	on
		130-144	strobe 5 (random fast on, slow off), fast to slow
		145-149	on
		150-164	strobe 6 (random slow on, fast off), fast to slow
		165-169	on

		170-184	strobe 7 (pulse strobe), fast to slow
		185-189	on
		190-204	strobe 8 (random pulse strobe), fast to slow
		205-209	on
		210-224	strobe 9 (fade), fast to slow
		225-229	on
		230-244	strobe 10 (pulse strobe), fast to slow
		245-255	on
22	zoom	0-255	0-100%
23	function	0-54	reserved
		55-59	tilt reset
		60-64	zoom reset
		65-69	reserved
		70-74	all reset
		75-79	Cell order 1-10
		80-84	Cell order 10-1
		85-89	reserved
		90-94	tilt reverse
		95-99	reserved
		100-104	disable tilt reverse
		105-134	reserved
		135-139	dimmer fast
		140-144	dimmer smooth
		145-149	Linear
		150-154	Square
		155-159	I Squa
		160-164	Scurve
		165-174	reserved
		175-179	PWM 600Hz
		180-184	PWM 1200Hz

		185-189	PWM 2000Hz
		190-194	PWM 4000Hz
		195-199	PWM 6000Hz
		200-204	PWM 15000Hz
		205-209	Fan auto
		210-214	Fan slow
		215-219	Fan fast
		220-255	reserved
24	red	0-255	0-100%
25	green	0-255	0-100%
26	blue	0-255	0-100%
27	white	0-255	0-100%
28	Cool white dimmer	0-255	0-100%
29	Warm white dimmer	0-255	0-100%

56CH

CH	Function	DMX	explanation
1	Tilt 1	0-255	Min to max angle
2	Tilt fine 1	0-255	16bit fine
3	Tilt 2	0-255	Min to max angle
4	Tilt fine 2	0-255	16bit fine
5	Tilt 3	0-255	Min to max angle
6	Tilt fine 3	0-255	16bit fine
.....	.....	.....	.....
15	Tilt 8	0-255	Min to max angle
16	Tilt fine 8	0-255	16bit fine
17	Tilt 9	0-255	Min to max angle

18	Tilt fine 9	0-255	16bit fine
19	Tilt 10	0-255	Min to max angle
20	Tilt fine 10	0-255	16bit fine
21	Tilt speed	0-255	From fast to slow
22	Tilt macro	0-4	NO Function
		5-9	Tilt macro 1
		10-14	Tilt macro 2
		15-19	Tilt macro 3
		.	.
		50-54	Tilt macro 10
		55-59	Tilt macro 11
		60-64	Tilt macro 12
		65-69	Tilt macro 13
		70-74	Tilt macro 14
		75-255	NO Function
23	Main CTC	0-255	Color temperature from high to low
24	Line light CTC	0-255	Color temperature from high to low
25	color	0	no function
		1-2	white 2700K
		3-4	white 3200K
		5-6	white 4000K
		7-8	white 4200K
		9-10	white 5600K
		11-12	white 6500K
		13-14	white 7500K
		15	Blue
		16-52	G+，B=255
		53	Cyan
		54-90	G=255 ，B-
		91	Green

		92-128	R+ ， G=255
		129	Yellow
		130-166	R=255 ， G-
		167	Red
		168-204	R=255 ， B+
		205	Magenta
		206-242	R- ， B=255
		243	Blue
		244-249	Color fade, fast to slow
		250-255	Color jump, fast to slow
26	Pattern	0	no function
		1	Pattern 1
		2	Pattern 2
		3	Pattern 3
		.	.
		253	Pattern 253
		254	Pattern 254
		255	Pattern 255
27	Line light Pattern	0	no function
		1	Pattern 1
		2	Pattern 2
		3	Pattern 3
		.	.
		253	Pattern 253
		254	Pattern 254
		255	Pattern 255
28	LED built-in effect	0-15	no function
		16-23	built-in 1
		24-31	built-in 2
		32-39	built-in 3
		.	.

		168-175	built-in 20
		176-183	built-in 21
		184-191	built-in 22
		192-199	built-in 23
		200-255	no function
29	LED built-in speed	0-127	fast to slow
		128	stop
		129-255	reverse slow to fast
30	LED built-in delay	0-255	fast to slow
31	Line light built-in	0-15	no function
		16-17	built-in 1
		18-19	built-in 2
		20-21	built-in 3
		.	.
		176-183	built-in 21
		184-191	built-in 22
		192-199	built-in 23
		200-255	no function
32	line light built-in speed	0-127	fast to slow
		128	stop
		129-255	reverse slow to fast
33	Line light built-in delay	0-255	fast to slow
34	Background color	0	no function
		1-2	2700K
		3-4	3200K
		5-6	4200K
		7-8	5600K
		9-10	8000K

		11	Blue
		12-48	G+ ， B=255
		49	Cyan
		50-86	G=255 ， B-
		87	Green
		88-124	R+ ， G=255
		125	Yellow
		126-162	R=255 ， G-
		163	Red
		164-200	R=255 ， B+
		201	Magenta
		202-238	R- ， B=255
		239	Blue
		240-247	Color fade, fast to slow
		248-255	Color jump, fast to slow
35	Background color dimmer	0-255	0-100%
36	Main Dimmer	0-255	0-100%
37	line light dimmer	0-255	0-100%
38	Main Strobe	0-19	off
		20-24	on
		25-64	strobe 1, fast to slow
		65-69	on
		70-84	strobe 2 (fast on, slow off), fast to slow
		85-89	on
		90-104	strobe 3 (slow on, fast off), fast to slow
		105-109	on
		110-124	strobe 4 (random), fast to slow
		125-129	on

		130-144	strobe 5 (random fast on, slow off), fast to slow
		145-149	on
		150-164	strobe 6 (random slow on, fast off), fast to slow
		165-169	on
		170-184	strobe 7 (pulse strobe), fast to slow
		185-189	on
		190-204	strobe 8 (random pulse strobe), fast to slow
		205-209	on
		210-224	strobe 9 (fade), fast to slow
		225-229	on
		230-244	strobe 10 (pulse strobe), fast to slow
		245-255	on
39	line light Strobe	0-19	off
		20-24	on
		25-64	strobe 1, fast to slow
		65-69	on
		70-84	strobe 2 (fast on, slow off), fast to slow
		85-89	on
		90-104	strobe 3 (slow on, fast off), fast to slow
		105-109	on
		110-124	strobe 4 (random), fast to slow
		125-129	on
		130-144	strobe 5 (random fast on, slow off), fast to slow
		145-149	on
		150-164	strobe 6 (random slow on, fast off), fast to slow
		165-169	on
		170-184	strobe 7 (pulse strobe), fast to slow
		185-189	on
		190-204	strobe 8 (random pulse strobe), fast to slow
		205-209	on

		210-224	strobe 9 (fade), fast to slow
		225-229	on
		230-244	strobe 10 (pulse strobe), fast to slow
		245-255	on
40	Zoom 1	0-255	0-100%
41	Zoom 2	0-255	0-100%
.....	.....	.....	.....
48	Zoom 9	0-255	0-100%
49	Zoom 10	0-255	0-100%
50	function	0-54	reserved
		55-59	tilt reset
		60-64	zoom reset
		65-69	reserved
		70-74	all reset
		75-79	Cell order 1-10
		80-84	Cell order 10-1
		85-89	reserved
		90-94	tilt reverse
		95-99	reserved
		100-104	disable tilt reverse
		105-134	reserved
		135-139	dimmer fast
		140-144	dimmer smooth
		145-149	Linear
		150-154	Square
		155-159	I Squa
		160-164	Scurve
		165-174	reserved
		175-179	PWM 600Hz
		180-184	PWM 1200Hz

		185-189	PWM 2000Hz
		190-194	PWM 4000Hz
		195-199	PWM 6000Hz
		200-204	PWM 15000Hz
		205-209	Fan auto
		210-214	Fan slow
		215-219	Fan fast
		220-255	reserved
51	red	0-255	0-100%
52	green	0-255	0-100%
53	blue	0-255	0-100%
54	white	0-255	0-100%
55	Cool white dimmer	0-255	0-100%
56	Warm white dimmer	0-255	0-100%

142CH

CH	Function	DMX	explanation
1	All dimmer	0-255	0-100%
2	All dimmer fine	0-255	0-100%
3	Main Strobe	0-19	off
		20-24	on
		25-64	strobe 1, fast to slow
		65-69	on
		70-84	strobe 2 (fast on, slow off), fast to slow
		85-89	on
		90-104	strobe 3 (slow on, fast off), fast to slow
		105-109	on
		110-124	strobe 4 (random), fast to slow
		125-129	on

		130-144	strobe 5 (random fast on, slow off), fast to slow
		145-149	on
		150-164	strobe 6 (random slow on, fast off), fast to slow
		165-169	on
		170-184	strobe 7 (pulse strobe), fast to slow
		185-189	on
		190-204	strobe 8 (random pulse strobe), fast to slow
		205-209	on
		210-224	strobe 9 (fade), fast to slow
		225-229	on
		230-244	strobe 10 (pulse strobe), fast to slow
		245-255	on
4	Main Strobe	0-19	off
		20-24	on
		25-64	strobe 1, fast to slow
		65-69	on
		70-84	strobe 2 (fast on, slow off), fast to slow
		85-89	on
		90-104	strobe 3 (slow on, fast off), fast to slow
		105-109	on
		110-124	strobe 4 (random), fast to slow
		125-129	on
		130-144	strobe 5 (random fast on, slow off), fast to slow
		145-149	on
		150-164	strobe 6 (random slow on, fast off), fast to slow
		165-169	on
		170-184	strobe 7 (pulse strobe), fast to slow
		185-189	on
		190-204	strobe 8 (random pulse strobe), fast to slow
		205-209	on

		210-224	strobe 9 (fade), fast to slow
		225-229	on
		230-244	strobe 10 (pulse strobe), fast to slow
		245-255	on
5	Main CTC	0-255	Color temperature from high to low
6	Line light Pattern	0	no function
		1	Pattern 1
		2	Pattern 2
		3	Pattern 3
		.	.
		.	.
		.	.
		253	Pattern 253
		254	Pattern 254
		255	Pattern 255
7	color	0	no function
		1-2	white 2700K
		3-4	white 3200K
		5-6	white 4000K
		7-8	white 4200K
		9-10	white 5600K
		11-12	white 6500K
		13-14	white 7500K
		15	Blue
		16-52	G+，B=255
		53	Cyan
		54-90	G=255 ，B-
		91	Green
		92-128	R+ ，G=255
		129	Yellow
		130-166	R=255 ，G-

		167	Red
		168-204	R=255 ， B+
		205	Magenta
		206-242	R- ， B=255
		243	Blue
		244-249	Color fade, fast to slow
		250-255	Color jump, fast to slow
8	Background color dimmer	0-255	0-100%
9	Line light built-in	0-15	no function
		16-17	built-in 1
		18-19	built-in 2
		20-21	built-in 3
		.	.
		168-175	built-in 20
		176-183	built-in 21
		184-191	built-in 22
		192-199	built-in 23
		200-255	no function
10	line light built-in speed	0-127	fast to slow
		128	stop
		129-255	reverse slow to fast
11	Line light built-in delay	0-255	fast to slow
12	function	0-54	reserved
		55-59	tilt reset
		60-64	zoom reset
		65-69	reserved
		70-74	all reset
		75-79	Cell order 1-10

		80-84	Cell order 10-1
		85-89	reserved
		90-94	tilt reverse
		95-99	reserved
		100-104	disable tilt reverse
		105-134	reserved
		135-139	dimmer fast
		140-144	dimmer smooth
		145-149	Linear
		150-154	Square
		155-159	I Squa
		160-164	Scurve
		165-174	reserved
		175-179	PWM 600Hz
		180-184	PWM 1200Hz
		185-189	PWM 2000Hz
		190-194	PWM 4000Hz
		195-199	PWM 6000Hz
		200-204	PWM 15000Hz
		205-209	Fan auto
		210-214	Fan slow
		215-219	Fan fast
		220-255	reserved
13	Tilt 1	0-255	Min to max angle
14	Tilt fine 1	0-255	16bit fine
15	Zoom 1	0-255	0-100%
16	R 1	0-255	0-100%
17	R1 fine	0-255	0-100%
18	G 1	0-255	0-100%
19	G 1 fine	0-255	0-100%

20	B 1	0-255	0-100%
21	B 1 fine	0-255	0-100%
22	W 1	0-255	0-100%
23	W 1 fine	0-255	0-100%
24	Cool W1 dim	0-255	0-100%
25	warm W1 dim	0-255	0-100%
26	Tilt 2	0-255	Min to max angle
27	Tilt fine 2	0-255	16bit fine
28	Zoom 2	0-255	0-100%
29	R 2	0-255	0-100%
30	R2 fine	0-255	0-100%
31	G 2	0-255	0-100%
32	G 2 fine	0-255	0-100%
33	B 2	0-255	0-100%
34	B 2 fine	0-255	0-100%
35	W 2	0-255	0-100%
36	W 2 fine	0-255	0-100%
37	Cool W 2 dim	0-255	0-100%
38	warm W 2 dim	0-255	0-100%
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
117	Tilt 9	0-255	Min to max angle
118	Tilt fine 9	0-255	16bit fine
119	Zoom 9	0-255	0-100%
120	R 9	0-255	0-100%
121	R9 fine	0-255	0-100%
122	G 9	0-255	0-100%

123	G 9 fine	0-255	0-100%
124	B 9	0-255	0-100%
125	B 9 fine	0-255	0-100%
126	W 9	0-255	0-100%
127	W 9 fine	0-255	0-100%
128	Cool W9 dim	0-255	0-100%
129	warm W9 dim	0-255	0-100%
130	Tilt 10	0-255	Min to max angle
131	Tilt fine 10	0-255	16bit fine
132	Zoom 10	0-255	0-100%
133	R 10	0-255	0-100%
134	R10 fine	0-255	0-100%
135	G 10	0-255	0-100%
136	G 10 fine	0-255	0-100%
137	B 10	0-255	0-100%
138	B 10 fine	0-255	0-100%
139	W 10	0-255	0-100%
140	W 10 fine	0-255	0-100%
141	Cool W10 dim	0-255	0-100%
142	warm W10 dim	0-255	0-100%

216CH

CH	Function	DMX	explanation
1	Tilt 1	0-255	Min to max angle
2	Tilt fine 1	0-255	16bit fine
3	Tilt 2	0-255	Min to max angle
4	Tilt fine 2	0-255	16bit fine
....	.....	.....	.....
15	Tilt 8	0-255	Min to max angle

16	Tilt fine 8	0-255	16bit fine
17	Tilt 9	0-255	Min to max angle
18	Tilt fine 9	0-255	16bit fine
19	Tilt 10	0-255	Min to max angle
20	Tilt fine 10	0-255	16bit fine
21	Tilt speed	0-255	From fast to slow
22	Tilt macro	0-4	NO Function
		5-9	Tilt macro 1
		10-14	Tilt macro 2
		15-19	Tilt macro 3
		.	.
		50-54	Tilt macro 10
		55-59	Tilt macro 11
		60-64	Tilt macro 12
		65-69	Tilt macro 13
		70-74	Tilt macro 14
		75-255	NO Function
23	Main CTC	0-255	Color temperature from high to low
24	Line light CTC	0-255	Color temperature from high to low
25	color	0	no function
		1-2	white 2700K
		3-4	white 3200K
		5-6	white 4000K
		7-8	white 4200K
		9-10	white 5600K
		11-12	white 6500K
		13-14	white 7500K
		15	Blue
		16-52	G+，B=255
		53	Cyan

		54-90	G=255 ， B-
		91	Green
		92-128	R+ ， G=255
		129	Yellow
		130-166	R=255 ， G-
		167	Red
		168-204	R=255 ， B+
		205	Magenta
		206-242	R- ， B=255
		243	Blue
		244-249	Color fade, fast to slow
		250-255	Color jump, fast to slow
26	Pattern	0	no function
		1	Pattern 1
		2	Pattern 2
		3	Pattern 3
		.	.
		.	.
		.	.
		253	Pattern 253
		254	Pattern 254
		255	Pattern 255
27	Line light Pattern	0	no function
		1	Pattern 1
		2	Pattern 2
		3	Pattern 3
		.	.
		.	.
		.	.
		253	Pattern 253

		254	Pattern 254
		255	Pattern 255
28	LED built-in effect	0-15	no function
		16-23	built-in 1
		24-31	built-in 2
		32-39	built-in 3
		.	.
		168-175	built-in 20
		176-183	built-in 21
		184-191	built-in 22
		192-199	built-in 23
		200-255	no function
29	LED built-in speed	0-127	fast to slow
		128	stop
		129-255	reverse slow to fast
30	LED built-in delay	0-255	fast to slow
31	Line light built-in	0-15	no function
		16-17	built-in 1
		18-19	built-in 2
		20-21	built-in 3
		.	.
		168-175	built-in 20
		176-183	built-in 21
		184-191	built-in 22
		192-199	built-in 23
		200-255	no function
32	line light built-in speed	0-127	fast to slow
		128	stop
		129-255	reverse slow to fast

33	Line light built-in delay	0-255	fast to slow
34	Background color	0	no function
		1-2	2700K
		3-4	3200K
		5-6	4200K
		7-8	5600K
		9-10	8000K
		11	Blue
		12-48	G+ ， B=255
		49	Cyan
		50-86	G=255 ， B-
		87	Green
		88-124	R+ ， G=255
		125	Yellow
		126-162	R=255 ， G-
		163	Red
		164-200	R=255 ， B+
		201	Magenta
		202-238	R- ， B=255
		239	Blue
		240-247	Color fade, fast to slow
		248-255	Color jump, fast to slow
35	Background color dimmer	0-255	0-100%
36	Main Dimmer	0-255	0-100%
37	line light dimmer	0-255	0-100%
38	Main Strobe	0-19	off
		20-24	on

		25-64	strobe 1, fast to slow
		65-69	on
		70-84	strobe 2 (fast on, slow off), fast to slow
		85-89	on
		90-104	strobe 3 (slow on, fast off), fast to slow
		105-109	on
		110-124	strobe 4 (random), fast to slow
		125-129	on
		130-144	strobe 5 (random fast on, slow off), fast to slow
		145-149	on
		150-164	strobe 6 (random slow on, fast off), fast to slow
		165-169	on
		170-184	strobe 7 (pulse strobe), fast to slow
		185-189	on
		190-204	strobe 8 (random pulse strobe), fast to slow
		205-209	on
		210-224	strobe 9 (fade), fast to slow
		225-229	on
		230-244	strobe 10 (pulse strobe), fast to slow
		245-255	on
39	line light Strobe	0-19	off
		20-24	on
		25-64	strobe 1, fast to slow
		65-69	on
		70-84	strobe 2 (fast on, slow off), fast to slow
		85-89	on
		90-104	strobe 3 (slow on, fast off), fast to slow
		105-109	on
		110-124	strobe 4 (random), fast to slow
		125-129	on
		130-144	strobe 5 (random fast on, slow off), fast to slow

		145-149	on
		150-164	strobe 6 (random slow on, fast off), fast to slow
		165-169	on
		170-184	strobe 7 (pulse strobe), fast to slow
		185-189	on
		190-204	strobe 8 (random pulse strobe), fast to slow
		205-209	on
		210-224	strobe 9 (fade), fast to slow
		225-229	on
		230-244	strobe 10 (pulse strobe), fast to slow
		245-255	on
40	Zoom 1	0-255	0-100%
41	Zoom 2	0-255	0-100%
....	.....	.....	.....
48	Zoom 9	0-255	0-100%
49	Zoom 10	0-255	0-100%
50	function	0-54	reserved
		55-59	tilt reset
		60-64	zoom reset
		65-69	reserved
		70-74	all reset
		75-79	Cell order 1-10
		80-84	Cell order 10-1
		85-89	reserved
		90-94	tilt reverse
		95-99	reserved
		100-104	disable tilt reverse
		105-134	reserved
		135-139	dimmer fast
		140-144	dimmer smooth

		145-149	Linear
		150-154	Square
		155-159	I Squa
		160-164	Scurve
		165-174	reserved
		175-179	PWM 600Hz
		180-184	PWM 1200Hz
		185-189	PWM 2000Hz
		190-194	PWM 4000Hz
		195-199	PWM 6000Hz
		200-204	PWM 15000Hz
		205-209	Fan auto
		210-214	Fan slow
		215-219	Fan fast
		220-255	reserved
51	red	0-255	0-100%
52	green	0-255	0-100%
53	blue	0-255	0-100%
54	white	0-255	0-100%
55	Cool white dimmer	0-255	0-100%
56	Warm white dimmer	0-255	0-100%
67	R 1	0-255	0-100%
58	G 1	0-255	0-100%
59	B 1	0-255	0-100%
60	W 1	0-255	0-100%
61	R 2	0-255	0-100%
62	G 2	0-255	0-100%
63	B 2	0-255	0-100%
64	W 2	0-255	0-100%

.....	.....	.....	.....
.....	.....	.....	.....
93	R 10	0-255	0-100%
94	G 10	0-255	0-100%
95	B 10	0-255	0-100%
96	W 10	0-255	0-100%
97	Cool W1 dim	0-255	0-100%
98	warm W1 dim	0-255	0-100%
99	Cool W2 dim	0-255	0-100%
100	warm W2 dim	0-255	0-100%
.....	.....	.....	.....
215	Cool W60 dim	0-255	0-100%
216	warm W60 dim	0-255	0-100%

262CH

CH	Function	DMX	explanation
1	Tilt 1	0-255	Min to max angle
2	Tilt fine 1	0-255	16bit fine
....	.....	.....	.....
15	Tilt 8	0-255	Min to max angle
16	Tilt fine 8	0-255	16bit fine
17	Tilt 9	0-255	Min to max angle
18	Tilt fine 9	0-255	16bit fine
19	Tilt 10	0-255	Min to max angle
20	Tilt fine 10	0-255	16bit fine
21	Tilt speed	0-255	From fast to slow
22	Tilt macro	0-4	NO Function
		5-9	Tilt macro 1
		10-14	Tilt macro 2

		15-19	Tilt macro 3
		.	.
		50-54	Tilt macro 10
		55-59	Tilt macro 11
		60-64	Tilt macro 12
		65-69	Tilt macro 13
		70-74	Tilt macro 14
		75-255	NO Function
23	Main CTC	0-255	Color temperature from high to low
24	Line light CTC	0-255	Color temperature from high to low
25	color	0	no function
		1-2	white 2700K
		3-4	white 3200K
		5-6	white 4000K
		7-8	white 4200K
		9-10	white 5600K
		11-12	white 6500K
		13-14	white 7500K
		15	Blue
		16-52	G+，B=255
		53	Cyan
		54-90	G=255 ， B-
		91	Green
		92-128	R+ ， G=255
		129	Yellow
		130-166	R=255 ， G-
		167	Red
		168-204	R=255 ， B+
		205	Magenta
		206-242	R- ， B=255

		243	Blue
		244-249	Color fade, fast to slow
		250-255	Color jump, fast to slow
26	Pattern	0	no function
		1	Pattern 1
		2	Pattern 2
		3	Pattern 3
		.	.
		.	.
		.	.
		253	Pattern 253
		254	Pattern 254
		255	Pattern 255
27	Line light Pattern	0	no function
		1	Pattern 1
		2	Pattern 2
		3	Pattern 3
		.	.
		.	.
		.	.
		253	Pattern 253
		254	Pattern 254
		255	Pattern 255
28	LED built-in effect	0-15	no function
		16-23	built-in 1
		24-31	built-in 2
		32-39	built-in 3
		.	.
		168-175	built-in 20
		176-183	built-in 21

		184-191	built-in 22
		192-199	built-in 23
		200-255	no function
29	LED built-in speed	0-127	fast to slow
		128	stop
		129-255	reverse slow to fast
30	LED built-in delay	0-255	fast to slow
31	Line light built-in	0-15	no function
		16-17	built-in 1
		18-19	built-in 2
		20-21	built-in 3
		.	.
		168-175	built-in 20
		176-183	built-in 21
		184-191	built-in 22
		192-199	built-in 23
		200-255	no function
32	line light built-in speed	0-127	fast to slow
		128	stop
		129-255	reverse slow to fast
33	Line light built-in delay	0-255	fast to slow
34	Background color	0	no function
		1-2	2700K
		3-4	3200K
		5-6	4200K
		7-8	5600K
		9-10	8000K
		11	Blue

		12-48	G+ ， B=255
		49	Cyan
		50-86	G=255 ， B-
		87	Green
		88-124	R+ ， G=255
		125	Yellow
		126-162	R=255 ， G-
		163	Red
		164-200	R=255 ， B+
		201	Magenta
		202-238	R- ， B=255
		239	Blue
		240-247	Color fade, fast to slow
		248-255	Color jump, fast to slow
35	Background color dimmer	0-255	0-100%
36	Background color dimmer Fine	0-255	0-100%
37	Main Dimmer	0-255	0-100%
38	Main Dimmer Fine	0-255	0-100%
39	line light dimmer	0-255	0-100%
40	Main Strobe	0-19	off
		20-24	on
		25-64	strobe 1, fast to slow
		65-69	on
		70-84	strobe 2 (fast on, slow off), fast to slow
		85-89	on
		90-104	strobe 3 (slow on, fast off), fast to slow

		105-109	on
		110-124	strobe 4 (random), fast to slow
		125-129	on
		130-144	strobe 5 (random fast on, slow off), fast to slow
		145-149	on
		150-164	strobe 6 (random slow on, fast off), fast to slow
		165-169	on
		170-184	strobe 7 (pulse strobe), fast to slow
		185-189	on
		190-204	strobe 8 (random pulse strobe), fast to slow
		205-209	on
		210-224	strobe 9 (fade), fast to slow
		225-229	on
		230-244	strobe 10 (pulse strobe), fast to slow
		245-255	on
41	line light Strobe	0-19	off
		20-24	on
		25-64	strobe 1, fast to slow
		65-69	on
		70-84	strobe 2 (fast on, slow off), fast to slow
		85-89	on
		90-104	strobe 3 (slow on, fast off), fast to slow
		105-109	on
		110-124	strobe 4 (random), fast to slow
		125-129	on
		130-144	strobe 5 (random fast on, slow off), fast to slow
		145-149	on
		150-164	strobe 6 (random slow on, fast off), fast to slow
		165-169	on
		170-184	strobe 7 (pulse strobe), fast to slow

		185-189	on
		190-204	strobe 8 (random pulse strobe), fast to slow
		205-209	on
		210-224	strobe 9 (fade), fast to slow
		225-229	on
		230-244	strobe 10 (pulse strobe), fast to slow
		245-255	on
42	Zoom 1	0-255	0-100%
43	Zoom 2	0-255	0-100%
....	.....	.....	.....
50	Zoom 9	0-255	0-100%
51	Zoom 10	0-255	0-100%
52	function	0-54	reserved
		55-59	tilt reset
		60-64	zoom reset
		65-69	reserved
		70-74	all reset
		75-79	Cell order 1-10
		80-84	Cell order 10-1
		85-89	reserved
		90-94	tilt reverse
		95-99	reserved
		100-104	disable tilt reverse
		105-134	reserved
		135-139	dimmer fast
		140-144	dimmer smooth
		145-149	Linear
		150-154	Square
		155-159	I Squa
		160-164	Scurve

		165-174	reserved
		175-179	PWM 600Hz
		180-184	PWM 1200Hz
		185-189	PWM 2000Hz
		190-194	PWM 4000Hz
		195-199	PWM 6000Hz
		200-204	PWM 15000Hz
		205-209	Fan auto
		210-214	Fan slow
		215-219	Fan fast
		220-255	reserved
53	R	0-255	0-100%
54	R fine	0-255	0-100%
55	G	0-255	0-100%
56	G fine	0-255	0-100%
57	B	0-255	0-100%
58	B Fine	0-255	0-100%
59	W	0-255	0-100%
60	W fine	0-255	0-100%
61	Cool white dimmer	0-255	0-100%
62	Warm white dimmer	0-255	0-100%
63	R 1	0-255	0-100%
64	R 1 fine	0-255	0-100%
65	G 1	0-255	0-100%
66	G 1 fine	0-255	0-100%
67	B 1	0-255	0-100%
68	B 1 fine	0-255	0-100%
69	W 1	0-255	0-100%
70	W 1 fine	0-255	0-100%

71	R 2	0-255	0-100%
72	R 2 fine	0-255	0-100%
73	G 2	0-255	0-100%
74	G 2 fine	0-255	0-100%
75	B 2	.....	.....
76	B 2 fine	.....	.....
77	W 2	0-255	0-100%
78	W 2 fine	0-255	0-100%
.....	.....	.....	.....
.....	.....	.....	.....
135	R 10	0-255	0-100%
136	R 10 fine	0-255	0-100%
137	G 10	0-255	0-100%
138	G 10 fine	0-255	0-100%
139	B 10	0-255	0-100%
140	B 10 fine	0-255	0-100%
141	W 10	0-255	0-100%
142	W 10 fine	0-255	0-100%
143	Cool W1 dim	0-255	0-100%
144	Warm W1 dim	0-255	0-100%
145	Cool W2 dim	0-255	0-100%
146	Warm W2 dim	0-255	0-100%
.....	.....	.....	.....
.....	.....	.....	.....
259	Cool W59 dim	0-255	0-100%

260	Warm W59 dim	0-255	0-100%
261	Cool W60 dim	0-255	0-100%
262	Warm W60 dim	0-255	0-100%

282CH

CH	Function	DMX	explanation
1	Tilt 1	0-255	Min to max angle
2	Tilt fine 1	0-255	16bit fine
3	Tilt 2	0-255	Min to max angle
4	Tilt fine 2	0-255	16bit fine
....	.....	.....	.....
15	Tilt 8	0-255	Min to max angle
16	Tilt fine 8	0-255	16bit fine
17	Tilt 9	0-255	Min to max angle
18	Tilt fine 9	0-255	16bit fine
19	Tilt 10	0-255	Min to max angle
20	Tilt fine 10	0-255	16bit fine
21	Tilt speed	0-255	From fast to slow
22	Tilt macro	0-4	NO Function
		5-9	Tilt macro 1
		10-14	Tilt macro 2
		15-19	Tilt macro 3
		.	.
		50-54	Tilt macro 10
		55-59	Tilt macro 11
		60-64	Tilt macro 12
		65-69	Tilt macro 13
		70-74	Tilt macro 14

		75-255	NO Function
23	Main CTC	0-255	Color temperature from high to low
24	Line light CTC	0-255	Color temperature from high to low
25	color	0	no function
		1-2	white 2700K
		3-4	white 3200K
		5-6	white 4000K
		7-8	white 4200K
		9-10	white 5600K
		11-12	white 6500K
		13-14	white 7500K
		15	Blue
		16-52	G+，B=255
		53	Cyan
		54-90	G=255 ， B-
		91	Green
		92-128	R+ ， G=255
		129	Yellow
		130-166	R=255 ， G-
		167	Red
		168-204	R=255 ， B+
		205	Magenta
		206-242	R- ， B=255
		243	Blue
		244-249	Color fade, fast to slow
		250-255	Color jump, fast to slow
26	Pattern	0	no function
		1	Pattern 1
		2	Pattern 2
		3	Pattern 3

		.	.
		.	.
		.	.
		253	Pattern 253
		254	Pattern 254
		255	Pattern 255
27	Line light Pattern	0	no function
		1	Pattern 1
		2	Pattern 2
		3	Pattern 3
		.	.
		.	.
		.	.
		253	Pattern 253
		254	Pattern 254
		255	Pattern 255
28	LED built-in effect	0-15	no function
		16-23	built-in 1
		24-31	built-in 2
		32-39	built-in 3
		.	.
		168-175	built-in 20
		176-183	built-in 21
		184-191	built-in 22
		192-199	built-in 23
		200-255	no function
29	LED built-in speed	0-127	fast to slow
		128	stop
		129-255	reverse slow to fast

30	LED built-in delay	0-255	fast to slow
31	Line light built-in	0-15	no function
		16-17	built-in 1
		18-19	built-in 2
		20-21	built-in 3
		.	.
		168-175	built-in 20
		176-183	built-in 21
		184-191	built-in 22
		192-199	built-in 23
		200-255	no function
32	line light built-in speed	0-127	fast to slow
		128	stop
		129-255	reverse slow to fast
33	Line light built-in delay	0-255	fast to slow
34	Background color	0	no function
		1-2	2700K
		3-4	3200K
		5-6	4200K
		7-8	5600K
		9-10	8000K
		11	Blue
		12-48	G+ ， B=255
		49	Cyan
		50-86	G=255 ， B-
		87	Green
		88-124	R+ ， G=255
		125	Yellow

		126-162	R=255 ， G-
		163	Red
		164-200	R=255 ， B+
		201	Magenta
		202-238	R- ， B=255
		239	Blue
		240-247	Color fade, fast to slow
		248-255	Color jump, fast to slow
35	Background color dimmer	0-255	0-100%
36	Background color dimmer Fine	0-255	0-100%
37	Main Dimmer	0-255	0-100%
38	Main Dimmer Fine	0-255	0-100%
39	line light dimmer	0-255	0-100%
40	Main Strobe	0-19	off
		20-24	on
		25-64	strobe 1, fast to slow
		65-69	on
		70-84	strobe 2 (fast on, slow off), fast to slow
		85-89	on
		90-104	strobe 3 (slow on, fast off), fast to slow
		105-109	on
		110-124	strobe 4 (random), fast to slow
		125-129	on
		130-144	strobe 5 (random fast on, slow off), fast to slow
		145-149	on

		150-164	strobe 6 (random slow on, fast off), fast to slow
		165-169	on
		170-184	strobe 7 (pulse strobe), fast to slow
		185-189	on
		190-204	strobe 8 (random pulse strobe), fast to slow
		205-209	on
		210-224	strobe 9 (fade), fast to slow
		225-229	on
		230-244	strobe 10 (pulse strobe), fast to slow
		245-255	on
41	line light Strobe	0-19	off
		20-24	on
		25-64	strobe 1, fast to slow
		65-69	on
		70-84	strobe 2 (fast on, slow off), fast to slow
		85-89	on
		90-104	strobe 3 (slow on, fast off), fast to slow
		105-109	on
		110-124	strobe 4 (random), fast to slow
		125-129	on
		130-144	strobe 5 (random fast on, slow off), fast to slow
		145-149	on
		150-164	strobe 6 (random slow on, fast off), fast to slow
		165-169	on
		170-184	strobe 7 (pulse strobe), fast to slow
		185-189	on
		190-204	strobe 8 (random pulse strobe), fast to slow
		205-209	on
		210-224	strobe 9 (fade), fast to slow
		225-229	on
		230-244	strobe 10 (pulse strobe), fast to slow

		245-255	on
42	Zoom 1	0-255	0-100%
43	Zoom 2	0-255	0-100%
....	.....	.....	.....
50	Zoom 9	0-255	0-100%
51	Zoom 10	0-255	0-100%
52	function	0-54	reserved
		55-59	tilt reset
		60-64	zoom reset
		65-69	reserved
		70-74	all reset
		75-79	Cell order 1-10
		80-84	Cell order 10-1
		85-89	reserved
		90-94	tilt reverse
		95-99	reserved
		100-104	disable tilt reverse
		105-134	reserved
		135-139	dimmer fast
		140-144	dimmer smooth
		145-149	Linear
		150-154	Square
		155-159	I Squa
		160-164	Scurve
		165-174	reserved
		175-179	PWM 600Hz
		180-184	PWM 1200Hz
		185-189	PWM 2000Hz
		190-194	PWM 4000Hz
		195-199	PWM 6000Hz

		200-204	PWM 15000Hz
		205-209	Fan auto
		210-214	Fan slow
		215-219	Fan fast
		220-255	reserved
53	R	0-255	0-100%
54	R fine	0-255	0-100%
55	G	0-255	0-100%
56	G fine	0-255	0-100%
57	B	0-255	0-100%
58	B Fine	0-255	0-100%
59	W	0-255	0-100%
60	W fine	0-255	0-100%
61	Cool white dimmer	0-255	0-100%
62	Warm white dimmer	0-255	0-100%
63	ALL Dim 1	0-255	0-100%
64	ALL Dim 1 fine	0-255	0-100%
65	R 1	0-255	0-100%
66	R 1 fine	0-255	0-100%
67	G 1	0-255	0-100%
68	G 1 fine	0-255	0-100%
69	B 1	0-255	0-100%
70	B 1 fine	0-255	0-100%
71	W 1	0-255	0-100%
72	W 1 fine	0-255	0-100%
73	ALL Dim 2	0-255	0-100%
74	ALL Dim 2 fine	0-255	0-100%
75	R 2	0-255	0-100%
76	R 2 fine	0-255	0-100%
77	G 2	0-255	0-100%

78	G 2 fine	0-255	0-100%
79	B 2	.....	.....
80	B 2 fine	.....	.....
81	W 2	0-255	0-100%
82	W 2 fine	0-255	0-100%
.....	.....	.....	.....
.....	.....	.....	.....
153	ALL Dim 10	0-255	0-100%
154	ALL Dim 10 fine	0-255	0-100%
155	R 10	0-255	0-100%
156	R 10 fine	0-255	0-100%
157	G 10	0-255	0-100%
158	G 10 fine	0-255	0-100%
159	B 10	0-255	0-100%
160	B 10 fine	0-255	0-100%
161	W 10	0-255	0-100%
162	W 10 fine	0-255	0-100%
163	Cool W1 dim	0-255	0-100%
164	Warm W1 dim	0-255	0-100%
165	Cool W2 dim	0-255	0-100%
166	Warm W2 dim	0-255	0-100%
.....	.....	.....	.....
.....	.....	.....	.....
279	Cool W59 dim	0-255	0-100%

280	Warm W59 dim	0-255	0-100%
281	Cool W60 dim	0-255	0-100%
282	Warm W60 dim	0-255	0-100%

9.Trouble shooting

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

The unit does not work, no light and the fan does not work

Check the connection of power and main fuse.

Measure the mains voltage on the main connector.

Check the power on LED.

Not responding to DMX controller

DMX LED should be on. If not, check DMX connectors, cables to see if link properly.

If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.

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

Try to use another DMX controller.

Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

One of the channels is not working well

The stepper motor might be damaged or the cable connected to the PCB is broken.