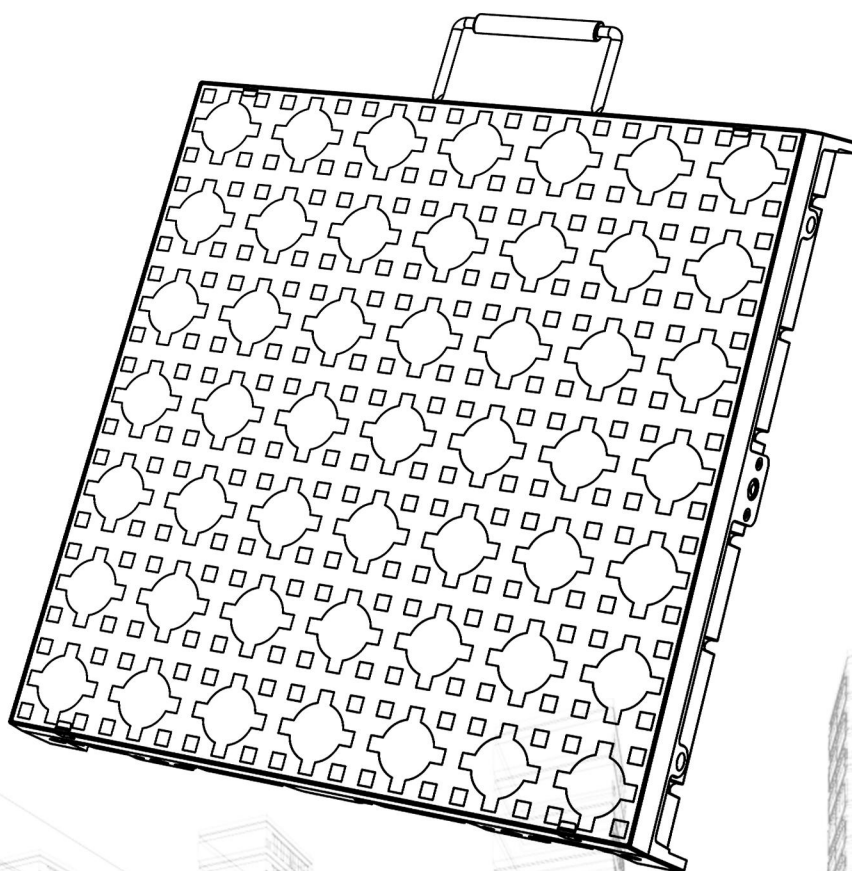




| EXPLORE INFINITE COLORS |



USER MANUAL



MODEL:Q7



VSHOW PRO LIGHTING

Web: www.vshowlight.com

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TEL: 86 20 86319856

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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°C. Maximum ambient temperature TA: 45°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 65°C. 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

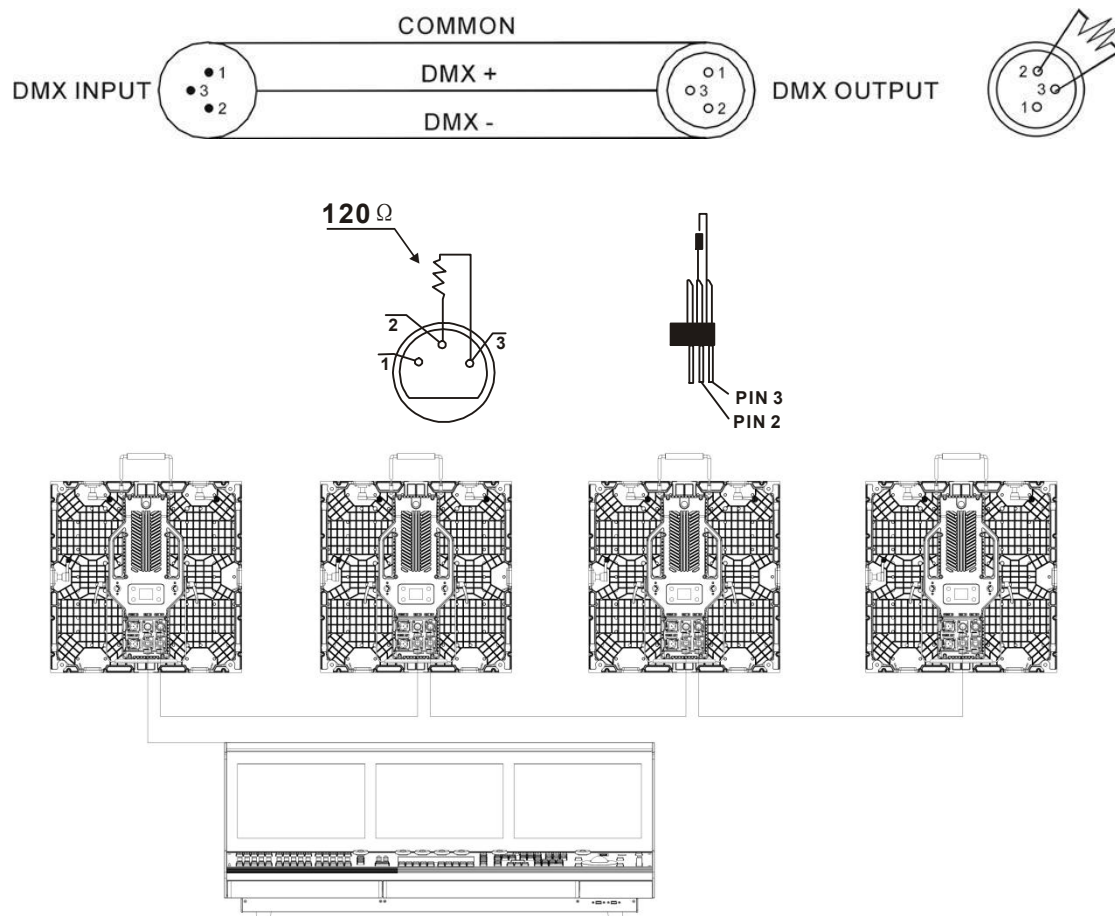
- installations Note: In order to increase protection, please install the lamp on the sidewalk, outside the seating area, or an area where unauthorized persons may touch the led
- Before installing the fixture on any surface, make sure that the installation area can bear the minimum point load above 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 that this 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

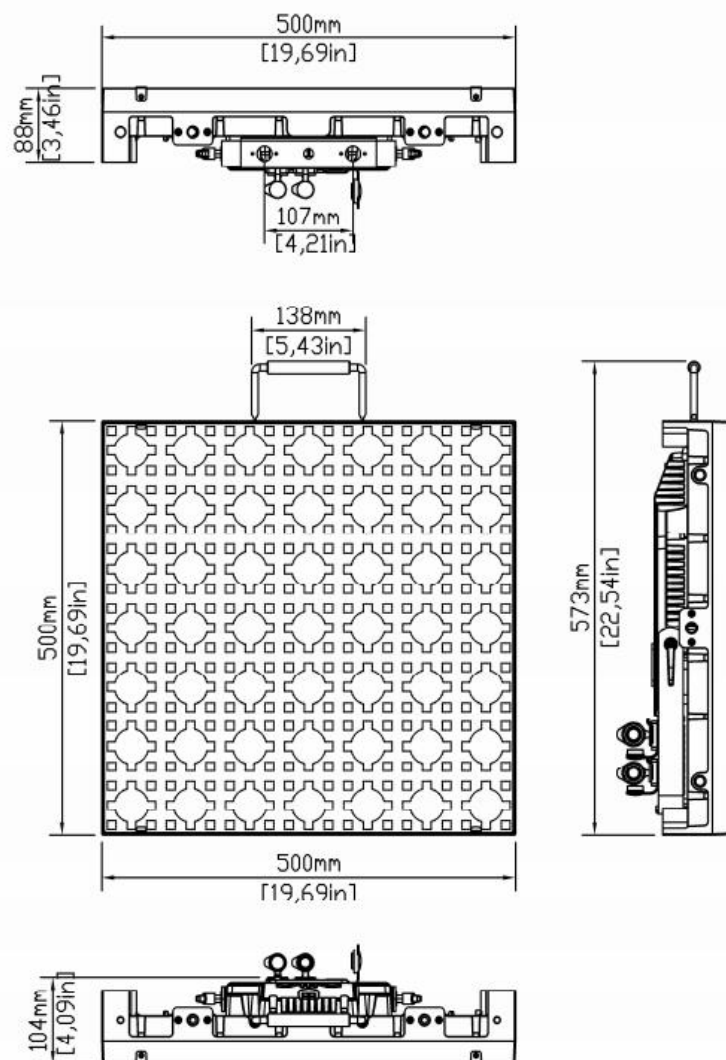
If you use a universal DMX controller to control the units, you have to set DMX address from 1 to 512 so that the units can receive DMX signal.

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 ADDRESS	UNIT2 ADDRESS	UNIT3 ADDRESS	UNIT4 ADDRESS
1CH	1.1	1.2	1.3	1.4
5CH	1.1	1.6	1.11	1.16
7CH	1.1	1.8	1.15	1.22

10CH	1.1	1.11	1.21	1.31
12CH	1.1	1.13	1.25	1.37
13CH	1.1	1.14	1.27	1.40
16CH	1.1	1.17	1.33	1.49
252CH	1.1	1.253	2.1	2.253
1813CH	UNIVERSE1 +MDX1.1	UNIVERSE2 +MDX1.50	UNIVERSE3 +MDX1.99	UNIVERSE4 +MDX1.148
1817CH	UNIVERSE1 +MDX1.1	UNIVERSE2 +MDX1.53	UNIVERSE3 +MDX1.105	UNIVERSE4 +MDX1.157
1825CH	UNIVERSE1 +MDX1.1	UNIVERSE2 +MDX1.57	UNIVERSE3 +MDX1.113	UNIVERSE4 +MDX1.169

5. Fixture size



6.LED technical parameters

Input voltage: 100-240V, 50/60Hz

Power consumption: 700W

Power supply: 800W

Main light source: 49PCSx10W warm white LED (3000K)

Auxiliary light: 441pcs RGBW 0.5W LED

Color System: Excellent Color Macro Effects

Powerful color mixing effect

Rich dynamic color effects

main LED and Auxiliary light controlled separately, Flexible overall and single point control

Pixel and beam can be freely transformed and overlaid for rich effects

Pixel matrix: Main light 49psc controlled separately

Auxiliary light 441 segment independent control

Auxiliary lights can also be independently controlled in 49 segments (9 per set)

LED lifespan:>20000 hours

The starting point of the light bead can be changed in direction

Beam angle: 3°

Matrix Splicing, Assembleable into a Screen

CTO: Adjustable color temperature

DMX channel: 1/5/7/10/12/13/16/252/1813/1817/1825 channels

Operation mode: DMX512、 Auto, master-slave/ RDM /art-net/art-net+DMX

Dimmer: 0-100% smooth linear dimming

Three dimming modes: fast, medium, and slow

Dimming curves: linear, square law, inverse square law, S-curve

Strobe: strong output flicker effect

Display: OLED display

Signal input/output: 3-pin OR 5-pin and RJ45 waterproof XLR sockets

Power socket: Waterproof power connector input/output

Protection level: IP65

Size: 500x500x88mm

Net weight: 11.5kg

Features:

This lamp is a multifunctional effect light with a strong main beam. Paired with auxiliary lighting, the effect is rich and diverse. The overall and single point control is flexible, and pixels and beams can be freely transformed and overlaid for rich effects. The screen is assembled in a matrix style. The starting point of the light bead can be changed in direction Dual system control of DMX and Ethernet

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: UP DOWN UP DOWN

MENU	explain		
Addr	1-512		
Set	Run mode:	DMX/sound/Auto1/auto2/art-net/DMX+Art	
	Channel	1/5/7/10/12/13/16/252/1813/1817/1825CH(Receive dual control signals from DMX and Art-net (only valid for 1813CH, 1817CH, 1825CH))	
	Net work	IP Address	xx.xx.xx.xx
		Net mask	xxx.xxx.xxx.xxx
		universe	Universe:0
			Universe:1
			Universe:2
			Universe:3
		Start channel	001-512
	Pizel flip	0° /90° /180° /270°	
	Signal keep	Off/on	
	Screen saver	Off/on	
	Screen lock	Off/on	
	Dimer curve	Linear/s-curve/Inv sq/ square	
	Dimmer speed	Off/fast/medium/slow	

	Update slave	Off/on
	language	En /中文
	Load default	No/yes
manual	dimmer	0-255
	red	0-255
		0-255
	function	0-255
calib	Pass	xxxx
Advan	Record effect	Off/on
	Play effect	Off/on
	Sync effect	Off/on
Note	System info	xxx
	DMX Data	xxx
	SD card info	xxx
	Hard ware	xxx
	software	xxx

8. Channel

1Channel

CH	Function	DMX	explanation
1	dimmer	0-255	0-100%

5Channel

CH	Function	DMX	explanation
1	R	0-255	0-100%
2	G	0-255	0-100%
3	B	0-255	0-100%
4	W	0-255	0-100%
5	WW	0-255	0-100%

7Channel

CH	Function	DMX	explanation
1	dimmer	0-255	0-100%
2	R	0-255	0-100%
3	G	0-255	0-100%
4	B	0-255	0-100%
5	W	0-255	0-100%
6	WW	0-255	0-100%
7	strobe	0-010	No function
		11-255	Strobe fast-slow

10Channel

CH	Function	DMX	explanation
1	dimmer	0-255	0-100%
2	Dimmer fine	0-255	0-100%
3	R	0-255	0-100%
4	G	0-255	0-100%
5	B	0-255	0-100%
6	W	0-255	0-100%
7	WW	0-255	0-100%
8	strobe	0-010	No function
		11-255	Strobe fast-slow
9	macro	0-5	No function
		6-13	R
		14-021	G
		22-29	B
		30-37	W
		38-45	WW
		46-53	RG
		54-61	RB

		62-69	RW
		70-77	R-WW
		78-85	GB
		86-93	GW
		94-101	G-WW
		102-109	BW
		110-117	B-WW
		118-125	W-WW
		126-133	RGB
		134-141	RGW
		142-149	RG-WW
		150-157	RBW
		158-165	RB-WW
		166-173	RW-WW
		174-181	GBW
		182-189	GB-WW
		190-197	BW-WW
		198-205	RGBW
		206-213	RGB-WW
		214-221	GBW-WW
		222-229	RBW-WW
		230-237	RGBW-WW
		238-255	No function
10	color Temperature	0-5	No function
		6-018	2700K
		019-031	2800K
			
		214-226	9500K
		227-239	10000K
		240-255	No function

12Channel

CH	Function	DMX	explanation
1	dimmer	0-255	0-100%
2	R	0-255	0-100%
3	G	0-255	0-100%
4	B	0-255	0-100%
5	W	0-255	0-100%
6	WW	0-255	0-100%
7	strobe	0-010	No function
		11-255	Strobe fast-slow
8	macro	0-5	No function
		6-13	R
		14-021	G
		22-29	B
		30-37	W
		38-45	WW
		46-53	RG
		54-61	RB
		62-69	RW
		70-77	R-WW
		78-85	GB
		86-93	GW
		94-101	G-WW
		102-109	BW
		110-117	B-WW
		118-125	W-WW
		126-133	RGB
		134-141	RGW
		142-149	RG-WW
		150-157	RBW

		158-165	RB-WW
		166-173	RW-WW
		174-181	GBW
		182-189	GB-WW
		190-197	BW-WW
		198-205	RGBW
		206-213	RGB-WW
		214-221	GBW-WW
		222-229	RBW-WW
		230-237	RGBW-WW
		238-255	No function
9	color Temperature	0-5	No function
		6-018	2700K
		019-031	2800K
			
		214-226	9500K
		227-239	10000K
		240-255	No function
10	effect	0-4	No function
		5-9	RGBW Effect 1
		10-14	RGBW Effect 2
			
		150-154	RGBW Effect 30
		155-159	WW Effect 1
		160-164	WW Effect 2
		...	
		240-255	WW Effect 21
11	Effect speed	0-255	Speed slow-fast
12	function	0-31	No function
		32-39	Dimmer: S-Curve

		40-47	Dimmer: Linear
		48-55	Dimmer: Square
		56-63	Dimmer: Inverse Square
		64-71	Dimmer mode off
		72-79	Dimmer fast
		80-87	Dimmer medium
		88-95	Dimmer slow
		96-103	Pixel Flipping:Normal
		104-111	Pixel Flipping:Flip Right 90°
		112-119	Pixel Flipping:Flip Right 180°
		120-127	Pixel Flipping:Flip Right 270°
		128-255	No Function

13Channel

CH	Function	DMX	explanation
1	dimmer	0-255	0-100%
2	Dimmer fine	0-255	0-100%
3	R	0-255	0-100%
4	R fine	0-255	0-100%
5	G	0-255	0-100%
6	G fine	0-255	0-100%
7	B	0-255	0-100%
8	B fine	0-255	0-100%
9	W	0-255	0-100%
10	W fine	0-255	0-100%
11	WW	0-255	0-100%
12	WW fine	0-255	0-100%
13	strobe	0-010	No function
		11-255	Strobe fast-slow

16Channel

CH	Function	DMX	explanation
1	dimmer	0-255	0-100%
2	Dimmer fine	0-255	0-100%
3	R	0-255	0-100%
4	R fine	0-255	0-100%
5	G	0-255	0-100%
6	G fine	0-255	0-100%
7	B	0-255	0-100%
8	B fine	0-255	0-100%
9	W	0-255	0-100%
10	W fine	0-255	0-100%
11	WW	0-255	0-100%
12	WW fine	0-255	0-100%
13	strobe	0-010	No function
		11-255	Strobe fast-slow
14	macro	0-5	No function
		6-13	R
		14-021	G
		22-29	B
		30-37	W
		38-45	WW
		46-53	RG
		54-61	RB
		62-69	RW
		70-77	R-WW
		78-85	GB
		86-93	GW
		94-101	G-WW
		102-109	BW

		110-117	B-WW
		118-125	W-WW
		126-133	RGB
		134-141	RGW
		142-149	RG-WW
		150-157	RBW
		158-165	RB-WW
		166-173	RW-WW
		174-181	GBW
		182-189	GB-WW
		190-197	BW-WW
		198-205	RGBW
		206-213	RGB-WW
		214-221	GBW-WW
		222-229	RBW-WW
		230-237	RGBW-WW
		238-255	No function
15	color Temperature	0-5	No function
		6-018	2700K
		019-031	2800K
			
		214-226	9500K
		227-239	10000K
		240-255	No function
16	function	0-31	No function
		32-39	Dimmer: S-Curve
		40-47	Dimmer: Linear
		48-55	Dimmer: Square
		56-63	Dimmer: Inverse Square
		64-71	Dimmer mode off

		72-79	Dimmer fast
		80-87	Dimmer medium
		88-95	Dimmer slow
		96-103	Pixel Flipping:Normal
		104-111	Pixel Flipping:Flip Right 90°
		112-119	Pixel Flipping:Flip Right 180°
		120-127	Pixel Flipping:Flip Right 270°
		128-255	No Function

252Channel

CH	Function	DMX	explanation
1	All dimmer	0-255	0-100%
2	All dimmer fine	0-255	0-100%
3	RGBW dimmer	0-255	0-100%
4	RGBW dimmer fine	0-255	0-100%
5	WW dimmer	0-255	0-100%
6	WW dimmer fine	0-255	0-100%
7	R 1	0-255	0-100%
8	G 1	0-255	0-100%
9	B 2	0-255	0-100%
10	W 2	0-255	0-100%
...	...		
199	R 49	0-255	0-100%
200	G 49	0-255	0-100%
201	B 49	0-255	0-100%
202	W 49	0-255	0-100%
203	WW 1	0-255	0-100%
...	...	...	...
251	WW 49	0-255	0-100%
252	strobe	0-010	No function
		11-255	Strobe fast-slow

1813Cahnnel

CH			Function	DMX	explanation
Art-net	Art-net+DMX		/	/	/
Art-net	Art-net	DMX	/	/	/
1	1	/	R 1	0-255	0-100%
2	2	/	G 1	0-255	0-100%
3	3	/	B 1	0-255	0-100%
4	4	/	W 1	0-255	0-100%
5	5	/	R 2	0-255	0-100%
6	6	/	G 2	0-255	0-100%
7	7	/	B 2	0-255	0-100%
8	8	/	W 2	0-255	0-100%
...	...	/			
1757	1757	/	R 440	0-255	0-100%
1758	1758	/	G 440	0-255	0-100%
1759	1759	/	B 440	0-255	0-100%
1760	1760	/	W 440	0-255	0-100%
1761	1761	/	R 441	0-255	0-100%
1762	1762	/	G 441	0-255	0-100%
1763	1763	/	B 441	0-255	0-100%
1764	1764	/	W 441	0-255	0-100%
1765		1	WW 1	0-255	0-100%
1766		2	WW 2	0-255	0-100%
...	...				
1812		48	WW 48	0-255	0-100%
1813		49	WW 49	0-255	0-100%

1817Cahnnel

CH			Function	DMX	explanation
Art-net	Art-net+DMX		/	/	/
Art-net	Art-net	DMX	/	/	/
1	1	/	R 1	0-255	0-100%
2	2	/	G 1	0-255	0-100%
3	3	/	B 1	0-255	0-100%
4	4	/	W 1	0-255	0-100%
5	5	/	R 2	0-255	0-100%
6	6	/	G 2	0-255	0-100%
7	7	/	B 2	0-255	0-100%
8	8	/	W 2	0-255	0-100%

...	...	/			
1757	1757	/	R 440	0-255	0-100%
1758	1758	/	G 440	0-255	0-100%
1759	1759	/	B 440	0-255	0-100%
1760	1760	/	W 440	0-255	0-100%
1761	1761	/	R 441	0-255	0-100%
1762	1762	/	G 441	0-255	0-100%
1763	1763	/	B 441	0-255	0-100%
1764	1764	/	W 441	0-255	0-100%
1765	/	1	WW 1	0-255	0-100%
1766	/	2	WW 2	0-255	0-100%
...	/				
1812	/	48	WW 48	0-255	0-100%
1813	/	49	WW 49	0-255	0-100%
1814	/	50	All dimmer	0-255	0-100%
1815	/	51	RGBW dimmer	0-255	0-100%
1816	/	52	WW dimmer	0-255	0-100%
1817	/	53	function	0-31	No function
	/			32-39	Dimmer: S-Curve
	/			40-47	Dimmer: Linear
	/			48-55	Dimmer: Square
	/			56-63	Dimmer: Inverse Square
	/			64-71	Dimmer mode off
	/			72-79	Dimmer fast
	/			80-87	Dimmer medium
	/			88-95	Dimmer slow
	/			96-103	Pixel Flipping:Normal
	/			104-111	Pixel Flipping:Flip Right
	/			112-119	Pixel Flipping:Flip Right
	/			120-127	Pixel Flipping:Flip Right
	/			128-255	No Function

1825Cahnnel

CH			Function	DMX	explanation
Art-net	Art-net+DMX		/	/	/
Art-net	Art-net	DMX	/	/	/
1	1	/	R 1	0-255	0-100%
2	2	/	G 1	0-255	0-100%
3	3	/	B 1	0-255	0-100%

4	4	/	W 1	0-255	0-100%
5	5	/	R 2	0-255	0-100%
6	6	/	G 2	0-255	0-100%
7	7	/	B 2	0-255	0-100%
8	8	/	W 2	0-255	0-100%
...	...	/			
1757	1757	/	R 440	0-255	0-100%
1758	1758	/	G 440	0-255	0-100%
1759	1759	/	B 440	0-255	0-100%
1760	1760	/	W 440	0-255	0-100%
1761	1761	/	R 441	0-255	0-100%
1762	1762	/	G 441	0-255	0-100%
1763	1763	/	B 441	0-255	0-100%
1764	1764	/	W 441	0-255	0-100%
1765	/	1	WW 1	0-255	0-100%
1766	/	2	WW 2	0-255	0-100%
...	/				
1812	/	48	WW 48	0-255	0-100%
1813	/	49	WW 49	0-255	0-100%
1814	/	50	All dimmer	0-255	0-100%
1815	/	51	All Dimmer fine	0-255	0-100%
1816	/	52	RGBW dimmer	0-255	0-100%
1817	/	53	RGBW dimmer fine	0-255	0-100%
1818	/	54	WW dimmer	0-255	0-100%
1819	/	55	WW Dimmer fine	0-255	0-100%
1820	/	56	strobe	0-010	No function
				11-255	Strobe fast-slow
1821	/	57	macro	0-5	No function
				6-13	R
				14-021	G
				22-29	B
				30-37	W
				38-45	WW

				46-53	RG
				54-61	RB
				62-69	RW
				70-77	R-WW
				78-85	GB
				86-93	GW
				94-101	G-WW
				102-109	BW
				110-117	B-WW
				118-125	W-WW
				126-133	RGB
				134-141	RGW
				142-149	RG-WW
				150-157	RBW
				158-165	RB-WW
				166-173	RW-WW
				174-181	GBW
				182-189	GB-WW
				190-197	BW-WW
				198-205	RGBW
				206-213	RGB-WW
				214-221	GBW-WW
				222-229	RBW-WW
				230-237	RGBW-WW
				238-255	No function
1822	/	58	color Temperature	0-5	No function
				6-018	2700K
				019-031	2800K
					
				214-226	9500K
				227-239	10000K
				240-255	No function
1823	/	59	effect	0-4	No function
				5-9	RGBW Effect 1
				10-14	RGBW Effect 2

					
				150-154	RGBW Effect 30
				155-159	WW Effect 1
				160-164	WW Effect 2
				...	
				240-255	WW Effect 20
1824	/	60	Effect speed	0-255	Speed slow-fast
1825	/	61	function	0-31	No function
				32-39	Dimmer: S-Curve
				40-47	Dimmer: Linear
				48-55	Dimmer: Square
				56-63	Dimmer: Inverse Square
				64-71	Dimmer mode off
				72-79	Dimmer fast
				80-87	Dimmer medium
				88-95	Dimmer slow
				96-103	Pixel Flipping:Normal
				104-111	Pixel Flipping:Flip Right
				112-119	Pixel Flipping:Flip Right
				120-127	Pixel Flipping:Flip Right
				128-255	No Function

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.