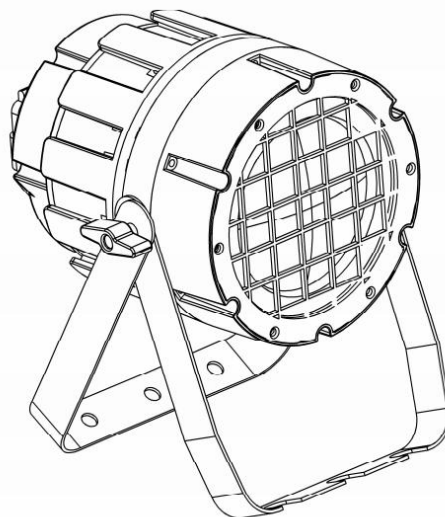


L3 FLEX



User Manual

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: -20°C. Maximum ambient temperature TA: 60°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

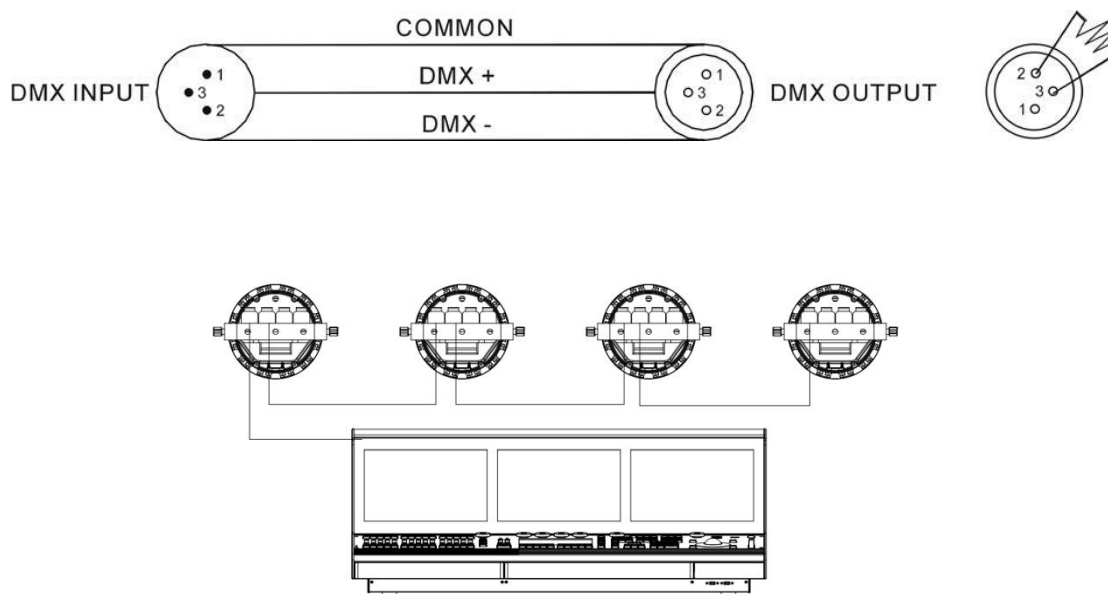
- installations Note: In order to increase protection, please install the lamp on the sidewalk, outside the seating area, or an area where unauthorized persons may touch the led
- Before installing the fixture on any surface, make sure that the installation area can bear the minimum point load above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

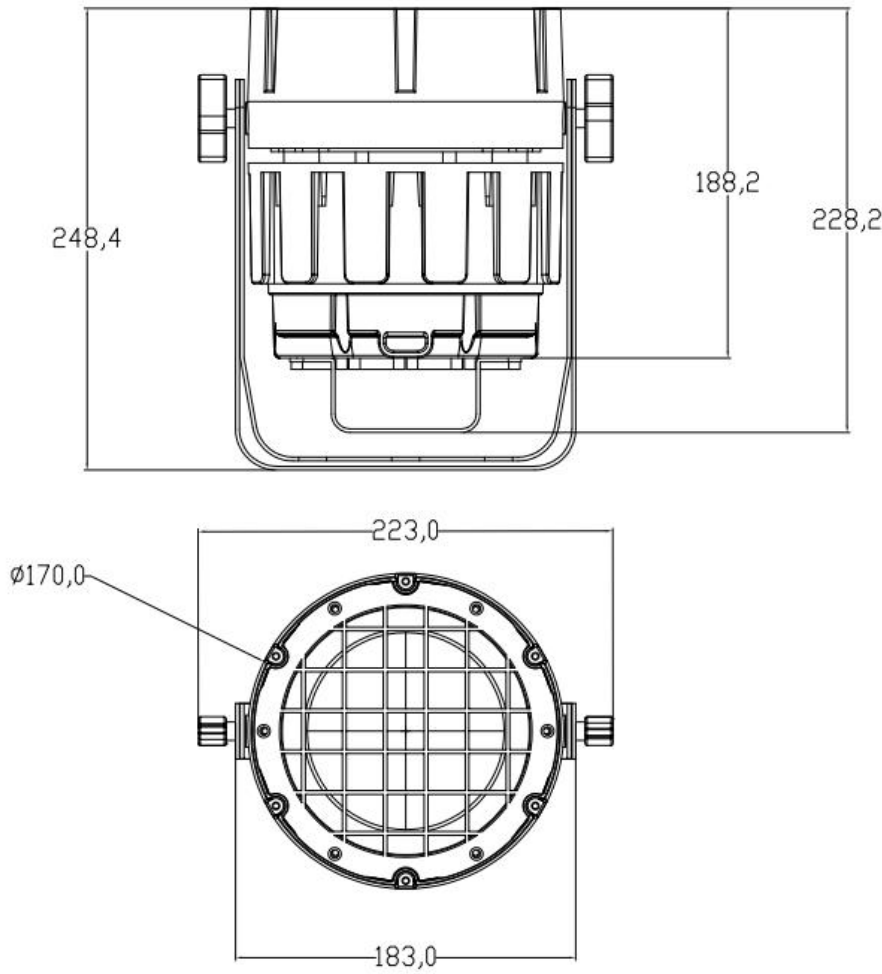
If you use a universal DMX controller to control the units, you have to set DMX address from 1 to 512 so that the units can receive DMX signal.

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 DX512 channel for the first 4 units.

Channel MODE	UNIT1 ADDRESS	UNIT2 ADDRESS	UNIT3 ADDRESS	UNIT4 ADDRESS
1CH	1	2	3	4
2CH	1	3	5	7
3CH	1	4	7	10
4CH	1	5	9	13
6CH	1	7	13	19
7CH	1	8	15	22
13CH	1	14	27	40
21CH	1	22	43	64
10CH RGB	1	11	21	22
15CH RGB	1	16	31	46

10CH CMY	1	11	21	22
15CH CMY	1	16	31	46
9CH	1	10	19	28
30CH	1	31	61	91

5. Fixture size



6.LED technical parameters

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

Power consumption:300W

Power supply: 300W

Main light source:

R(MAX76W),G(MAX68W),B(MAX72W),L(MAX71W),A(MAX71W),C(MAX72W)
RGBLAC(MAX380W)

Auxiliary light 32PCSX0.2W 5050RGB 3IN1

Color System: Excellent Color Macro Effects

Powerful color mixing effect

Rich dynamic color effects

LED lifespan:>20000 hours

CTO:1800k-8500k

Beam angle: 35 °

DMX channel: 1/2/3/4/6/7/13/21/10/15/9/30channels

Operation mode: DMX512、 Auto, master-slave/ RDM

Dimmer: 0-100% smooth linear dimming

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

Dimming speed: fast, slow

dimmer mode :stage,TV,architecture,theater,stage,standard

Strobe: 1-25HZ strong output flicker effect

Multiple dimming frequency switching

Display: OLED display

Signal input/output: 3-pin or 5-pin waterproof XLR sockets

Power socket: Waterproof power connector input/output

Protection level: IP65

Clever modular design, suitable for single light, single eye, two eye, or four eye use, etc

Size: 223x170x248mm

Net weight: 4.5kg

Feature

This lighting fixture uses 250W RGBELAC6IN1LED as the light source, which has outstanding color mixing effect. Equipped with auxiliary lighting effects as point light sources, the effects are rich and varied. LEDs can be controlled point by point, allowing for flexible color switching. Multi speed strobe effect, smooth dimming function from 0 to 100%. The dimming refresh rate is adjustable, and it is also equipped with multiple dimming modes and dimming curves. Suitable for any location

7.Menu Description

Main Menu	Sub menu	scope	Instructions
DMX mode	Channel	1CH/2CH/3CH/4CH/6CH/7CH/13CH/21CH/RGB10CH/RGB15CH/CMY10CH/CMY15CH/9CH/ 30CH	
	Address	001 -512	
auto	Dimmer	000- 255	
	effect	00 -4	
	Speed	000 -100	
	S effect	00 -20	
	S Speed	000-100 (default 90)	
	S Color	00-07 (default 1)	
	S BG Color	000 -255	
Manual	Dimmer	000-255	
	Red	000-255	
	Green	000-255	
	Blue	000-255	
	Lemon	000-255	
	Amber	000-255	
	Cyan	000-255	
CCT	dimmer	000-255	
	CCT	1800K-8500K	
Color card	dimmer	000- 255	White balance: Correct the RGB combination to white (around 6500K), and do not change the values arbitrarily afterwards, otherwise it will affect the output of the color card, RGB, and CMY channels
	color	01 -60	
	WB R	000-255	
	WB G	000-255	
	WB B	000-255	
Setting	Signal status	Clear/Hold	

	MS switch	Shut down/Turn on	Shut down: Do not send host data to slave Turn on: Send host data to slave
	Fan mode	fan high /fan auto	
	LED direction	Positive/reverse	Only applicable to auxiliary lighting
	Dim Curve	Linear/Square/Anti-Square/S-Line	
	Dim Mode	Standard/Stage/TV /Architectural/Theatre /Stage2	Standard:Fast dimming Stage/TV/Architecture/Theater: Smooth Dimming Stage 2: Fast light up, smooth light off
	Card Fade	000-255	Only applicable to color card fading speed
	Bulb Effect	Shut down/Turn on	Only applicable to color temperature
	Dim Freq	2K/4K/7K/9K/11K/14K/16K/18K/21K/23K	
	Output Mode	Full power/Low power	
	Output balance	Bright/uniform	
	Screen Saver	Shut down/Turn on	Turn on: Enter screensaver after 30 seconds
	Lock	Shut down/Turn on	
	Language	中文/English	
	Rotation	Shut down/Turn on	
	Restore	Shut down/Turn on	
Lamp Info	Use Time	00	
	Current Temp	xx℃	
	Max Temp	xx℃	
	Fan Status	Stop/Run	
	VER		

8. DMX512

1Channel

CH	Function	DMX	explain
1	ALL Dimmer	0-255	0-100%

2Channel

CH	Function	DMX	explain
1	ALL Dimmer	0-255	0-100%
2	strobe	0-31	Close
		32-63	Open
		64-95	strobe
		96-127	open
		128-159	Pulse strobe
		160-191	open
		192-223	Random strobe
		224-255	open

3Channel

CH	Function	DMX	explain
1	ALL Dimmer	0-255	0-100%
2	strobe	0-31	Close
		32-63	Open
		64-95	strobe
		96-127	open
		128-159	Pulse strobe
		160-191	open
		192-223	Random strobe

		224-255	open
3	CCT	0-17	No function
		18-85	1800k-8500k (See table below)
		86-255	8500k

4channel

CH	Function	DMX	explain
1	ALL Dimmer	0-255	0-100%
2	Red	0-255	0-100%
3	Green	0-255	0-100%
4	Blue	0-255	0-100%

6channel

CH	Function	DMX	explain
1	Red	0-255	0-100%
2	Green	0-255	0-100%
3	Blue	0-255	0-100%
4	Lemon	0-255	0-100%
5	Amber	0-255	0-100%
6	Cyan	0-255	0-100%

7channel

CH	Function	DMX	explain
1	ALL Dimmer	0-255	0-100%
2	Dimmer fine	0-255	0-100%
3	strobe	0-31	Close
		32-63	Open
		64-95	strobe
		96-127	open
		128-159	Pulse strobe
		160-191	open
		192-223	Random strobe

		224-255	open
4	CCT	0-17	No function
		18-85	1800k-8500k (See table below)
		86-255	8500k
5	Red green ratio (Only used for CCT)	0	No function
		1-127	-100% - 0%
		128	No function
		129-255	0% - +100%
6	Color macro	0	No function
		1-179	1-179: Color card (See table below)
			Color scrolling
		180-201	Clockwise (from fast to slow speed)
		202-207	stop
		208-229	counterclockwise (from slow to fast speed)
		230-234	stop
			Random display colors
		235-239	Fast
		240-244	Medium
		245-249	slow
		250-255	stop
7	function	0-24	No function
		25-34	Full power output
		35-44	Low power output
		45-99	No function
		100-105	2KHZ
		106-111	4KHZ
		112-117	7KHZ
		118-123	9KHZ

		124-129	11KHZ
		130-135	14KHZ
		136-141	16KHZ
		142-147	18KHZ
		148-153	21KHZ
		154-168	23KHZ
		168-180	No function
		181-182	Bright
		183-184	Uniform
		185-200	No function
		201-210	Linear
		211-220	square
		221-230	Inverse Square
		231-240	S-Linear
		241-255	No function

13Channel

CH	Function	DMX	explain
1	ALL Dimmer	0-255	0-100%
2	Dimmer fine	0-255	0-100%
3	strobe	0-31	Close
		32-63	Open
		64-95	strobe
		96-127	open
		128-159	Pulse strobe
		160-191	open
		192-223	Random strobe
		224-255	open
4	Red	0-255	0-100%
5	Green	0-255	0-100%
6	Blue	0-255	0-100%

7	Lemon	0-255	0-100%
8	Amber	0-255	0-100%
9	Cyan	0-255	0-100%
10	CCT	0-17	No function
		18-85	1800k-8500k (See table below)
		86-255	8500k
11	Red green ratio (Only used for CCT)	0	No function
		1-127	-100% - 0%
		128	No function
		129-255	0% - +100%
12	Color macro	0	No function
		1-179	1-179: Color card (See table below)
			Color scrolling
		180-201	Clockwise (from fast to slow speed)
		202-207	stop
		208-229	counterclockwise (from slow to fast speed)
		230-234	stop
			Random display colors
		235-239	Fast
		240-244	Medium
		245-249	slow
		250-255	stop
13	function	0-24	No function
		25-34	Full power output
		35-44	Low power output
		45-99	No function

		100-105	2KHZ
		106-111	4KHZ
		112-117	7KHZ
		118-123	9KHZ
		124-129	11KHZ
		130-135	14KHZ
		136-141	16KHZ
		142-147	18KHZ
		148-153	21KHZ
		154-168	23KHZ
		168-180	No function
		181-182	Bright
		183-184	Uniform
		185-200	No function
		201-210	Linear
		211-220	square
		221-230	Inverse Square
		231-240	S-Linear
		241-255	No function

21Channel

CH	Function	DMX	explain
1	ALL Dimmer	0-255	0-100%
2	Dimmer fine	0-255	0-100%
3	strobe	0-31	Close
		32-63	Open
		64-95	strobe
		96-127	open
		128-159	Pulse strobe
		160-191	open
		192-223	Random strobe
		224-255	open

4	Red	0-255	0-100%
5	Red fine	0-255	0-100%
6	Green	0-255	0-100%
7	Green fine	0-255	0-100%
8	Blue	0-255	0-100%
9	Blue fine	0-255	0-100%
10	Lemon	0-255	0-100%
11	Lemon fine	0-255	0-100%
12	Amber	0-255	0-100%
13	Amber fine	0-255	0-100%
14	Cyan	0-255	0-100%
15	Cyan fine	0-255	0-100%
16	CCT	0-17	No function
		18-85	1800k-8500k (See table below)
		86-255	8500k
17	CCT fine	0-255	0-100%
18	Red green ratio (Only used for CCT)	0	No function
		1-127	-100% - 0%
		128	No function
		129-255	0% - +100%
19	Color macro	0	No function
		1-179	1-179: Color card (See table below)
			Color scrolling

		180-201	Clockwise (from fast to slow speed)
		202-207	stop
		208-229	counterclockwise (from slow to fast speed)
		230-234	stop
			Random display colors
		235-239	Fast
		240-244	Medium
		245-249	slow
		250-255	stop
20	function	1-20	Standard
		21-40	stage
		41-60	TV
		61-80	Architecture
		81-100	Theater
		101-120	Stage2
			Color Macro Fade Time
		121-141	Fast-slow
		142-149	No function
		150-154	Tungsten wire effect open
		155-159	Tungsten wire effect off
		160-255	No function
21	function	0-24	No function
		25-34	Full power output
		35-44	Low power output
		45-99	No function
		100-105	2KHZ
		106-111	4KHZ
		112-117	7KHZ
		118-123	9KHZ

		124-129	11KHZ
		130-135	14KHZ
		136-141	16KHZ
		142-147	18KHZ
		148-153	21KHZ
		154-168	23KHZ
		168-180	No function
		181-182	Bright
		183-184	Uniform
		185-200	No function
		201-210	Linear
		211-220	square
		221-230	Inverse Square
		231-240	S-Linear
		241-255	No function

10channel (RGB Mode)

CH	Function	DMX	explain
1	ALL Dimmer	0-255	0-100%
2	Dimmer fine	0-255	0-100%
3	strobe	0-31	Close
		32-63	Open
		64-95	strobe
		96-127	open
		128-159	Pulse strobe
		160-191	open
		192-223	Random strobe
		224-255	open
		86-255	8500k
4	Red	0-255	0-100%
5	Green	0-255	0-100%

6	Blue	0-255	0-100%
7	CCT	0-17	No function
		18-85	1800k-8500k (See table below)
		86-255	8500k
8	Red green ratio (Only used for CCT)	0	No function
		1-127	-100% - 0%
		128	No function
		129-255	0% - +100%
9	Color macro	0	No function
		1-179	1-179: Color card (See table below)
			Color scrolling
		180-201	Clockwise (from fast to slow speed)
		202-207	stop
		208-229	counterclockwise (from slow to fast speed)
		230-234	stop
			Random display colors
		235-239	Fast
		240-244	Medium
		245-249	slow
		250-255	stop
10	function	0-24	No function
		25-34	Full power output
		35-44	Low power output
		45-99	No function
		100-105	2KHZ
		106-111	4KHZ

		112-117	7KHZ
		118-123	9KHZ
		124-129	11KHZ
		130-135	14KHZ
		136-141	16KHZ
		142-147	18KHZ
		148-153	21KHZ
		154-168	23KHZ
		168-180	No function
		181-182	Bright
		183-184	Uniform
		185-200	No function
		201-210	Linear
		211-220	square
		221-230	Inverse Square
		231-240	S-Linear
		241-255	No function

15channel (RGB Mode)

CH	Function	DMX	explain
1	ALL Dimmer	0-255	0-100%
2	Dimmer fine	0-255	0-100%
3	strobe	0-31	Close
		32-63	Open
		64-95	strobe
		96-127	open
		128-159	Pulse strobe
		160-191	open
		192-223	Random strobe
		224-255	open
		86-255	8500k

4	Red	0-255	0-100%
5	Red fine	0-255	0-100%
6	green	0-255	0-100%
7	Green fine	0-255	0-100%
8	blue	0-255	0-100%
9	Blue fine	0-255	0-100%
10	CCT	0-17	No function
		18-85	1800k-8500k (See table below)
		86-255	8500k
11	CCT fine	0-255	0-100%
12	Red green ratio (Only used for CCT)	0	No function
		1-127	-100% - 0%
		128	No function
		129-255	0% - +100%
13	Color macro	0	No function
		1-179	1-179: Color card (See table below)
			Color scrolling
		180-201	Clockwise (from fast to slow speed)
		202-207	stop
		208-229	counterclockwise (from slow to fast speed)
		230-234	stop
			Random display colors
		235-239	Fast
		240-244	Medium

		245-249	slow
		250-255	stop
14	function	1-20	Standard
		21-40	stage
		41-60	TV
		61-80	Architecture
		81-100	Theater
		101-120	Stage2
			Color Macro Fade Time
		121-141	Fast-slow
		142-149	No function
		150-154	Tungsten wire effect open
		155-159	Tungsten wire effect off
		160-255	No function
15	function	0-24	No function
		25-34	Full power output
		35-44	Low power output
		45-99	No function
		100-105	2KHZ
		106-111	4KHZ
		112-117	7KHZ
		118-123	9KHZ
		124-129	11KHZ
		130-135	14KHZ
		136-141	16KHZ
		142-147	18KHZ
		148-153	21KHZ
		154-168	23KHZ
		168-180	No function
		181-182	Bright
		183-184	Uniform

		185-200	No function
		201-210	Linear
		211-220	square
		221-230	Inverse Square
		231-240	S-Linear
		241-255	No function

10channel (CMY Mode)

CH	Function	DMX	explain
1	ALL Dimmer	0-255	0-100%
2	Dimmer fine	0-255	0-100%
3	strobe	0-31	Close
		32-63	Open
		64-95	strobe
		96-127	open
		128-159	Pulse strobe
		160-191	open
		192-223	Random strobe
		224-255	open
		86-255	8500k
4	Lemon	0-255	0-100%
5	Amber	0-255	0-100%
6	Cyan	0-255	0-100%
7	CCT	0-17	No function
		18-85	1800k-8500k (See table below)
		86-255	8500k
8	Red green ratio (Only used for CCT)	0	No function
		1-127	-100% - 0%
		128	No function

		129-255	0% - +100%
9	Color macro	0	No function
		1-179	1-179: Color card (See table below)
			Color scrolling
		180-201	Clockwise (from fast to slow speed)
		202-207	stop
		208-229	counterclockwise (from slow to fast speed)
		230-234	stop
			Random display colors
		235-239	Fast
		240-244	Medium
		245-249	slow
		250-255	stop
10	function	0-24	No function
		25-34	Full power output
		35-44	Low power output
		45-99	No function
		100-105	2KHZ
		106-111	4KHZ
		112-117	7KHZ
		118-123	9KHZ
		124-129	11KHZ
		130-135	14KHZ
		136-141	16KHZ
		142-147	18KHZ
		148-153	21KHZ
		154-168	23KHZ
		168-180	No function

		181-182	Bright
		183-184	Uniform
		185-200	No function
		201-210	Linear
		211-220	square
		221-230	Inverse Square
		231-240	S-Linear
		241-255	No function

15channel （CMY Mode）

CH	Function	DMX	explain
1	ALL Dimmer	0-255	0-100%
2	Dimmer fine	0-255	0-100%
3	strobe	0-31	Close
		32-63	Open
		64-95	strobe
		96-127	open
		128-159	Pulse strobe
		160-191	open
		192-223	Random strobe
		224-255	open
		86-255	8500k
4	Lemon	0-255	0-100%
5	Lemon fine	0-255	0-100%
6	Amber	0-255	0-100%
7	Amber fine	0-255	0-100%
8	Cyan	0-255	0-100%
9	Cyan fine	0-255	0-100%
10	CCT	0-17	No function

		18-85	1800k-8500k (See table below)
		86-255	8500k
11	CCT fine	0-255	0-100%
12	Red green ratio (Only used for CCT)	0	No function
		1-127	-100% - 0%
		128	No function
		129-255	0% - +100%
13	Color macro	0	No function
		1-179	1-179: Color card (See table below)
			Color scrolling
		180-201	Clockwise (from fast to slow speed)
		202-207	stop
		208-229	counterclockwise (from slow to fast speed)
		230-234	stop
			Random display colors
		235-239	Fast
		240-244	Medium
		245-249	slow
		250-255	stop
14	function	1-20	Standard
		21-40	stage
		41-60	TV
		61-80	Architecture
		81-100	Theater
		101-120	Stage2
			Color Macro Fade Time

		121-141	Fast-slow
		142-149	No function
		150-154	Tungsten wire effect open
		155-159	Tungsten wire effect off
		160-255	No function
15	function	0-24	No function
		25-34	Full power output
		35-44	Low power output
		45-99	No function
		100-105	2KHZ
		106-111	4KHZ
		112-117	7KHZ
		118-123	9KHZ
		124-129	11KHZ
		130-135	14KHZ
		136-141	16KHZ
		142-147	18KHZ
		148-153	21KHZ
		154-168	23KHZ
		168-180	No function
		181-182	Bright
		183-184	Uniform
		185-200	No function
		201-210	Linear
		211-220	square
		221-230	Inverse Square
		231-240	S-Linear
		241-255	No function

9channel

CH	Function	DMX	explain
1	Red	0-255	0-100%
2	Green	0-255	0-100%
3	Blue	0-255	0-100%
4	Lemon	0-255	0-100%
5	Amber	0-255	0-100%
6	Cyan	0-255	0-100%
7	Auxiliary Red	0-255	0-100%
8	Auxiliary green	0-255	0-100%
9	Auxiliary blue	0-255	0-100%

30channel

CH	Function	DMX	explain
1	ALL Dimmer	0-255	0-100%
2	Dimmer fine	0-255	0-100%
3	strobe	0-31	Close
		32-63	Open
		64-95	strobe
		96-127	open
		128-159	Pulse strobe
		160-191	open
		192-223	Random strobe
		224-255	open
4	Red	0-255	0-100%
5	Red fine	0-255	0-100%
6	Green	0-255	0-100%

7	Green fine	0-255	0-100%
8	Blue	0-255	0-100%
9	Blue fine	0-255	0-100%
10	Lemon	0-255	0-100%
11	Lemon fine	0-255	0-100%
12	Amber	0-255	0-100%
13	Amber fine	0-255	0-100%
14	Cyan	0-255	0-100%
15	Cyan fine	0-255	0-100%
16	CCT	0-17	No function
		18-85	1800k-8500k (See table below)
		86-255	8500k
17	CCT fine	0-255	0-100%
18	Red green ratio (Only used for CCT)	0	No function
		1-127	-100% - 0%
		128	No function
		129-255	0% - +100%
19	Color macro	0	No function
		1-179	1-179: Color card (See table below)
			Color scrolling
		180-201	Clockwise (from fast to slow speed)
		202-207	stop
		208-229	counterclockwise (from slow to fast speed)

		230-234	stop
			Random display colors
		235-239	Fast
		240-244	Medium
		245-249	slow
		250-255	stop
20	Auxiliary dimmer	0-255	0-100%
21	Auxiliary red	0-255	0-100%
22	Auxiliary green	0-255	0-100%
23	Auxiliary blue	0-255	0-100%
24	Auxiliary strobe	0-31	Close
		32-63	Open
		64-95	strobe
		96-127	open
		128-159	Pulse strobe
		160-191	open
		192-223	Random strobe
		224-255	open
25	Auxiliary effect	0-5	No function
		6-17	Effect cycle
		18-29	Effect 1
		30-41	Effect 2
		42-53	Effect 3
		54-65	Effect 4
		66-77	Effect 5
		78-89	Effect 6
		90-101	Effect 7
		102-113	Effect 8
		114-125	Effect 9
		126-137	Effect 10

		138-149	Effect 11
		150-161	Effect 12
		162-173	Effect 13
		174-185	Effect 14
		186-197	Effect 15
		198-209	Effect 16
		210-221	Effect 17
		222-233	Effect 18
		234-255	Effect 19
26	Effect speed	1-255	Slow-fast
27	Auxiliary Effect fade	1-255	Fast-slow
28	Auxiliary Back color	1-36	red
		38-73	green
		75-110	blue
		112-147	yellow
		149-184	pink
		196-221	cyan
		223-255	white
29	function	1-20	Standard
		21-40	stage
		41-60	TV
		61-80	Architecture
		81-100	Theater
		101-120	Stage2
			Color Macro Fade Time
		121-141	Fast-slow
		142-149	No function
		150-154	Tungsten wire effect open
		155-159	Tungsten wire effect off
		160-255	No function

30	function	0-24	No function
		25-34	Full power output
		35-44	Low power output
		45-99	No function
		100-105	2KHZ
		106-111	4KHZ
		112-117	7KHZ
		118-123	9KHZ
		124-129	11KHZ
		130-135	14KHZ
		136-141	16KHZ
		142-147	18KHZ
		148-153	21KHZ
		154-168	23KHZ
		168-180	No function
		181-182	Bright
		183-184	Uniform
		185-200	No function
		201-210	Linear
		211-220	square
		221-230	Inverse Square
		231-240	S-Linear
		241-255	No function

CCT value

DMX value	CCT (K)	DMX value	CCT (K)
18	1800	57	5700
19	1900	58	5800
20	2000	59	5900
21	2100	60	6000
22	2200	61	6100

23	2300	62	6200
24	2400	63	6300
25	2500	64	6400
26	2600	65	6500
27	2700	66	6600
28	2800	67	6700
29	2900	68	6800
30	3000	69	6900
31	3100	70	7000
32	3200	71	7100
33	3300	72	7200
34	3400	73	7300
35	3500	74	7400
36	3600	75	7500
37	3700	76	7600
38	3800	77	7700
39	3900	78	7800
40	4000	79	7900
41	4100	80	8000
42	4200	81	8100
43	4300	82	8200
44	4400	83	8300
45	4500	84	8400
46	4600	85	8500
47	4700		
48	4800		
49	4900		
50	5000		
51	5100		
52	5200		
53	5300		
54	5400		
55	5500		
56	5600		

Color Macro

number	value	Color	number	RANGE	value
1	1-3	Oyster white	31	92-94	Heather violet
2	4-6	Beige	32	95-97	Blue lilac
3	7-9	golden	33	98-100	Pearl Purple

4	10-12	Beige color	34	101-103	Pearl Blackberry
5	13-15	Ivory color	35	104-106	Pigeon Blue
6	16-18	Light ivory color	36	107-109	Azure blue
7	19-21	dark yellow	37	110-112	Light Blue
8	22-24	canary yellow	38	113-115	Gentian Blue
9	25-27	Light Orange Yellow	39	116-118	Bright Blue
10	28-30	Yellow Orange	40	119-121	Capri blue
11	31-33	Light Orange	41	122-124	Water Blue
12	34-36	Pure Orange	42	125-127	Far Blue
13	37-39	Salmon Orange	43	128-130	wathet
14	40-42	Pearl Orange	44	131-133	Pearl Gentian Blue
15	43-45	Flame Red	45	134-136	Pearl Night Blue
16	46-48	Signal red	46	137-139	patina green
17	49-51	Carmine	47	140-142	Emerald Green
18	52-54	Ruby Red	48	143-145	Leaf green
19	55-57	Purple red	49	146-148	Grass green
20	58-60	Tomato red	50	149-151	Yellow green
21	61-63	Antique pink	51	152-154	Green traffic
22	64-66	rose pink	52	155-157	Fern green
23	67-69	Coral Red	53	158-160	Opal green
24	70-72	rose	54	161-163	Light green
25	73-75	Traffic Red	55	164-166	Pastel turquoise
26	76-78	Pearl ruby red	56	167-169	Silk Grey
27	79-81	Eastern Red	57	170-172	Cream color
28	82-84	Wine Red	58	173-175	Signal white
29	85-87	Oxidation Red	59	176-178	Light brown
30	88-91	Red lilac	60	179	Orange yellow brown

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

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