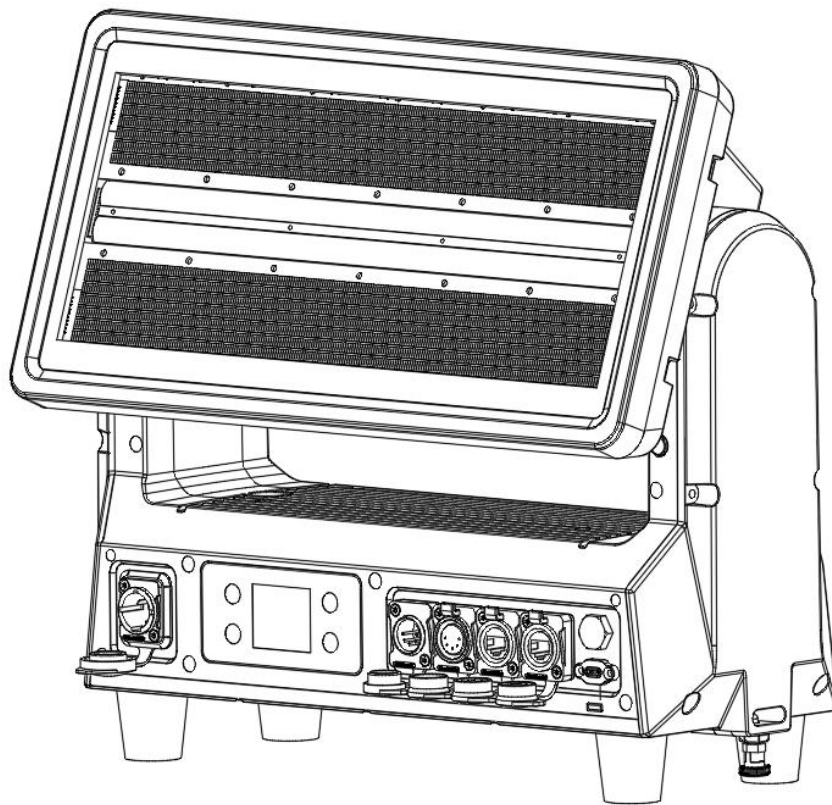


Strike Pro IP



USER MANUAL

KEEP THIS USER MANUAL FOR FUTURE NEEDS

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 safely correctly.
We suggest that the installation and operation should be done by the verified technician
and follow the instruction strictly.



CAUTION!

Keep this device away from rain and moisture!



CAUTION!

Unplug mains lead before device's installation, cleaning and maintenance!

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow carefully the instructions of this manual

INTRODUCTION

Thank you for having chosen this professional moving head.
You will see you have acquired a powerful and versatile device.
Unpack the device. Inside the carton box you should find:

1. One power in cable
2. One 3 Pin DMX cable(5 Pin optional)
3. Two mounted brackets
4. One safety rope
5. One English user manual

(Flight case, Clamps are optional, please contact your dealer)

Please check carefully that there is no damage caused by transportation. Should there be any questions, please consult your dealer and don't install this device.

GENERAL GUIDELINES

This device is a lighting effect for a professional use on stages, TV, in discotheques, theaters, etc., The device was designed for indoor use only.

This fixture is only allowed to be operated with the max alternating current which stated in the technical specifications in 6th page of this manual.

Lighting effects are not designed for permanent operation. Consistent operation breaks may ensure that the device will serve you for a long time without defects.

Do not shake the device. Avoid brute force when installing or operating the device.
While choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. Please don't project the beam onto combustible substances. The minimum distance between light-output from the projector and the

illuminated surface must be more than 0,5 meter.

If you use the quick lock cam in hanging up the fixture, please make sure the quick lock fasteners turned in the quick lock holes correctly.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation.

Please use the original packaging if the device is to be transported.

For safety reasons, please be aware that all modifications on the device are forbidden. If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to short-circuit, burns, electric shock, crash, etc.

SAFETY INSTRUCTIONS

CAUTION!



Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

1. In order to guarantee the product's life, please don't put it in the damp places or even the environment over 60degrees.
2. Always mount this unit in safe and stable matter.

The qualified professionals are allowed to carry out the lamp installation, operation and maintenance, but they must guarantee to operate in strict accordance with the instructions referred to.

▲ 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.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperatures.

This device falls under protection-class I . Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord. During initial start-up some smoke or smell may arise. This is a normal process and does

not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.



CAUTION!

Never touch the device during operation!
The housing may heat up!



CAUTION!

Never look directly into the light source,
As sensitive persons may suffer an epileptic shock.

Please be aware that damages caused by manual modifications to be the device are not subject to warranty. Keep away from children and non-professionals.

CLEANING AND MAINTENANCE

1. To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
2. Do not spill water or other liquids into or on to your unit.
3. During long periods of non-use, disconnect the unit's main power.
4. It should be installed in a well-ventilated place, at a distance of 50 centimeters or more with the walls. At the same time, please check if the fan and ventilation holes are unobstructed.

The following points have to be considered during the inspection

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing. Fixations and installations spots(ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



CAUTION!

Disconnect from mains before starting maintenance operation!

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.

- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint-free cloth. Never use alcohol or solvents.

TECHNICAL PARAMETERS

LIGHT SOURCE & OPTIC

Light source:

RGBW color washing light source: 784 pcs × 2W × 4-color 5050 LED

White light strobe light source: 392 pcs × 2W Cool White LED

RGB Zones: 14 independently controllable zones

White Light Zones: 28 independently controllable zones

Beam Angle: Combined light 98 ° × 57 ° , strobe light 95 ° × 50 °

Luminous Flux: Up to 71620 lumens

Color Temperature: Approx. 6000K (Daylight)

EFFECTS

Dimming: 16-bit high-precision dimming for ultra-smooth transitions

Strobe: Electronic strobe, rate 0 – 30 Hz

Other Features: Adjustable PWM frequency (up to 25kHz) for flicker-free filming

CONTROL & PROGRAM

Control Mode: DMX512、Art-Net、sACN、RDM

DMX Channel: 8CH/11CH/13CH/15CH/24CH/31CH/47CH/74CH/111CH

POWER SUPPLY

Power Voltage: AC100V-240V 50/60Hz

Power Consumption: 1400W

Power connection: Waterproof power input/output

DMX connection: 3-pin/5-pin XLR Connector

MOVEMENT

Tilt Range: 180 ° electronic tilt

BODY

Protection Rating: IP65

Working temperature: -10°C ~ +40°C

Shell: All aluminum die-cast, black baked paint

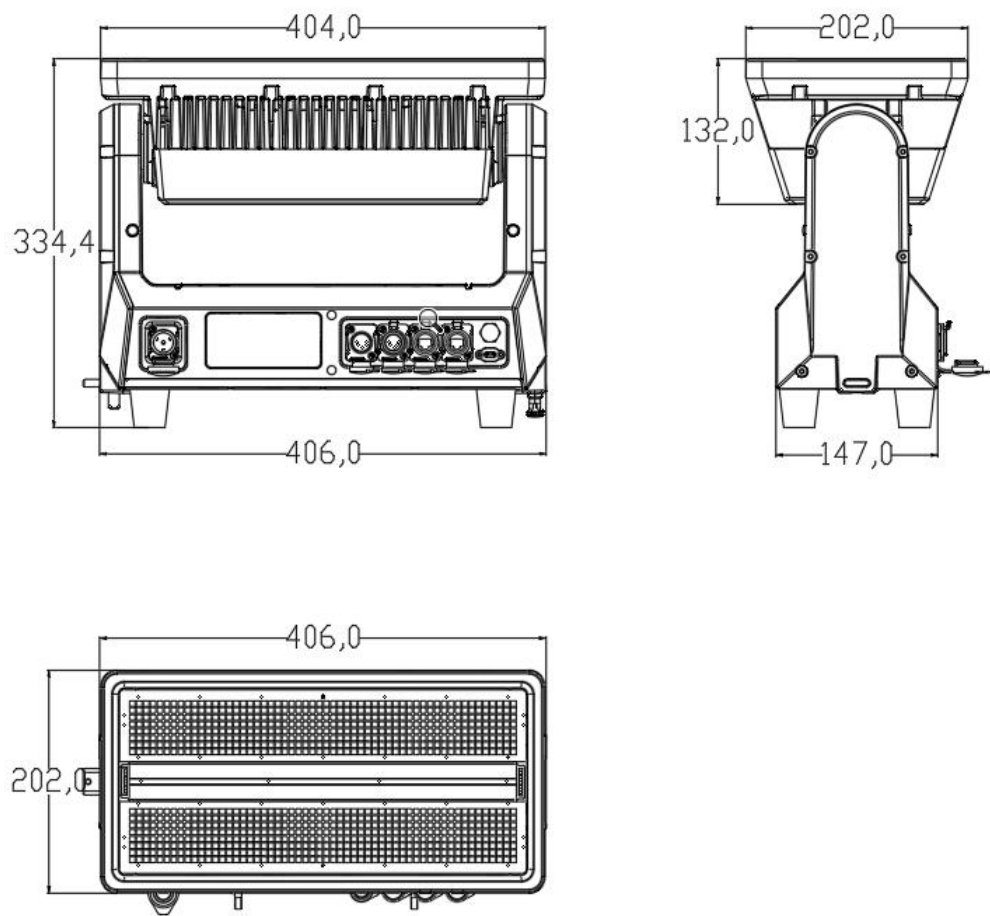
Display: LCD Display with 4 Touch Buttons

WEIGHT & SIZE

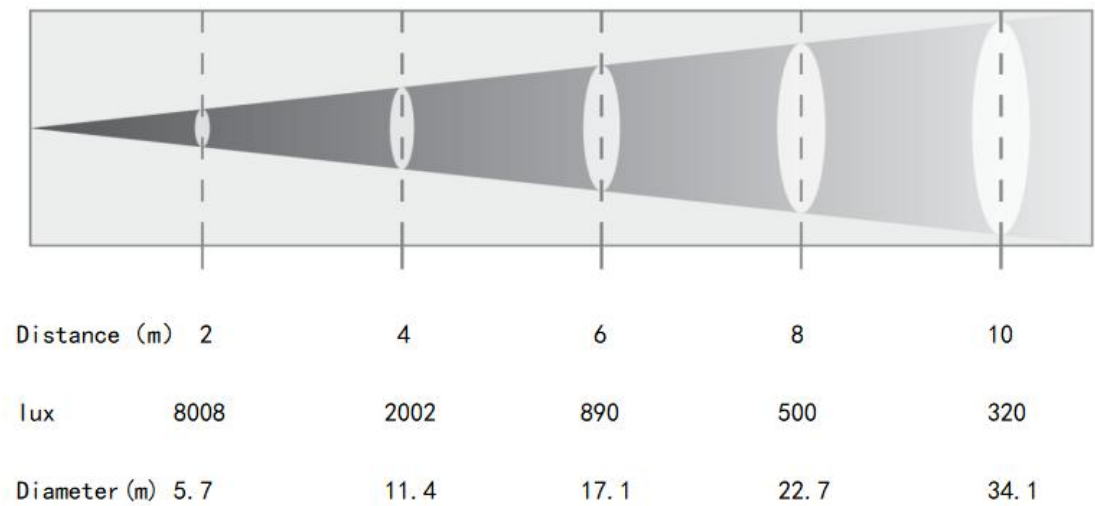
Dimension: 406*334.4*202mm

N.W.: 10.8 kg

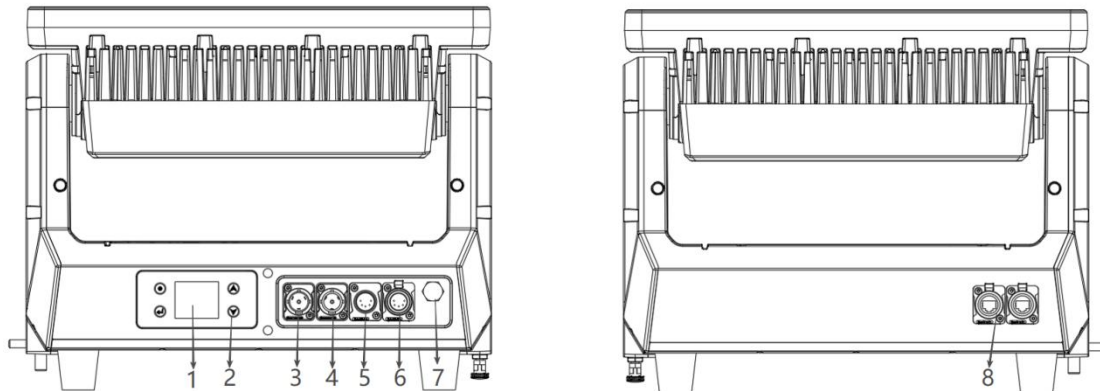
Product Dimension



Photometric Diagram



Control Panel



1. Display	To show the various menus and the selected function	
2.Buttons	MENU	To enter into, move backward or leave the menu
	▲ UP	To go backward or move up in the menu
	▼ DOWN	To go forward or move down in the menu
	ENTER	To perform the desired functions
3.Power In	To connect to supply power	
4.Power Out	To connect to the next fixture	
5.DMX In	For DMX512 link, use 3-pin XLR cable to link the unit and DMX controller	
6.DMX Out	For DMX512 link, use 3-pin XLR cable to link the next units	
7. RELEASE VALVE		
8. ETHERNET	For use with sACN or Art-Net controls	

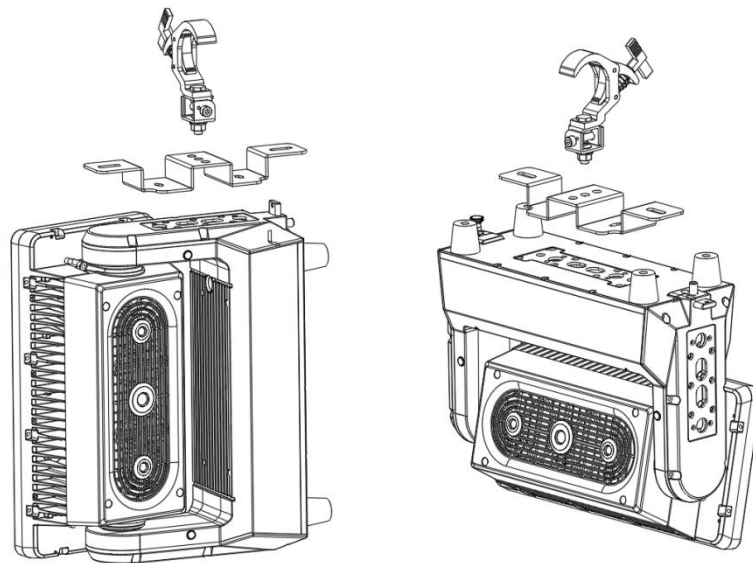
This product uses IP65 waterproof power cable IN/OUT

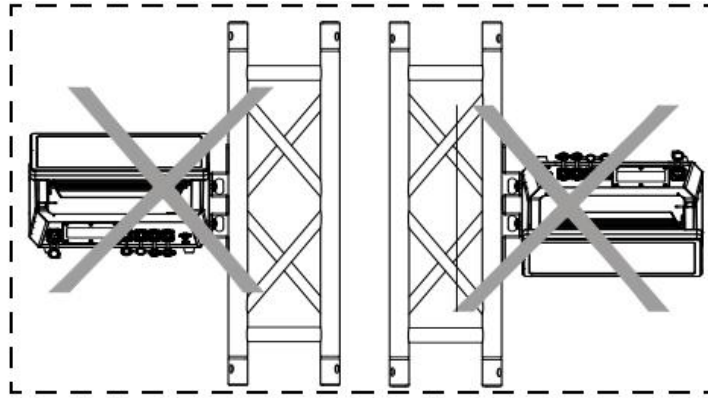
Hand-in-hand method to connect power lines

Note: Due to power reasons, a 1.5 square millimeter power cable can only power a maximum of 4 units (230V), and 120V can only power a maximum of 2 units.

Lighting installation

1. The installation of the equipment should be carried out by professionals, and the area where the lighting fixtures may be accessible to unauthorized personnel should be kept away. Do not stand directly below the lighting fixtures when assembling, disassembling, or repairing them.
2. When installing lighting fixtures, make sure they are securely installed to prevent them from shaking and falling off during operation. Also, ensure that the structure used to fix the lighting fixtures can support 10 times the weight of the fixtures without deforming. At the same time as installing the lighting fixtures, use a safety rope that can support 12 times the weight of the fixtures to ensure that the fixtures will not fall off if the clamp fails.
3. This lamp is fully operable in three different installation positions: suspended, hanging, or placed on a flat horizontal surface. Always use and install the attached safety rope as a safety measure to prevent the lamp from being accidentally damaged or causing personal injury when the fixture fails.





Lighting setup

Menu function

- First use requires unlocking the menu, press the [▲UP] and [▼DOWN] buttons twice, then press the [ENTER] key to unlock.
- Use the [ENTER], [▲UP], and [▼DOWN] buttons to navigate the menu.
- Press the [ENTER] button to select menu options or confirm the selected settings.
- Return to the previous menu without making any changes. Press the [MENU] button to return and exit.
- Long-time inactivity will automatically lock the screen of the lighting equipment, which needs to be unlocked by pressing the [▲UP] and [▼DOWN] buttons twice in sequence and then pressing the [ENTER] key.

Menu functions as follows

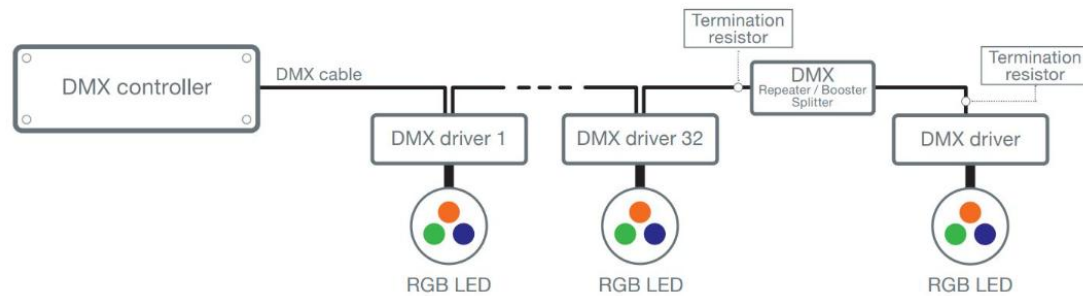
Level 1	Level 2	Level 3	Level 4	Level 5	
DMX Setup	Dmx Address	1 - 512			
	Channel Mode	08CH			
		11CH			
		13CH			
		15CH			
		24CH			
		31CH			
		47CH			
		74CH			
		111CH			
	Run Mode	DMX			
		Auto			
		Scene			
Network	Control Mode	DMX			

		ArtNet			
		sACN			
	IP Mode	Dynamic			
		Static			
	ArtNet	0 - 255			
	sACN	1 - 255			
	IP Address	xxx.xxx.xxx.x			
	Sub Mask	xxx.xxx.xxx.x			
Personality	Tilt Inverse	No			
		Yes			
	Tilt Feedback	Off			
		On			
	Dimmer Curve	Linear			
		Square Law			
		Inv SQ Law			
		S-Curve			
	Dimmer Frequency	4000Hz			
		8000Hz			
		12000Hz			
		20000Hz			
		24000Hz			
		32000Hz			
	Dimmer Speed	Fast			
		Slow			
	No Data Mode	Blackout			
		Hold			
	Fan Mode	Regulate			
		Theater			
		Full			
	M/S Mode	Slave			
		Master			
	Pixel Invert	Plate 1 Invert	No		
			Yes		
		Plate 2 Invert	No		
			Yes		
		Tube1 Invert 1	No		
			Yes		
		Tube1 Invert 2	No		
			Yes		
	LED Array Swap	Plate Swap	No		
			Yes		
		Beam Swap	No		
			Yes		
Display	Display	Normal			

		Rotate 180°			
	Screen Switch	On			
		Off			
	Screen Lock	Off			
		On			
	Language	English			
		Chinese			
Motor Reset	All	No			
		Yes			
Manual Control	Tilt	0 - 255			
	. . .	0 - 255			
Scene Editing	Scene1	Scene state			
		Hold time			
		Cyan			
		. . .			
	Scene2				
	Scene3				
DMX Live	Tilt	0 - 255			
	. . .	0 - 255			
Service	Password	Calibration	Motor	Tilt	-128 ->
		Factory Default	No		
			Yes		
		Clear Power On Time	No		
			Yes		
		Clear Lamp Hours	No		
			Yes		
Information	Power On	xxxxxH			
	LED Hours	xxxxxH			
	SW Version	1U: Vx.x.x			
	RDM UID	0xXXXX-XXX			

Control By Universal DMX Controller

DMX512 Connection



DMX signal line connection diagram

- At last unit, the DMX cable has to be terminated with a terminator. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last unit.
 - Connect the unit together in a “daisy chain” by XLR plug cable from the output of the unit to the input of the next unit. The cable can only be used in series and cannot be connected in parallel. DMX 512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
 - The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the units’ power is disconnected.
 - Each lighting unit needs to have a DMX address to receive the data by the controller. The address number is between 1-512.
 - Each lighting unit needs to have a DMX address to receive the data by the controller. The address number is between 1-512.
 - 3 pin XLR connectors are more popular than 5 pins XLR.
3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)
- 5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin4, Pin5 not used.

Address 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 the main menu, select DMX settings, press the ENTER button to confirm, use the UP/DOWN buttons to select the address code (1-512), and press the ENTER button to save.

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

Channel	Address	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
8CH	001-008	1	9	17	25
11CH	001-011	1	12	23	34
13CH	001-013	1	14	27	40
15CH	001-015	1	16	31	46
24CH	001-024	1	25	49	73
31CH	001-031	1	32	63	94
47CH	001-047	1	48	95	142
74CH	001-074	1	75	149	223
111CH	001-111	1	112	223	334

DMX Channel

111CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Master dimmer	000-255	0-100%
4	Plate dimmer	000-255	0-100%
5	Beam dimmer	000-255	0-100%
6	Plate flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
7	Plate flash rate	000-009	100%

		010-250	Slow to fast
		251-255	100%
8	Beam flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
9	Beam flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
10	Plate pixel 1 red	000-255	0-100%
11	Plate pixel 1 green	000-255	0-100%
12	Plate pixel 1 blue	000-255	0-100%
13	Plate pixel 1 white		
14	Plate pixel 2 red	000-255	0-100%
15	Plate pixel 2 green	000-255	0-100%
16	Plate pixel 2 blue	000-255	0-100%
17	Plate pixel 2 white		
18	Plate pixel 3 red	000-255	0-100%
19	Plate pixel 3 green	000-255	0-100%
20	Plate pixel 3 blue	000-255	0-100%
21	Plate pixel 3 white		
22	Plate pixel 4 red	000-255	0-100%
23	Plate pixel 4 green	000-255	0-100%
24	Plate pixel 4 blue	000-255	0-100%
25	Plate pixel 4 white		
26	Plate pixel 5 red	000-255	0-100%
27	Plate pixel 5 green	000-255	0-100%
28	Plate pixel 5 blue	000-255	0-100%
29	Plate pixel 5 white		
30	Plate pixel 6 red	000-255	0-100%
31	Plate pixel 6 green	000-255	0-100%
32	Plate pixel 6 blue	000-255	0-100%
33	Plate pixel 6 white		
34	Plate pixel 7 red	000-255	0-100%
35	Plate pixel 7 green	000-255	0-100%
36	Plate pixel 7 blue	000-255	0-100%
37	Plate pixel 7 white		
38	Plate pixel 8 red	000-255	0-100%
39	Plate pixel 8 green	000-255	0-100%
40	Plate pixel 8 blue	000-255	0-100%
41	Plate pixel 8 white		
42	Plate pixel 9 red	000-255	0-100%
43	Plate pixel 9 green	000-255	0-100%
44	Plate pixel 9 blue	000-255	0-100%
45	Plate pixel 9 white		

46	Plate pixel 10 red	000-255	0-100%
47	Plate pixel 10	000-255	0-100%
48	Plate pixel 10 blue	000-255	0-100%
49	Plate pixel 10		
50	Plate pixel 11 red	000-255	0-100%
51	Plate pixel 11	000-255	0-100%
52	Plate pixel 11 blue	000-255	0-100%
53	Plate pixel 11		
54	Plate pixel 12 red	000-255	0-100%
55	Plate pixel 12	000-255	0-100%
56	Plate pixel 12 blue	000-255	0-100%
57	Plate pixel 12		
58	Plate pixel 13red	000-255	0-100%
59	Plate pixel 13	000-255	0-100%
60	Plate pixel 13 blue	000-255	0-100%
61	Plate pixel 13		
62	Plate pixel 14 red	000-255	0-100%
63	Plate pixel 14	000-255	0-100%
64	Plate pixel 14 blue	000-255	0-100%
65	Plate pixel 14		
66	Beam pixel 1	000-255	0-100%
67	Beam pixel 2	000-255	0-100%
68	Beam pixel 3	000-255	0-100%
69	Beam pixel 4	000-255	0-100%
70	Beam pixel 5	000-255	0-100%
71	Beam pixel 6	000-255	0-100%
72	Beam pixel 7	000-255	0-100%
73	Beam pixel 8	000-255	0-100%
74	Beam pixel 9	000-255	0-100%
75	Beam pixel 10	000-255	0-100%
76	Beam pixel 11	000-255	0-100%
77	Beam pixel 12	000-255	0-100%
78	Beam pixel 13	000-255	0-100%
79	Beam pixel 14	000-255	0-100%
80	Beam pixel 15	000-255	0-100%
81	Beam pixel 16	000-255	0-100%
82	Beam pixel 17	000-255	0-100%
83	Beam pixel 18	000-255	0-100%
84	Beam pixel 19	000-255	0-100%
85	Beam pixel 20	000-255	0-100%
86	Beam pixel 21	000-255	0-100%
87	Beam pixel 22	000-255	0-100%
88	Beam pixel 23	000-255	0-100%
89	Beam pixel 24	000-255	0-100%

90	Beam pixel 25	000-255	0-100%
91	Beam pixel 26	000-255	0-100%
92	Beam pixel 27	000-255	0-100%
93	Beam pixel 28	000-255	0-100%
94	Beam FX	000-005	No function
		006-042	Ramp up
		043-085	Ramp down
		086-128	Ramp up-down
		129-171	Random
		172-214	Lightning
		215-255	Spikes
95	Plates foreground	000-000	No function
		001-002	White(2700K)
		003-004	White(3200K)
		005-006	White(4200K)
		007-008	White(5600K)
		009-010	White(8000K)
		011	Blue R:0 G:0
		012-048	Green+/Blue R:0 G:+
		049	Cyan R:0
		050-086	Green/Blue- R:0 G:255
		087	Green R:0 G:255
		088-124	Red+/Green R:+ G:255
		125	Yellow R:255 G:255
		126-162	Red/Green- R:255 G:-
		163	Red R:255 G:0
		164-200	Red/Blue+ R:255 G:0
		201	Magenta R:255 G:0
		202-238	Red-/Blue R:- G:0
		239	Blue R:0 G:0
		240-247	Color index,fast to slow
		248-255	Color snap,fast to slow
96	Plate foreground	000-255	0-100%
97	Plate background	000-000	No function
		001-002	White(2700K)
		003-004	White(3200K)
		005-006	White(4200K)
		007-008	White(5600K)
		009-010	White(8000K)
		011	Blue R:0 G:0
		012-048	Green+/Blue R:0 G:+
		049	Cyan R:0
		050-086	Green/Blue- R:0 G:255
		087	Green R:0 G:255

		088-124	Red+/Green R:+ G:255
		125	Yellow R:255 G:255
		126-162	Red/Green- R:255 G:-
		163	Red R:255 G:0
		164-200	Red/Blue+ R:255 G:0
		201	Magenta R:255 G:0
		202-238	Red-/Blue R:- G:0
		239	Blue R:0 G:0
		240-247	Color index,fast to slow
		248-255	Color snap,fast to slow
98	Plate background	000-255	0-100%
99	Plate 1(pixels 1-7)	000-002	Plate FX All select(all on)
	FX select	003-255	see Plate Patterns
100	Plate 1(pixels 1-7) FX movement speed & direction (see Pixel	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast
		250-255	No function
101	Plate 1(pixels 1-7)	000-002	Snap from cell to cell
	FX crossfade	003-255	Fade duration:short to long
102	Plate 2(pixels 8-14)	000-002	Plate FX All select(all on)
	FX select	003-255	see Plate Patterns
103	Plate 2(pixels 8-14) FX movement speed & direction (see Pixel	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast
		250-255	No function
104	Plate 2(pixels 8-14)	000-002	Snap from cell to cell
	FX crossfade	003-255	Fade duration:short to long
105	Beam 1(pixels	000-002	Beam FX All select(all on)
	FX select	003-255	see Beam Patterns
106	Beam 1(pixels 1-14) FX movement speed & direction	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast
		250-255	No function
107	Beam 1(pixels	000-002	Snap from cell to cell
	FX crossfade	003-255	Fade duration:short to long
108	Beam 2(pixels 15-28) FX select	000-002	Beam FX All select(all on)
		003-255	see Beam Patterns
109	Beam 2(pixels 15-28)FX movement speed & direction	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast

		250-255	No function
110	Beam 2(pixels 15-28) FX	000-002	Snap from cell to cell
		003-255	Fade duration:short to long
111	Control*	000-005	No function
		006-010	Off (dimmer mode)
		011-015	Dimmer 1
		016-020	Dimmer 2
		021-025	Dimmer 3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz
		056-060	Fan mode auto
		060-065	Fan mode on
		066-070	Tilt reset
		071-075	Plate 1 invert off
		076-080	Plate 1 invert on
		081-085	Plate 2 invert off
		086-090	Plate 2 invert on
		091-095	Beam 1 invert off
		096-100	Beam 1 invert on
		101-105	Beam 2 invert off
		106-110	Beam 2 invert on
		111-115	Plate swap on
		116-120	Plate swap off
		121-125	Beam swap on
		126-130	Beam swap off
		131-255	No function
74CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100 %
2	Fine tilt	000-255	0-100 %
3	Dimmer	000-255	0-100 %
4	Strobe	000-009	Open
		010-079	Strobe,slow to fast
		080-149	Pulse,slow to fast
		150-219	Random Strobe,slow to fast
		220-255	Open
5	Plate pixel 1 red	000-255	0-100 %
6	Plate pixel 1 green	000-255	0-100 %
7	Plate pixel 1 blue	000-255	0-100 %
8	Plate pixel 2 red	000-255	0-100 %

9	Plate pixel 2 green	000-255	0-100%
10	Plate pixel 2 blue	000-255	0-100%
11	Plate pixel 3 red	000-255	0-100%
12	Plate pixel 3 green	000-255	0-100%
13	Plate pixel 3 blue	000-255	0-100%
14	Plate pixel 4 red	000-255	0-100%
15	Plate pixel 4 green	000-255	0-100%
16	Plate pixel 4 blue	000-255	0-100%
17	Plate pixel 5 red	000-255	0-100%
18	Plate pixel 5 green	000-255	0-100%
19	Plate pixel 5 blue	000-255	0-100%
20	Plate pixel 6 red	000-255	0-100%
21	Plate pixel 6 green	000-255	0-100%
22	Plate pixel 6 blue	000-255	0-100%
23	Plate pixel 7 red	000-255	0-100%
24	Plate pixel 7 green	000-255	0-100%
25	Plate pixel 7 blue	000-255	0-100%
26	Plate pixel 8 red	000-255	0-100%
27	Plate pixel 8 green	000-255	0-100%
28	Plate pixel 8 blue	000-255	0-100%
29	Plate pixel 9 red	000-255	0-100%
30	Plate pixel 9 green	000-255	0-100%
31	Plate pixel 9 blue	000-255	0-100%
32	Plate pixel 10 red	000-255	0-100%
33	Plate pixel 10	000-255	0-100%
34	Plate pixel 10 blue	000-255	0-100%
35	Plate pixel 11 red	000-255	0-100%
36	Plate pixel 11	000-255	0-100%
37	Plate pixel 11 blue	000-255	0-100%
38	Plate pixel 12 red	000-255	0-100%
39	Plate pixel 12	000-255	0-100%
40	Plate pixel 12 blue	000-255	0-100%
41	Plate pixel 13red	000-255	0-100%
42	Plate pixel 13	000-255	0-100%
43	Plate pixel 13 blue	000-255	0-100%
44	Plate pixel 14 red	000-255	0-100%
45	Plate pixel 14	000-255	0-100%
46	Plate pixel 14 blue	000-255	0-100%
47	Beam pixel 1	000-255	0-100%
48	Beam pixel 2	000-255	0-100%
49	Beam pixel 3	000-255	0-100%
50	Beam pixel 4	000-255	0-100%
51	Beam pixel 5	000-255	0-100%
52	Beam pixel 6	000-255	0-100%

53	Beam pixel 7	000-255	0-100%
54	Beam pixel 8	000-255	0-100%
55	Beam pixel 9	000-255	0-100%
56	Beam pixel 10	000-255	0-100%
57	Beam pixel 11	000-255	0-100%
58	Beam pixel 12	000-255	0-100%
59	Beam pixel 13	000-255	0-100%
60	Beam pixel 14	000-255	0-100%
61	Beam pixel 15	000-255	0-100%
62	Beam pixel 16	000-255	0-100%
63	Beam pixel 17	000-255	0-100%
64	Beam pixel 18	000-255	0-100%
65	Beam pixel 19	000-255	0-100%
66	Beam pixel 20	000-255	0-100%
67	Beam pixel 21	000-255	0-100%
68	Beam pixel 22	000-255	0-100%
69	Beam pixel 23	000-255	0-100%
70	Beam pixel 24	000-255	0-100%
71	Beam pixel 25	000-255	0-100%
72	Beam pixel 26	000-255	0-100%
73	Beam pixel 27	000-255	0-100%
74	Beam pixel 28	000-255	0-100%
47CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Master dimmer	000-255	0-100%
4	Plate dimmer	000-255	0-100%
5	Beam dimmer	000-255	0-100%
6	Plate flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
7	Plate flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
8	Beam flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
9	Beam flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
10	Plate Invert	000-005	Normal alignment
		006-124	Invert Plate 1 and Plate 2
		125-130	Invert Plate 1,Plate 2 normal

		131-249	Invert Plate 2,Plate 1 normal
		250-255	No function
11	Beam Invert	000-005	Normal alignment
		006-124	Invert Beam 1 and Beam 2
		125-130	Invert Beam 1,Beam 2 normal
		131-249	Invert Beam 2,Beam 1 normal
		250-255	No function
12	Plate pixel 1+8 red	0-255	0-100%
13	Plate pixel 1+8	0-255	0-100%
14	Plate pixel 1+8	0-255	0-100%
15	Plate pixel 2+9 red	0-255	0-100%
16	Plate pixel 2+9	0-255	0-100%
17	Plate pixel 2+9	0-255	0-100%
18	Plate pixel 3+10	0-255	0-100%
19	Plate pixel 3+10	0-255	0-100%
20	Plate pixel 3+10	0-255	0-100%
21	Plate pixel 4+11	0-255	0-100%
22	Plate pixel 4+11	0-255	0-100%
23	Plate pixel 4+11	0-255	0-100%
24	Plate pixel 5+12	0-255	0-100%
25	Plate pixel 5+12	0-255	0-100%
26	Plate pixel 5+12	0-255	0-100%
27	Plate pixel 6+13	0-255	0-100%
28	Plate pixel 6+13	0-255	0-100%
29	Plate pixel 6+13	0-255	0-100%
30	Plate pixel 7+14	0-255	0-100%
31	Plate pixel 7+14	0-255	0-100%
32	Plate pixel 7+14	0-255	0-100%
33	Beam pixel 1+15	0-255	0-100%
34	Beam pixel 2+16	0-255	0-100%
35	Beam pixel 3+17	0-255	0-100%
36	Beam pixel 4+18	0-255	0-100%
37	Beam pixel 5+19	0-255	0-100%
38	Beam pixel 6+20	0-255	0-100%
39	Beam pixel 7+21	0-255	0-100%
40	Beam pixel 8+22	0-255	0-100%
41	Beam pixel 9+23	0-255	0-100%
42	Beam pixel	0-255	0-100%
43	Beam pixel	0-255	0-100%
44	Beam pixel	0-255	0-100%
45	Beam pixel	0-255	0-100%
46	Beam pixel	0-255	0-100%
47	Control*	000-005	No function
		006-010	Off (dimmer mode)

		011-015	Dimmer 1
		016-020	Dimmer 2
		021-025	Dimmer 3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz
		056-060	Fan mode auto
		060-065	Fan mode on
		066-070	Tilt reset
		071-075	Plate 1 invert off
		076-080	Plate 1 invert on
		081-085	Plate 2 invert off
		086-090	Plate 2 invert on
		091-095	Beam 1 invert off
		096-100	Beam 1 invert on
		101-105	Beam 2 invert off
		106-110	Beam 2 invert on
		111-115	Plate swap on
		116-120	Plate swap off
		121-125	Beam swap on
		126-130	Beam swap off
		131-255	No function
31CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100 %
2	Fine tilt	000-255	0-100 %
3	Master dimmer	000-255	0-100 %
4	Plate dimmer	000-255	0-100 %
5	Beam dimmer	000-255	0-100 %
6	Plate flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100 % On,no flash/strobe
7	Plate flash rate	000-009	100 %
		010-250	Slow to fast
		251-255	100 %
8	Beam flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100 % On,no flash/strobe
9	Beam flash rate	000-009	100 %
		010-250	Slow to fast
		251-255	100 %

10	Plates red	000-255	0-100%
11	Plates green	000-255	0-100%
12	Plates blue	000-255	0-100%
13	Plates white	000-255	0-100%
14	Beam FX	000-005	No function
		006-042	Ramp up
		043-085	Ramp down
		086-128	Ramp up-down
		129-171	Random
		172-214	Lightning
		215-255	Spikes
15	Plates foreground	000-000	No function
		001-002	White(2700K)
		003-004	White(3200K)
		005-006	White(4200K)
		007-008	White(5600K)
		009-010	White(8000K)
		011	Blue R:0 G:0
		012-048	Green+/Blue R:0 G:+
		049	Cyan R:0
		050-086	Green/Blue- R:0 G:255
		087	Green R:0 G:255
		088-124	Red+/Green R:+ G:255
		125	Yellow R:255 G:255
		126-162	Red/Green- R:255 G:-
		163	Red R:255 G:0
		164-200	Red/Blue+ R:255 G:0
		201	Magenta R:255 G:0
		202-238	Red-/Blue R:- G:0
		239	Blue R:0 G:0
		240-247	Color index,fast to slow
		248-255	Color snap,fast to slow
16	Plates foreground	000-255	0-100%
17	Plates background	000-000	No function
		001-002	White(2700K)
		003-004	White(3200K)
		005-006	White(4200K)
		007-008	White(5600K)
		009-010	White(8000K)
		011	Blue R:0 G:0
		012-048	Green+/Blue R:0 G:+
		049	Cyan R:0
		050-086	Green/Blue- R:0 G:255
		087	Green R:0 G:255

		088-124	Red+/Green R:+ G:255
		125	Yellow R:255 G:255
		126-162	Red/Green- R:255 G:-
		163	Red R:255 G:0
		164-200	Red/Blue+ R:255 G:0
		201	Magenta R:255 G:0
		202-238	Red-/Blue R:- G:0
		239	Blue R:0 G:0
		240-247	Color index,fast to slow
		248-255	Color snap,fast to slow
18	Plates background	000-255	0-100%
19	Plate 1(pixels 1-7)	000-002	Plate FX All select(all on)
	FX select	003-255	see Plate Patterns
20	Plate 1(pixels 1-7) FX movement speed & direction (see Pixel	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast
		250-255	No function
21	Plate 1(pixels 1-7)	000-002	Snap from cell to cell
	FX crossfade	003-255	Fade duration:short to long
22	Plate 2(pixels 8-14)	000-002	Plate FX All select(all on)
	FX select	003-255	see Plate Patterns
23	Plate 2(pixels 8-14) FX movement speed & direction (see Pixel	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast
		250-255	No function
24	Plate 2(pixels 8-14)	000-002	Snap from cell to cell
	FX crossfade	003-255	Fade duration:short to long
25	Beam 1(pixels	000-002	Beam FX All select(all on)
	FX select	003-255	see Beam Patterns
26	Beam 1(pixels 1-14) FX movement speed & direction	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast
		250-255	No function
27	Beam 1(pixels	000-002	Snap from cell to cell
	FX crossfade	003-255	Fade duration:short to long
28	Beam 2(pixels 15-28) FX select	000-002	Beam FX All select(all on)
		003-255	see Beam Patterns
29	Beam 2(pixels 15-28)FX movement speed & direction	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast

		250-255	No function
30	Beam 2(pixels 15-28) FX	000-002	Snap from cell to cell
		003-255	Fade duration:short to long
31	Control*	000-005	No function
		006-010	Off (dimmer mode)
		011-015	Dimmer 1
		016-020	Dimmer 2
		021-025	Dimmer 3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz
		056-060	Fan mode auto
		060-065	Fan mode on
		066-070	Tilt reset
		071-075	Plate 1 invert off
		076-080	Plate 1 invert on
		081-085	Plate 2 invert off
		086-090	Plate 2 invert on
		091-095	Beam 1 invert off
		096-100	Beam 1 invert on
		101-105	Beam 2 invert off
		106-110	Beam 2 invert on
		111-115	Plate swap on
		116-120	Plate swap off
		121-125	Beam swap on
		126-130	Beam swap off
		131-255	No function
24CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Master dimmer	000-255	0-100%
4	Plate dimmer	000-255	0-100%
5	Beam dimmer	000-255	0-100%
6	Plate flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
7	Plate flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
8	Beam flash	000-009	Classic shutter mode:disables duration control

		010-250	Slow to fast			
		251-255	100% On,no flash/strobe			
9	Beam flash rate	000-009	100%			
		010-250	Slow to fast			
		251-255	100%			
10	Plates red	000-255	0-100%			
11	Plates green	000-255	0-100%			
12	Plates blue	000-255	0-100%			
13	Beam FX	000-005	No function			
		006-042	Ramp up			
		043-085	Ramp down			
		086-128	Ramp up-down			
		129-171	Random			
		172-214	Lightning			
		215-255	Spikes			
14	Plates foreground	000-000	No function			
		001-002	White(2700K)			
		003-004	White(3200K)			
		005-006	White(4200K)			
		007-008	White(5600K)			
		009-010	White(8000K)			
		011	Blue	R:0	G:0	B:255
		012-048	Green+/Blue	R:0	G:+	B:255
		049	Cyan	R:0	G:255	B:255
		050-086	Green/Blue-	R:0	G:255	B:-
		087	Green	R:0	G:255	B:0
		088-124	Red+/Green	R:+	G:255	B:0
		125	Yellow	R:255	G:255	B:
		126-162	Red/Green-	R:255	G:-	B:0
		163	Red	R:255	G:0	B:0
		164-200	Red/Blue+	R:255	G:0	B:+
		201	Magenta	R:255	G:0	B:255
		202-238	Red-/Blue	R:-	G:0	B:255
		239	Blue	R:0	G:0	B:255
		240-247	Color index,fast to slow			
		248-255	Color snap,fast to slow			
15	Plates foreground	000-255	0-100%			
16	Plates background	000-000	No function			
		001-002	White(2700K)			
		003-004	White(3200K)			
		005-006	White(4200K)			
		007-008	White(5600K)			
		009-010	White(8000K)			
		011	Blue	R:0	G:0	B:255 W:0

		012-048	Green+/Blue R:0 G:+ B:255
		049	Cyan R:0 G:255 B:255
		050-086	Green/Blue- R:0 G:255 B:-
		087	Green R:0 G:255 B:0
		088-124	Red+/Green R:+ G:255 B:0
		125	Yellow R:255 G:255 B:0
		126-162	Red/Green- R:255 G:- B:0
		163	Red R:255 G:0 B:0
		164-200	Red/Blue+ R:255 G:0 B:+
		201	Magenta R:255 G:0 B:255
		202-238	Red-/Blue R:- G:0 B:255
		239	Blue R:0 G:0 B:255
		240-247	Color index,fast to slow
		248-255	Color snap,fast to slow
17	Plates background	000-255	0-100%
18	Plates 1 & 2	000-002	Plate FX All select(all on)
	FX select	003-255	see Plate Patterns
19	Plates 1 & 2 FX movement speed & direction (see Pixel	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast
		250-255	No function
20	Plates 1 & 2	000-002	Snap from cell to cell
	FX crossfade	003-255	Fade duration:short to long
21	Beams 1 & 2	000-002	Beam FX All select(all on)
	FX select	003-255	see Beam Patterns
22	Beams 1 & 2 FX movement speed & direction (see Pixel	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast
		250-255	No function
23	Beams 1 & 2	000-002	Snap from cell to cell
	FX crossfade	003-255	Fade duration:short to long
24	Control*	000-005	No function
		006-010	Off (dimmer mode)
		011-015	Dimmer 1
		016-020	Dimmer 2
		021-025	Dimmer 3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz

		056-060	Fan mode auto
		060-065	Fan mode on
		066-070	Tilt reset
		071-075	Plate 1 invert off
		076-080	Plate 1 invert on
		081-085	Plate 2 invert off
		086-090	Plate 2 invert on
		091-095	Beam 1 invert off
		096-100	Beam 1 invert on
		101-105	Beam 2 invert off
		106-110	Beam 2 invert on
		111-115	Plate swap on
		116-120	Plate swap off
		121-125	Beam swap on
		126-130	Beam swap off
		131-255	No function
15CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Plate dimmer	000-255	0-100%
4	FX select	000-009	No function
		010-019	Macro 1
		020-029	Macro 2
		030-039	Macro 3
		040-049	Macro 4
		050-059	Macro 5
		060-069	Macro 6
		070-079	Macro 7
		080-089	Macro 8
		090-099	Macro 9
		100-109	Macro 10
		110-119	Macro 11
		120-129	Macro 12
		130-139	Macro 13
		140-149	Macro 14
		150-159	Macro 15
		160-169	Macro 16
		170-179	Macro 17
		180-189	Macro 18
		190-199	Macro 19
		200-255	Macro 20
5	FX movement	000-255	slow to fast
6	Plate background	000-255	Same as 24CH Mode

7	Beam select	000-255	Same as 24CH Mode
8	Beam movement	000-255	Same as 24CH Mode
9	Plate Strobe	000-009	Open
		010-079	Strobe,slow to fast
		080-149	Pulse,slow to fast
		150-219	Random Strobe,slow to fast
		220-255	Open
10	Beam Strobe	000-009	Open
		010-079	Strobe,slow to fast
		080-149	Pulse,slow to fast
		150-219	Random Strobe,slow to fast
		220-255	Open
11	Red	000-255	0-100%
12	Green	000-255	0-100%
13	Blue	000-255	0-100%
14	White	000-255	0-100%
15	Beam dimmer	000-255	0-100%
13CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Plate dimmer	000-255	0-100%
4	Beam dimmer	000-255	0-100%
5	Plate flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
6	Plate flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
7	Beam flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
8	Beam flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
9	Plates red	000-255	0-100%
10	Plates green	000-255	0-100%
11	Plates blue	000-255	0-100%
12	Beam FX	000-005	No function
		006-042	Ramp up
		043-085	Ramp down
		086-128	Ramp up-down
		129-171	Random
		172-214	Lightning

		215-255	Spikes
13	Control*	000-005	No function
		006-010	Off (dimmer mode)
		011-015	Dimmer 1
		016-020	Dimmer 2
		021-025	Dimmer 3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz
		056-060	Fan mode auto
		060-065	Fan mode on
		066-070	Tilt reset
		071-075	Plate 1 invert off
		076-080	Plate 1 invert on
		081-085	Plate 2 invert off
		086-090	Plate 2 invert on
		091-095	Beam 1 invert off
		096-100	Beam 1 invert on
		101-105	Beam 2 invert off
		106-110	Beam 2 invert on
		111-115	Plate swap on
		116-120	Plate swap off
		121-125	Beam swap on
		126-130	Beam swap off
		131-255	No function
11CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100 %
2	Fine tilt	000-255	0-100 %
3	Dimmer	000-255	0-100 %
4	Plate flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
5	Plate flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
6	Beam flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
7	Beam flash rate	000-009	100%
		010-250	Slow to fast

		251-255	100%
8	Plates red	000-255	0-100%
9	Plates green	000-255	0-100%
10	Plates blue	000-255	0-100%
11	Beam	000-255	0-100%
8CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Dimmer	000-255	0-100%
4	Strobe	000-009	Open
		010-079	Strobe,slow to fast
		080-149	Pulse,slow to fast
		150-219	Random Strobe,slow to fast
		220-255	Open
5	Red	000-255	0-100%
6	Green	000-255	0-100%
7	Blue	000-255	0-100%
8	Beam	000-255	0-100%

REMARK

The product has perfect performance and integrity packing. All users should be strictly comply with the warning

and operating instructions as stated. Or we aren't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company's warranty.

Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.

Thank you again for your patronage!
We will be offering sincere service as always,
Wish you have a good lighting journey!