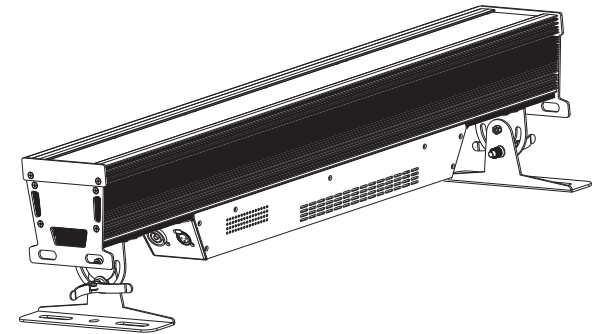


NO	MATERIAL NAME	PCS
1	Dust shield	1
2	Soft-edge filter	1
3	screw mirror	3
4	Reflective bowl	12
5	NO thermal protector LED plate	9
6	Driver board	3
7	The shell	1
8	left side cover	1
9	A Stents	2
10	Quick lock	2
11	B Stents	2
12	Power in socket	1
13	ARTNET socket	1
14	DMX IN socket	1
15	Power plate	1
16	Power supply	1
17	Power plate	1
18	Display stickers	1
19	Touch plate	1
20	Display plate	1
21	Lithium panels	1
22	Power out socket	1
23	DMX out socket	1
24	Lithium battery holder	1/1
25	ARTNET plate	1
26	Since the lock nut	2
27	Right side cover	1
28	Light barrier	1
29	Activity side cover	1
30	Lamp cover insurance rope	1
31	Have Thermal protector LED plate	3
32	Light cup plate	3



DashLight 12

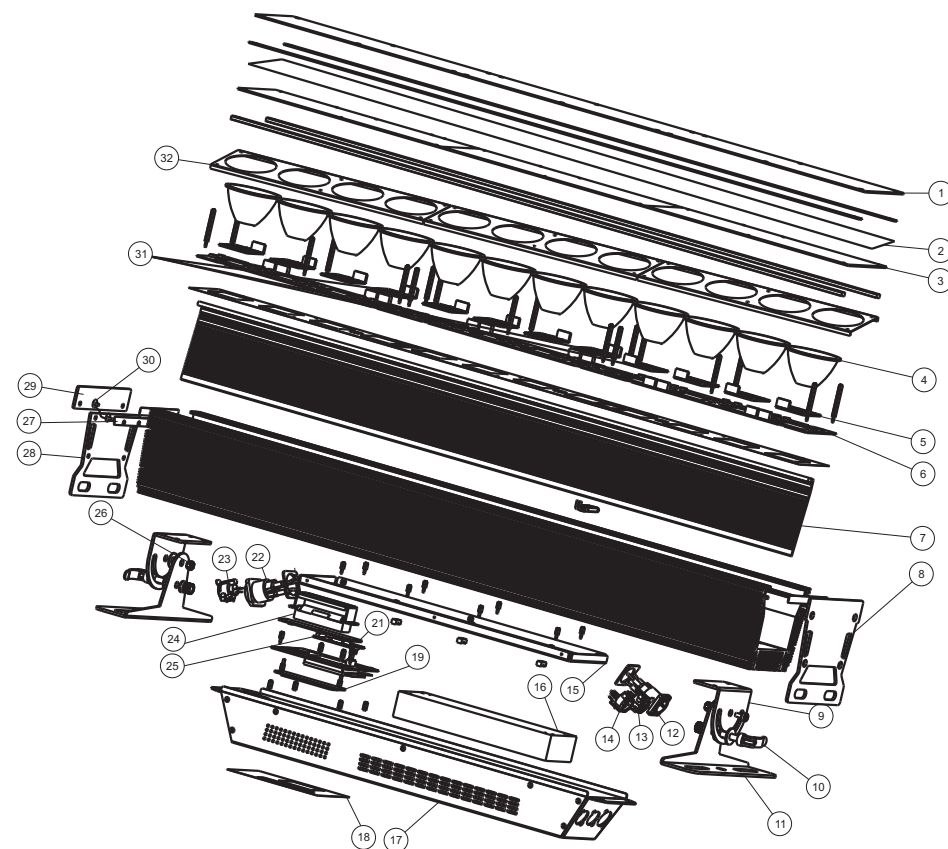
USER MANUAL

TABLE OF CONTENTS

1	PRODUCT TECHNICAL PARAMETERS	1-2
1.1	PRODUCT STANDARD	1
1.2	SAFETY WARNING	2
2	INSTALLATION	3-5
2.1	MOUNTING	3
2.2	FROSTED SHEET REPLACEMENT	4
2.3	POWER CONNECTION	4
2.4	CONNECT TO DMX512 CONSOLE SETTINGS	5
2.5	ARTNET CONNECTION	5
3	DISPLAY PANEL OPERATION	6-13
3.1	BASIC	6
3.2	MENU	6-8
3.3	STASTC	8
3.4	DMX ADDRESS	8
3.5	AUTO PLAYMODE	9
3.6	CONTROL、SELECT AND ADIT	9-10
3.7	SETTINGS	11-13
3.8	INFORMATION VIEW	13
4	USING DMX512 CONTROLLER	14-32
4.1	CHANNEL ASSIGNMENT	14-32
5	APPENDIX	33-34
5.1	MAINTENANCE	33-34

5 APPENDIX

5.1 MAINTENANCE



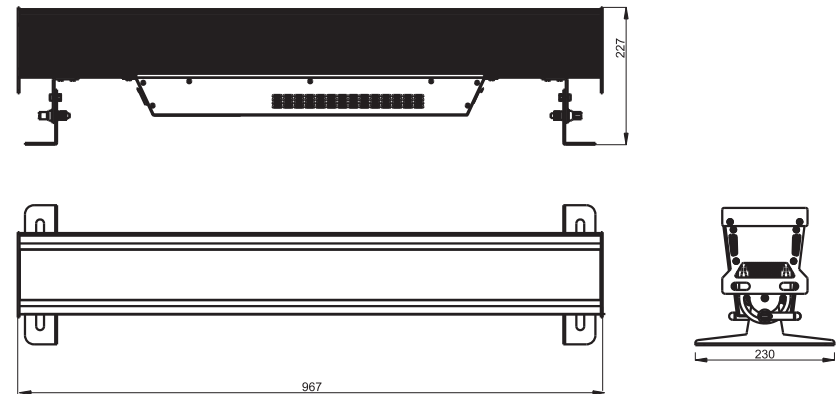
CHANNEL	VALUE	EFFECT
53	0 ⇄ 255	RED11
54	0 ⇄ 255	GREEN11
55	0 ⇄ 255	BLUE11
56	0 ⇄ 255	AMBER11
57	0 ⇄ 255	LIME11
58	0 ⇄ 255	RED12
59	0 ⇄ 255	GREEN12
60	0 ⇄ 255	BLUE12
61	0 ⇄ 255	AMBER12
62	0 ⇄ 255	LIME12
63		DIMMER SPEED
	0 ⇄ 9	NO FUNCTION
	10 ⇄ 29	OFF
	30 ⇄ 69	DIM1
	70 ⇄ 129	DIM2
	130 ⇄ 189	DIM3
	190 ⇄ 255	DIM4

1 PRODUCT TECHNICAL PARAMETERS

1.1 PRODUCT STANDARD

LED LIGHT:

Type	VOLTAGE	TEMPERATURE (C)°	WEIGHT (KG)	MEASURE (mm)	POWER (W)	IP	pcs
DashLight 12	AC100~240V 50/60Hz	0~40	12.5	967X230X227	300	2X	R/G/B/AX24PCS LX48PCS



1.2 SAFETY WARNING

IMPORTANT

[ALWAYS READ THE USER MANUAL BEFORE OPERATION.]
[PLEASE CONFIRM THAT THE POWER SUPPLY STATED ON THE PRODUCT IS THE SAME AS THE MAINS POWER SUPPLY IN YOUR AREA.]

- This product must be installed by a qualified professional.
- Always operate the equipment as described in the user manual.
- A minimum distance of 0.5m must be maintained between the equipment and combustible surface.
- The product must always be placed in a well ventilated area.
- Always make sure that the equipment is installed securely.
- DO NOT stand close to the equipment and stare directly into the LED light source.
- Always disconnect the power supply before attempting and maintenance.
- Always make sure that the supporting structure is solid and can support the combined weight of the products.
- The earth wire must always be connected to the ground.
- Do not touch the power cables if your hands are wet.

ATTENTION



- This product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual.
- Avoid shaking or strong impacts to any part of the equipment.
- Make sure that all parts of the equipment are kept clean and free of dust.
- Always make sure that the power connections are connected correct and secure.
- If there is any malfunction of the equipment, contact your distributor immediately.
- When transferring the product, it is advisable to use the original packaging in which the product left the factory.
- Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.
- The lamp (LED) shall be changed if it has become damaged or thermally deformed.



Caution, risk of electric shock
The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

CHANNEL	VALUE	EFFECT
15	0 ↔ 255	BLUE3
16	0 ↔ 255	AMBER3
17	0 ↔ 255	LIME3
18	0 ↔ 255	RED4
19	0 ↔ 255	GREEN4
20	0 ↔ 255	BLUE4
21	0 ↔ 255	AMBER4
22	0 ↔ 255	LIME4
23	0 ↔ 255	RED5
24	0 ↔ 255	GREEN5
25	0 ↔ 255	BLUE5
26	0 ↔ 255	AMBER5
27	0 ↔ 255	LIME5
28	0 ↔ 255	RED6
29	0 ↔ 255	GREEN6
30	0 ↔ 255	BLUE6
31	0 ↔ 255	AMBER6
32	0 ↔ 255	LIME6
33	0 ↔ 255	RED7
34	0 ↔ 255	GREEN7
35	0 ↔ 255	BLUE7
36	0 ↔ 255	AMBER7
37	0 ↔ 255	LIME7
38	0 ↔ 255	RED8
39	0 ↔ 255	GREEN8
40	0 ↔ 255	BLUE8
41	0 ↔ 255	AMBER8
42	0 ↔ 255	LIME8
43	0 ↔ 255	RED9
44	0 ↔ 255	GREEN9
45	0 ↔ 255	BLUE9
46	0 ↔ 255	AMBER9
47	0 ↔ 255	LIME9
48	0 ↔ 255	RED10
49	0 ↔ 255	GREEN10
50	0 ↔ 255	BLUE10
51	0 ↔ 255	AMBER10
52	0 ↔ 255	LIME10

CHANNEL	VALUE	EFFECT
34	0 ↔ 255	GREEN11
35	0 ↔ 255	BLUE11
36	0 ↔ 255	RED12
37	0 ↔ 255	GREEN12
38	0 ↔ 255	BLUE12
39		DIMMER SPEED
	0 ↔ 9	NO FUNCTION
	10 ↔ 29	OFF
	30 ↔ 69	DIM1
	70 ↔ 129	DIM2
	130 ↔ 189	DIM3
	190 ↔ 255	DIM4

PIXEL.2

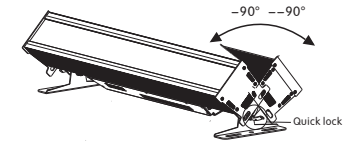
CHANNEL	VALUE	EFFECT
1	0 ↔ 255	DIMMER
2		STROBE
	0 ↔ 9	NO FUNCTION
	10 ↔ 99	STROBE FROM (SLOD TO FAST , 0-25Hz)
	100 ↔ 109	NO FUNCTION
	110 ↔ 179	LIGHTNING STROBE
	180 ↔ 189	NO FUNCTION
190 ↔ 255	RANDOM STROBE	
3	0 ↔ 255	RED1
4	0 ↔ 255	GREEN1
5	0 ↔ 255	BLUE1
6	0 ↔ 255	AMBER1
7	0 ↔ 255	LIME1
8	0 ↔ 255	RED2
9	0 ↔ 255	GREEN2
10	0 ↔ 255	BLUE2
11	0 ↔ 255	AMBER2
12	0 ↔ 255	LIME2
13	0 ↔ 255	RED3
14	0 ↔ 255	GREEN3

2 INSTALLATION

2.1 MOUNTING

Horizontal placement:

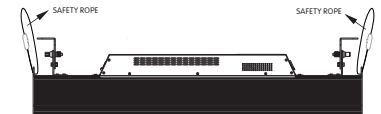
First fix the hanging frame where it is placed, making sure the angle is adjustable, as shown in figure 2.1-1



2.1-1

HANGING:

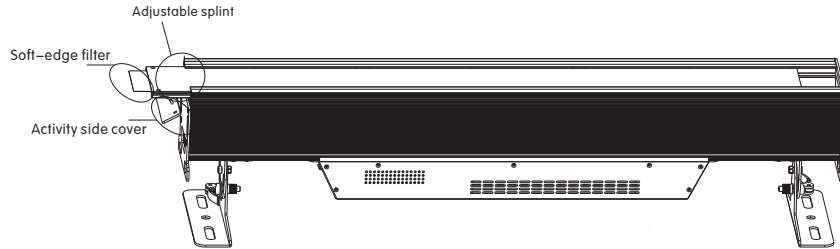
The LED MODULE can be mounted in a hanging position using the support frame. It is possible to use any bolt of the correct size and strength to mount the fixture. It is recommended to use at least 2 mounting points per fixture. Mounting with a clamp or other mounting bracket is recommended depending on the requirements of your application. For overhead use, always install two secure chains that can hold at least 10 times the weight of the fixture.



2.1-2

2.2 Frosted sheet replacement

- ◆Remove the movable side plate
- ◆Pull out the movable splint
- ◆Draw out the frosted sheet in the splint and replace the frosted sheet required.



2.3 POWER CONNECTION

@ 220V: 6 units may be connected in series

@ 110V: 3 units may be connected in series

Note:

If the signal cable is over 60m between the DMX512 controller and fixture or between two fixtures, then a DMX signal amplifier is needed as well.

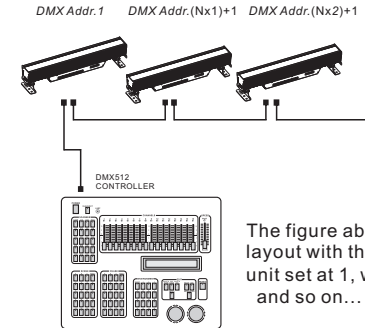
PIXEL.1

CHANNEL	VALUE	EFFECT
1	0 ↔ 255	DIMMER
2		STROBE
	0 ↔ 9	NO FUNCTION
	10 ↔ 99	STROBE FROM (SLOD TO FAST , 0-25Hz)
	100 ↔ 109	NO FUNCTION
	110 ↔ 179	LIGHTNING STROBE
	180 ↔ 189	NO FUNCTION
	190 ↔ 255	RANDOM STROBEBOBE
3	0 ↔ 255	RED1
4	0 ↔ 255	GREEN1
5	0 ↔ 255	BLUE1
6	0 ↔ 255	RED2
7	0 ↔ 255	GREEN2
8	0 ↔ 255	BLUE2
9	0 ↔ 255	RED3
10	0 ↔ 255	GREEN3
11	0 ↔ 255	BLUE3
12	0 ↔ 255	RED4
13	0 ↔ 255	GREEN4
14	0 ↔ 255	BLUE4
15	0 ↔ 255	RED5
16	0 ↔ 255	GREEN5
17	0 ↔ 255	BLUE5
18	0 ↔ 255	RED6
19	0 ↔ 255	GREEN6
20	0 ↔ 255	BLUE6
21	0 ↔ 255	RED7
22	0 ↔ 255	GREEN7
23	0 ↔ 255	BLUE7
24	0 ↔ 255	RED8
25	0 ↔ 255	GREEN8
26	0 ↔ 255	BLUE8
27	0 ↔ 255	RED9
28	0 ↔ 255	GREEN9
29	0 ↔ 255	BLUE9
30	0 ↔ 255	RED10
31	0 ↔ 255	GREEN10
32	0 ↔ 255	BLUE10
33	0 ↔ 255	RED11

CHANNEL	VALUE	EFFECT
1	0 ↔ 255	INTENSIYT
2	0 ↔ 255	HUE
3	0 ↔ 255	HUE FINE
4	0 ↔ 255	SATURATION
5		CCT
	0 ↔ 10	NO FUNCTION
	11 ↔ 30	2700K
	31 ↔ 50	3000K
	51 ↔ 70	3200K
	71 ↔ 90	3500K
	91 ↔ 110	4000K
	111 ↔ 130	4200K
	131 ↔ 150	4500K
	151 ↔ 170	5600K
	171 ↔ 190	6000K
	191 ↔ 210	6500K
	211 ↔ 230	7200K
231 ↔ 255	8000K	
6		STROBE
	0 ↔ 9	NO FUNCTION
	10 ↔ 99	STROBE FROM (SLOW TO FAST , 0-25Hz)
	100 ↔ 109	NO FUNCTION
	110 ↔ 179	LIGHTNING STROBE
	180 ↔ 189	NO FUNCTION
190 ↔ 255	RANDOM STROBE	
7		DIMMER SPEED
	0 ↔ 9	NO FUNCTION
	10 ↔ 29	OFF
	30 ↔ 69	DIM1
	70 ↔ 129	DIM2
	130 ↔ 189	DIM3
	190 ↔ 255	DIM4

2.4 CONNECT TO DMX512CONSOLE SETTINGS

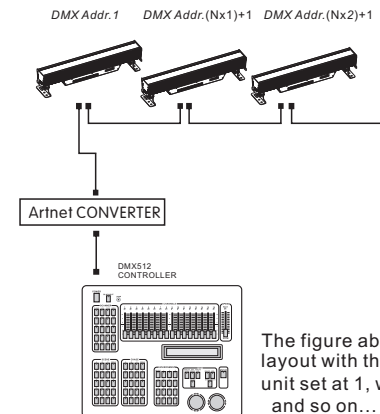
- Connect the DMX512 controller to the units in series.
- Each unit has 9 DMX channels so the DMX Addresses should increase by increments of 1, (Nx1)+1, (Nx2)+1, (Nx3)+1, ...。
- Each DMX Address may be used as many times as required.
- Any DMX address in the range from 001 to 512 may be used.



The figure above shows a simple DMX512 layout with the starting address of the first unit set at 1, with the second set at (Nx1)+1 and so on...

2.5 ARTNET CONNECTION

- ◆ Select the [ARTNET TO DMX] after selecting [RUN MODE] in the MENU
- ◆ Connect the fixture with one end of the cable through the RJ45 port of the fixture
- ◆ Connect the other fixtures through the DMX signal port on the fixture

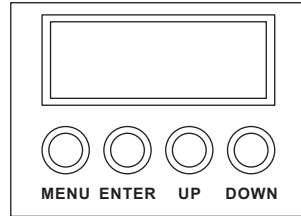


The figure above shows a simple DMX512 layout with the starting address of the first unit set at 1, with the second set at (Nx1)+1 and so on...

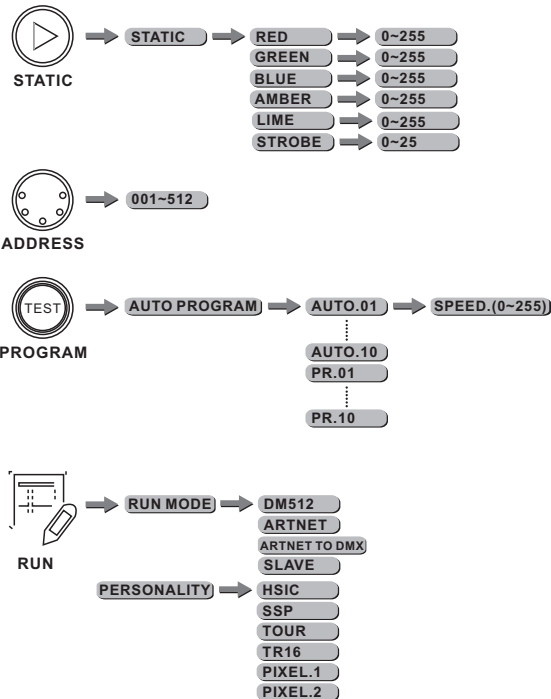
3 DISPLAYPANEL OPERATION

3.1 BASIC (TFT DISPLAY+TOUCH)

- ◆MENU: Choose one or return to the previous menu;
- ◆ENTER: Choose enter;
- ◆UP: scroll 'UP' through the menu list or increase the value of the current function
- ◆DOWN: scroll 'DOWN' through the menu list or decrease the value of the current function



3.2 MENU

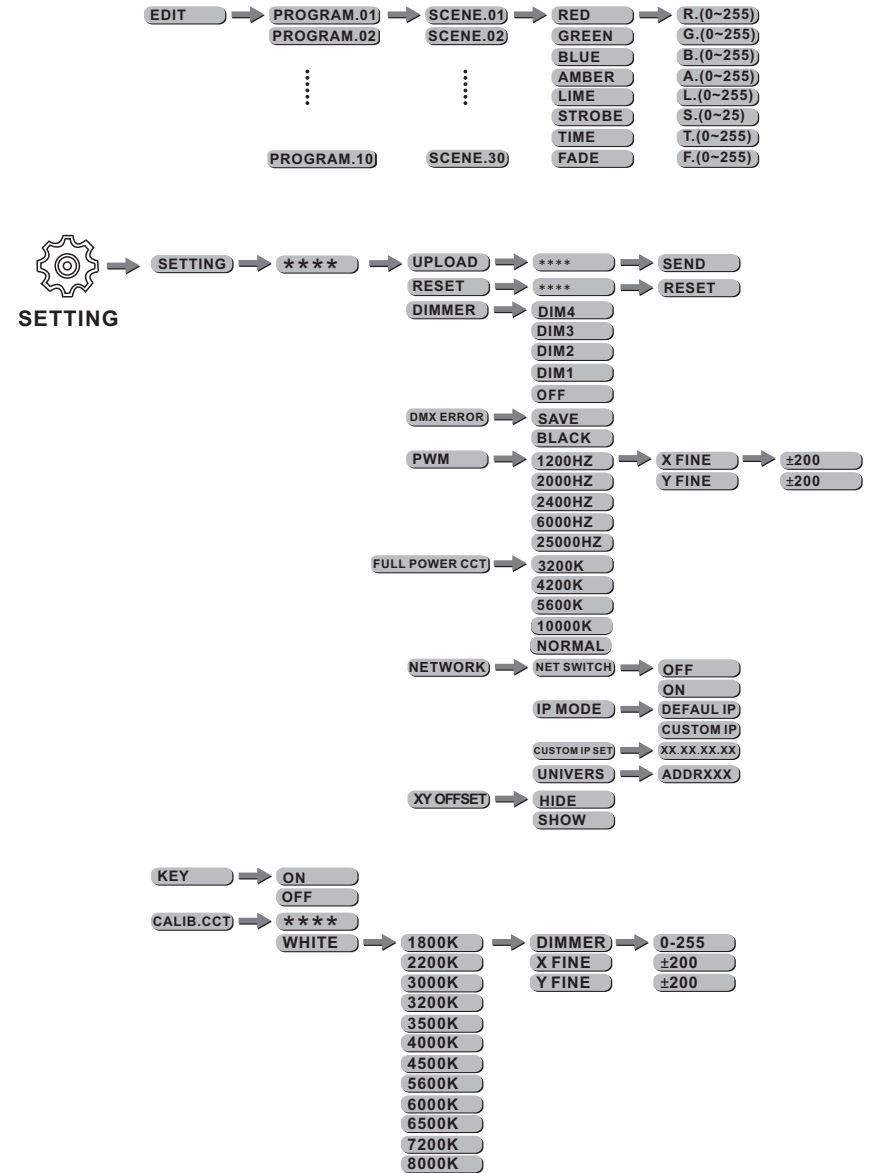


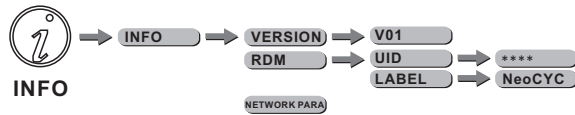
CHANNEL	VALUE	EFFECT
18		DIMMER SPEED
	0 ↔ 9	NO FUNCTION
	10 ↔ 29	OFF
	30 ↔ 69	DIM1
	70 ↔ 129	DIM2
	130 ↔ 189	DIM3
	190 ↔ 255	DIM4

SSP

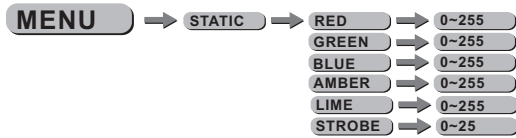
CHANNEL	VALUE	EFFECT
1	0 ↔ 255	MASTER DIMMER
2	0 ↔ 255	RED
3	0 ↔ 255	GREEN
4	0 ↔ 255	BLUE
5	0 ↔ 255	AMBER
6	0 ↔ 255	LIME
7		STROBE
	0 ↔ 9	NO FUNCTION
	10 ↔ 99	STROBE FROM (SLOW TO FAST , 0-25Hz)
	100 ↔ 109	NO FUNCTION
	110 ↔ 179	LIGHTNING STROBE
	180 ↔ 189	NO FUNCTION
	190 ↔ 255	RANDOM STROBE
8		DIMMER SPEED
	0 ↔ 9	NO FUNCTION
	10 ↔ 29	OFF
	30 ↔ 69	DIM1
	70 ↔ 129	DIM2
	130 ↔ 189	DIM3
	190 ↔ 255	DIM4

CHANNEL	VALUE	EFFECT
16	174 ↔ 177	Blue background, illuminance adjustable. 100% green lightness runs (1-6,12-1),1&12 light up in the same time, gathering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH14
	178 ↔ 181	Green background, illuminance adjustable. 100% red lightness runs (1-12)
	182 ↔ 185	Green background, illuminance adjustable. 100% red lightness runs (12-1)
	186 ↔ 189	Green background, illuminance adjustable. 100% red lightness runs (1-12-1)
	190 ↔ 193	Green background, illuminance adjustable. 100% red lightness runs (1-6,12-1),1&12 light up in the same time, gathering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH14
	194 ↔ 197	Blue background, illuminance adjustable. 100% red lightness runs (1-12)
	198 ↔ 201	Blue background, illuminance adjustable. 100% red lightness runs (12-1)
	202 ↔ 205	Blue background, illuminance adjustable. 100% red lightness runs (1-12-1)
	206 ↔ 209	Blue background, illuminance adjustable. 100% red lightness runs (1-6,12-1),1&12 light up in the same time, gathering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH14
	210 ↔ 212	(1, 2)-(3, 4)-(5, 6)-(7, 8)-(9, 10), (11, 12)
	213 ↔ 215	(1, 2, 3)-(4, 5, 6)-(7, 8, 9)-(10, 11, 12)
	216 ↔ 218	(1, 2, 3,4)-(5,6,7,8)-(9,10,11,12)
	219 ↔ 221	(12,11)-(10,9)-(8,7)-(6,5)-(4,3), (2,1)
	222 ↔ 224	(12,11,10)-(9,8,7)-(6,5,4)-(3,2,1)
	225 ↔ 227	(12,11,10,9)-(8,7,6,5)-(4,3,2,1)
	228 ↔ 230	1,2from left to right,11,12from right to left
231 ↔ 233	1,2,3from left to right,10,11,12from right to left	
234 ↔ 236	1,2,3,4from left to right,9,10,11,12from right to left	
237 ↔ 239	1-6RED,7-12BLUE	
240 ↔ 242	1-6ORANGE,7-12CYAN	
243 ↔ 245	1-6YELLOW,7-12PURPLE	
246 ↔ 248	1-6GREEN,7-12ORANGE	
249 ↔ 251	1-6CYAN,7-12RED	
252 ↔ 254	1-6BLUE,7-12YELLOW	
	255	1-6PURPLE,7-12GREEN
17	0 ↔ 255	AUTO SPEED ADJUSTMENT





3.3 STASTC



- Combine [RED], [GREEN], [BLUE], [AMBER] AND [LIME] to create an infinite range of colors (0-255)
- Set the value of the [STROBE] (0-25Hz)

3.4 DMX ADDRESS

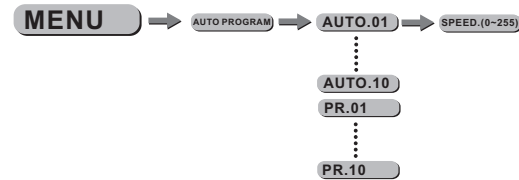


- Enter the [ADDRESS] mode to set the DMX ADDRESS.

CHANNEL	VALUE	EFFECT
16	90 ↔ 93	Green background, illuminance adjustable. 100% blue lightness runs (1-12-1)
	94 ↔ 97	Green background, illuminance adjustable. 100% blue lightness runs (1-6,12-1), 1&12 light up in the same time, gathering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH14
	98 ↔ 101	Blue background, illuminance adjustable. 100% green lightness runs (1-12)
	102 ↔ 105	Blue background, illuminance adjustable. 100% green lightness runs (12-1)
	106 ↔ 109	Blue background, illuminance adjustable. 100%green lightness runs (1-12-1)
	110 ↔ 113	Blue background, illuminance adjustable. 100% green lightness runs (1-6,12-1), 1&12 light up in the same time, gathering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH14
	114 ↔ 117	Amber background, illuminance adjustable. 100% red lightness runs (1-12)
	118 ↔ 121	Amber background, illuminance adjustable. 100% red lightness runs (12-1)
	122 ↔ 125	Amber background, illuminance adjustable. 100%red lightness runs (1-12-1)
	126 ↔ 129	Amber background, illuminance adjustable. 100% red lightness runs (1-6,12-1), 1&12 light up in the same time, gathering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH14
	130 ↔ 133	Lime background, illuminance adjustable. 100% red lightness runs (1-12)
	134 ↔ 137	Lime background, illuminance adjustable. 100% red lightness runs (12-1)
	138 ↔ 141	Lime background, illuminance adjustable. 100%red lightness runs (1-12-1)
	142 ↔ 145	Lime background, illuminance adjustable. 100% red lightness runs (1-6,12-1), 1&12 light up in the same time, gathering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH14
	146 ↔ 149	Green background, illuminance adjustable. 100% blue lightness runs (1-12)
	150 ↔ 153	Green background, illuminance adjustable. 100% blue lightness runs (12-1)
	154 ↔ 157	Green background, illuminance adjustable. 100%blue lightness runs (1-12-1)
	158 ↔ 161	Green background, illuminance adjustable. 100% blue lightness runs (1-6,12-1), 1&12 light up in the same time, gathering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH14
	162 ↔ 165	Blue background, illuminance adjustable. 100% green lightness runs (1-12)
	166 ↔ 169	Blue background, illuminance adjustable. 100% green lightness runs (12-1)
170 ↔ 173	Blue background, illuminance adjustable. 100%green lightness runs (1-12-1)	

CHANNEL	VALUE	EFFECT
16	30 ↔ 33	12 (Illuminance 30%) - 11 (Illuminance 60%) 10 (Illuminance 100%) , (associated with CH1 ~ CH14) 11 (Illuminance 30%) - 10 (Illuminance 60%) 9 (Illuminance 100%) , (associated with CH1 ~ CH14) 10 (Illuminance 30%) - 9 (Illuminance 60%) 8 (Illuminance 100%) , (associated with CH1 ~ CH14) 9 (Illuminance 30%) - 8 (Illuminance 60%) 7 (Illuminance 100%) , (associated with CH1 ~ CH14) 8 (Illuminance 30%) - 7 (Illuminance 60%) 6 (Illuminance 100%) , (associated with CH1 ~ CH14) 7 (Illuminance 30%) - 6 (Illuminance 60%) 5 (Illuminance 100%) , (associated with CH1 ~ CH14) 6 (Illuminance 30%) - 5 (Illuminance 60%) 4 (Illuminance 100%) , (associated with CH1 ~ CH14) 5 (Illuminance 30%) - 4 (Illuminance 60%) 3 (Illuminance 100%) , (associated with CH1 ~ CH14) 4 (Illuminance 30%) - 3 (Illuminance 60%) 2 (Illuminance 100%) , (associated with CH1 ~ CH14) 3 (Illuminance 30%) - 2 (Illuminance 60%) 1 (Illuminance 100%) , (associated with CH1 ~ CH14)
	34 ↔ 37	1- 12(Single 2700K cycling operation, the background effect associated with CH1 ~ CH14)
	38 ↔ 41	12- 1(Single 2700K cycling operation, the background effect associated with CH1 ~ CH14)
	42 ↔ 45	1-12- 1(Single 2700K cycling operation, the background effect associated with CH1 ~ CH14)
	46 ↔ 49	1-6and 12-7(1<2700K>&12<2700K>light up in the same time, gethering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, the background effect associated with CH1~CH14)
	50 ↔ 53	1- 12(Single 6000K cycling operation, the background effect associated with CH1 ~ CH14)
	54 ↔ 57	12- 1(Single 6000K cycling operation, the background effect associated with CH1 ~ CH14)
	58 ↔ 61	1-12- 1(Single 6000K cycling operation, the background effect associated with CH1 ~ CH14)
	62 ↔ 65	1-6and 12-7(1<6000K>&12<6000K>light up in the same time, gethering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, the background effect associated with CH1~CH14)
	66 ↔ 69	Red background, illuminace adjustable. 100% green lightness runs (1-12)
70 ↔ 73	Red background, illuminace adjustable. 100% green lightness runs (12-1)	
74 ↔ 77	Red background, illuminace adjustable. 100% green lightness runs (1-12-1)	
78 ↔ 81	Red background, illuminace adjustable. 100% green lightness runs (1-6,12-1),1&12 light up in the same time, gethering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH14	
82 ↔ 85	Green background, illuminace adjustable. 100% blue lightness runs (1-12)	
86 ↔ 89	Green background, illuminace adjustable. 100% blue lightness runs (12-1)	

3.5 AUTO PLAYMODE



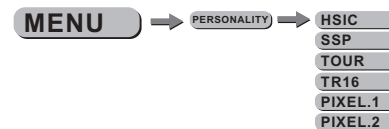
- Select the target [AUTO PROGRAM] program and press [ENTER] .
- Programs [AUTO.01] to [AUTO.10] are fully pre-programmed and will not be altered by changes in [EDIT] mode.
- Programs [PR.01] to [PR.10] are fully pre-programmed and can be edited in [EDIT] mode.

3.6 CONTROL、SELECT AND ADIT

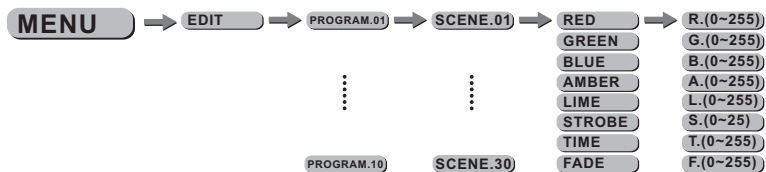
- push [OK] button into the information search mode in menu [RUN MODE] , [PERSONALITY] , [EDIT] ,push [up/down] to choose item.



- Enter the [RUN MODE] mode to set working mode.
- Enter the [UP] OR [DOWN] to using [Dm512] / [ARTNET] / [ARTNET TO DMX] / [SLAVE] controller to control the fixtures.



- Enter the [PERSONALITY] mode to select DMX mode: [H5IC] \ [SSP] \ [TOUR] \ [TR16] \ [PIXEL.1] \ [PIXEL.2]



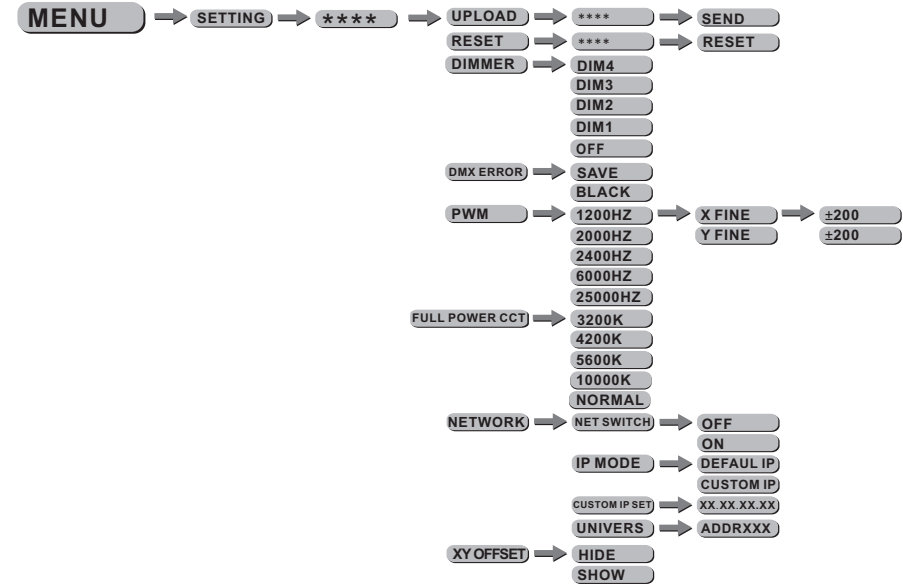
- Enter the [EDIT] mode to edit the custom programs [PROGRAM01] to [PROGRAM10] .
- Each custom program has 30 scenes that can be edited.
- Each step allows the creation of a scene using RED [RED] , GREEN [GREEN] , BLUE [BLUE] , AMBER [AMBER] , LIME [LIME] , STROBE [STROBE] , TIME [TIME] & FADE [FADE] .

CHANNEL	VALUE	EFFECT
15	176 ⇔ 180	1,3
	181 ⇔ 185	2,4
	186 ⇔ 190	5,7
	191 ⇔ 195	6,8
	196 ⇔ 200	9,11
	201 ⇔ 205	10,12
	206 ⇔ 210	1,2,3
	211 ⇔ 215	4,5,6
	216 ⇔ 220	7,8,9
	221 ⇔ 225	10,11,12
	226 ⇔ 230	1,2,3,4
	231 ⇔ 235	5,6,7,8
	236 ⇔ 240	9,10,11,12
	241 ⇔ 245	1,2,3,4,5,6
	246 ⇔ 250	7,8,9,10,11,12
251 ⇔ 255	ALL LED OUT	
16		PIXEL EFFECT
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 13	1-12(Single light cycling operation, associated with CH1 ~ CH14)
	14 ⇔ 17	12-1(Single light cycling operation, associated with CH1 ~ CH14)
	18 ⇔ 21	1-12-1(Single light cycling operation, associated with CH1 ~ CH14)
	22 ⇔ 25	1-6and12-7(1&12 light up in the same time, gethering from 2sides to the center in turn. When it is at6,7, spreading from the center to the 2 sides, associated with CH1~CH14)
	26 ⇔ 29	1 (Illuminance 30%) - 2 (Illuminance 60%) 3 (Illuminance 100%) , (associated with CH1 ~ CH14)
		2 (Illuminance 30%) - 3 (Illuminance 60%) 4 (Illuminance 100%) , (associated with CH1 ~ CH14)
		3 (Illuminance 30%) - 4 (Illuminance 60%) 5 (Illuminance 100%) , (associated with CH1 ~ CH14)
		4 (Illuminance 30%) - 5 (Illuminance 60%) 6 (Illuminance 100%) , (associated with CH1 ~ CH14)
		5 (Illuminance 30%) - 6 (Illuminance 60%) 7 (Illuminance 100%) , (associated with CH1 ~ CH14)
		6 (Illuminance 30%) - 7 (Illuminance 60%) 8 (Illuminance 100%) , (associated with CH1 ~ CH14)
		7 (Illuminance 30%) - 8 (Illuminance 60%) 9 (Illuminance 100%) , (associated with CH1 ~ CH14)
		8 (Illuminance 30%) - 9 (Illuminance 60%) 10 (Illuminance 100%) , (associated with CH1 ~ CH14)
		9 (Illuminance 30%) - 10 (Illuminance 60%) 11 (Illuminance 100%) , (associated with CH1 ~ CH14)
10 (Illuminance 30%) - 11 (Illuminance 60%) 12 (Illuminance 100%) , (associated with CH1 ~ CH14)		

CHANNEL	VALUE	EFFECT
14		STROBE
	0 ↔ 9	NO FUNCTION
	10 ↔ 99	STROBE FROM (SLOD TO FAST , 0-25Hz)
	100 ↔ 109	NO FUNCTION
	110 ↔ 179	LIGHTNING STROBE
	180 ↔ 189	NO FUNCTION
190 ↔ 255	RANDOM STROBE	
15		STATIC PIXEL
	0 ↔ 9	NO FUNCTION
	10 ↔ 15	1
	16 ↔ 21	1,4
	22 ↔ 27	1,5
	28 ↔ 33	1,6
	34 ↔ 39	1,7
	40 ↔ 45	1,4,7,10
	46 ↔ 51	1,3,5,7,9,11
	52 ↔ 57	2,4,6,8,10,12
	58 ↔ 63	1,2
	64 ↔ 69	1,2,3
	70 ↔ 75	1,2,3,4
	76 ↔ 85	ALL LED OUT
	86 ↔ 90	1
	91 ↔ 95	2
	96 ↔ 100	3
	101 ↔ 105	4
	106 ↔ 110	5
	111 ↔ 115	6
	116 ↔ 120	7
	121 ↔ 125	8
	126 ↔ 130	9
	131 ↔ 135	10
	136 ↔ 140	11
	141 ↔ 145	12
146 ↔ 150	1,2	
151 ↔ 155	3,4	
156 ↔ 160	5,6	
161 ↔ 165	7,8	
166 ↔ 170	9,10	
171 ↔ 175	11,12	

3.7 SETTINGS

- push [OK] button into the information search mode in menu [SETTING] , [KEY] , [CALIB.CCT] ,push [up/down] to choose item.

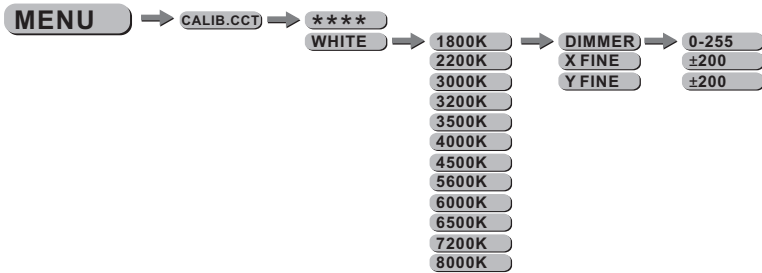


- [SETTING]...this menu allows the user to adjust key operation settings for this fixture.
- Select[UPLOAD] to upload the custom programs from the current MASTER unit to the SLAVE units.
- In order to reset custom modes to default values select [RESET] .Note: [UC][RGBW][CALIB.C] can' treset.
- Select [DIM1], [DIM2], [DIM3] or [DIM4] for different dimming speeds. ([DIM4]is the slowest dimming speed)
- [DMX ERROR] Choose[SAVE] in order to save the last DMX data incase of DMX signal error.Choose[BLACK] in case of DMX signal error.
- <PWM> is PWM refresh rate bottom, press UP/DOWN to choose <1200Hz>、<2400Hz>、<4000Hz>、<6000Hz>、<25000Hz>
Note: with refresh rate increased, gray rate of dimmer will be reduced, (that's means high refresh rate, low gray rate), when it's <25000Hz>,CV1 CV2 CV3 are invalid, so please lower PWM rate to increase gray rate in necessary.
- <FULL POWER CCT> is the color temperature choose bottom, press UP/DOWN to choose, under full power, <3200K>、<4200K>、<5600K>、<10000K> can be chosen, when choose <COLOR>,<3200K>、<4200K>、<5600K>、<10000K>are not work, but choose <NORMAL>.

- **[NET SWTCH]** is net switch, OFF adhere to 2.XX.XX.XX , ON adhere to 2.XX.XX.XX, **[IP MODE]** is IP mode setting, "DEFAULT IP" is default IP, CUSTOM IP is user IP, **[CUSTOM IP SET]** is customer IP setting, **[UNIVERS]** is data bulk setting, output series 0-255.
- **[XY OFFSET]** is the setting to hide the fine adjustment of the refresh frequency, select **[NO]** as not hidden, select **[YES]** as hidden, The default setting is **[YES]** ;



- Enter the **[KEY]** mode to select whether the access password is on or off.
- When the fixture is set as PASS **[ON]** , after 30 seconds or turn on the fixture next time, the fixture will need an access password to enter the display menu control.



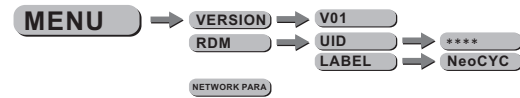
- Enter the **[CALIB.CCT]** to select white color of different color temperature.
- Press **[ENTER]** to enter the **[CCT]** color temperature adjustment, then press DOWN/UPkey to select the value of color temperature under the full power **[1800K]** , **[2200K]** , **[3000K]** , **[3200K]** , **[3500K]** , **[4000K]** , **[4500K]** , **[5600K]** , **[6000K]** , **[6500K]** , **[7200K]** , **[8000K]** , you can press DOWNorUPto select **[DIMMER]** or **[X FINE]** or **[Y FINE]** , then select the value **[0-255]** or **[±99]** if you need to adjust the color temperature.

TR16

CHANNEL	VALUE	EFFECT
1	0 ↔ 225	MASTER DIMMER
2	0 ↔ 225	MASTER DIMMER FINE
3	0 ↔ 225	RED
4	0 ↔ 225	RED FINE
5	0 ↔ 225	GREEN
6	0 ↔ 225	GREEN FINE
7	0 ↔ 225	BLUE
8	0 ↔ 225	BLUE FINE
9	0 ↔ 225	AMBER
10	0 ↔ 225	AMBER FINE
11	0 ↔ 225	LIME
12	0 ↔ 225	LIME FINE
13		COLOR MARCOS
	0 ↔ 10	NO FUNCTION
	11 ↔ 31	RED 100% / GREEN UP / BLUE 0%
	31 ↔ 50	RED DOWN / GREEN 100% / BLUE 0%
	51 ↔ 70	RED 0% / GREEN 100% / BLUE UP
	71 ↔ 90	RED 0% / GREEN DOWN / BLUE 100%
	91 ↔ 110	RED UP / GREEN 0% / BLUE 100%
	111 ↔ 130	RED 100% / GREEN 0% / BLUE DOWN
	131 ↔ 150	RED 100% / GREEN UP / BLUE UP
	151 ↔ 170	RED DOWN / GREEN DOWN / BLUE 100%
	171 ↔ 195	ALL LED AT FULL OUTPUT
	196 ↔ 200	2700K
	201 ↔ 205	3000K
	206 ↔ 210	3200K
	211 ↔ 215	3500K
	216 ↔ 220	4000K
	221 ↔ 225	4200K
	226 ↔ 230	4500K
	231 ↔ 235	5600K
	236 ↔ 240	6000K
241 ↔ 245	6500K	
246 ↔ 250	7200K	
251 ↔ 255	8000K	

CHANNEL	VALUE	EFFECT
10	216 ↔ 218	(1,2,3,4)-(5,6,7,8)-(9,10,11,12)
	219 ↔ 221	(12,11)-(10,9)-(8,7)-(6,5)-(4,3),(2,1)
	222 ↔ 224	(12,11,10)-(9,8,7)-(6,5,4)-(3,2,1)
	225 ↔ 227	(12,11,10,9)-(8,7,6,5)-(4,3,2,1)
	228 ↔ 230	1,2from left to right, 11,12from right to left
	231 ↔ 233	1,2,3from left to right, 10,11,12from right to left
	234 ↔ 236	1,2,3,4from left to right, 9,10,11,12from right to left
	237 ↔ 239	1-6RED, 7-12BLUE
	240 ↔ 242	1-6ORANGE, 7-12CYAN
	243 ↔ 245	1-6YELLOW, 7-12PURPLE
	246 ↔ 248	1-6GREEN, 7-12ORANGE
	249 ↔ 251	1-6CYAN, 7-12RED
	252 ↔ 254	1-6BLUE, 7-12YELLOW
	255	1-6PURPLE, 7-12GREEN
	11	0 ↔ 255
12		DIMMER SPEED
	0 ↔ 9	NO FUNCTION
	10 ↔ 29	OFF
	30 ↔ 69	DIM1
	70 ↔ 129	DIM2
	130 ↔ 189	DIM3
	190 ↔ 255	DIM4

3.8 INFORMATION VIEW



- push [OK] button into the information search mode in menu [VERSION], [RDM], [NETWORK PARA], push [up/down] to choose item.
- Choose [VERSION] software version
- Choose [RDM] check the fixture ID
- Choose [NETWORK PARA] check network specification

4 USING DMX512 CONTROLLER

4.1 CHANNEL ASSIGNMENT

◆ **Note:** This product has seven DMX512 channel configurations:

TOUR /TR16/ HSIC / SSP / PIXEL.1 / PIXEL.2

TOUR

CHANNEL	VALUE	EFFECT
1	0 ↔ 255	MASTER DIMMER
2	0 ↔ 255	RED
3	0 ↔ 255	GREEN
4	0 ↔ 255	BLUE
5	0 ↔ 255	AMBER
6	0 ↔ 255	LIME
7		COLOR MACRO
	0 ↔ 10	NO FUNCTION
	11 ↔ 30	RED 100% / GREEN UP / BLUE 0%
	31 ↔ 50	RED DOWN / GREEN 100% / BLUE 0%
	51 ↔ 70	RED 0% / GREEN 100% / BLUE UP
	71 ↔ 90	RED 0% / GREEN DOWN / BLUE 100%
	91 ↔ 110	RED UP / GREEN 0% / BLUE 100%
	111 ↔ 130	RED 100% / GREEN 0% / BLUE DOWN
	131 ↔ 150	RED 100% / GREEN UP / BLUE UP
	151 ↔ 170	RED DOWN / GREEN DOWN / BLUE 100%
	171 ↔ 195	ALL LED AT FULL OUTPUT
	196 ↔ 200	2700K
	201 ↔ 205	3000K
	206 ↔ 210	3200K
	211 ↔ 215	3500K
	216 ↔ 220	4000K
	221 ↔ 225	4200K
	226 ↔ 230	4500K
	231 ↔ 235	5600K
	236 ↔ 240	6000K
	241 ↔ 245	6500K
246 ↔ 250	7200K	
251 ↔ 255	8000K	

CHANNEL	VALUE	EFFECT
10	146 ↔ 149	Green background, illuminance adjustable. 100% blue lightness runs (1-12)
	150 ↔ 153	Green background, illuminance adjustable. 100% blue lightness runs (12-1)
	154 ↔ 157	Green background, illuminance adjustable. 100% blue lightness runs (1-12-1)
	158 ↔ 161	Green background, illuminance adjustable. 100% blue lightness runs (1-6,12-1),1&12 light up in the same time, gethering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH8
	162 ↔ 165	Blue background, illuminance adjustable. 100% green lightness runs (1-12)
	166 ↔ 169	Blue background, illuminance adjustable. 100% green lightness runs (12-1)
	170 ↔ 173	Blue background, illuminance adjustable. 100% green lightness runs (1-12-1)
	174 ↔ 177	Blue background, illuminance adjustable. 100% green lightness runs (1-6,12-1),1&12 light up in the same time, gethering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH8
	178 ↔ 181	Green background, illuminance adjustable. 100% red lightness runs (1-12)
	182 ↔ 185	Green background, illuminance adjustable. 100% red lightness runs (12-1)
	186 ↔ 189	Green background, illuminance adjustable. 100% red lightness runs (1-12-1)
	190 ↔ 193	Green background, illuminance adjustable. 100% red lightness runs (1-6,12-1),1&12 light up in the same time, gethering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH8
	194 ↔ 197	Blue background, illuminance adjustable. 100% red lightness runs (1-12)
	198 ↔ 201	Blue background, illuminance adjustable. 100% red lightness runs (12-1)
	202 ↔ 205	Blue background, illuminance adjustable. 100% red lightness runs (1-12-1)
	206 ↔ 209	Blue background, illuminance adjustable. 100% red lightness runs (1-6,12-1),1&12 light up in the same time, gethering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH8
	210 ↔ 212	(1, 2)-(3, 4)-(5, 6)-(7, 8)-(9, 10), (11, 12)
	213 ↔ 215	(1, 2, 3)-(4, 5, 6)-(7, 8, 9)-(10, 11, 12)

CHANNEL	VALUE	EFFECT
10	78 ↔ 81	Red background, illuminance adjustable. 100% green lightness runs (1-6,12-1),1&12 light up in the same time, gathering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH8
	82 ↔ 85	Green background, illuminance adjustable. 100% blue lightness runs (1-12)
	86 ↔ 89	Green background, illuminance adjustable. 100% blue lightness runs (12-1)
	90 ↔ 93	Green background, illuminance adjustable. 100% blue lightness runs (1-12-1)
	94 ↔ 97	Green background, illuminance adjustable. 100% blue lightness runs (1-6,12-1),1&12 light up in the same time, gathering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH8
	98 ↔ 101	Blue background, illuminance adjustable. 100% green lightness runs (1-12)
	102 ↔ 105	Blue background, illuminance adjustable. 100% green lightness runs (12-1)
	106 ↔ 109	Blue background, illuminance adjustable. 100% green lightness runs (1-12-1)
	110 ↔ 113	Blue background, illuminance adjustable. 100% green lightness runs (1-6,12-1),1&12 light up in the same time, gathering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH8
	114 ↔ 117	Amber background, illuminance adjustable. 100% red lightness runs (1-12)
	118 ↔ 121	Amber background, illuminance adjustable. 100% red lightness runs (12-1)
	122 ↔ 125	Amber background, illuminance adjustable. 100% red lightness runs (1-12-1)
	126 ↔ 129	Amber background, illuminance adjustable. 100% red lightness runs (1-6,12-1),1&12 light up in the same time, gathering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH8
	130 ↔ 133	Lime background, illuminance adjustable. 100% red lightness runs (1-12)
	134 ↔ 137	Lime background, illuminance adjustable. 100% red lightness runs (12-1)
	138 ↔ 141	Lime background, illuminance adjustable. 100% red lightness runs (1-12-1)
142 ↔ 145	Lime background, illuminance adjustable. 100% red lightness runs (1-6,12-1),1&12 light up in the same time, gathering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH8	

CHANNEL	VALUE	EFFECT
8		STROBE
	0 ↔ 9	NO FUNCTION
	10 ↔ 99	STROBE FROM (SLOD TO FAST , 0-25Hz)
	100 ↔ 109	NO FUNCTION
	110 ↔ 179	LIGHTNING STROBE
	180 ↔ 189	NO FUNCTION
	190 ↔ 255	RANDOM STROBE
9		STATIC PIXEL
	0 ↔ 9	NO FUNCTION
	10 ↔ 15	1
	16 ↔ 21	1,4
	22 ↔ 27	1,5
	28 ↔ 33	1,6
	34 ↔ 39	1,7
	40 ↔ 45	1,4,7,10
	46 ↔ 51	1,3,5,7,9,11
	52 ↔ 57	2,4,6,8,10,12
	58 ↔ 63	1,2
	64 ↔ 69	1,2,3
	70 ↔ 75	1,2,3,4
	76 ↔ 85	ALL LED OUT
	86 ↔ 90	1
	91 ↔ 95	2
	96 ↔ 100	3
	101 ↔ 105	4
	106 ↔ 110	5
	111 ↔ 115	6
	116 ↔ 120	7
121 ↔ 125	8	
126 ↔ 130	9	
131 ↔ 135	10	
136 ↔ 140	11	
141 ↔ 145	12	
146 ↔ 150	1,2	
151 ↔ 155	3,4	
156 ↔ 160	5,6	
161 ↔ 165	7,8	
166 ↔ 170	9,10	
171 ↔ 175	11,12	

CHANNEL	VALUE	EFFECT
9	176 ↔ 180	1,3
	181 ↔ 185	2,4
	186 ↔ 190	5,7
	191 ↔ 195	6,8
	196 ↔ 200	9,11
	201 ↔ 205	10,12
	206 ↔ 210	1,2,3
	211 ↔ 215	4,5,6
	216 ↔ 220	7,8,9
	221 ↔ 225	10,11,12
	226 ↔ 230	1,2,3,4
	231 ↔ 235	5,6,7,8
	236 ↔ 240	9,10,11,12
	241 ↔ 245	1,2,3,4,5,6
	246 ↔ 250	7,8,9,10,11,12
251 ↔ 255	ALL LED OUT	
10		PIXEL EFFECT
	0 ↔ 9	NO FUNCTION
	10 ↔ 13	1-12(Single light cycling operation, associated with CH1 ~ CH8)
	14 ↔ 17	12-1(Single light cycling operation, associated with CH1 ~ CH8)
	18 ↔ 21	1-12-1(Signle light cycling operation, associated with CH1 ~ CH8)
	22 ↔ 25	1-6 and 12-7(1&12 light up in the same time, gethering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, associated with CH1~CH8)
	26 ↔ 29	1 (Illuminance 30%) - 2 (Illuminance 60%) 3 (Illuminance 100%) , (associated with CH1 ~ CH8)
		2 (Illuminance 30%) - 3 (Illuminance 60%) 4 (Illuminance 100%) , (associated with CH1 ~ CH8)
		3 (Illuminance 30%) - 4 (Illuminance 60%) 5 (Illuminance 100%) , (associated with CH1 ~ CH8)
		4 (Illuminance 30%) - 5 (Illuminance 60%) 6 (Illuminance 100%) , (associated with CH1 ~ CH8)
		5 (Illuminance 30%) - 6 (Illuminance 60%) 7 (Illuminance 100%) , (associated with CH1 ~ CH8)
		6 (Illuminance 30%) - 7 (Illuminance 60%) 8 (Illuminance 100%) , (associated with CH1 ~ CH8)
		7 (Illuminance 30%) - 8 (Illuminance 60%) 9 (Illuminance 100%) , (associated with CH1 ~ CH8)
		8 (Illuminance 30%) - 8 (Illuminance 60%) 10 (Illuminance 100%) , (associated with CH1 ~ CH8)
		9 (Illuminance 30%) - 10 (Illuminance 60%) 11 (Illuminance 100%) , (associated with CH1 ~ CH8)

CHANNEL	VALUE	EFFECT
10	26 ↔ 29	10 (Illuminance 30%) - 11 (Illuminance 60%) 12 (Illuminance 100%) , (associated with CH1 ~ CH8)
	30 ↔ 33	12 (Illuminance 30%) - 11 (Illuminance 60%) 10 (Illuminance 100%) , (associated with CH1 ~ CH8)
		11 (Illuminance 30%) - 10 (Illuminance 60%) 9 (Illuminance 100%) , (associated with CH1 ~ CH8)
		10 (Illuminance 30%) - 9 (Illuminance 60%) 8 (Illuminance 100%) , (associated with CH1 ~ CH8)
		9 (Illuminance 30%) - 8 (Illuminance 60%) 7 (Illuminance 100%) , (associated with CH1 ~ CH8)
		8 (Illuminance 30%) - 7 (Illuminance 60%) 6 (Illuminance 100%) , (associated with CH1 ~ CH8)
		7 (Illuminance 30%) - 6 (Illuminance 60%) 5 (Illuminance 100%) , (associated with CH1 ~ CH8)
		6 (Illuminance 30%) - 5 (Illuminance 60%) 4 (Illuminance 100%) , (associated with CH1 ~ CH8)
		5 (Illuminance 30%) - 4 (Illuminance 60%) 3 (Illuminance 100%) , (associated with CH1 ~ CH8)
		4 (Illuminance 30%) - 3 (Illuminance 60%) 2 (Illuminance 100%) , (associated with CH1 ~ CH8)
	3 (Illuminance 30%) - 2 (Illuminance 60%) 1 (Illuminance 100%) , (associated with CH1 ~ CH8)	
	34 ↔ 37	1-12(Single 2700K cycling operation, the background effect associated with CH1 ~ CH8)
	38 ↔ 41	12-1(Single 2700K cycling operation, the background effect associated with CH1 ~ CH8)
	42 ↔ 45	1-12-1(Single 2700K cycling operation, the background effect associated with CH1 ~ CH8)
	46 ↔ 49	1-6 and 12-7(1<2700K>&12<2700K>light up in the same time, gethering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, the background effect associated with CH1~CH8)
50 ↔ 53	1-12(Single 6000K cycling operation, the background effect associated with CH1 ~ CH8)	
54 ↔ 57	12-1(Single 6000K cycling operation, the background effect associated with CH1 ~ CH8)	
58 ↔ 61	1-12-1(Single 6000K cycling operation, the background effect associated with CH1 ~ CH8)	
62 ↔ 65	1-6 and 12-7(1<6000K>&12<6000K>light up in the same time, gethering from 2sides to the center in turn. When it is at6,7,spreading from the center to the 2 sides, the background effect associated with CH1~CH8)	
66 ↔ 69	Red background, illuminace adjustable. 100% green lightness runs (1-12)	
70 ↔ 73	Red background, illuminace adjustable. 100% green lightness runs (12-1)	
74 ↔ 77	Red background, illuminace adjustable. 100% green lightness runs (1-12-1)	