

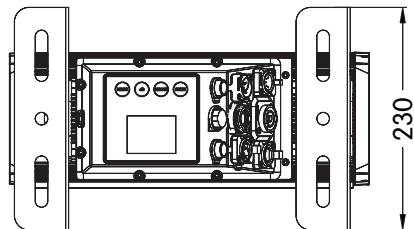
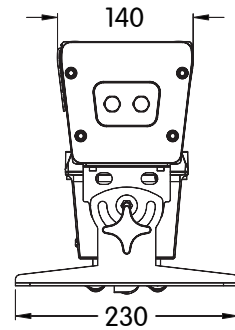
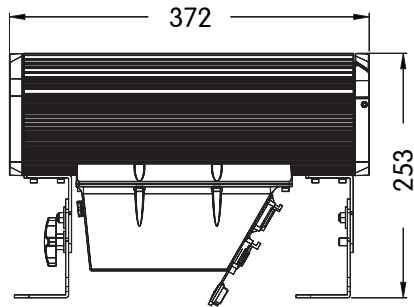
**DashLight 4 Outdoor**  
**USER MANUAL**

# 1 PRODUCT (GENERAL)

## 1.1 TECHNICAL SPECIFICATIONS

### LED MODULE

Type	Voltage	Operation Temperature	Weight (KG)	Dimensions (mm)	Power (W)	IP	Model (pcs)
DashLight 4 Outdoor	AC100~240V 50/60hz	-20~45	7.8	372X230X253	110	65	R*8PCS G*8PCS B*8PCS A*8PCS L*16PCS



1.2 Protocol: DMX512, ART-NET, sACN。

1.3 configuration parameter: Webserver

### PIXEL.3

CHANNEL	VALUE	EFFECT
1	0 ↔ 255	RED1
2	0 ↔ 255	GREEN1
3	0 ↔ 255	BLUE1
4	0 ↔ 255	AMBER1
5	0 ↔ 255	LIME1
6	0 ↔ 255	RED2
7	0 ↔ 255	GREEN2
8	0 ↔ 255	BLUE2
9	0 ↔ 255	AMBER2
10	0 ↔ 255	LIME2
11	0 ↔ 255	RED3
12	0 ↔ 255	GREEN3
13	0 ↔ 255	BLUE3
14	0 ↔ 255	AMBER3
15	0 ↔ 255	LIME3
16	0 ↔ 255	RED4
17	0 ↔ 255	GREEN4
18	0 ↔ 255	BLUE4
19	0 ↔ 255	AMBER4
20	0 ↔ 255	LIME4

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	RED 1
4	0 ↔ 255	GREEN 1
5	0 ↔ 255	BLUE 1
6	0 ↔ 255	AMBER 1
7	0 ↔ 255	LIME 1
8	0 ↔ 255	RED 2
9	0 ↔ 255	GREEN 2
10	0 ↔ 255	BLUE 2
11	0 ↔ 255	AMBER 2
12	0 ↔ 255	LIME 2
13	0 ↔ 255	RED 3
14	0 ↔ 255	GREEN 3
15	0 ↔ 255	BLUE 3
16	0 ↔ 255	AMBER 3
17	0 ↔ 255	LIME 3
18	0 ↔ 255	RED 4
19	0 ↔ 255	GREEN 4
20	0 ↔ 255	BLUE 4
21	0 ↔ 255	AMBER 4
22	0 ↔ 255	LIME 4
23		DIMMER SPEED
	0 ↔ 9	NO FUNCTION
	10 ↔ 29	OFF
	30 ↔ 69	DIM1
	70 ↔ 129	DIM2
	130 ↔ 189	DIM3
	190 ↔ 255	DIM4

## 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.



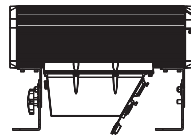
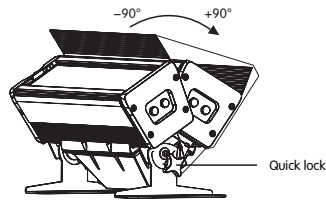
Caution, risk of electric shock  
The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

## 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

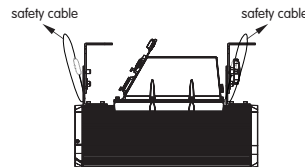


Horizontal placement

#### **UPRIGHT**

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.



Hanging

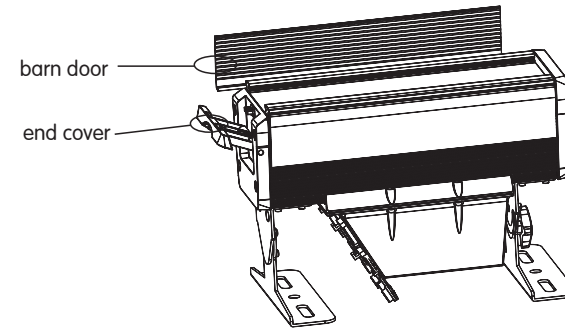
#### PIXEL.1

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 STROBE
3	0 ↔ 255	RED 1
4	0 ↔ 255	GREEN 1
5	0 ↔ 255	BLUE 1
6	0 ↔ 255	RED 2
7	0 ↔ 255	GREEN 2
8	0 ↔ 255	BLUE 2
9	0 ↔ 255	RED 3
10	0 ↔ 255	GREEN 3
11	0 ↔ 255	BLUE 3
12	0 ↔ 255	RED 4
13	0 ↔ 255	GREEN 4
14	0 ↔ 255	BLUE 4
15		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	166 ↔ 170	AMBER background ,illuminace adjustable . 100% green lightness runs(1-4)
	171 ↔ 175	AMBER background ,illuminace adjustable . 100% green lightness runs(4-1)
	176 ↔ 180	AMBER background ,illuminace adjustable . 100% green lightness runs(1-4-1)
	181 ↔ 185	AMBER background ,illuminace adjustable . 100% GREEN lightness runs ( 1-2,4-3 ) , 1&4light up in the same time, gethering from 2 sides to the center in turn .when it is at 2.3,sperading from the center to the 2 sides. associated with CH1-CH4.
	186 ↔ 190	LIME background ,illuminace adjustable . 100% RED lightness runs(1-4)
	191 ↔ 195	LIME background ,illuminace adjustable . 100% RED lightness runs(4-1)
	196 ↔ 200	LIME background ,illuminace adjustable . 100% RED lightness runs(1-4-1)
	201 ↔ 205	LIME background ,illuminace adjustable . 100% RED lightness runs ( 1-2,4-3 ) , 1&4light up in the same time, gethering from 2 sides to the center in turn .when it is at 2.3,sperading from the center to the 2 sides. associated with CH1-CH4.
	206 ↔ 210	(1,2)-(3,4)
	211 ↔ 215	(3,4)-(1,2)
	216 ↔ 220	(1,3)-(2,4)
	221 ↔ 225	1-2red , 3-4blue
	226 ↔ 230	1-2orange , 3-4cyan
	231 ↔ 235	1-2yellow , 3-4purple
	236 ↔ 240	1-2green , 3-4orange
241 ↔ 245	1-2cyan , 3-4red	
246 ↔ 250	1-2blue , 3-4yellow	
251 ↔ 255	1-2purple , 3-4green	
17	0 ↔ 255	AUTO SPEED AD JU STMENT
18		DIMMER SPEED
	0 ↔ 9	NO FUNCTION
	10 ↔ 29	OFF
	30 ↔ 69	DIM1
	70 ↔ 129	DIM2
	130 ↔ 189	DIM3
	190 ↔ 255	DIM4

## 2.2 INSTALLATION OF BARN DOOR

- Open the end cover to replace the barn door



## 2.3 POWER CONNECTIONS

@ 220V: 6 units may be connected in series

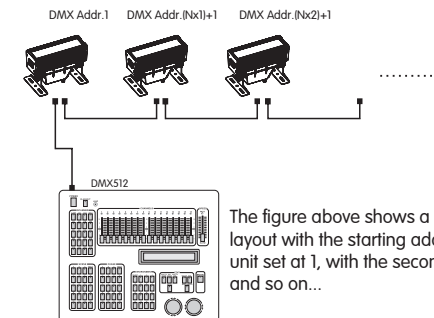
@ 110V: 3 units may be connected in series

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.

## 2.4 CONNECT TO DMX512 CONSOLE SETTINGS

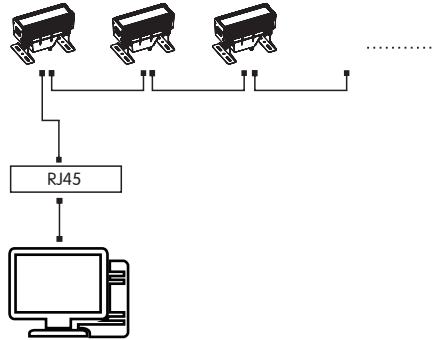
- Connect the DMX512 controller to the units in series.
- Each unit has 9 DMX channels so the DMX Addresses should increase by increments of 1, (Nx1)+1, (Nx2)+1, (Nx3)+1, ...
- Each DMX Address may be used as many times as required.
- Any DMX address in the range from 001 to 512 may be used.



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

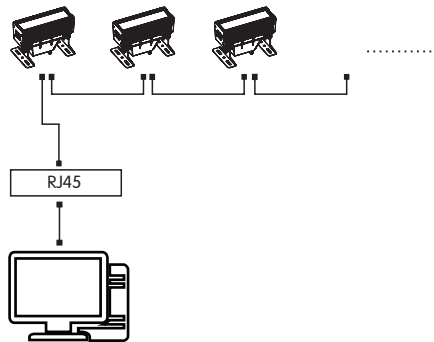
- Select the [ARTNET TO DMX] after selecting [RUN MODE] in the MENU
- Connect the fixture with one end of the cable through the RJ45 port of the fixture



## 2.6 WebServer connection

Connect the RJ45 port between the computer or notebook and fixtures with a network cable

- Set computer's IP the same as the fixture.
  1. Click on the "Network" icon in the lower right corner of the screen.
  2. Click "Connect Network and Sharing Center" – "Local Connection" – "Click "Properties" – "Double click "Internet Protocol IV" –" click " "Use the following IP address"
  3. IP address: The first address is consistent with the fixture (for example :fixture IP is 2.16.394.4, the IP can be set to 2.X.X.X or 10.X.X.X)
  4. Subnet mask: 255.0.0.0 (fixture IP starts with 2)
- Connect other fixture through the RJ45 port, but one fixture can be control at a time.



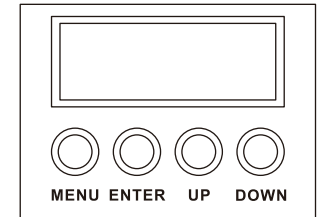
CHANNEL	VALUE	EFFECT
16	86 ↔ 90	1-4(Single 6000k cycling operation ,the background effect associated with CH1-CH4)
	91 ↔ 95	4-1(Single 6000k cycling operation ,the background effect associated with CH1-CH4)
	96 ↔ 100	1-4-1(Single 6000k cycling operation ,the background effect associated with CH1-CH4)
	101 ↔ 105	1-2 and 3-4(1<6000k>&2<6000K>light up in the same time,gethering from 2 sides to the center in turn .when it is at 2.3,sperading from the center to the 2 sides,the background effect associated with CH1-CH4)
	106 ↔ 110	Red background ,illuminate adjustable . 100% green lightness runs(1-4)
	111 ↔ 115	Red background ,illuminate adjustable . 100% green lightness runs(4-1)
	116 ↔ 120	Red background ,illuminate adjustable . 100% green lightness runs(1-4-1)
	121 ↔ 125	Red background ,illuminate adjustable . 100% green lightness runs ( 1-2,3-4 ) , 1&4light up in the same time,gethering from 2 sides to the center in turn .when it is at2.3,sperading from the center to the 2 sides. associated with CH1-CH4.
	126 ↔ 130	green background ,illuminate adjustable . 100% blue lightness runs(1-4)
	131 ↔ 135	green background ,illuminate adjustable . 100% blue lightness runs(4-1)
	136 ↔ 140	green background ,illuminate adjustable . 100% blue lightness runs(1-4-1)
	141 ↔ 145	Green background ,illuminate adjustable . 100% blue lightness runs ( 1-2,4-3 ) , 1&4light up in the same time,gethering from 2 sides to the center in turn .when it is at 2.3,sperading from the center to the 2 sides. associated with CH1-CH4.
	146 ↔ 150	Blue background ,illuminate adjustable . 100% green lightness runs(1-4)
	151 ↔ 155	Blue background ,illuminate adjustable . 100% green lightness runs(4-1)
	156 ↔ 160	Blue background ,illuminate adjustable . 100% green lightness runs(1-4-1)
	161 ↔ 165	BLUE background ,illuminate adjustable . 100% GREEN lightness runs ( 1-2,4-3 ) , 1&4light up in the same time,gethering from 2 sides to the center in turn .when it is at 2.3,sperading from the center to the 2 sides. associated with CH1-CH4.

CHANNEL	VALUE	EFFECT
14		STROBE
	0 ⇄ 9	NO FUNCTION
	10 ⇄ 99	STROBE FROM (SLOD TO FAST , 0-25Hz)
	100 ⇄ 109	NO FUNCTION
	110 ⇄ 179	LIGHTING STROBE
	180 ⇄ 189	NO FUNCTION
	190 ⇄ 255	RANDOM STROBE
15		STATIC PIXEL
	0 ⇄ 9	NO FUNCTIN
	10 ⇄ 28	1
	29 ⇄ 56	2
	57 ⇄ 84	3
	85 ⇄ 112	4
	113 ⇄ 140	1,2
	141 ⇄ 168	3,4
	169 ⇄ 196	1,3
	197 ⇄ 224	2,4
	225 ⇄ 255	ALLLED OUT
16		PIXEL EFFECT
	0 ⇄ 9	NO FUNCTION
	10 ⇄ 15	1⇄4
	16 ⇄ 21	4⇄1
	22 ⇄ 27	1⇄4⇄1
	28 ⇄ 33	1⇄2 and 3⇄4
	34 ⇄ 39	1 ( Illuminance 30% ) - 2 ( Illuminance60% ) 3 ( Illuminance100% )
	40 ⇄ 45	2 ( Illuminance30% ) - 3 ( Illuminance60% ) 4 ( Illuminance100% )
	46 ⇄ 51	4 ( Illuminance30% ) - 3 ( Illuminance60% ) 2 ( Illuminance100% )
	52 ⇄ 57	3 ( Illuminance30% ) - 2 ( Illuminance60% ) 1 ( Illuminance100% )
	58 ⇄ 63	1-4(Single 2700k cycling operation ,the background effect associated with CH1-CH4)
	64 ⇄ 69	4-1(Single 2700k cycling operation ,the background effect associated with CH1-CH4)
	70 ⇄ 75	1-4-1(Single 2700k cycling operation ,the background effect associated with CH1-CH4)
	76 ⇄ 85	1-2 and 3-4(1<2700k>&2<2700K>light up in the same time ,getthering from 2 sides to the center in turn .when it is at 2.3,sperading from the center to the 2 sides,the background effect associated with CH1-CH4)

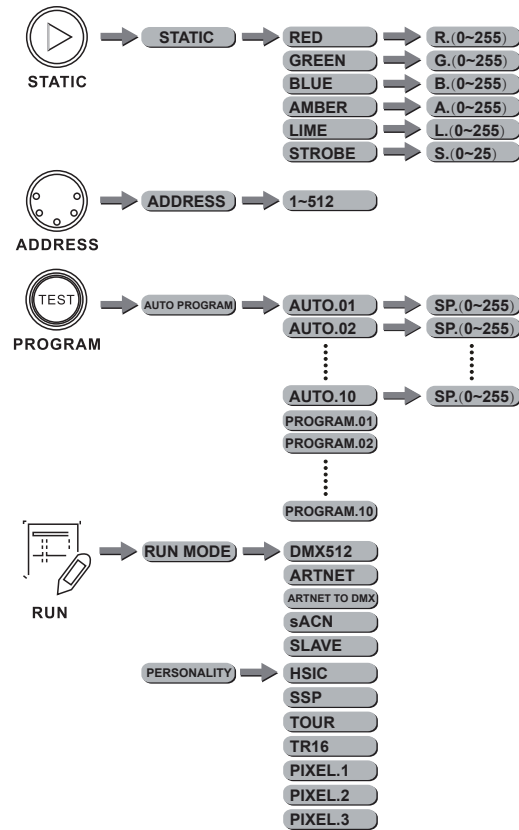
### 3 DISPLAY PANEL OPERATION

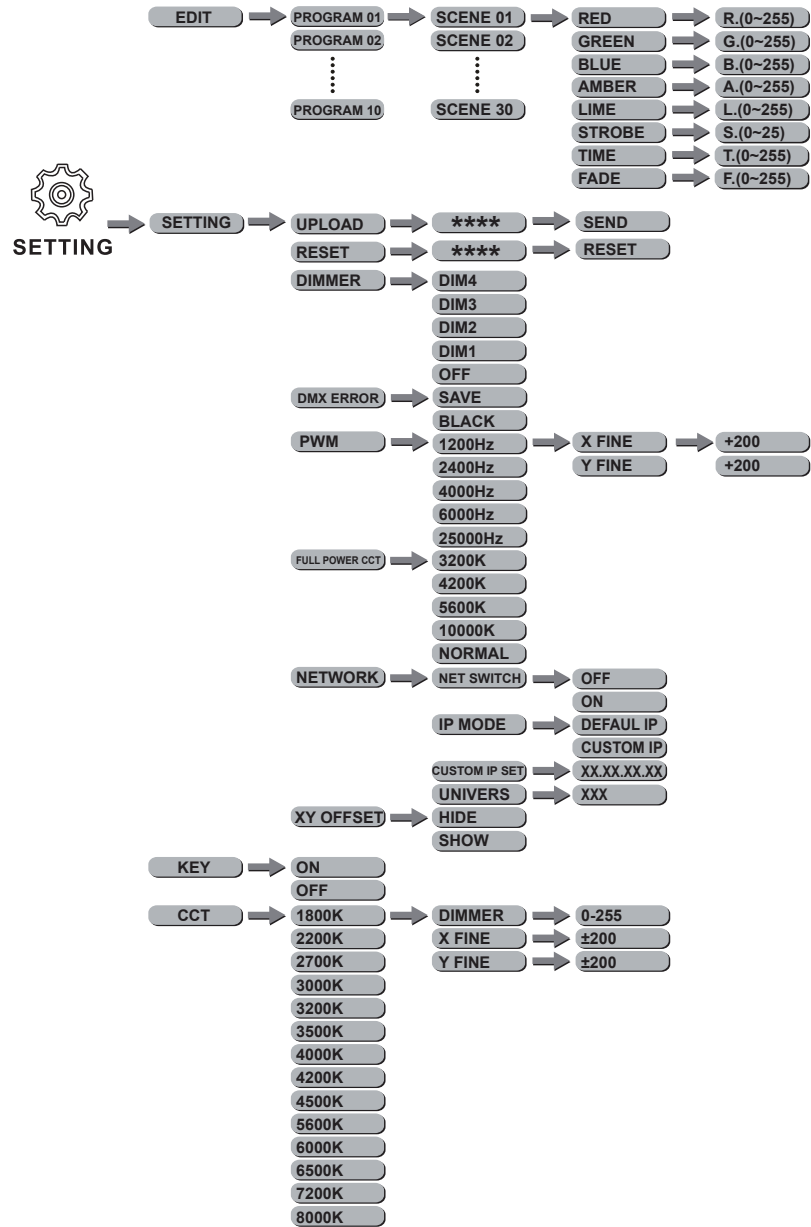
#### 3.1 DISPLAY OPERATION

- [ 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 MAR

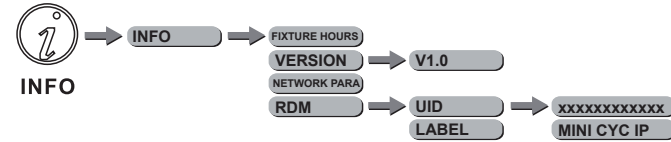




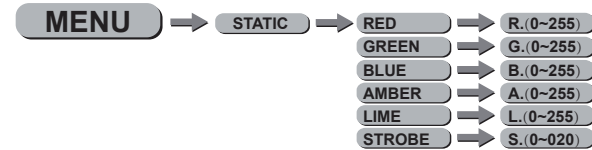
TR16

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 LEDAT FULL OUTPUT
	196 ↔ 199	1800K
	200 ↔ 203	2200K
	204 ↔ 207	2700K
	208 ↔ 211	3000K
	212 ↔ 215	3200K
	216 ↔ 219	3500K
	220 ↔ 223	4000K
	224 ↔ 227	4200K
	228 ↔ 231	4500K
232 ↔ 235	5600K	
236 ↔ 239	6000K	
240 ↔ 243	6500K	
244 ↔ 247	7200K	
248 ↔ 255	8000K	

CHANNEL	VALUE	EFFECT
10	166 ↔ 170	AMBER background ,illuminate adjustable . 100% green lightness runs(1-4)
	171 ↔ 175	AMBER background ,illuminate adjustable . 100% green lightness runs(4-1)
	176 ↔ 180	AMBER background ,illuminate adjustable . 100% green lightness runs(1-4-1)
	181 ↔ 185	AMBER background ,illuminate adjustable . 100% GREEN lightness runs ( 1-2,4-3 ) , 1&4light up in the same time, gethering from 2 sides to the center in turn .when it is at 2.3, sperading from the center to the 2 sides. associated with CH1-CH4.
	186 ↔ 190	LIME background ,illuminate adjustable . 100% RED lightness runs(1-4)
	191 ↔ 195	LIME background ,illuminate adjustable . 100% RED lightness runs(4-1)
	196 ↔ 200	LIME background ,illuminate adjustable . 100% RED lightness runs(1-4-1)
	201 ↔ 205	LIME background ,illuminate adjustable . 100% RED lightness runs ( 1-2,4-3 ) , 1&4light up in the same time, gethering from 2 sides to the center in turn .when it is at 2.3, sperading from the center to the 2 sides. associated with CH1-CH4.
	206 ↔ 210	(1,2)-(3,4)
	211 ↔ 215	(3,4)-(1,2)
	216 ↔ 220	(1,3)-(2,4)
	221 ↔ 225	1-2red , 3-4blue
	226 ↔ 230	1-2orange , 3-4cyan
	231 ↔ 235	1-2yellow , 3-4purple
	236 ↔ 240	1-2green , 3-4orange
	241 ↔ 245	1-2cyan , 3-4red
	246 ↔ 250	1-2blue , 3-4yellow
	251 ↔ 255	1-2purple , 3-4green
	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



### 3.3 EDIT STATIC COLOUR



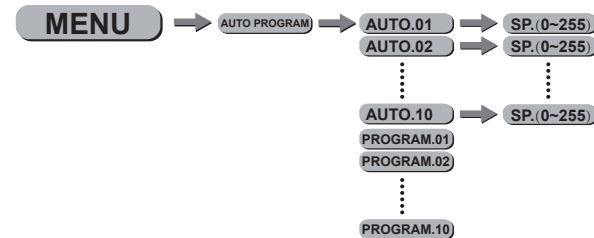
- Combine [ RED ], [ GREEN ], [ BLUE ], [ AMBER ] and [ LIME ] to create an infinite range of colors (0-255)
- Set the value of the [ STROBE ] (0-25Hz)

### 3.4 DMX ADDRESS



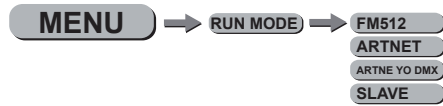
- Enter the [ ADDRESS ] mode to set the DMX ADDRESS.

### 3.5 ACTIVATING AUTO PROGRAMS



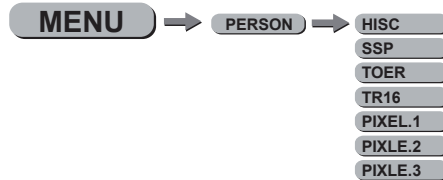
- Select the target [ AUTO PROGRAM ] program and press [ ENTER ] .
- Programs [ AUTO.01 ] to [ AUTO.10 ] are fully pre-programmed and will not be altered by changes in [ EDIT ] mode.
- Programs [ PROGRAM.01 ] to [ PROGRAM.10 ] are fully pre-programmed and can be edited in [ EDIT ] mode.

### 3.6 RUN MODE



- 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.

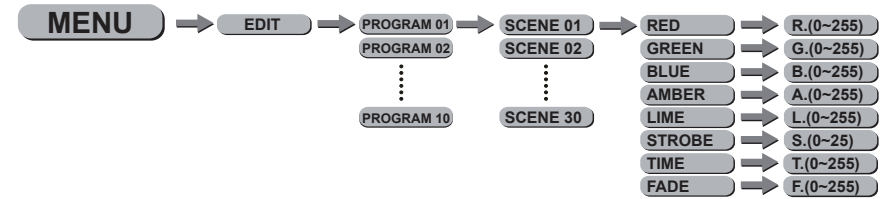
### 3.7 PERSONALITY



- Enter the [ PERSONALITY ] mode to select DMX mode: [ HISC ] / [ SSP ] / [ TOUR ] / [ TR16 ] / [ PIXEL.1 ] / [ PIXEL.2 ] / [ PIXEL.3 ] .

CHANNEL	VALUE	EFFECT
10	86 ↔ 90	1-4(Single 6000k cycling operation ,the background effect associated with CH1-CH4)
	91 ↔ 95	4-1(Single 6000k cycling operation ,the background effect associated with CH1-CH4)
	96 ↔ 100	1-4-1(Single 6000k cycling operation ,the background effect associated with CH1-CH4)
	101 ↔ 105	1-2 and 3-4(1<6000k>&2<6000K>light up in the same time,gethering from 2 sides to the center in turn .when it is at 2.3,sperading from the center to the 2 sides,the background effect associated with CH1-CH4)
	106 ↔ 110	Red background ,illuminate adjustable . 100% green lightness runs(1-4)
	111 ↔ 115	Red background ,illuminate adjustable . 100% green lightness runs(4-1)
	116 ↔ 120	Red background ,illuminate adjustable . 100% green lightness runs(1-4-1)
	121 ↔ 125	Red background ,illuminate adjustable . 100% green lightness runs ( 1-2,3-4 ) , 1&4light up in the same time,gethering from 2 sides to the center in turn .when it is at2.3,sperading from the center to the 2 sides. associated with CH1-CH4.
	126 ↔ 130	green background ,illuminate adjustable . 100% blue lightness runs(1-4)
	131 ↔ 135	green background ,illuminate adjustable . 100% blue lightness runs(4-1)
	136 ↔ 140	green background ,illuminate adjustable . 100% blue lightness runs(1-4-1)
	141 ↔ 145	Green background ,illuminate adjustable . 100% blue lightness runs ( 1-2,4-3 ) , 1&4light up in the same time,gethering from 2 sides to the center in turn .when it is at 2.3,sperading from the center to the 2 sides. associated with CH1-CH4.
	146 ↔ 150	Blue background ,illuminate adjustable . 100% green lightness runs(1-4)
	151 ↔ 155	Blue background ,illuminate adjustable . 100% green lightness runs(4-1)
	156 ↔ 160	Blue background ,illuminate adjustable . 100% green lightness runs(1-4-1)
	161 ↔ 160	BLUE background ,illuminate adjustable . 100% GREEN lightness runs ( 1-2,4-3 ) , 1&4light up in the same time,gethering from 2 sides to the center in turn .when it is at 2.3,sperading from the center to the 2 sides. associated with CH1-CH4.

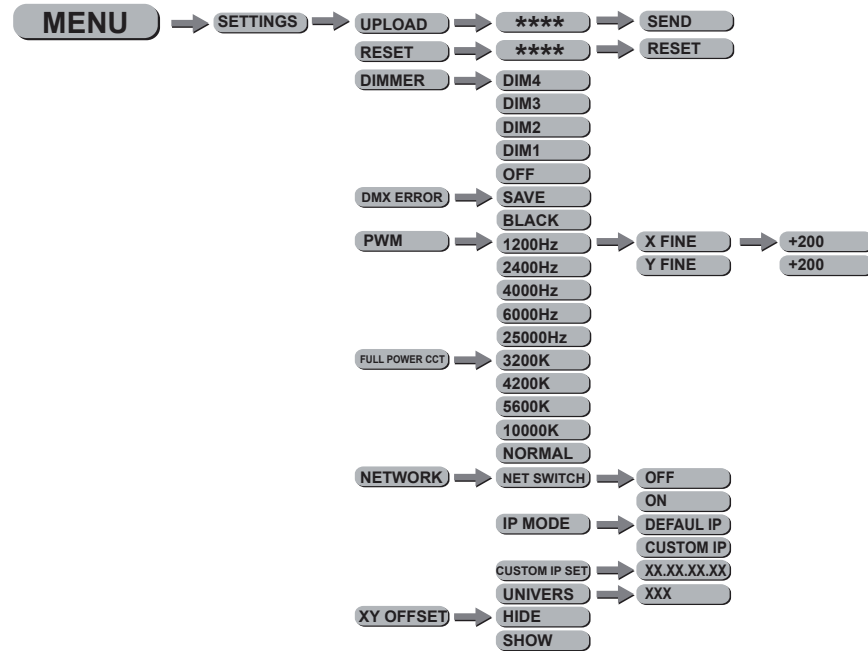
CHANNEL	VALUE	EFFECT
8		STROBE
	0 ⇄ 9	NO FUNCTION
	10 ⇄ 99	STROBE FROM ( SLOD TO FAST , 0-25Hz )
	100 ⇄ 109	NO FUNCTION
	110 ⇄ 179	LIGHTING STROBE
	180 ⇄ 189	NO FUNCTION
	190 ⇄ 255	RANDOM STROBE
9		STATIC PIXEL
	0 ⇄ 9	NO FUNCTIN
	10 ⇄ 28	1
	29 ⇄ 56	2
	57 ⇄ 84	3
	85 ⇄ 112	4
	113 ⇄ 140	1,2
	141 ⇄ 168	3,4
	169 ⇄ 196	1,3
	197 ⇄ 224	2,4
225 ⇄ 255	ALLLED OUT	
10		PIXEL EFFECT
	0 ⇄ 9	NO FUNCTION
	10 ⇄ 15	1⇄4
	16 ⇄ 21	4⇄1
	22 ⇄ 27	1⇄4⇄1
	28 ⇄ 33	1⇄2 and 3⇄4
	34 ⇄ 39	1 ( Illuminance 30% ) - 2 ( Illuminance60% ) 3 ( Illuminance100% )
	40 ⇄ 45	2 ( Illuminance30% ) - 3 ( Illuminance60% ) 4 ( Illuminance100% )
	46 ⇄ 51	4 ( Illuminance30% ) - 3 ( Illuminance60% ) 2 ( Illuminance100% )
	52 ⇄ 57	3 ( Illuminance30% ) - 2 ( Illuminance60% ) 1 ( Illuminance100% )
	58 ⇄ 63	1-4(Single 2700k cycling operation ,the background effect associated with CH1-CH4)
	64 ⇄ 69	4-1(Single 2700k cycling operation ,the background effect associated with CH1-CH4)
	70 ⇄ 75	1-4-1(Single 2700k cycling operation ,the background effect associated with CH1-CH4)
	76 ⇄ 85	1-2 and 3-4(1<2700k>&2<2700K>light up in the same time,gethering from 2 sides to the center in turn .when it is at 2.3,sperading from the center to the 2 sides,the background effect associated with CH1-CH4)



- 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 ] .

### 3.8 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't reset
- [COLOR] is for activate/unactivate the color calibration functions. When [RGBW] is selected, on RGB = 255,255,255, the color is displayed as calibrated in CALIB.C -- RGBW. When [COLOR] is set [OFF], on RGB = 255,255,255, the RGB values are not adjusted and the output is most powerful. When [UC] is selected, the RGB output are adjusted to a standard preset universal color which balances fixtures from different generations. Note: [COLOR] work only when choose [NORMAL] at [FULL POWER CCT]

### 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 MACROS
	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 ↔ 199	1800K
	200 ↔ 203	2200K
	204 ↔ 207	2700K
	208 ↔ 211	3000K
	212 ↔ 215	3200K
	216 ↔ 219	3500K
	220 ↔ 223	4000K
	224 ↔ 227	4200K
	228 ↔ 231	4500K
	232 ↔ 235	5600K
	236 ↔ 239	6000K
	240 ↔ 243	6500K
	244 ↔ 247	7200K
248 ↔ 255	8000K	

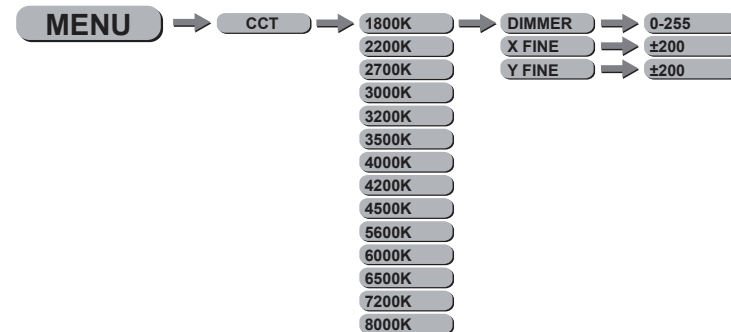
SSP

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

- 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 in case of DMX signal error. Choose[BLACK] in order to blackout 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

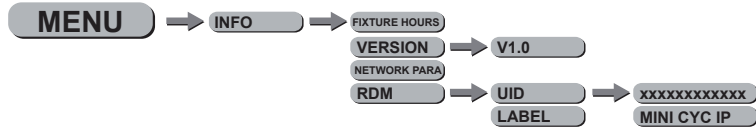


- Enter the [ KEY ] mode to select whether the access password is on or off.
- When the fixture is set as PASS [ ON ], after 30 seconds or turn on the fixture next time, the fixture will need an access password to enter the display menu control.



- Enter the [ CALIB.CCT ] to select white color of different color temperature.
- There are 14 pre-programmed White colors can be edited by using [ DIMMER ], [ X FINE ] & [ Y FINE ] .

### 3.9 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

### 3.10 WebServer Instructions

- Open the browser (IE10, IE11, Chrome Recommended), enter the fixture' s IP in the address, click “Enter” to login in (the original username and password are “admin” )
1. HOME: Product introduction.
  2. SETTINGS: parameter setting: control protocol, data packet group, IP, address, channel mode, dimming mode, strobe.
  3. OUTPUT: fixture simple testing, single color test and color mixing test
  4. SECURITY: [Change Password]; [Update Software] (code file with suffix .yj)

## 4 USING DMX512 CONTROLLER

### 4.1 CHANNEL ASSIGNMENT

- Note: This product has seven DMX512 channel configurations: 【 H SIC 】、【 SSP 】、【 TOUR 】、【 TR16 】、【 PIXEL.1 】、【 PIXEL.2 】、【 PIXEL.3 】.

#### HSIC

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 ↔ 28	1800K
	29 ↔ 46	2200K
	47 ↔ 64	2700K
	65 ↔ 82	3000K
	83 ↔ 100	3200K
	101 ↔ 118	3500K
	119 ↔ 136	4000K
	137 ↔ 154	4200K
	155 ↔ 172	4500K
	173 ↔ 190	5600K
	191 ↔ 208	6000K
	209 ↔ 226	6500K
227 ↔ 244	7200K	
245 ↔ 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	