
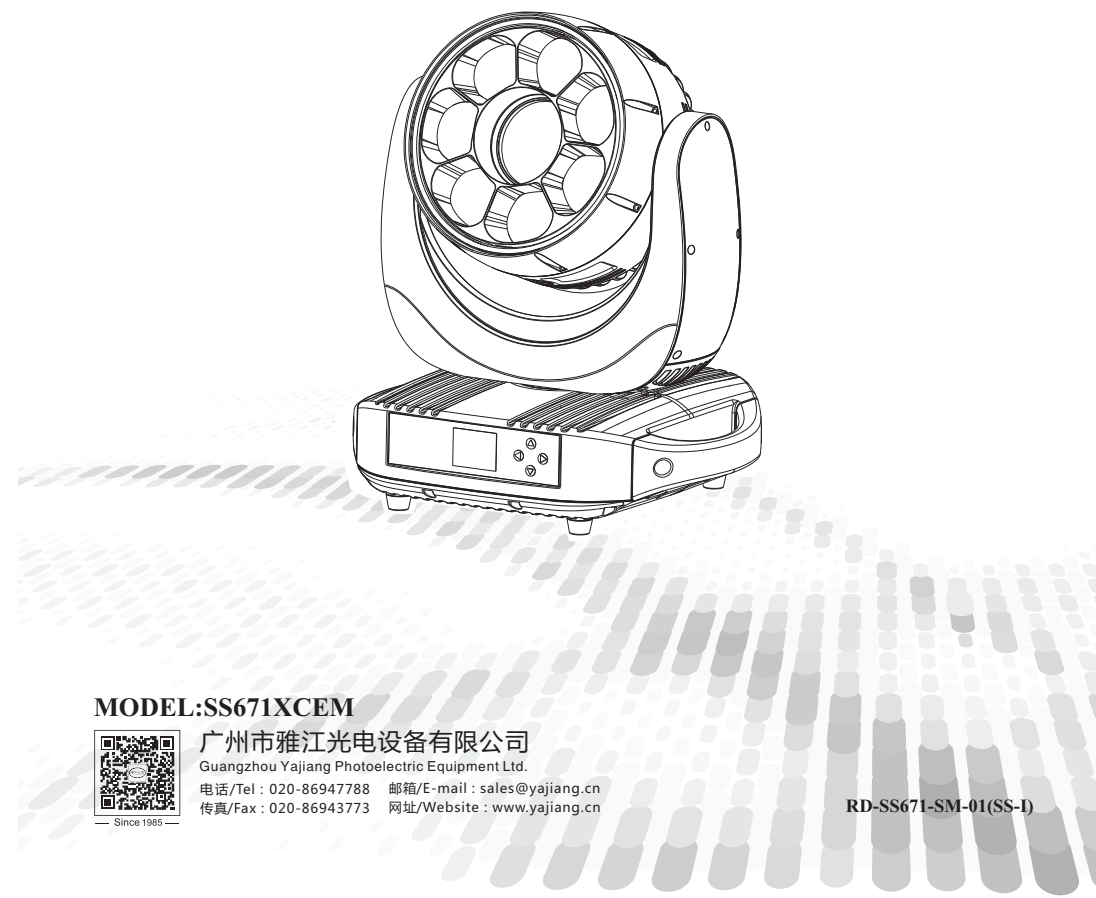


# NEPTUNE 400 FX WASH

## USER MANUAL

 <sup>®</sup> NEPTUNE 400 FX WASH  
SS671



**MODEL:SS671XCEM**



广州市雅江光电设备有限公司

Guangzhou Yajiang Photoelectric Equipment Ltd.

电话/Tel : 020-86947788 邮箱/E-mail : sales@yajiang.cn

传真/Fax : 020-86943773 网址/Website : www.yajiang.cn

— Since 1985 —

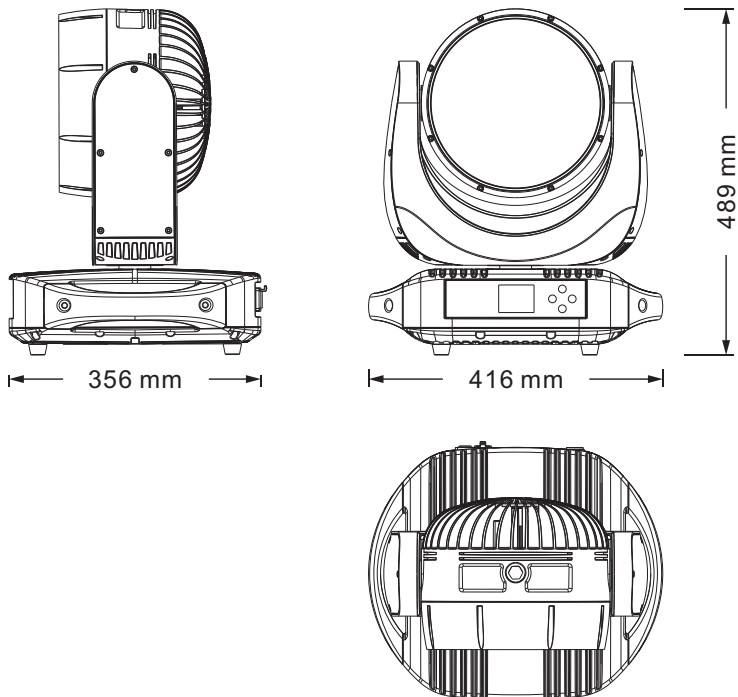
RD-SS671-SM-01(SS-1)

# 1 Product Introduction

## 1.1 Specification

Product Code	SS671XCEM
Dimension	416 × 356 × 489(mm)
Weight	23KG
Rated Power	350W
Input Voltage	AC100~240VAC,50/60Hz
Frequency Range	4.2A
Ambient Temperature	-20°C~45°C
Beam Angle	5° ~35°
Control Model	DMX512/RDM/ArtNet/sACN

PIXEL	VALUE	FUNCTION
CH.34	0-255	GREEN4
CH.35	0-255	BLUE4
CH.36	0-255	White4
CH.37	0-255	RED 5
CH.38	0-255	GREEN5
CH.39	0-255	BLUE5
CH.40	0-255	White 5
CH.41	0-255	RED 6
CH.42	0-255	GREEN6
CH.43	0-255	BLUE6
CH.44	0-255	White 6
CH.45	0-255	RED 7
CH.46	0-255	GREEN7
CH.47	0-255	BLUE7
CH.48	0-255	White 7



PIXEL	VALUE	FUNCTION
	90-99	DIM4
	100-139	PWM 1200Hz
	140-149	PWM 2000Hz
	150-159	PWM 2400Hz
	160-169	PWM 6000Hz
	170-179	PWM 25000Hz
	180-189	FAN SLOW
	190-199	FAN FAST
	200-209	FAN AUTO
	210-219	AUTO TEST
	220-229	pan/tilt reset
	230-237	ZOOM RESET
	240-249	Total Reset
	250-255	NO FUNCTION
CH.19	0-255	DIMMER
CH.20	<b>STROBE</b>	
	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	
CH.21	0-255	RED 1
CH.22	0-255	GREEN1
CH.23	0-255	BLUE1
CH.24	0-255	White1
CH.25	0-255	RED2
CH.26	0-255	GREEN2
CH.27	0-255	BLUE2
CH.28	0-255	White 2
CH.29	0-255	RED3
CH.30	0-255	GREEN3
CH.31	0-255	BLUE3
CH.32	0-255	White3
CH.33	0-255	RED4

## 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.



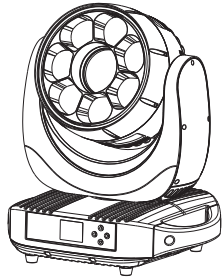
**Caution, risk of electric shock**  
The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

## 2 Installation

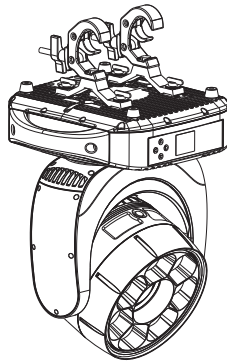
### 2.1 Mounting

The fixture can be mounted in any position.  
Always ensure that mounting surface can withstand 10 times the weight of the fixture.

Always use a safety cable when mounting the fixture in any elevated position.



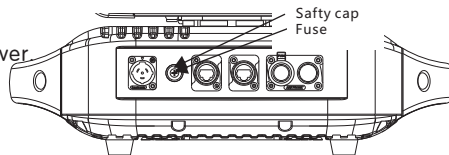
**UPRIGHT**



**HANGING**

### 2.2 Fuse replacement

- Remove the safety cap by a screwdriver.
- Fetch the old fuse from safety cap.
- Install a new fuse.
- Install the safety cap.



PIXEL	VALUE	FUNCTION
	135-139	Deep Orange
	140-144	Lemmon
	145-149	Golden Yellow
	150-154	Pastel Orange
	155-159	Cream
	160-164	Melon Yellow
	165-169	Luminous Orange
	170-174	Luminouse Yellow
	175-179	Open
	180-248	Stop
	249-255	Open
	CH.16	<b>Color FX</b>
000-009		Open
010-029		FX 1
030-049		FX 2
050-069		FX 3
070-089		FX 4
090-109		FX 5
110-129		FX 6
130-149		FX 7
150-169		FX 8
170-189		FX 9
190-209		FX 10
210-229		FX 11
230-249		FX 12
250-255	Open	
CH.17	0-255	Ring Speed(SPEED 1 → 100%)
CH.18	<b>Control (will be active after 5 seconds on the corresponding value)</b>	
	0-9	NO FUNCTION
	10-19	PAN/TILT BLACK ACTIVATED
	20-29	PAN/TILT BLACK DEACTIVATED
	30-59	DIM0
	60-69	DIM1
	70-79	DIM2
	80-89	DIM3

PIXEL	VALUE	FUNCTION
CH.14	<b>PRISM</b>	
	0–120	ROTATING GOBO ANGLE ADJUSTMENT (0 → 360° )
	121–125	STOP
	126–165	ROTATING GOBO SHAKE (SPEED 1 → 100%)
	166–170	STOP
	171–210	ROTATING GOBO POSITIVE ROTATION (SPEED 100% → 1)
	211–215	STOP
	216–255	ROTATING GOBO REVERSE ROTATION (SPEED 1 → 100%)
CH.15	<b>RING COLOR EFFECT</b>	
	000–009	Open
	010–014	Red
	015–019	Green
	020–024	Blue
	025–029	Yellow
	030–034	Magenta
	035–039	Cyan
	040–044	White
	045–049	Violet Blue
	050–054	Light Blue
	055–059	Wine Red
	060–064	May Green
	065–069	Reseda Green
	070–074	Blue Lilac
	075–079	Moss Green
	080–084	Signal Violet
	085–089	Red Lilac
	090–094	Purple Red
	095–099	Green Brown
	100–104	Pale Green
	105–109	Ruby Red
	110–114	Flame Red
	115–119	Red Orange
	120–124	Rose
	125–129	Honey Yellow
130–134	Light Pin	

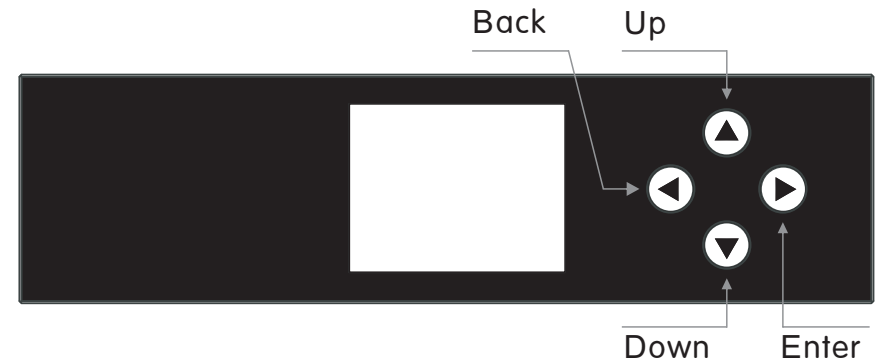
## 2.3 Power connections

This product uses input and output power cable is 1.5 square mm copper wire  
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.

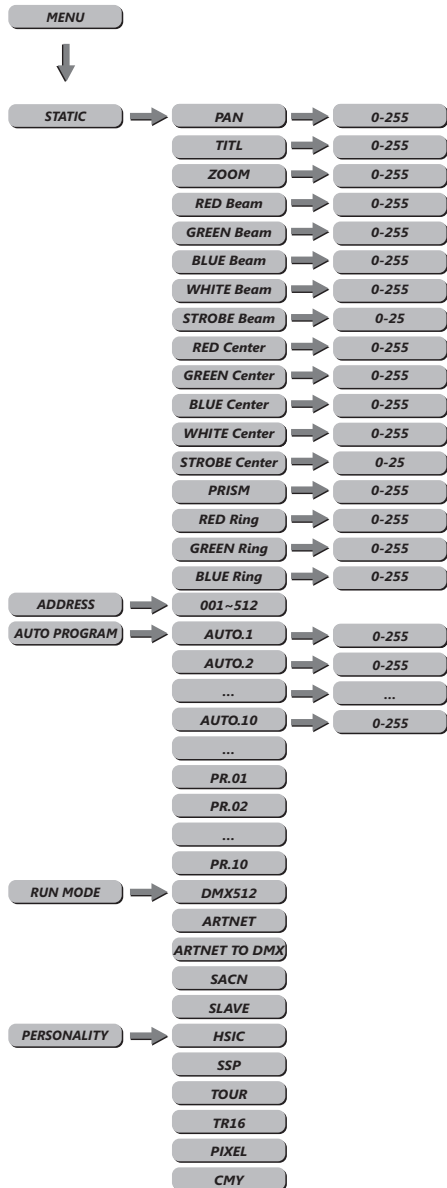
## 3 Display panel operation

### 3.1 Display operation



- 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. When the display screen is off, you can long press 3 seconds to start the display screen.
- Left(Back): Scroll through the main menu or exit from the current sub-menu (press and hold to turn off power).
- Right(Enter): Enter the currently selected menu or confirm the current function value.

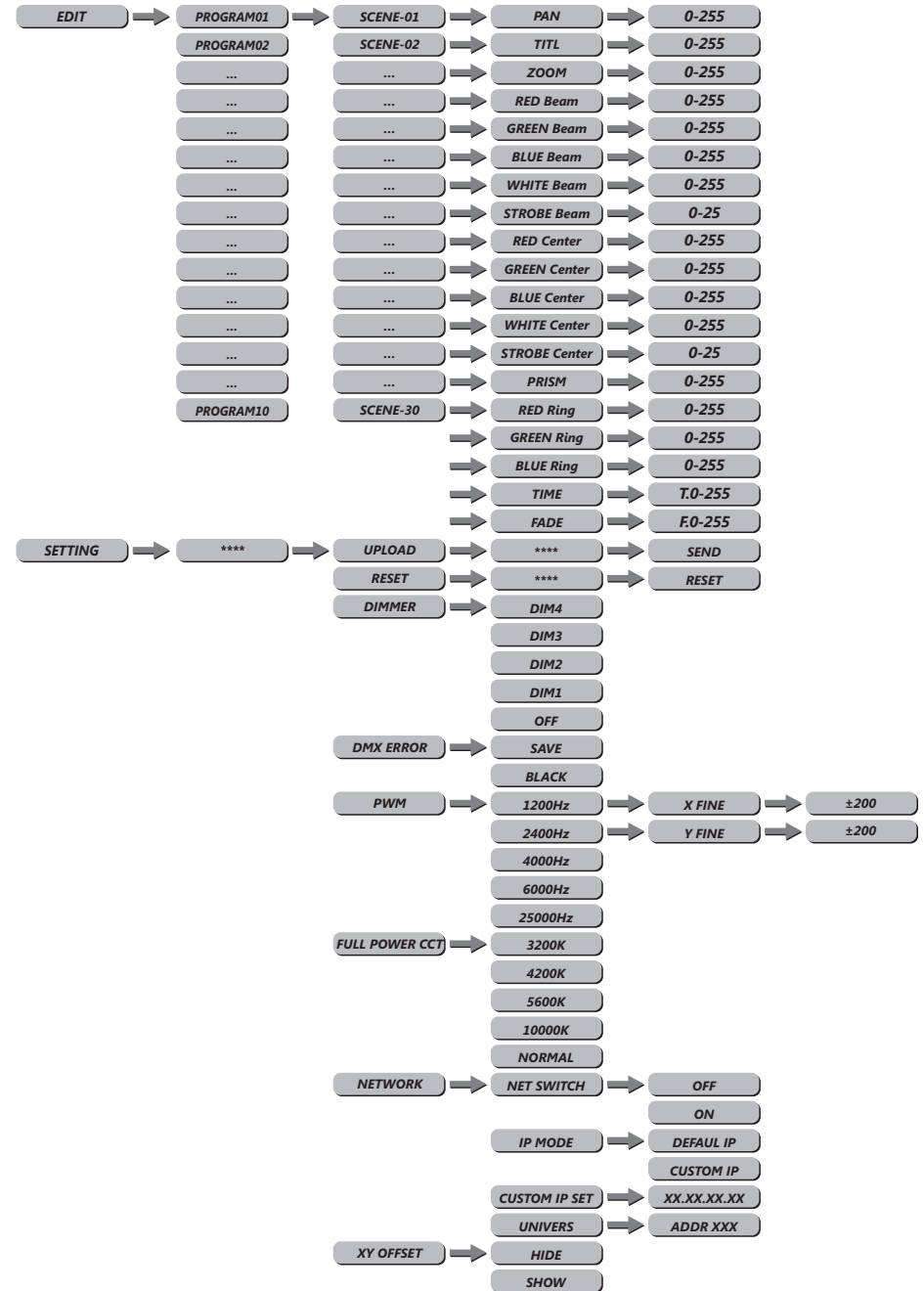
### 3.2 Menu

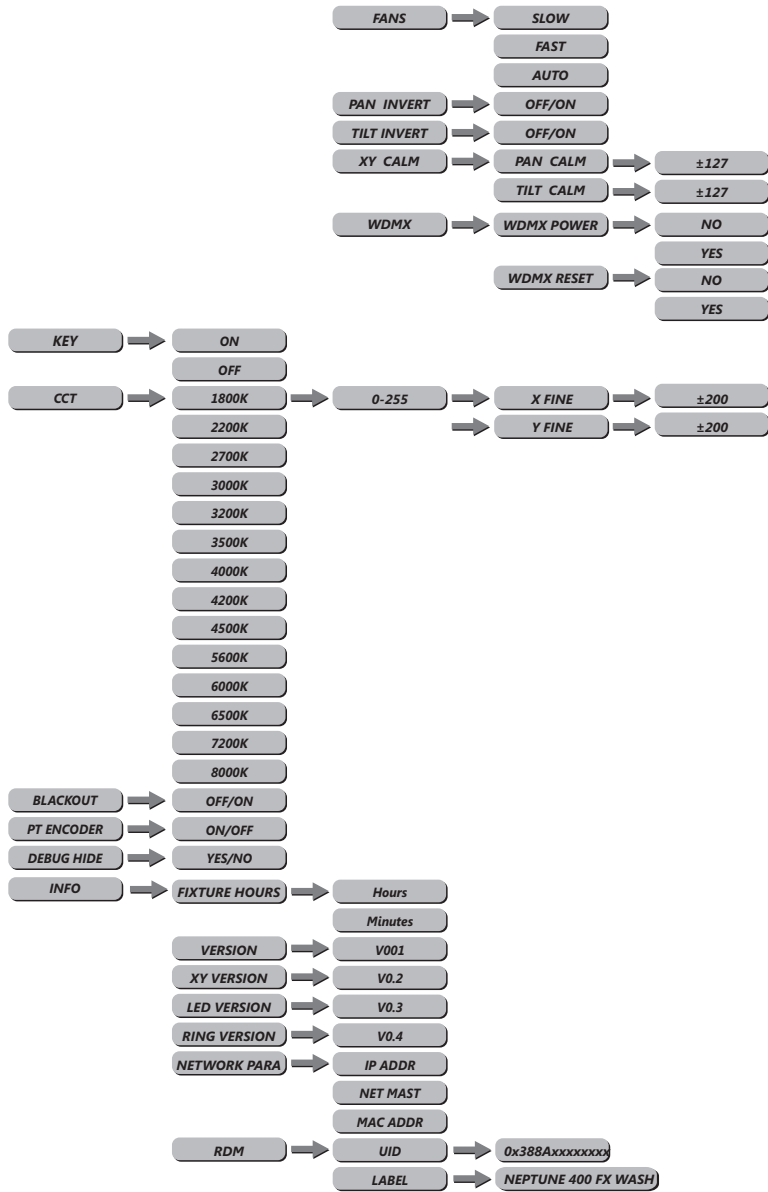


PIXEL	VALUE	FUNCTION
CH.1	0-255	PAN
CH.2	0-255	PAN FINE
CH.3	0-255	TILT
CH.4	0-255	TILT FINE
CH.5	0-255	PT SPEED
CH.6	0-255	ZOOM
CH.7	0-255	DIMMER CENTRE
CH.8	<b>Effect of center STROBE</b>	
	0-9	NO FUNCTION
	10-99	STROBE FROM ( SLOD TO FAST , 0-25Hz )
	100-109	NO FUNCTION
	110-179	LIGHTNING STROBE
	180-189	NO FUNCTION
190-255	RANDOM STROBE	
CH.9	0-255	RED CENTRE
CH.10	0-255	GREEN CENTRE
CH.11	0-255	BLUE CENTRE
CH.12	0-255	WHITE CENTRE
CH.13	<b>Effect of center</b>	
	0-9	NO FUNCTION
	10-25	R+G
	26-41	R+B
	42-57	R+W
	58-73	G+B
	74-89	G+W
	90-105	B+W
	106-121	R+G+B
	122-137	R+G+B+W
	138-153	R-G-R
	154-169	R-B-R
	170-185	R-W-R
	186-201	G-B-G
202-217	B-W-B	
218-233	R-G-B-R	
234-255	R-G-B-W-R	

**NEPTUNE 400 FX WASH**  
SS671

CMY	VALUE	FUNCTION
	230-237	ZOOM RESET
	240-249	Total Reset
	250-255	NO FUNCTION



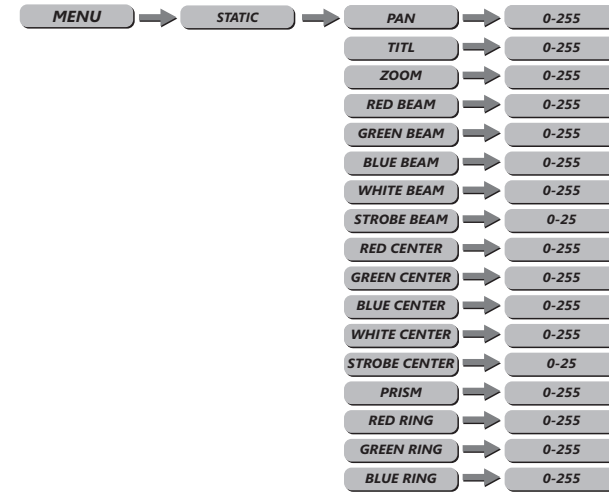


CMY	VALUE	FUNCTION
CH.25	Color FX	
	000-009	Open
	010-029	FX 1
	030-049	FX 2
	050-069	FX 3
	070-089	FX 4
	090-109	FX 5
	110-129	FX 6
	130-149	FX 7
	150-169	FX 8
	170-189	FX 9
	190-209	FX 10
	210-229	FX 11
230-249	FX 12	
250-255	Open	
CH.26	0-255	Ring Speed(SPEED 1 → 100%)
CH.27	Control (will be active after 5 seconds on the corresponding value)	
	0-9	NO FUNCTION
	10-19	PAN/TILT BLACK ACTIVATED
	20-29	PAN/TILT BLACK DEACTIVATED
	30-59	DIM0
	60-69	DIM1
	70-79	DIM2
	80-89	DIM3
	90-99	DIM4
	100-139	PWM 1200Hz
	140-149	PWM 2000Hz
	150-159	PWM 2400Hz
	160-169	PWM 6000Hz
	170-179	PWM 25000Hz
	180-189	FAN SLOW
	190-199	FAN FAST
	200-209	FAN AUTO
210-219	AUTO TEST	
220-229	pan/tilt reset	



CMY	VALUE	FUNCTION
CH.24	015-019	GREEN
	020-024	BLUE
	025-029	Yellow
	030-034	Magenta
	035-039	Cyan
	040-044	WHITE
	045-049	Violet blue
	050-054	Light blue
	055-059	Wine red
	060-064	May green
	065-069	Reseda green
	070-074	Blue lilac
	075-079	Moss green
	080-084	Signal violet
	085-089	Red lilac
	090-094	Purple red
	095-099	Green brown
	100-104	Pale green
	105-109	Ruby red
	110-114	Flame red
	115-119	Red orange
	120-124	Rose
	125-129	Honey yellow
	130-134	Light Pin
	135-139	Deep orange
	140-144	Lemmon
	145-149	Golden yellow
	150-154	Pastel orange
	155-159	Cream
	160-164	Melon yellow
165-169	Luminous orange	
170-174	Luminouse yellow	
175-179	Open	
180-248	Stop	
249-255	Open	

### 3.3 STATIC



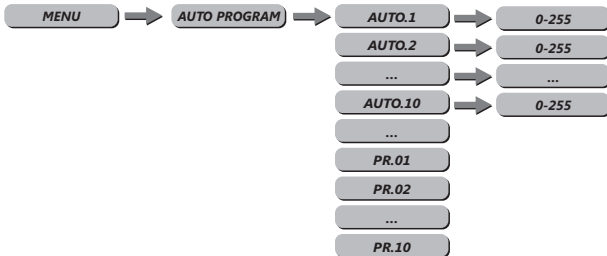
- Enter the **【 STATIC 】** mode to create the programs:
  - 【 PAN 】** is Horizontal rotation setting, when set, rotate 128 for half a turn; set to rotate 255 for one turn.
  - 【 TITL 】** is a vertical rotation position setting , when set, rotate 128 for half a turn;set to rotate 255 for one turn.
  - 【 ZOOM 】** is the zooming position setting.
  - 【 RED BEAM / GREEN BEAM / BLUE BEAM / WHITE BEAM 】** is the setting of the red / green / blue / white brightness of the peripheral 7pcs LEDs.The larger the value, the brighter the brightness.
  - 【 STROBE BEAM 】** is the setting of the strobe of 7pcs LEDs on the periphery. The value setting range is 0~25Hz.
  - 【 RED CENTER / GREEN CENTER / BLUE CENTER / WHITE CENTER 】** is the setting of the red / green / blue / white brightness of the single led in the center. The larger the value, the brighter the brightness.
  - 【 STROBE CENTER 】** is the setting of the single led strobe in the center. The value setting range is 0~25Hz.
  - 【 PRISM 】** is the prism rotation setting, 0~10 has no effect; 11~121 is clockwise from fast to slow; 122~132 stops rotating; 133~243 is counterclockwise slow to fast; 244~255 stops rotating.
  - 【 RED RING / GREEN RING / BLUE RING 】** is the red / green / blue brightness setting of the light. The larger the value, the brighter the brightness.
- The static setting will be valid when the fixture is powered again.

### 3.4 DMX Address Setting



- Enter the [ DMX ] mode to set the DMX address.
- Enter Up/Down select [ 1~512 ] address.
- Enter [ MENU ] return.

### 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.

CMY	VALUE	FUNCTION
CH.21	<b>Effect of center STROBE</b>	
	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
CH.22	<b>Effect of center</b>	
	0-9	NO FUNCTION
	10-25	R+G
	26-41	R+B
	42-57	R+W
	58-73	G+B
	74-89	G+W
	90-105	B+W
	106-121	R+G+B
	122-137	R+G+B+W
	138-153	R-G-R
	154-169	R-B-R
	170-185	R-W-R
	186-201	G-B-G
202-217	B-W-B	
218-233	R-G-B-R	
234-255	R-G-B-W-R	
CH.23	<b>PRISM</b>	
	0-120	ROTATING GOBO ANGLE ADJUSTMENT ( 0 → 360° )
	121-125	STOP
	126-165	ROTATING GOBO SHAKE ( SPEED 1 → 100% )
	166-170	STOP
	171-210	ROTATING GOBO POSITIVE ROTATION ( SPEED 100% → 1 )
	211-215	STOP
216-255	ROTATING GOBO REVERSE ROTATION ( SPEED 1 → 100% )	
	<b>Ring Color Presets</b>	
	000-009	Open
	010-014	RED

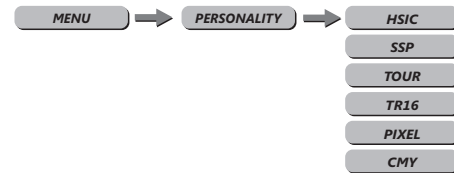
CMY	VALUE	FUNCTION
CH.13	158-161	Green background ,illuminae adjustable . 100% white lightness runs(1-4,7-4), 1&7 light up in the same time,geathering from 2 sides to the center in turn .when it is at 4,spreading from the center to the 2 sides.associated with CH6-CH10.
	162-165	Blue background ,illuminae adjustable . 100% white lightness runs(1-7)
	166-169	Blue background ,illuminae adjustable . 100% white lightness runs(7-1)
	170-173	Blue background ,illuminae adjustable . 100% white lightness runs(1-7-1)
	174-177	Blue background ,illuminae adjustable . 100% white lightness runs(1-4,7-4), 1&7 light up in the same time,geathering from 2 sides to the center in turn .when it is at 4,spreading from the center to the 2 sides.associated with CH6-CH10.
	178-181	Green background ,illuminae adjustable . 100% red lightness runs(1-7)
	182-185	Green background ,illuminae adjustable . 100% red lightness runs(7-1)
	186-189	Green background ,illuminae adjustable . 100% red lightness runs(1-7-1)
	190-193	Green background ,illuminae adjustable . 100% red lightness runs(1-4,7-4), 1&7 light up in the same time,geathering from 2 sides to the center in turn .when it is at 4,spreading from the center to the 2 sides.associated with CH6-CH10.
	194-197	Blue background ,illuminae adjustable . 100% red lightness runs(1-7)
	198-201	Blue background ,illuminae adjustable . 100% red lightness runs(7-1)
	202-205	Blue background ,illuminae adjustable . 100% red lightness runs(1-7-1)
	206-209	Blue background ,illuminae adjustable . 100% red lightness runs(1-4,7-4), 1&7 light up in the same time,geathering from 2 sides to the center in turn .when it is at 4,spreading from the center to the 2 sides.associated with CH6-CH10.
	210-215	disordered run
	216-221	(1,4,5)-(2,5,6)-(3,6,7)-(4,7,1)-(5,1,2)-(6,2,3)-(7,3,4)
	222-227	(1,2,5,6)-(2,3,6,7)-(3,4,7,1)-(4,5,1,2)-(5,6,2,3)-(6,7,3,4)-(7,1,4,5)
	228-230	1,2 circular ring
	231-233	1,2,3 circular ring
	234-236	1,2,3,4 circular ring
	237-239	1-3blue , 4-7red
240-242	1-3cyan , 4-7orange	
243-245	1-3purple , 4-7yellow	
246-248	1-3orange , 4-7green	
249-251	1-3red , 4-7purple	
252-254	1-3yellow , 4-7blue	
255	1-3green , 4-7purple	
CH.14	0-255	AUTO SPEED ADJUSTMENT( SLOW TO FAST)
CH.15	0-255	ZOOM
CH.16	0-255	RED_Center
CH.17	0-255	GREEN_Center
CH.18	0-255	BLUE_Center
CH.19	0-255	WHITE_Center
CH.20	0-255	DIMMER_Center

### 3.6 Runmode



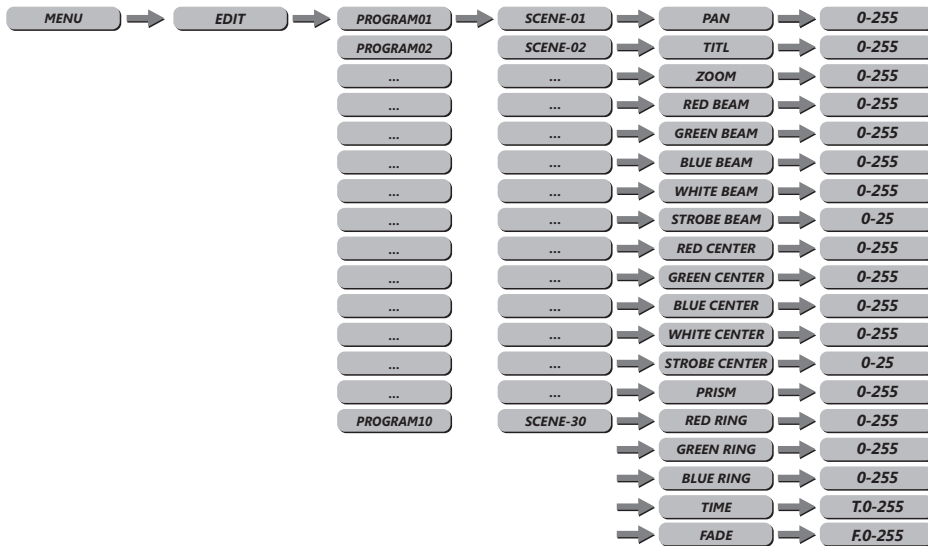
- [ DMX512 ] DMX512 Mode, [ ARTNET ] ArtnetMode, [ ARTNET To DMX ] ARTNET to DMX Mode, [ sACN ] sACN Mode.
- [ DMX ] mode is for using the DMX512 controller to control the fixtures.
- [ SLAVE ] mode is for Master -- Slave operation.
- press [ ENTER ] accept,press [ MENU ] return.

### 3.7 Personality



- Press enter the menu to do a custom choice on the ‘PERSONALITY’ menu.
- Press UP or DOWN to select [ HSIC ], [ SSP ], [ TOUR ], [ TR16 ], [ PIXEL ], [ CMY ], please refer to DMX channel table for the specific channel value .

### 3.8 Edit

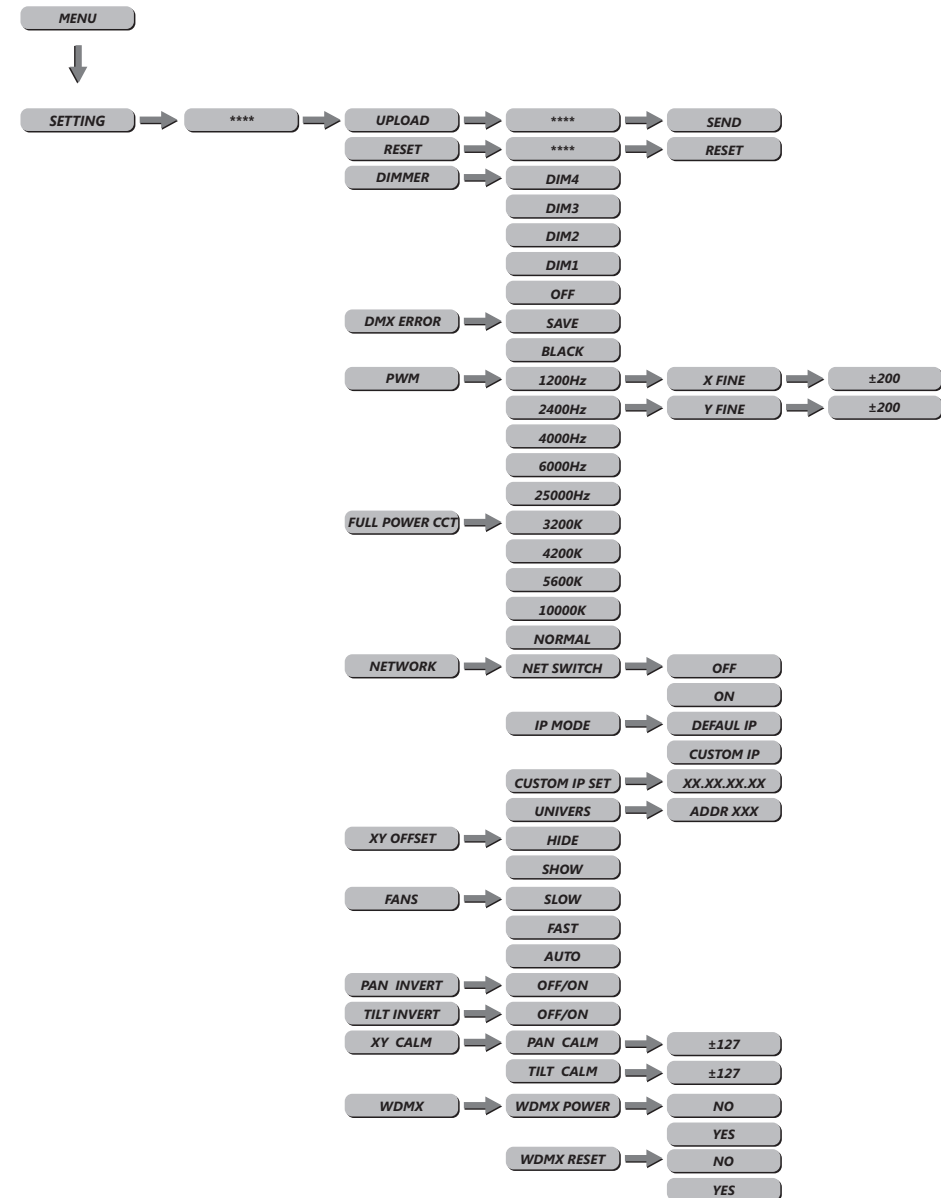


- Enter the [ EDIT ] mode to edit the custom programs PR.01 to PR.10. Each custom program has 10 steps that can be edited. Each step allows the creation of a scene using PAN,TITL,ZOOM,RED Beam,GREEN Beam,BLUE Beam,WHITE Beam,STROBE Beam,RED Center,GREEN Center,BLUE Center, WHITE Center,STROBE Center,PRISM,RED Ring,GREEN Ring,BLUE Ring,TIME,FADE.
- Note:  
if user want to circulate the created steps, please set the last step 's [ Time ] as 0  
For example, there are 3 steps, the setting should be like belowed:  
Step 1 [ Time ] = 4 [ Use ] = Yes  
Step 2 [ Time ] = 5 [ Use ] = Yes  
Step 3 [ Time ] = 0 [ Use ] = Yes

CMY	VALUE	FUNCTION
		4 (Illuminance 30%) - 3 (Illuminance60%) 2 (Illuminance100%) , (associated with CH6-CH10)
		3 (Illuminance 30%) - 2 (Illuminance60%) 1 (Illuminance100%) , (associated with CH6-CH10)
		2 (Illuminance 30%) - 1 (Illuminance60%) 7 (Illuminance100%) , (associated with CH6-CH10)
		1 (Illuminance 30%) - 7 (Illuminance60%) 6 (Illuminance100%) , (associated with CH6-CH10)
	34-37	1-7(Single 2700k cycling operation ,the background effect associated with CH6-CH10)
	38-41	7-1(Single 2700k cycling operation ,the background effect associated with CH6-CH10)
	42-45	1-7-1(Single 2700k cycling operation ,the background effect associated with CH6-CH10)
	46-49	1-4 and 7-4(1<2700k>&7<2700K>light up in the same time,getting from 2 sides to the center in turn .when it is at 4,spreading from the center to the 2 sides,the background effect associated with CH6-CH16)
	50-53	1-7(Single 6000k cycling operation ,the background effect associated with CH6-CH10)
	54-57	7-1(Single 6000k cycling operation ,the background effect associated with CH6-CH10)
	58-61	1-7-1(Single 6000k cycling operation ,the background effect associated with CH6-CH10)
	62-65	1-4 and 7-4(1<6000k>&7<6000K>light up in the same time,getting from 2 sides to the center in turn .when it is at 4,spreading from the center to the 2 sides,the background effect associated with CH6-CH16)
	66-69	Red background ,illumina adjustable . 100% green lightness runs(1-7)
	70-73	Red background ,illumina adjustable . 100% green lightness runs(7-1)
	74-77	Red background ,illumina adjustable . 100% green lightness runs(1-7-1)
	78-81	Red background ,illumina adjustable . 100% green lightness runs(1-4,7-4), 1&7 light up in the same time,getting from 2 sides to the center in turn .when it is at 4,spreading from the center to the 2 sides,associated with CH6-CH10.
	82-85	Green background ,illumina adjustable . 100% blue lightness runs(1-7)
	86-89	Green background ,illumina adjustable . 100% blue lightness runs(7-1)
	90-93	Green background ,illumina adjustable . 100% blue lightness runs(1-7-1)
	94-97	Green background ,illumina adjustable . 100% blue lightness runs(1-4,7-4), 1&7 light up in the same time,getting from 2 sides to the center in turn .when it is at 4,spreading from the center to the 2 sides,associated with CH6-CH10.
	98-101	Blue background ,illumina adjustable . 100% green lightness runs(1-7)
	102-105	Blue background ,illumina adjustable . 100% green lightness runs(7-1)
	106-109	Blue background ,illumina adjustable . 100% green lightness runs(1-7-1)
	110-113	Blue background ,illumina adjustable . 100% green lightness runs(1-4,7-4), 1&7 light up in the same time,getting from 2 sides to the center in turn .when it is at 4,spreading from the center to the 2 sides,associated with CH6-CH10.
	114-117	Red background ,illumina adjustable . 100% white lightness runs(1-7)
	118-121	Red background ,illumina adjustable . 100% white lightness runs(7-1)
	122-125	Red background ,illumina adjustable . 100% white lightness runs(1-7-1)
	126-129	Red background ,illumina adjustable . 100% white lightness runs(1-4,7-4), 1&7 light up in the same time,getting from 2 sides to the center in turn .when it is at 4,spreading from the center to the 2 sides,associated with CH6-CH16.
	130-133	White background ,illumina adjustable . 100% red lightness runs(1-7)
	134-137	White background ,illumina adjustable . 100% red lightness runs(7-1)
	138-141	White background ,illumina adjustable . 100% red lightness runs(1-7-1)
	142-145	White background ,illumina adjustable . 100% red lightness runs(1-4,7-4), 1&7 light up in the same time,getting from 2 sides to the center in turn .when it is at 4,spreading from the center to the 2 sides,associated with CH6-CH10.
	146-149	Green background ,illumina adjustable . 100% white lightness runs(1-7)
	150-153	Green background ,illumina adjustable . 100% white lightness runs(7-1)
	154-157	Green background ,illumina adjustable . 100% white lightness runs(1-7-1)

CMY	VALUE	FUNCTION
	161-165	6,7
	166-170	1,2,3
	171-175	1,4,5
	176-180	1,6,7
	181-185	2,3,4
	186-190	5,6,7
	191-195	4,5,6
	196-200	7,2,3
	201-205	1,2,3,4
	206-210	1,5,6,7
	211-215	1,3,5,7
	216-220	3,4,5,6
	221-225	1,2,3,4,5
	226-230	1,4,5,6,7
	231-235	3,4,5,6,7
	236-240	1,2,3,4,5,6
	241-245	2,3,4,5,6,7
	246-250	1,2,3,5,6,7
	251-255	ALL LED OUT
	<b>PIXEL EFFECT</b>	
	0-9	NO FUNCTION
	10-13	1-7(Single light cycling operation, associated with CH6-CH10)
	14-17	7-1(Single light cycling operation, associated with CH6-CH10)
	18-21	1-7-1(Single light cycling operation, associated with CH6-CH10)
	22-25	1-4 and 7-4(1&7light up in the same time, gathering from 2 sides to the center in turn, when it is at 4, spreading from the center to the 2 sides, associated with CH6-CH10)
	26-29	1 (Illuminance 30%) - 2 (Illuminance60%) 3 (Illuminance100%) , (associated with CH6-CH10) 2 (Illuminance 30%) - 3 (Illuminance60%) 4 (Illuminance100%) , (associated with CH6-CH10) 3 (Illuminance 30%) - 4 (Illuminance60%) 5 (Illuminance100%) , (associated with CH6-CH10) 4 (Illuminance 30%) - 5 (Illuminance60%) 6 (Illuminance100%) , (associated with CH6-CH10) 5 (Illuminance 30%) - 6 (Illuminance60%) 7 (Illuminance100%) , (associated with CH6-CH10) 6 (Illuminance 30%) - 7 (Illuminance60%) 1 (Illuminance100%) , (associated with CH6-CH10) 7 (Illuminance 30%) - 1 (Illuminance60%) 2 (Illuminance100%) , (associated with CH6-CH10)
	30-33	7 (Illuminance 30%) - 6 (Illuminance60%) 5 (Illuminance100%) , (associated with CH6-CH10) 6 (Illuminance 30%) - 5 (Illuminance60%) 4 (Illuminance100%) , (associated with CH6-CH10) 5 (Illuminance 30%) - 4 (Illuminance60%) 3 (Illuminance100%) , (associated with CH6-CH10)

### 3.9 Setting



- Enter [ **SETTING** ] into the machine set.
- Select [ **UPLOAD** ] to upload the custom programs from the current MASTER unit to the SLAVE units.
- [ **RESET** ] RESET the lamp. Enter the password "up down up down " to confirm, and then perform the RESET of the lamp parameters.
- [ **DIMMER** ] is a non-linear DIMMER speed setting, <OFF> is a normal linear dimming, Select [DIM4]、 [DIM3]、 [DIM2] or [DIM1] 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 order to blackout in case of DMX signal error.
- [ **PWM\_RATE** ] is PWM refresh rate bottom, press UP/DOWN to choose 1200Hz、 2400Hz、 4000Hz、 6000Hz、 25000Hz.  
Note: Attention: The gray level of dimming will be reduced as the refresh rate increases.
- [ **FULL POWER CCT** ] is the color temperature choose bottom, press UP/DOWN to choose, under full power, 3200K、 4200K、 5600K、 10000K、 NORMAL.
- [ **NETWORK** ] network setting, press [ **ENTER** ] in, Depending on the mode, you can hide unwanted features. For example Net Switch=Off IP Mode=Default.  
[ **UNIVERS** ] Packet group Settings, output grouping 0~255.  
[ **IP MODE** ] IP mode setting, [ **DEFAULTIP** ] is default IP, [ **CUSTOM IP** ] is customer's IP.  
[ **CUSTOM IP SET** ] is customer's IP setting.
- [ **XY OFFSET** ] is an setting that hides the fine tuning of the refresh frequency, select HIDE to hide and SHOW to not hide and then enter to the CCT color temperature to adjust the [X FINE] / [Y FINE] parameter value.
- [ **FANS** ] menu, select<Slow/Norm/Fast/Auto>as required fan speed.
- [ **PAN INVERT** ] menu, select [ **NORMAL** ] for normal direction,select [ **INVERT** ] for inverted of the PAN direction.
- [ **TITL INVERT** ] menu, select [ **NORMAL** ] for normal direction,select [ **INVERT** ] for inverted of the TITL direction.
- [ **XY CALM** ] is the fine tuning of the initial position of the XY motor.
- [ **WDMX** ] to activate WDMX choose the WDMX POWER submenu and to reset WDMX choose WDMX RESET submenu.

CMY	VALUE	FUNCTION
	228-231	4500K
	232-235	5600K
	236-239	6000K
	240-243	6500K
	244-247	7200K
	248-255	8000K
	<b>STATIC PIXEL</b>	
	0-9	NO FUNCTION
	10-15	1
	16-21	2
	22-27	3
	28-33	4
	34-39	5
	40-45	6
	46-51	7
	52-57	1,2
	58-63	1,3
	64-69	1,4
	70-75	1,5
	76-85	1,6
	86-90	1,7
	91-95	2,3
	96-100	2,4
	101-105	2,5
	106-110	2,6
	111-115	2,7
	116-120	3,4
	121-125	3,5
	126-130	3,6
	131-135	3,7
CH.12	136-140	4,5
	141-145	4,6
	146-150	4,7
	151-155	5,6
	156-160	5,7

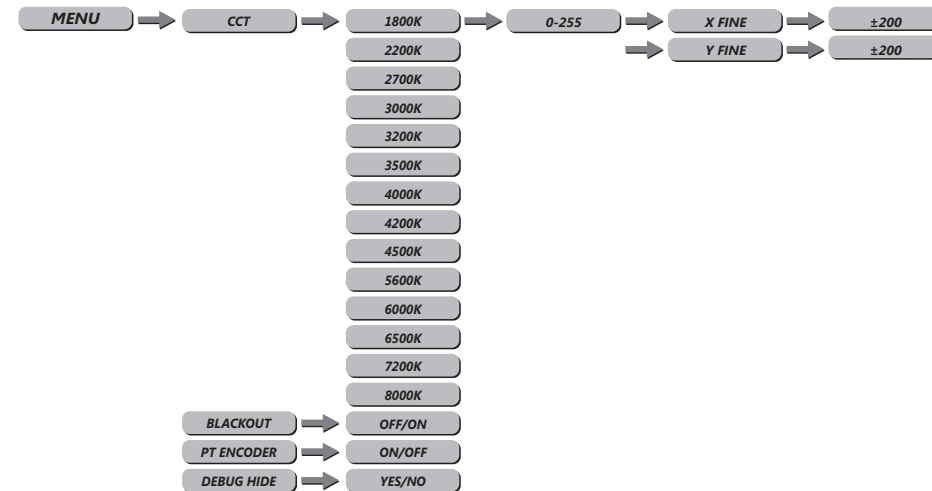
CMY	VALUE	FUNCTION
CH.1	0-255	PAN
CH.2	0-255	PAN FINE
CH.3	0-255	TITL
CH.4	0-255	TITL FINE
CH.5	0-255	PT SPEED
CH.6	0-255	CYAN
CH.7	0-255	MAGENT
CH.8	0-255	YELLOW
CH.9	0-255	DIMMER
CH.10	<b>BEAM STROBE</b>	
	0-9	NO FUNCTION
	10-99	STROBE FROM ( SLOD TO FAST , 0-25Hz )
	100-109	NO FUNCTION
	110-179	LIGHTNING STROBE
	180-189	NO FUNCTION
	190-255	RANDOM STROBE
CH.11	<b>COLOR MARCOS</b>	
	0-10	NO FUNCTION
	11-30	CYAN 100% / MAGENTA UP / YELLOW 0%
	31-50	CYAN DOWN / MAGENTA 100% / YELLOW 0%
	51-70	CYAN 0% / MAGENTA 100% / YELLOW UP
	71-90	CYAN 0% / MAGENTA DOWN / YELLOW 100%
	91-110	CYAN UP / MAGENTA 0% / YELLOW 100%
	111-130	CYAN 100% /MAGENTA 0%/YELLOW DOWN
	131-150	CYAN 100%/MAGENTA UP/YELLOW 0%
	151-170	CYAN DOWN/MAGENTA DOWN/YELLOW 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	

### 3.10 Activate the password



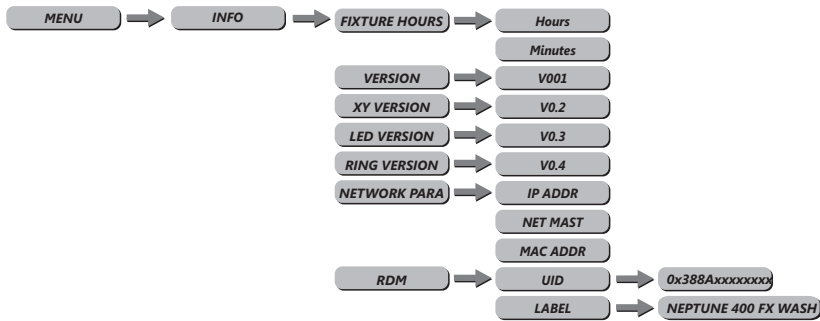
- Enter the [ KEY ] mode to select whether the access password is on or off. When the fixture is set as PASS"ON", after 30 seconds or turn on the fixture next time, the fixture will need an access password to enter the display menu control.  
Note: The factory access password is"UP+DOWN+UP+DOWN",then press ENTER to confirm the access.

### 3.11 Calib.CCT



- Enter the [ CALIB.CCT ] to select white color of different color temperature.
- Press [ MENU ] button to enter the password confirmation, to enter the correct password < UP + DOWN + UP + DOWN >Key, press the [ MENU ] in, the correct password will enter show submenu.
- Choose [ OFF ] and [ ON ] to close and open the [ BLACKOUT ] mode.
- [ PT ENCODER ] XY Encoder switch, [ OFF ] is close, [ ON ] is open.
- [ DEBUG HIDE ] is the factory testing mode.All stepper motors are not controlled by signal,It only works again after the reset. enter No out、enter Yes in.

### 3.12 INFO



- Press [ ENTER ] into [ INFO ] check information,press up and down  
 [ FIXTURE HOURS ] is hours of fixture use;  
 [ VERSION ] is software versions;  
 [ XY VERSION ] is XY software versions;  
 [ LED VERSION ] is LED software versions;  
 [ RING VERSION ] is RING software versions;  
 [ NETWORK PARA ] check network parameter;  
 [ RDM ] check fixture's ID.

HSIC	VALUE	FUNCTION
	250-255	Open
CH.22	0-255	Ring Speed(SPEED 1 → 100%)
CH.23	Control (will be active after 5 seconds on the corresponding value)	
	0-9	NO FUNCTION
	10-19	PAN/TILT BLACK ACTIVATED
	20-29	PAN/TILT BLACK DEACTIVATED
	30-59	DIM0
	60-69	DIM1
	70-79	DIM2
	80-89	DIM3
	90-99	DIM4
	100-139	PWM 1200Hz
	140-149	PWM 2000Hz
	150-159	PWM 2400Hz
	160-169	PWM 6000Hz
	170-179	PWM 25000Hz
	180-189	FAN SLOW
	190-199	FAN FAST
	200-209	FAN AUTO
	210-219	AUTO TEST
	220-229	pan/tilt reset
	230-237	ZOOM RESET
240-249	Total Reset	
250-255	NO FUNCTION	



HSIC	VALUE	FUNCTION
	085-089	Red lilac
	090-094	Purple red
	095-099	Green brown
	100-104	Pale green
	105-109	Ruby red
	110-114	Flame red
	115-119	Red orange
	120-124	Rose
	125-129	Honey yellow
	130-134	Light Pin
	135-139	Deep orange
	140-144	Lemmon
	145-149	Golden yellow
	150-154	Pastel orange
	155-159	Cream
	160-164	Melon yellow
	165-169	Luminous orange
	170-174	Luminouse yellow
	175-179	Open
	180-248	Stop
	249-255	Open
CH.21	<b>Color FX</b>	
	000-009	Open
	010-029	FX 1
	030-049	FX 2
	050-069	FX 3
	070-089	FX 4
	090-109	FX 5
	110-129	FX 6
	130-149	FX 7
	150-169	FX 8
	170-189	FX 9
	190-209	FX 10
	210-229	FX 11
	230-249	FX 12

## 4 Using a DMX512 Controller

### 4.1 Channel Assignment

Note: this product have DMX512 channel configuration: [ HSIC ]、[ SSP ]、[ TOUR ]、[ TR16 ]、[ PIXEL ]、[ CMY ]、

SSP (21CH)	TOUR (24CH)	TR16 (33CH)	VALUE	FUNCTION
CH.1	CH.1	CH.1	0-255	PAN
		CH.2	0-255	PAN FINE
CH.2	CH.2	CH.3	0-255	TITL
		CH.4	0-255	TITL FINE
CH.3	CH.3	CH.5	0-255	PT SPEED
CH.4	CH.4	CH.6	0-255	RED
		CH.7	0-255	RED FINE
CH.5	CH.5	CH.8	0-255	GREEN
		CH.9	0-255	GREEN FINE
CH.6	CH.6	CH.10	0-255	BLUE
		CH.11	0-255	BLUE FINE
CH.7	CH.7	CH.12	0-255	WHITE
		CH.13	0-255	WHTIE FINE
CH.8	CH.8	CH.14	0-255	DIMMER
		CH.15	0-255	DIMMER FINE
CH.9	CH.9	CH.16	<b>BEAM STROBE</b>	
			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
			<b>COLOR MARCOS</b>	
			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%

SSP (21CH)	TOUR (26CH)	TR16 (33CH)	VALUE	FUNCTION
	CH.10	CH.17	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
			<b>STATIC PIXEL</b>	
			0-9	NO FUNCTION
			10-15	1
			16-21	2
			22-27	3
			28-33	4
			34-39	5
			40-45	6
			46-51	7
			52-57	1,2
			58-63	1,3
			64-69	1,4
			70-75	1,5
			76-85	1,6
			86-90	1,7
91-95	2,3			
96-100	2,4			

HSIC	VALUE	FUNCTION
CH.15	0-255	BLUE_Center
CH.16	0-255	WHITE_Center
CH.17	0-255	DIMMER_Center
CH.18	<b>Effect of center STROBE</b>	
	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	
CH.19	<b>PRISM</b>	
	0-120	ROTATING GOBO ANGLE ADJUSTMENT ( 0 → 360° )
	121-125	STOP
	126-165	ROTATING GOBO SHAKE (SPEED 1 → 100%)
	166-170	STOP
	171-210	ROTATING GOBO POSITIVE ROTATION (SPEED 100% → 1)
	211-215	STOP
	216-255	ROTATING GOBO REVERSE ROTATION (SPEED 1 → 100%)
CH.20	<b>Ring Color Presets</b>	
	000-009	Open
	010-014	RED
	015-019	GREEN
	020-024	BLUE
	025-029	Yellow
	030-034	Magenta
	035-039	Cyan
	040-044	WHITE
	045-049	Violet blue
	050-054	Light blue
	055-059	Wine red
	060-064	May green
	065-069	Reseda green
	070-074	Blue lilac
075-079	Moss green	
080-084	Signal violet	

HSIC	VALUE	FUNCTION
CH.1	0-255	PAN
CH.2	0-255	PAN FINE
CH.3	0-255	TITL
CH.4	0-255	TITL FINE
CH.5	0-255	PT SPEED
CH.6	0-255	INTENSIYT
CH.7	0-255	HUE
CH.8	0-255	HUE FINE
CH.9	0-255	SATURATION
CH.10	<b>CCT</b>	
	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
CH.11	<b>STROBE</b>	
	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	
CH.12	0-255	ZOOM
CH.13	0-255	RED_Center
CH.14	0-255	GREEN_Center

SSP (21CH)	TOUR (26CH)	TR16 (33CH)	VALUE	FUNCTION
	CH.11	CH.18	101-105	2,5
			106-110	2,6
			111-115	2,7
			116-120	3,4
			121-125	3,5
			126-130	3,6
			131-135	3,7
			136-140	4,5
			141-145	4,6
			146-150	4,7
			151-155	5,6
			156-160	5,7
			161-165	6,7
			166-170	1,2,3
			171-175	1,4,5
			176-180	1,6,7
			181-185	2,3,4
			186-190	5,6,7
			191-195	4,5,6
			196-200	7,2,3
			201-205	1,2,3,4
			206-210	1,5,6,7
			211-215	1,3,5,7
			216-220	3,4,5,6
			221-225	1,2,3,4,5
226-230	1,4,5,6,7			
231-235	3,4,5,6,7			
236-240	1,2,3,4,5,6			
241-245	2,3,4,5,6,7			
246-250	1,2,3,5,6,7			
251-255	ALL LED OUT			
			<b>PIXEL EFFECT</b>	
			0-9	NO FUNCTION
			10-13	1-7(Single light cycling operation,associated with CH4-CH10)
			14-17	7-1(Single light cycling operation,associated with CH4-CH10)

SSP (21CH)	TOUR (26CH)	TR16 (33CH)	VALUE	FUNCTION
			18-21	1-7-1(Single light cycling operation,associated with CH4-CH10)
			22-25	1-4 and 7-4(1&7)light up in the same time,getting from 2 sides to the center in turn ,when it is at 4 ,spreading from the center to the 2 sides,associated with CH4-CH10)
			26-29	1 (Illuminance 30%) - 2 (Illuminance60%) 3 (Illuminance100%) , (associated with CH4-CH10)
				2 (Illuminance 30%) - 3 (Illuminance60%) 4 (Illuminance100%) , (associated with CH4-CH10)
				3 (Illuminance 30%) - 4 (Illuminance60%) 5 (Illuminance100%) , (associated with CH4-CH10)
				4 (Illuminance 30%) - 5 (Illuminance60%) 6 (Illuminance100%) , (associated with CH4-CH10)
				5 (Illuminance 30%) - 6 (Illuminance60%) 7 (Illuminance100%) , (associated with CH4-CH10)
				6 (Illuminance 30%) - 7 (Illuminance60%) 1 (Illuminance100%) , (associated with CH4-CH10)
				7 (Illuminance 30%) - 1 (Illuminance60%) 2 (Illuminance100%) , (associated with CH4-CH10)
			30-33	7 (Illuminance 30%) - 6 (Illuminance60%) 5 (Illuminance100%) , (associated with CH4-CH10)
				6 (Illuminance 30%) - 5 (Illuminance60%) 4 (Illuminance100%) , (associated with CH4-CH10)
				5 (Illuminance 30%) - 4 (Illuminance60%) 3 (Illuminance100%) , (associated with CH4-CH10)
				4 (Illuminance 30%) - 3 (Illuminance60%) 2 (Illuminance100%) , (associated with CH4-CH10)
				3 (Illuminance 30%) - 2 (Illuminance60%) 1 (Illuminance100%) , (associated with CH4-CH10)
				2 (Illuminance 30%) - 1 (Illuminance60%) 7 (Illuminance100%) , (associated with CH4-CH10)
			1 (Illuminance 30%) - 7 (Illuminance60%) 6 (Illuminance100%) , (associated with CH4-CH10)	
			34-37	1-7(Single 2700k cycling operation ,the background effect associated with CH4-CH10)
			38-41	7-1(Single 2700k cycling operation ,the background effect associated with CH4-CH10)
			42-45	1-7-1(Single 2700k cycling operation ,the background effect associated with CH4-CH10)
			46-49	1-4 and 7-4(1<2700k>&7<2700K>light up in the same time,getting from 2 sides to the center in turn ,when it is at 4,spreading from the center to the 2 sides,the background effect associated with CH4-CH10)
			50-53	1-7(Single 6000k cycling operation ,the background effect associated with CH4-CH10)
			54-57	7-1(Single 6000k cycling operation ,the background effect associated with CH4-CH10)
			58-61	1-7-1(Single 6000k cycling operation ,the background effect associated with CH4-CH10)
			62-65	1-4 and 7-4(1<6000k>&7<6000K>light up in the same time,getting from 2 sides to the center in turn ,when it is at 4,spreading from the center to the 2 sides,the background effect associated with CH4-CH10)
			66-69	Red background ,illuminaace adjustable . 100% green lightness runs(1-7)
			70-73	Red background ,illuminaace adjustable . 100% green lightness runs(7-1)
			74-77	Red background ,illuminaace adjustable . 100% green lightness runs(1-7-1)
			78-81	Red background ,illuminaace adjustable . 100% green lightness runs(1-4,7-4,1&7)light up in the same time,getting from 2 sides to the center in turn ,when it is at 4,spreading from the center to the 2 sides.associated with CH4-CH10.
			82-85	Green background ,illuminaace adjustable.100% blue lightness runs(1-7)
			86-89	Green background ,illuminaace adjustable.100% blue lightness runs(7-1)
			90-93	Green background ,illuminaace adjustable . 100% blue lightness runs(1-7-1)
			94-97	Green background ,illuminaace adjustable . 100% blue lightness runs(1-4,7-4,1&7)light up in the same time,getting from 2 sides to the center in turn ,when it is at 4,spreading from the center to the 2 sides.associated with CH4-CH10.
98-101	Blue background ,illuminaace adjustable.100% green lightness runs(1-7)			
102-105	Blue background ,illuminaace adjustable.100% green lightness runs(7-1)			
106-109	Blue background ,illuminaace adjustable . 100% green lightness runs(1-7-1)			

SSP (21CH)	TOUR (26CH)	TR16 (33CH)	VALUE	FUNCTION
CH.21	CH.26	CH.33	90-99	DIM4
			100-139	PWM 1200Hz
			140-149	PWM 2000Hz
			150-159	PWM 2400Hz
			160-169	PWM 6000Hz
			170-179	PWM 25000Hz
			180-189	FAN SLOW
			190-199	FAN FAST
			200-209	FAN AUTO
			210-219	AUTO TEST
			220-229	pan/tilt reset
			230-237	ZOOM RESET
			240-249	Total Reset
			250-255	NO FUNCTION

SSP (21CH)	TOUR (26CH)	TR16 (33CH)	VALUE	FUNCTION
			135-139	Deep orange
			140-144	Lemmon
			145-149	Golden yellow
			150-154	Pastel orange
			155-159	Cream
			160-164	Melon yellow
			165-169	Luminous orange
			170-174	Luminouse yellow
			175-179	Open
			180-248	Stop
249-255	Open			
CH.19	CH.24	CH.31	<b>Color FX</b>	
			000-009	Open
			010-029	FX 1
			030-049	FX 2
			050-069	FX 3
			070-089	FX 4
			090-109	FX 5
			110-129	FX 6
			130-149	FX 7
			150-169	FX 8
			170-189	FX 9
			190-209	FX 10
			210-229	FX 11
			230-249	FX 12
			250-255	Open
CH.20	CH.25	CH.32	0-255	Ring Speed(SPEED 1 → 100%)
			<b>Control (will be active after 5 seconds on the corresponding value)</b>	
			0-9	NO FUNCTION
			10-19	PAN/TILT BLACK ACTIVATED
			20-29	PAN/TILT BLACK DEACTIVATED
			30-59	DIM0
			60-69	DIM1
			70-79	DIM2
			80-89	DIM3

SSP (21CH)	TOUR (26CH)	TR16 (33CH)	VALUE	FUNCTION
			110-113	Blue background ,illumina adjustable . 100% green lightness runs(1-4,7-4),1&7 light up in the same time,getting from 2 sides to the center in turn ,when it is at 4, sperading from the center to the 2 sides.associated with CH4-CH10.
			114-117	Red background ,illumina adjustable . 100% white lightness runs(1-7)
			118-121	Red background ,illumina adjustable . 100% white lightness runs(7-1)
			122-125	Red background ,illumina adjustable . 100% white lightness runs(1-7-1)
			126-129	Red background ,illumina adjustable . 100% white lightness runs(1-4,7-4),1&7 light up in the same time,getting from 2 sides to the center in turn ,when it is at 4, sperading from the center to the 2 sides.associated with CH4-CH10.
			130-133	White background ,illumina adjustable . 100% red lightness runs(1-7)
			134-137	White background ,illumina adjustable . 100% red lightness runs(7-1)
			138-141	White background ,illumina adjustable . 100% red lightness runs(1-7-1)
			142-145	White background ,illumina adjustable . 100% red lightness runs(1-4,7-4),1&7 light up in the same time,getting from 2 sides to the center in turn ,when it is at 4, sperading from the center to the 2 sides.associated with CH4-CH10.
			146-149	Green background ,illumina adjustable . 100% white lightness runs(1-7)
			150-153	Green background ,illumina adjustable . 100% white lightness runs(7-1)
			154-157	Green background ,illumina adjustable . 100% white lightness runs(1-7-1)
			158-161	Green background ,illumina adjustable. 100% white lightness runs(1-4,7-4),1&7 light up in the same time,getting from 2 sides to the center in turn ,when it is at 4, sperading from the center to the 2 sides.associated with CH4-CH10.
			162-165	Blue background ,illumina adjustable . 100% white lightness runs(1-7)
			166-169	Blue background ,illumina adjustable . 100% white lightness runs(7-1)
			170-173	Blue background ,illumina adjustable . 100% white lightness runs(1-7-1)
			174-177	Blue background ,illumina adjustable . 100% white lightness runs(1-4,7-4),1&7 light up in the same time,getting from 2 sides to the center in turn ,when it is at 4, sperading from the center to the 2 sides.associated with CH4-CH10.
			178-181	Green background ,illumina adjustable . 100% red lightness runs(1-7)
			182-185	Green background ,illumina adjustable . 100% red lightness runs(7-1)
			186-189	Green background ,illumina adjustable . 100% red lightness runs(1-7-1)
			190-193	Green background ,illumina adjustable . 100% red lightness runs(1-4,7-4),1&7 light up in the same time,getting from 2 sides to the center in turn ,when it is at 4, sperading from the center to the 2 sides.associated with CH4-CH10.
			194-197	Blue background ,illumina adjustable . 100% red lightness runs(1-7)
			198-201	Blue background ,illumina adjustable . 100% red lightness runs(7-1)
			202-205	Blue background ,illumina adjustable . 100% red lightness runs(1-7-1)
			206-209	Blue background ,illumina adjustable . 100% red lightness runs(1-4,7-4),1&7 light up in the same time,getting from 2 sides to the center in turn ,when it is at 4, sperading from the center to the 2 sides.associated with CH4-CH10.
210-215	disordered run			
216-221	(1,4,5)-(2,5,6)-(3,6,7)-(4,7,1)-(5,1,2)-(6,2,3)-(7,3,4)			
222-227	(1,2,5,6)-(2,3,6,7)-(3,4,7,1)-(4,5,1,2)-(5,6,2,3)-(6,7,3,4)-(7,1,4,5)			
228-230	1,2 circular ring			
231-233	1,2,3 circular ring			
234-236	1,2,3,4 circular ring			
237-239	1-3blue , 4-7red			
240-242	1-3cyan , 4-7orange			
243-245	1-3purple , 4-7yellow			
246-248	1-3orange , 4-7green			

SSP (21CH)	TOUR (26CH)	TR16 (33CH)	VALUE	FUNCTION
			249-251	1-3red , 4-7purple
			252-254	1-3yellow , 4-7blue
			255	1-3green , 4-7purple
	CH.13	CH.20	0-255	AUTO SPEED ADJUSTMENT( SLOW TO FAST)
CH.10	CH.14	CH.21	0-255	ZOOM
CH.11	CH.15	CH.22	0-255	RED_Center
CH.12	CH.16	CH.23	0-255	GREEN_Center
CH.13	CH.17	CH.24	0-255	BLUE_Center
CH.14	CH.18	CH.25	0-255	WHITE_Center
CH.15	CH.19	CH.26	0-255	DIMMER_Center
			<b>Effect of center STROBE</b>	
			0-9	NO FUNCTION
			10-99	STROBE FROM ( SLOD TO FAST , 0-25Hz )
CH.16	CH.20	CH.27	100-109	NO FUNCTION
			110-179	LIGHTNING STROBE
			180-189	NO FUNCTION
			190-255	RANDOM STROBE
			<b>Effect of center</b>	
			0-9	NO FUNCTION
			10-25	R+G
			26-41	R+B
			42-57	R+W
			58-73	G+B
			74-89	G+W
			90-105	B+W
	CH.21	CH.28	106-121	R+G+B
			122-137	R+G+B+W
			138-153	R-G-R
			154-169	R-B-R
			170-185	R-W-R
			186-201	G-B-G
			202-217	B-W-B
			218-233	R-G-B-R
			234-255	R-G-B-W-R

SSP (21CH)	TOUR (26CH)	TR16 (33CH)	VALUE	FUNCTION
			<b>PRISM</b>	
			0-120	ROTATING GOBO ANGLE ADJUSTMENT (0 → 360° )
			121-125	STOP
CH.17	CH.22	CH.29	126-165	ROTATING GOBO SHAKE (SPEED 1 → 100%)
			166-170	STOP
			171-210	ROTATING GOBO POSITIVE ROTATION (SPEED 100% → 1)
			211-215	STOP
			216-255	ROTATING GOBO REVERSE ROTATION (SPEED 1 → 100%)
			<b>Ring Color Presets</b>	
			000-009	Open
			010-014	RED
			015-019	GREEN
			020-024	BLUE
			025-029	Yellow
			030-034	Magenta
			035-039	Cyan
			040-044	WHITE
			045-049	Violet blue
			050-054	Light blue
			055-059	Wine red
CH.18	CH.23	CH.30	060-064	May green
			065-069	Reseda green
			070-074	Blue lilac
			075-079	Moss green
			080-084	Signal violet
			085-089	Red lilac
			090-094	Purple red
			095-099	Green brown
			100-104	Pale green
			105-109	Ruby red
			110-114	Flame red
			115-119	Red orange
			120-124	Rose
			125-129	Honey yellow
			130-134	Light Pin