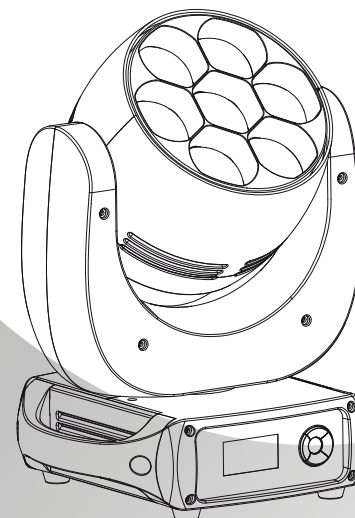


CHANNEL	VALUE	FUNCTION
10	0 ⇄ 255	RED 1
11	0 ⇄ 255	GREEN1
12	0 ⇄ 255	BLUE1
13	0 ⇄ 255	WHITE1
14	0 ⇄ 255	RED2
15	0 ⇄ 255	GREEN2
16	0 ⇄ 255	BLUE2
17	0 ⇄ 255	WHITE 2
18	0 ⇄ 255	RED3
19	0 ⇄ 255	GREEN3
20	0 ⇄ 255	BLUE3
21	0 ⇄ 255	WHITE3
22	0 ⇄ 255	RED4
23	0 ⇄ 255	GREEN4
24	0 ⇄ 255	BLUE4
25	0 ⇄ 255	WHITE4
26	0 ⇄ 255	RED 5
27	0 ⇄ 255	GREEN5
28	0 ⇄ 255	BLUE5
29	0 ⇄ 255	WHITE 5
30	0 ⇄ 255	RED 6
31	0 ⇄ 255	GREEN6
32	0 ⇄ 255	BLUE6
33	0 ⇄ 255	WHITE 6
34	0 ⇄ 255	RED 7
35	0 ⇄ 255	GREEN7
36	0 ⇄ 255	BLUE7
37	0 ⇄ 255	WHITE7

PLUTO 2000XE

USER MANUAL



SS646

SILVER STAR
Professional Lighting

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RD-SS646-SM-00(SS-I)

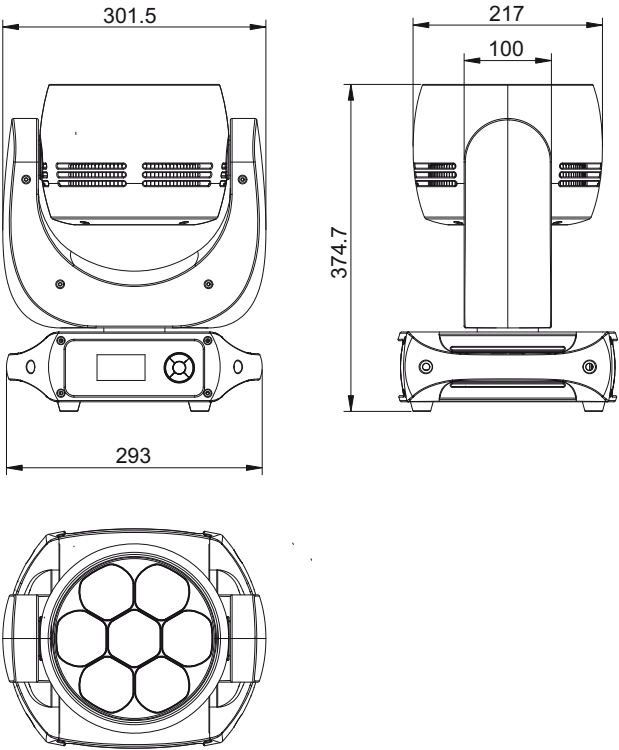
1 PRODUCT SPECIFICATIONS

1.1 PRODUCT SPECIFICATIONS

Electrical

- ◆Voltage:AC100~240V, 50/60Hz
- ◆Max Power:300W
- ◆ Size:375x302x251mm
- ◆ Weight:9.3kg

1.2 PRODUCT FEATURES



PIXEL

CHANNEL	VALUE	FUNCTION
1	0 ⇔ 255	PAN
2	0 ⇔ 255	PAN FINE
3	0 ⇔ 255	TILT
4	0 ⇔ 255	TILT FINE
5	0 ⇔ 255	PT SPEED
6	0 ⇔ 255	DIMMER
7		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
8	190 ⇔ 255	RANDOM SROBE
	0 ⇔ 255	ZOOM
9		CONTROL
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 19	PAN/TILTBLACK ACTIVATED
	20 ⇔ 29	PAN/TILTBLACK DEACTIVATED
	30 ⇔ 39	FAN SLOW
	40 ⇔ 49	FAN NORMAL
	50 ⇔ 59	FAN FAST
	60 ⇔ 69	FAN AUTO
	70 ⇔ 79	AUTO1
	80 ⇔ 89	AUTO2
	90 ⇔ 99	CUSTOM
	100 ⇔ 109	TEST
	110 ⇔ 119	RESET
	120 ⇔ 129	NO FUNCTION
	130 ⇔ 139	DIM0
	140 ⇔ 149	DIM1
	150 ⇔ 159	DIM2
	160 ⇔ 169	DIM3
	170 ⇔ 179	DIM4
	180 ⇔ 255	NO FUNCTION

CHANNEL	VALUE	FUNCTION
12		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 SROBE
13	0 ⇔ 255	ZOOM
14		CONTROL
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 19	PAN/TILTBLACK ACTIVATED
	20 ⇔ 29	PAN/TILTBLACK DEACTIVATED
	30 ⇔ 39	FAN SLOW
	40 ⇔ 49	FAN NORMAL
	50 ⇔ 59	FAN FAST
	60 ⇔ 69	FAN AUTO
	70 ⇔ 79	AUTO1
	80 ⇔ 89	AUTO2
	90 ⇔ 99	CUSTOM
	100 ⇔ 109	TEST
	110 ⇔ 119	RESET
	120 ⇔ 129	NO FUNCTION
	130 ⇔ 139	DIM0
	140 ⇔ 149	DIM1
	150 ⇔ 159	DIM2
	160 ⇔ 169	DIM3
	170 ⇔ 179	DIM4
	180 ⇔ 255	NO FUNCTION

1.3 SAFETY WARNING

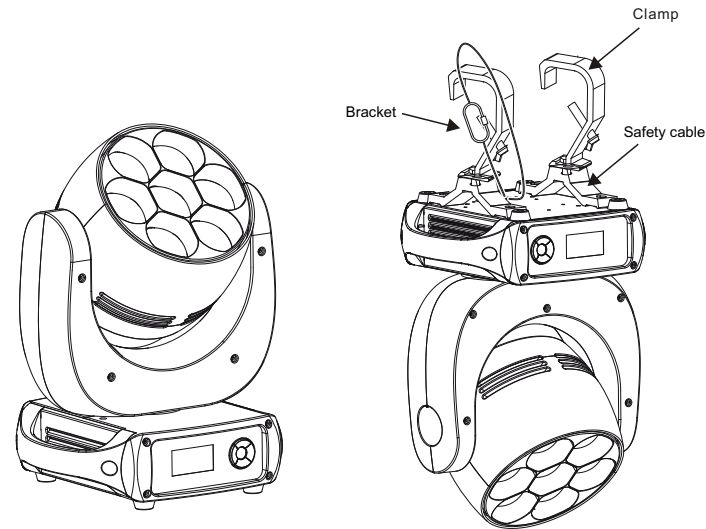
IMPORTANT:

- This product must be installed by a qualified professional.
- All maintenance must be carried out by a qualified electrician.
- A minimum distance of 0.5m must be maintained between the equipment and a combustible surface.
- The product must always be operated in a well ventilated area.
- DO NOT stare directly into the LED light source.
- Always disconnect the power before carrying out any maintenance.
- The earth must always be connected to the ground.
- Ensure that all parts of the equipment are kept clean and free of dust.

2 INSTALLATION

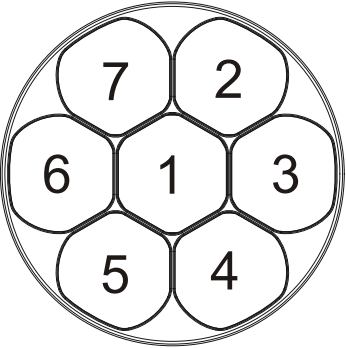
2.1 MOUNTING:

- 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.



IMPORTANT SAFETY NOTE!!
Always use a safety cable when installing this unit!!
Be sure that the safety cable is connected to a solid load-bearing structure.

CHANNEL	VALUE	FUNCTION	单点控制功能
11	68 ⇔ 71	static 16	1,2,3
	72 ⇔ 45	static 17	1,4,5
	76 ⇔ 79	static 18	1,6,7
	80 ⇔ 83	static 19	1,2,5
	84 ⇔ 87	static 20	1,3,6
	88 ⇔ 91	static 21	1,4,7
	92 ⇔ 95	static 22	3,5,7
	96 ⇔ 99	static 23	5,6,7
	100 ⇔ 103	static 24	1,3,5,7
	104 ⇔ 107	static 25	1,5,6,7
	108 ⇔ 111	static 26	1,2,4,5,7
	112 ⇔ 115	static 27	1,2,3,5,6
	116 ⇔ 119	static 28	1,3,4,6,7
	120 ⇔ 123	static 29	2,3,4,5,6,7
	124 ⇔ 127	black	DARK
	128 ⇔ 135	static ALL	BRIGHT
	136 ⇔ 145	RING1 slow-->fast	(2)-(3)-(4)-(5)-(6)-(7)
	146 ⇔ 155	RING2A slow-->fast	(2,3)-(4,5)-(6,7)
	156 ⇔ 165	RING2B slow-->fast	(2,5)-(3,6)-(4,7)
	166 ⇔ 175	RING2C slow-->fast	(1,2)-(1,3)-(1,4)-(1,5)-(1,6)-(1,7)
	176 ⇔ 185	RING3A slow-->fast	(2,3,4)-(5,6,7)
	186 ⇔ 195	RING3B slow-->fast	(1,2,3)-(1,4,5)-(1,6,7)
	196 ⇔ 205	RING3C slow-->fast	(1,2,5)-(1,3,6)-(1,4,7)
	206 ⇔ 215	RING3D slow-->fast	(2,5,7)-(1,4,6)
	216 ⇔ 225	RING3E slow-->fast	(2,3,4)-(3,4,5)-(4,5,6)-(5,6,7)-(6,7,2)-(7,2,3)
	226 ⇔ 235	RING4 slow-->fast	(1,2,3,5,6)-(1,3,4,6,7)-(1,4,5,7)
	236 ⇔ 245	RING5 slow-->fast	(1,2,3,5,6)-(1,3,4,6,7)-(1,4,5,7,2)
	246 ⇔ 255	GINR6 slow-->fast	(1)-(2,3,4,5,6,7)

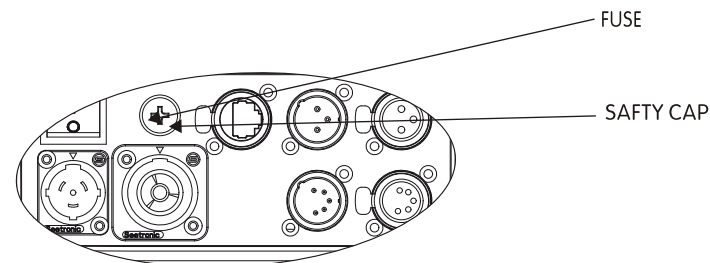


To identify up, middle and down by head which after the fixture electrify & reset

CMY			
CHANNEL	VALUE	FUNCTION	单点控制功能
1	0 ⇄ 255	PAN	
2	0 ⇄ 255	PAN FINE	
3	0 ⇄ 255	TITL	
4	0 ⇄ 255	TITL FINE	
5	0 ⇄ 255	PT SPEED	
6	0 ⇄ 255	CYAN	
7	0 ⇄ 255	MAGENT	
8	0 ⇄ 255	YELLOW	
9	0 ⇄ 255	DIMMER	
10		MARCOS	
	0 ⇄ 9	NO FUNCTION	
	10 ⇄ 29	RED 100% / GREEN UP / BLUE 0%	
	30 ⇄ 49	RED DOWN / GREEN 100% / BLUE 0%	
	50 ⇄ 69	RED 0% / GREEN 100% / BLUE UP	
	70 ⇄ 89	RED 0% / GREEN DOWN / BLUE 100%	
	90 ⇄ 109	RED UP / GREEN 0% / BLUE 100%	
	110 ⇄ 129	RED 100% / GREEN 0% / BLUE DOWN	
	130 ⇄ 149	RED 100% / GREEN UP / BLUE UP	
	150 ⇄ 169	RED DOWN / GREEN DOWN / BLUE 100%	
	170 ⇄ 189	ALL LED AT FULL OUTPUT	
	190 ⇄ 199	2700K	
	200 ⇄ 209	3200K	
	210 ⇄ 219	4200K	
	220 ⇄ 229	5600K	
	230 ⇄ 239	6500K	
	240 ⇄ 255	8000K	
11		A SINGLE POINT	
	0 ⇄ 7	NO FUNCTION	
	8 ⇄ 11	static 1	1
	12 ⇄ 15	static 2	2
	16 ⇄ 19	static 3	3
	20 ⇄ 23	static 4	4
	24 ⇄ 27	static 5	5
	28 ⇄ 31	static 6	6
	32 ⇄ 35	static 7	7
	36 ⇄ 39	static 8	2,3
	40 ⇄ 43	static 9	4,5
	44 ⇄ 47	static 10	6,7
	48 ⇄ 51	static 11	2,5
	52 ⇄ 55	static 12	3,6
	56 ⇄ 59	static 13	4,7
	60 ⇄ 63	static 14	2,3,4
	64 ⇄ 67	static 15	5,6,7

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.



2.3 POWER CONNECTIONS

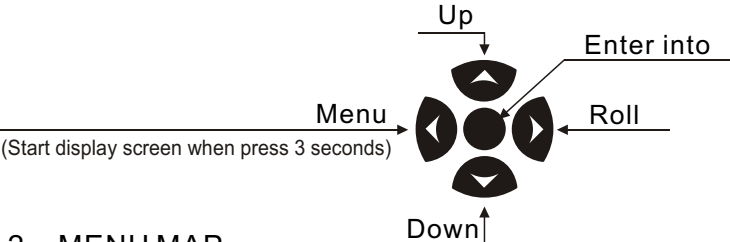
- 220~240V: 6 units may be connected in series
- 110~120V: 3 units may be connected in series

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.

3 DISPLAY PANEL OPERATION

3.1 DISPLAY OPERATION

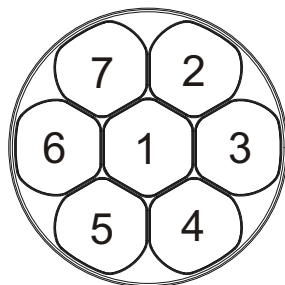


3.2 MENU MAP

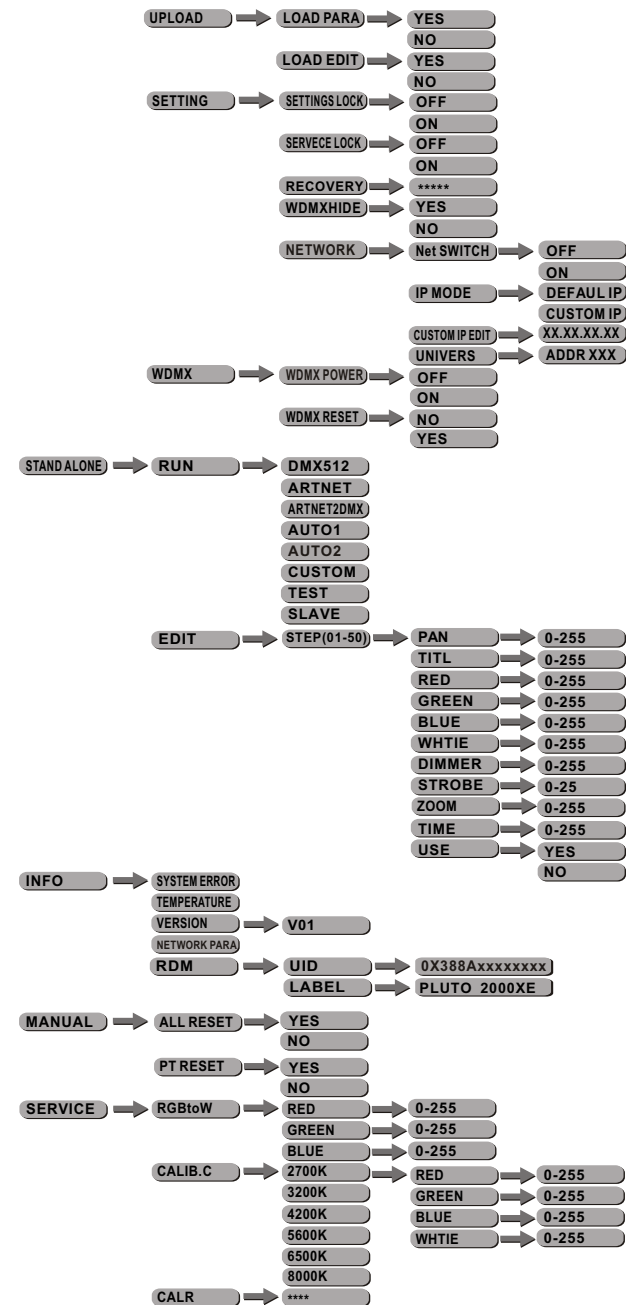


CHANNEL	VALUE	FUNCTION
18		STROBE
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 99	STROBE FROM (SLOD TO FAST , 0-25Hz)
	100 ⇔ 109	NO FUNCTION
	110 ⇔ 179	LIGHTNING STROBE
	180 ⇔ 189	NO FUNCTION
19	190 ⇔ 255	RANDOM SROBE
	0 ⇔ 255	ZOOM
20		CONTROL
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 19	PAN/TILTBLACK ACTIVATED
	20 ⇔ 29	PAN/TILTBLACK DEACTIVATED
	30 ⇔ 39	FAN SLOW
	40 ⇔ 49	FAN NORMAL
	50 ⇔ 59	FAN FAST
	60 ⇔ 69	FAN AUTO
	70 ⇔ 79	AUTO1
	80 ⇔ 89	AUTO2
	90 ⇔ 99	CUSTOM
	100 ⇔ 109	TEST
	110 ⇔ 119	RESET
	120 ⇔ 129	NO FUNCTION
	130 ⇔ 139	DIM0
	140 ⇔ 149	DIM1
	150 ⇔ 159	DIM2
	160 ⇔ 169	DIM3
	170 ⇔ 179	DIM4
	180 ⇔ 255	NO FUNCTION

CHANNEL	VALUE	FUNCTION	单点控制功能
36 ⇔ 39	static 8	2,3	
40 ⇔ 43	static 9	4,5	
44 ⇔ 47	static 10	6,7	
48 ⇔ 51	static 11	2,5	
52 ⇔ 55	static 12	3,6	
56 ⇔ 59	static 13	4,7	
60 ⇔ 63	static 14	2,3,4	
64 ⇔ 67	static 15	5,6,7	
68 ⇔ 71	static 16	1,2,3	
72 ⇔ 75	static 17	1,4,5	
76 ⇔ 79	static 18	1,6,7	
80 ⇔ 83	static 19	1,2,5	
84 ⇔ 87	static 20	1,3,6	
88 ⇔ 91	static 21	1,4,7	
92 ⇔ 95	static 22	3,5,7	
96 ⇔ 99	static 23	5,6,7	
100 ⇔ 103	static 24	1,3,5,7	
104 ⇔ 107	static 25	1,5,6,7	
108 ⇔ 111	static 26	1,2,4,5,7	
112 ⇔ 115	static 27	1,2,3,5,6	
116 ⇔ 119	static 28	1,3,4,6,7	
120 ⇔ 123	static 29	2,3,4,5,6,7	
124 ⇔ 127	black	DARK	
128 ⇔ 135	static ALL	BRIGHT	
136 ⇔ 145	RING1	slow-->fast (2)-(3)-(4)-(5)-(6)-(7)	
146 ⇔ 155	RING2A	slow-->fast (2,3)-(4,5)-(6,7)	
156 ⇔ 165	RING2B	slow-->fast (2,5)-(3,6)-(4,7)	
166 ⇔ 175	RING2C	slow-->fast (1,2)-(1,3)-(1,4)-(1,5)-(1,6)-(1,7)	
176 ⇔ 185	RING3A	slow-->fast (2,3,4)-(5,6,7)	
186 ⇔ 195	RING3B	slow-->fast (1,2,3)-(1,4,5)-(1,6,7)	
196 ⇔ 205	RING3C	slow-->fast (1,2,5)-(1,3,6)-(1,4,7)	
206 ⇔ 215	RING3D	slow-->fast (2,5,7)-(1,4,6)	
216 ⇔ 225	RING3E	slow-->fast (2,3,4)-(3,4,5)-(4,5,6)-(5,6,7)-(6,7,2)-(7,2,3)	
226 ⇔ 235	RING4	slow-->fast (1,2,3,5,6)-(1,3,4,6,7)-(1,4,5,7)	
236 ⇔ 245	RING5	slow-->fast (1,2,3,5,6)-(1,3,4,6,7)-(1,4,5,7,2)	
246 ⇔ 255	GINR6	slow-->fast (1)-(2,3,4,5,6,7)	



To identify up, middle and down by head which after the fixture electrify & reset



3.3 DMX512 SETTINGS

MENU → ADDRESS → 001-512

- Enter the **【DMX】** mode to set the DMX ADDRESS.

3.4 PERSONALITY

MENU → PERSON → HSIC
PERSON1
PERSON2
CMY
PIXEL

- Enter the **【PERSON】** mode to select DMX mode: **【HSIC】** , **【PERSON1】** , **【PERSON2】** , **【CMY】** , **【PIXEL】** ,

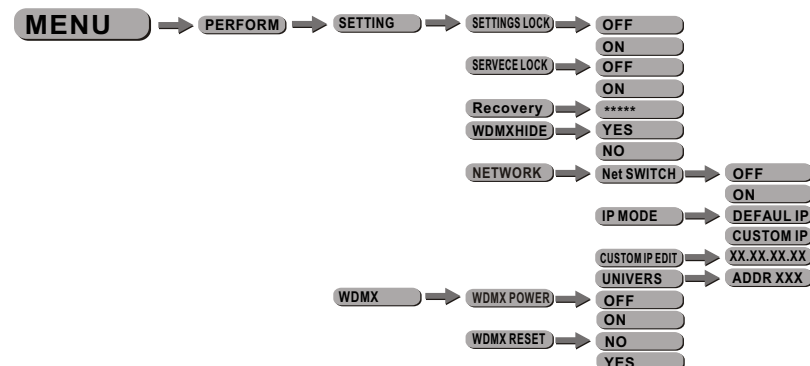
3.5 PERFORM

MENU → PERFORM → FANS → SLOW
NORMAL
FAST
AUTO
PAN/TILT → PAN INVERT → NORMAL
INVERT
TITL INVERT → NORMAL
INVERT
PT SPEED → FAST
SLOW
PT RANGE → P.START → 0-255
P.END → 0-255
T.START → 0-255
T.END → 0-255
USE → NO
YES
BLACKOUT → OFF
ON
DIMMER → DIM4
DIM3
DIM2
DIM1
OFF
COLOR → UC
RGB to W
OFF
FULL POWER CCT → 3200K
4200K
5600K
10000K
NORMAL
DMX ERROR → SAVE
BLACK
DMX RESET → DMX → YES/NO
DISPLAY → YES/NO
DISPLAY ON → SHORT
LONG
DISPLAY LOCK → OFF
ON
UPLOAD → LOAD PARA → YES
NO
LOAD EDIT → YES
NO

PERSON2

CHANNEL	VALUE	FUNCTION	单点控制功能
1	0 ⇔ 255	PAN	
2	0 ⇔ 255	PAN FINE	
3	0 ⇔ 255	TITL	
4	0 ⇔ 255	TITL FINE	
5	0 ⇔ 255	PT SPEED	
6	0 ⇔ 255	RED	
7	0 ⇔ 255	RED FINE	
8	0 ⇔ 255	GREEN	
9	0 ⇔ 255	GREEN FINE	
10	0 ⇔ 255	BLUE	
11	0 ⇔ 255	BLUE FINE	
12	0 ⇔ 255	WHTIE	
13	0 ⇔ 255	WHTIE FINE	
14	0 ⇔ 255	DIMMER	
15	0 ⇔ 255	DIMMER FINE	
16		MARCOS	
	0 ⇔ 9	NO FUNCTION	
	10 ⇔ 29	RED 100% /GREEN UP /BLUE 0%	
	30 ⇔ 49	RED DOWN /GREEN 100% /BLUE 0%	
	50 ⇔ 69	RED 0% /GREEN 100% /BLUE UP	
	70 ⇔ 89	RED 0% /GREEN DOWN /BLUE 100%	
	90 ⇔ 109	RED UP /GREEN 0% /BLUE 100%	
	110 ⇔ 129	RED 100%/GREEN 0%/BLUEDOWN	
	130 ⇔ 149	RED 100%/GREEN UP/BLUE UP	
	150 ⇔ 169	RED DOWN/GREEN DOWN/BLUE 100%	
	170 ⇔ 189	ALL LEDAT FULLOUTPUT	
	190 ⇔ 199	2700K	
	200 ⇔ 209	3200K	
	210 ⇔ 219	4200K	
	220 ⇔ 229	5600K	
	230 ⇔ 239	6500K	
	240 ⇔ 255	8000K	
17		A SINGLEPOINT	
	0 ⇔ 7	NO FUNCTION	
	8 ⇔ 11	static 1	1
	12 ⇔ 15	static 2	2
	16 ⇔ 19	static 3	3
	20 ⇔ 23	static 4	4
	24 ⇔ 27	static 5	5
	28 ⇔ 31	static 6	6
	32 ⇔ 35	static 7	7

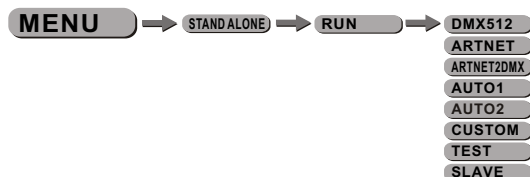
CHANNEL	VALUE	FUNCTION
10		STROBE
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 99	STROBE FROM (SLOD TO FAST , 0-25Hz)
	100⇔ 109	NO FUNCTION
	110 ⇔ 179	LIGHTNING STROBE
	180 ⇔ 189	NO FUNCTION
11	190 ⇔ 255	RANDOM SROBE
	0 ⇔ 255	ZOOM
12		CONTROL
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 19	PAN/TILTBLACK ACTIVATED
	20 ⇔ 29	PAN/TILTBLACK DEACTIVATED
	30 ⇔ 39	FAN SLOW
	40 ⇔ 49	FAN NORMAL
	50 ⇔ 59	FAN FAST
	60 ⇔ 69	FAN AUTO
	70 ⇔ 79	AUTO1
	80 ⇔ 89	AUTO2
	90 ⇔ 99	CUSTOM
	100 ⇔ 109	TEST
	110 ⇔ 119	RESET
	120 ⇔ 129	NO FUNCTION
	130 ⇔ 139	DIM0
	140 ⇔ 149	DIM1
	150 ⇔ 159	DIM2
	160 ⇔ 169	DIM3
	170 ⇔ 179	DIM4
	180 ⇔ 255	NO FUNCTION



- **【FANS】** menu, select **【Slow/Norm/Fast/Auto】** as required fan speed.
- **【PANINVERT】** menu, select **【NORM/INVERT】** for normal/inverted control of the PAN function
- **【TILTINVERT】** menu, select **【NORM/INVERT】** for normal/inverted control of the TILT function
- **【PT SPEED】** menu, select **【Slow/Fast】** as required PAN/TILT movement speed.
- **【BLACKD】** menu, select **【OFF】** for immediate activation of PAN/TILT blackout when selected using the control channel or **【ON】** for 3 second delay before activation.
- **【DIMMER】** menu for selection of **【DIM1/DIM2/DIM3/DIM4/OFF】** special dimming curves
- **【COLOR】** is for activate/unactivate the color calibration functions. When **[RGBtoW]** is selected, on RGB = 255,255,255, the color is displayed as calibrated in Service -- RGBtoW. 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.
- **<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>**.
- **【DMXERROR】** menu, select **【SAVE】** to maintain last command in case of DMX error or **【BLACK】** for blackout
- **【DMXRESET】** menu, select **【DMX】** to allow remote reset using DMX controller or **【DISPLAY】** for reset only available at on-fixture display
- **【DISPLAYON】** menu, select **【LONG/SHORT/DISPLAYLOCK】** for length of time for display backlight
- **【UPLOAD】** upload data setting, choose **【LOAD PARA】** to upload data, choose **【NO】** means do not upload data choose **【YES】** means upload data, choose **【LOAD EDIT】** to program, choose **【NO】** means do not upload, choose **【YES】** means upload

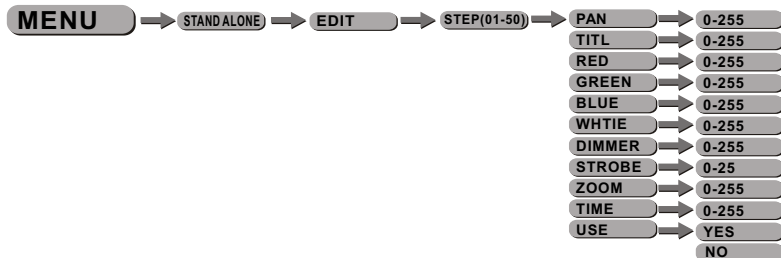
- **【SETTING】** is a protect bottom, **【 SETTINGS LOCK】** is the menu lock bottom, choose **【OFF】** means the menu lock bottom is off, choose **【ON】** means the menu lock bottom is on **【RECOVERY】** is the recover to default value. Press **【ENTER】** to password setting, press correct password **【UP+DOWN+UP+DOWN】** ,and press **【ENTER】** ,if password is correct, display will show **【OK】** ,
- **【NET SWITCH】** 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
- **【WDMX】** setting , choose **【WDMX POWER】** to turn on/off the DMX , choose **【OFF】** to turn off it. **【ON】** to turn on it. Choose **【 WDMX RESET】** to reset the DMX , choose **【NO】** , then DMX will not reset , **【YES】** , then DMX will reset

3.6 RUN



- Enter the **【STANDALONE】** menu to select from **【DMX512/ARTNET/ARTNET2DMX/AUTO 1/AUTO 2/CUSTOM/TEST/SLAVE】** run modes

3.7 EDIT

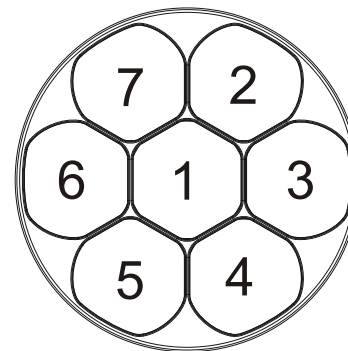


- Enter the **【 EDIT 】** mode to edit the custom programs by adjusting the value of **【PAN】** , **【TILT】** , **【RED】** , **【GREEN】** , **【BLUE】** , **【WHITE】** , **【DIMMER】** , **【STROBE】** , **【ZOOM】** , **【 TIME】**
- Enter **【 USE】** and select **【YES】** to run the steps user need.

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

CHANNEL	VALUE	FUNCTION	单点控制功能
	68 ⇔ 71	static 16	1,2,3
	72 ⇔ 45	static 17	1,4,5
	76 ⇔ 79	static 18	1,6,7
	80 ⇔ 83	static 19	1,2,5
	84 ⇔ 87	static 20	1,3,6
	88 ⇔ 91	static 21	1,4,7
	92 ⇔ 95	static 22	3,5,7
9	96 ⇔ 99	static 23	5,6,7
	100 ⇔ 103	static 24	1,3,5,7
	104 ⇔ 107	static 25	1,5,6,7
	108 ⇔ 111	static 26	1,2,4,5,7
	112 ⇔ 115	static 27	1,2,3,5,6
	116 ⇔ 119	static 28	1,3,4,6,7
	120 ⇔ 123	static 29	2,3,4,5,6,7
	124 ⇔ 127	black	DARK
	128 ⇔ 135	static ALL	BRIGHT
	136 ⇔ 145	RING1 slow-->fast	(2)-(3)-(4)-(5)-(6)-(7)
	146 ⇔ 155	RING2A slow-->fast	(2,3)-(4,5)-(6,7)
	156 ⇔ 165	RING2B slow-->fast	(2,5)-(3,6)-(4,7)
	166 ⇔ 175	RING2C slow-->fast	(1,2)-(1,3)-(1,4)-(1,5)-(1,6)-(1,7)
	176 ⇔ 185	RING3A slow-->fast	(2,3,4)-(5,6,7)
	186 ⇔ 195	RING3B slow-->fast	(1,2,3)-(1,4,5)-(1,6,7)
	196 ⇔ 205	RING3C slow-->fast	(1,2,5)-(1,3,6)-(1,4,7)
	206 ⇔ 215	RING3D slow-->fast	(2,5,7)-(1,4,6)
	216 ⇔ 225	RING3E slow-->fast	(2,3,4)-(3,4,5)-(4,5,6)-(5,6,7)-(6,7,2)-(7,2,3)
	226 ⇔ 235	RING4 slow-->fast	(1,2,3,5,6)-(1,3,4,6,7)-(1,4,5,7)
	236 ⇔ 245	RING5 slow-->fast	(1,2,3,5,6)-(1,3,4,6,7)-(1,4,5,7,2)
	246 ⇔ 255	GINR6 slow-->fast	(1)-(2,3,4,5,6,7)

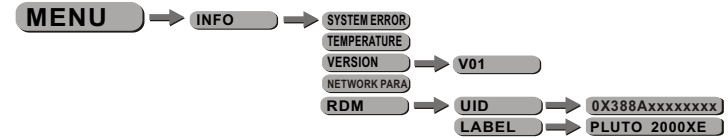


To identify up, middle and down by head which after the fixture electrify & reset

PERSON1

CHANNEL	VALUE	FUNCTION	单点控制功能
1	0 ⇄ 255	PAN	
2	0 ⇄ 255	TITL	
3	0 ⇄ 255	RED	
4	0 ⇄ 255	GREEN	
5	0 ⇄ 255	BLUE	
6	0 ⇄ 255	WHITE	
7	0 ⇄ 255	DIMMER	
8		MARCOS	
	0 ⇄ 9	NO FUNCTION	
	10 ⇄ 29	RED 100% /GREEN UP /BLUE 0%	
	30 ⇄ 49	RED DOWN /GREEN 100% /BLUE 0%	
	50 ⇄ 69	RED 0% /GREEN 100% /BLUE UP	
	70 ⇄ 89	RED 0% /GREEN DOWN /BLUE 100%	
	90 ⇄ 109	RED UP /GREEN 0% /BLUE 100%	
	110 ⇄ 129	RED 100% /GREEN 0% /BLUE DOWN	
	130 ⇄ 149	RED 100% /GREEN UP /BLUE UP	
	150 ⇄ 169	RED DOWN /GREEN DOWN /BLUE 100%	
	170 ⇄ 189	ALL LED AT FULL OUTPUT	
	190 ⇄ 199	2700K	
	200 ⇄ 209	3200K	
	210 ⇄ 219	4200K	
	220 ⇄ 229	5600K	
	230 ⇄ 239	6500K	
	240 ⇄ 255	8000K	
9		A SINGLE POINT	
	0 ⇄ 7	NO FUNCTION	
	8 ⇄ 11	static 1	1
	12 ⇄ 15	static 2	2
	16 ⇄ 19	static 3	3
	20 ⇄ 23	static 4	4
	24 ⇄ 27	static 5	5
	28 ⇄ 31	static 6	6
	32 ⇄ 35	static 7	7
	36 ⇄ 39	static 8	2,3
	40 ⇄ 43	static 9	4,5
	44 ⇄ 47	static 10	6,7
	48 ⇄ 51	static 11	2,5
	52 ⇄ 55	static 12	3,6
	56 ⇄ 59	static 13	4,7
	60 ⇄ 63	static 14	2,3,4
	64 ⇄ 67	static 15	5,6,7

3.8 INFO



- push **【OK】** button into the information search mode in menu **【INFO】**, push **【up/down】** to choose item.

Choose **【SYSTEM ERROR】** system data error.

Choose **【TEMPERATURE】** LED working temperature

Choose **【VERSION】** software version

Choose **【NETWORK PARA】** check network specification

Choose **【RDM】** check the fixture ID

Choose **【LABEL】** check model name

3.9 MANUAL

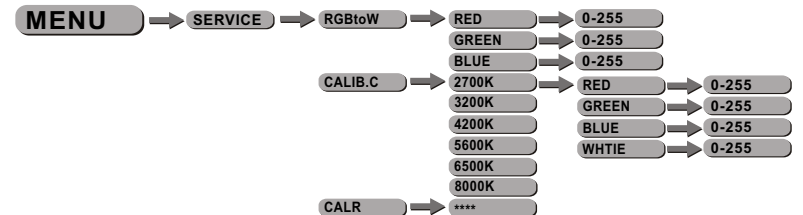


- Select **【RESET】** from the **【MANUAL】** menu

- **【ALL RESET】** menu, select **【YES/NO】** to carry out full fixture reset

- **【PT RESET】** menu, select **【YES/NO】** to carry out PAN/TILT reset

3.10 SERVICE



- Enter the **【RGBtoW】** to adjust the RGB parameter to make different whites.
- When the new setting is activated, the DMX controller choose RGB = 255,255,255 the white color will be made by the actual RGB values on the **【RGBtoW】**.
- Enter the **【CALIB】** to select white color of different color temperature.
- There are 11 pre-programmed White colors plus RGB TO WHITE and can be edited by using **【RED】**, **【GREEN】**, **【BLUE】** & **【WHITE】**.
- Press **【ENTER】** to find **【CALR】** CCT reset, press passcode **(Up +Down+ Up+ Down)**, then **【SUCCESS】** will be shown

4 USING A DMX512 CONTROLLER

4.1 CHANNEL ASSIGNMENT

- Note: This product have fourDMX512 channel configuration:
【HSIC】 , 【PERSON1】 , 【PERSON2】 , 【CMY】 , 【PIXEL】 .

HSIC		
CHANNEL	VALUE	FUNCTION
1	0 ⇔ 255	PAN
2	0 ⇔ 255	PAN FINE
3	0 ⇔ 255	TITL
4	0 ⇔ 255	TITL FINE
5	0 ⇔ 255	PT SPEED
6	0 ⇔ 255	INTENSIYT
7	0 ⇔ 255	HUE
8	0 ⇔ 255	HUE FINE
9	0 ⇔ 255	SATURATION
10		CCT
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 40	2700K
	41 ⇔ 80	3200K
	81 ⇔ 120	4200K
	121 ⇔ 160	5600K
	161 ⇔ 200	6500K
	201 ⇔ 255	8000K
11		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 SROBE
12	0 ⇔ 255	ZOOM

CHANNEL	VALUE	FUNCTION
13		CONTROL
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 19	PAN/TILTBLACK ACTIVATED
	20 ⇔ 29	PAN/TILTBLACK DEACTIVATED
	30 ⇔ 39	FAN SLOW
	40 ⇔ 49	FAN NORMAL
	50 ⇔ 59	FAN FAST
	60 ⇔ 69	FAN AUTO
	70 ⇔ 79	AUTO1
	80 ⇔ 89	AUTO2
	90 ⇔ 99	CUSTOM
	100 ⇔ 109	TEST
	110 ⇔ 119	RESET
	120 ⇔ 129	NO FUNCTION
	130 ⇔ 139	DIM0
	140 ⇔ 149	DIM1
	150 ⇔ 159	DIM2
	160 ⇔ 169	DIM3
	170 ⇔ 179	DIM4
	180 ⇔ 255	NO FUNCTION