

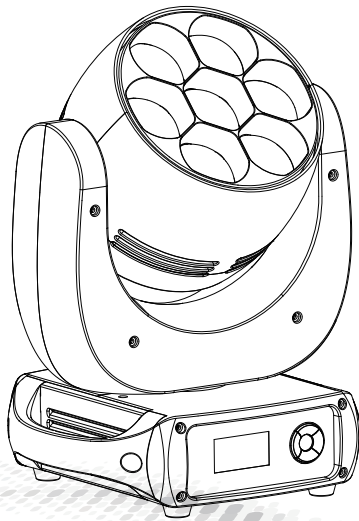
SNOW

Snow Frost Q7 Wash

USER MANUAL

SNOW

Snow Frost Q7 Wash



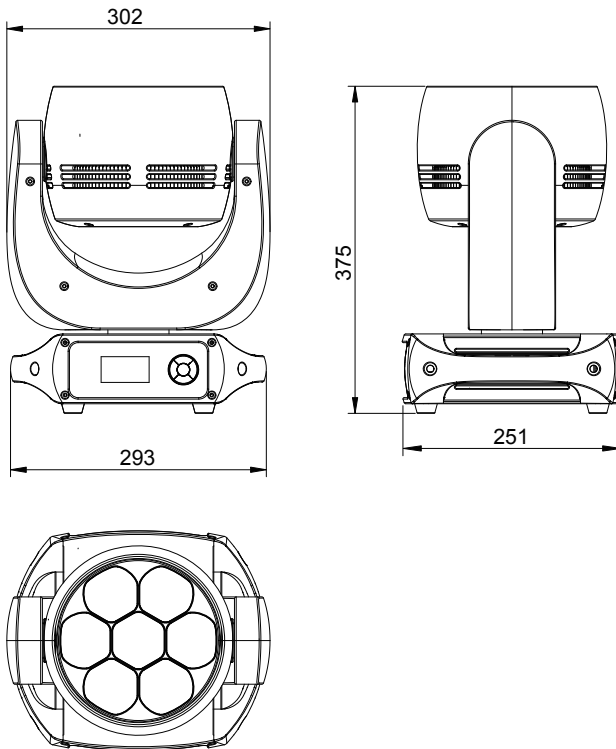
1 PRODUCT SPECIFICATIONS

1.1 PRODUCT SPECIFICATIONS

Electrical

- ◆ Voltage: 100V-240V~, 50/60Hz
- ◆ Max Power: 300W
- ◆ Size: 302x251x375mm
- ◆ Weight: 9.3kg

1.2 PRODUCT FEATURES



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.

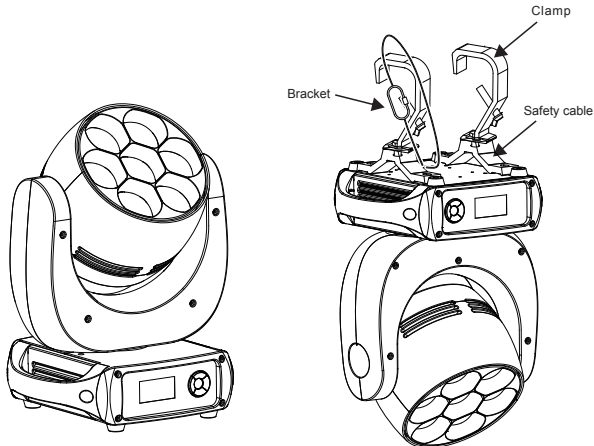


Caution, risk of electric shock.
The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

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.



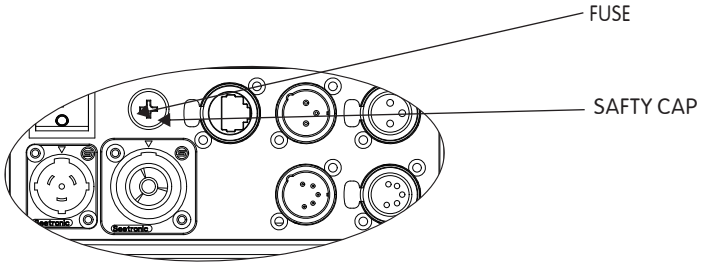
IMPORTANT SAFETY NOTE!!

Always use a safety cable when installing this unit!!

Be sure that the safety cable is connected to a solid load-bearing structure.

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

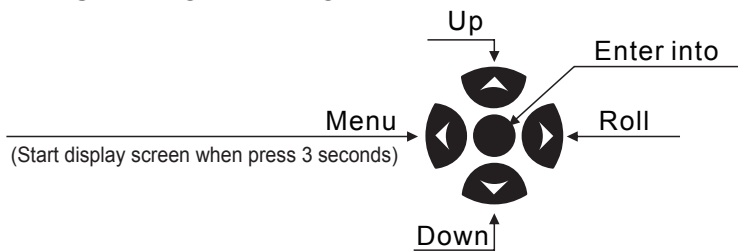
- 220~240V: 6 units may be connected in series
- 110~120V: 3 units may be connected in series

Note:

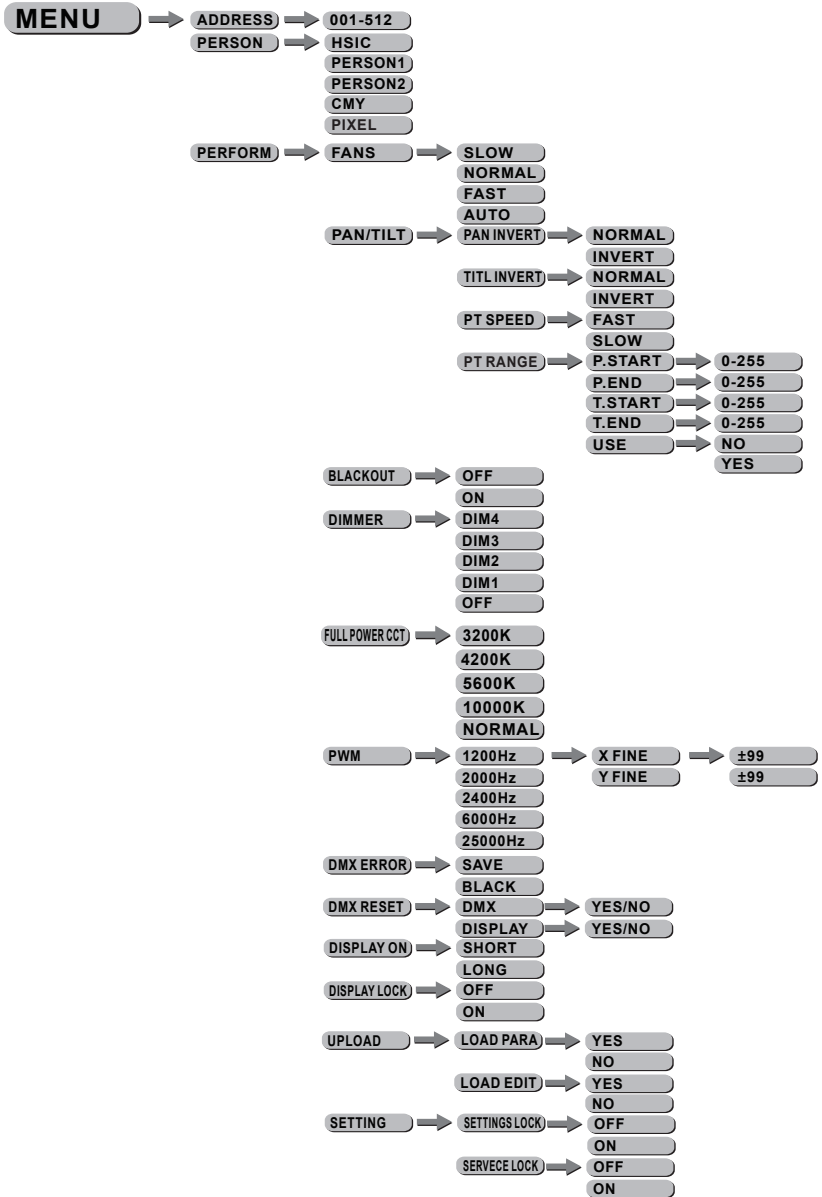
If the signal cable is over 60m between the DMX512 controller and fixture or between two fixtures, then a DMX signal amplifier is needed as well.

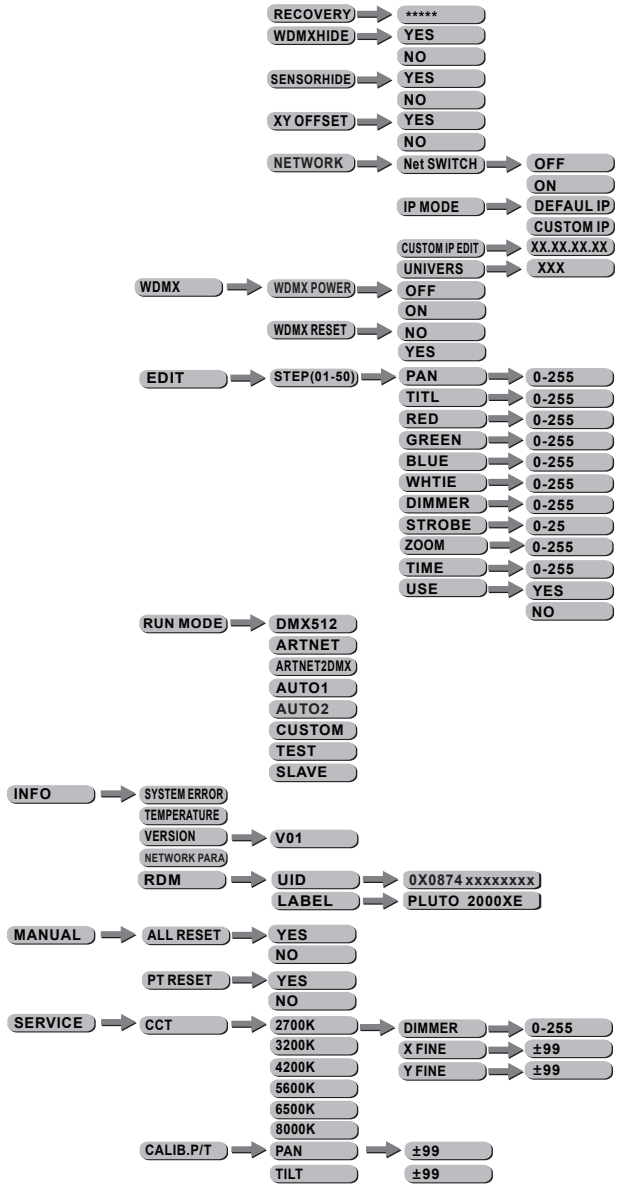
3 DISPLAY PANEL OPERATION

3.1 DISPLAY OPERATION



3.2 MENU MAP



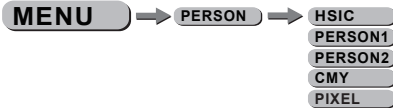


3.3 DMX512 SETTINGS



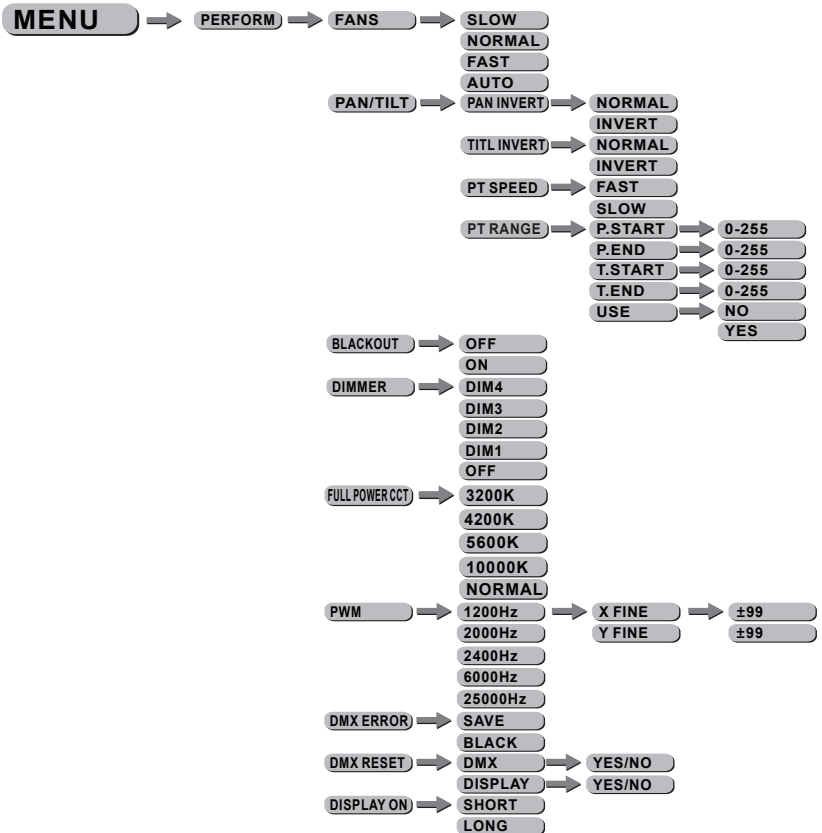
- Enter the **[DMX]** mode to set the DMX ADDRESS.

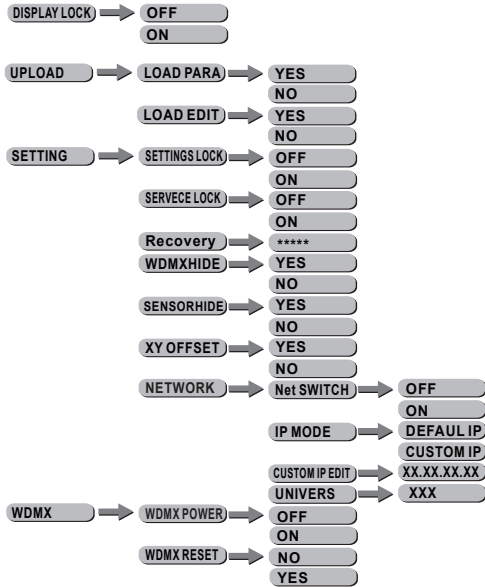
3.4 PERSONALITY



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

3.5 PERFORM

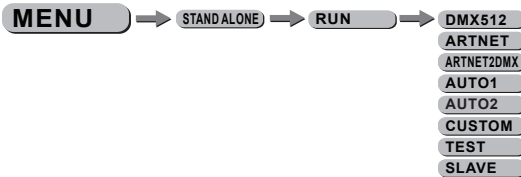




- **【FANS】** menu, select **【Slow/Norm/Fast/Auto】** as required fan speed.
 - **【PAN INVERT】** menu, select **【NORM/INVERT】** for normal/inverted control of the PAN function
 - **【TILT INVERT】** menu, select **【NORM/INVERT】** for normal/inverted control of the TILT function
 - **【PT SPEED】** menu, select **【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>.
 - **【PWM】** is PWM refresh rate bottom, press UP/DOWN to choose <1200Hz>, <2000Hz>, <2400Hz>, <6000Hz>, <25000Hz>
- Note: with refresh rate increased, gray rate of dimmer will be reduced

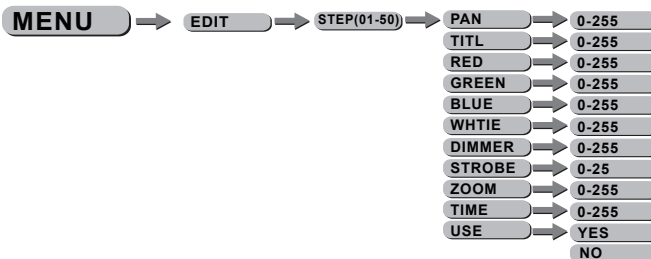
- **【DMXERROR】** menu, select **【SAVE】** to maintain last command in case of DMX error or **【BLACK】** for blackout
- **【DMXRESET】** menu, select **【DMX】** to allow remote reset using DMX controller or **【DISPLAY】** for reset only available at on-fixture display
- **【DISPLAY ON】** menu, select **【LONG/SHORT/DISPLAY LOCK】** 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】** .
- **【WDMXHIDE】** wireless is the hidden setting,select **【NO】** as nohidden, select **【YES】** as hidden
- **【SENSORHIDE】** is the hidden settings of XY correction function, select **【NO】** as not hidden, select **【YES】** as hidden,The default setting is **【YES】** .
- **【XY OFFSET】** is the setting to hide the fine adjustment of the refresh frequency, select **【NO】** as not hidden, select **【YES】** as hidden,The default setting is **【YES】** ;
- **【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
- **【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 **【STAND ALONE】** menu to select from **【DMX512/ARTNET/ARTNET2DMX/AUTO 1/AUTO 2/CUSTOM/TEST/SLAVE】** run modes

3.7 EDIT



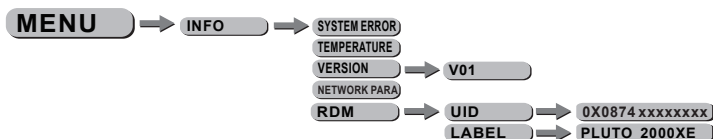
- Enter the **【EDIT】** mode to edit the custom programs by adjusting the value of **【PAN】** , **【TILT】** , **【RED】** , **【GREEN】** , **【BLUE】** , **【WHITE】** , **【DIMMER】** , **【STROBE】** , **【ZOOM】** , **【TIME】**
- Enter **【USE】** and select **【YES】** to run the steps user need.

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

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

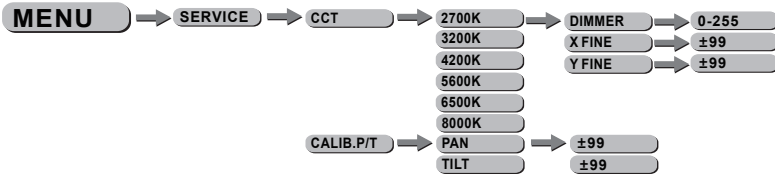
Choose **【LABEL】** check model name

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



- Press **ENTER** to enter the **CCT** color temperature adjustment, then press DOWN/UP key to select the value of color temperature under the full power **2700K** , **3200K** , **4200K** , **5600K** , **6500K** , **8000K** , you can press DOWN or UP to select **DIMMER** or **X FINE** or **Y FINE** , then select the value **0-255** or **±99** if you need to adjust the color temperature.
- Press **ENTER** to enter **CALIB.P/T** to do the color temperature reset setting, then select **PAN** or **TILT** , select the value **±99** .

4 USING A DMX512 CONTROLLER

4.1 CHANNEL ASSIGNMENT

● Note: This product have four DMX512 channel configuration: **【HSIC】** , **【PERSON1】** , **【PERSON2】** , **【CMY】** , **【PIXEL】** .

<u>HSIC</u>		
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
		CONTROL
	0 ↔ 9	NO FUNCTION
	10 ↔ 19	PAN/TILT BLACK ACTIVATED
	20 ↔ 29	PAN/TILT BLACK DEACTIVATED
	30 ↔ 39	FAN SLOW
	40 ↔ 49	FAN NORMAL
	50 ↔ 59	FAN FAST
	60 ↔ 69	FAN AUTO
	70 ↔ 79	AUTO1
13	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

PERSON1

CHANNEL	VALUE	FUNCTION
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	0 ↔ 5	NO FUNCTION
	6 ↔ 10	1
	11 ↔ 15	2
	16 ↔ 20	3
	21 ↔ 25	4
	26 ↔ 30	5
	31 ↔ 35	6
	36 ↔ 40	7
	41 ↔ 45	1,2
	46 ↔ 50	1,3
	51 ↔ 55	1,4
	56 ↔ 60	1,5
	61 ↔ 65	1,6
	66 ↔ 70	1,7
71 ↔ 75	2,3	
76 ↔ 80	4,5	

CHANNEL	VALUE	FUNCTION
9	81 ↔ 85	6,7
	86 ↔ 90	123
	91 ↔ 95	145
	96 ↔ 100	167
	101 ↔ 105	234
	106 ↔ 110	567
	111 ↔ 115	456
	116 ↔ 120	723
	121 ↔ 125	1234
	126 ↔ 130	1567
	131 ↔ 135	234567
	136 ↔ 140	ALL LED AT FULL OUTPUT
	141 ↔ 145	1→2→3→4→5→6→7 (clockwise)
	146 ↔ 150	7→6→5→4→3→2→1 (anticlockwise)
	151 ↔ 155	2,3→4, 5→6, 7
	156 ↔ 160	1,2,3→1, 4, 5→1, 6, 7
	161 ↔ 165	1→2, 3, 4, 5, 6, 7
	166 ↔ 170	2,3,4,5,6,7→1
	171 ↔ 175	RED-2700K
	176 ↔ 180	ORANGE-2700K
	181 ↔ 185	YELLOW-2700K
	186 ↔ 190	GREEN-2700K
	191 ↔ 195	CYAN-2700K
	196 ↔ 200	BLUE-2700K
	201 ↔ 205	MAGENTA-2700K
	206 ↔ 210	RED-2700K
	211 ↔ 215	RED-5600K
	216 ↔ 220	ORANGE-5600K
	221 ↔ 225	YELLOW-5600K
	226 ↔ 230	GREEN-5600K
231 ↔ 235	CYAN-5600K	
236 ↔ 240	BLUE-5600K	
241 ↔ 245	MAGENTA-5600K	
246 ↔ 255	RED-5600K	

CHANNEL	VALUE	FUNCTION
10	0 ↔ 255	AUTO SPEED (SLOW TO FAST)
11		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 SROBE
12	0 ↔ 255	ZOOM
13		CONTROL
	0 ↔ 9	NO FUNCTION
	10 ↔ 19	PAN/TILT BLACK ACTIVATED
	20 ↔ 29	PAN/TILT BLACK 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	

PERSON2

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	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% / 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	
17	0 ↔ 5	NO FUNCTION
	6 ↔ 10	1
	11 ↔ 15	2
	16 ↔ 20	3
	21 ↔ 25	4
	26 ↔ 30	5
	31 ↔ 35	6
	36 ↔ 40	7
	41 ↔ 45	1, 2
46 ↔ 50	1, 3	

通道	数值	控制功能
17	51 ↔ 55	1,4
	56 ↔ 60	1,5
	61 ↔ 65	1,6
	66 ↔ 70	1,7
	71 ↔ 75	2,3
	76 ↔ 80	4,5
	81 ↔ 85	6,7
	86 ↔ 90	123
	91 ↔ 95	145
	96 ↔ 100	167
	101 ↔ 105	234
	106 ↔ 110	567
	111 ↔ 115	456
	116 ↔ 120	723
	121 ↔ 125	1234
	126 ↔ 130	1567
	131 ↔ 135	234567
	136 ↔ 140	ALL LED AT FULL OUTPUT
	141 ↔ 145	1→2→3→4→5→6→7 (顺时针)
	146 ↔ 150	7→6→5→4→3→2→1 (逆时针)
	151 ↔ 155	2,3→4, 5→6, 7
	156 ↔ 160	1,2,3→1, 4, 5→1, 6, 7
	161 ↔ 165	1→2, 3, 4, 5, 6, 7
	166 ↔ 170	2,3,4,5,6,7→1
	171 ↔ 175	RED-2700K
	176 ↔ 180	ORANGE-2700K
	181 ↔ 185	YELLOW-2700K
	186 ↔ 190	GREEN-2700K
	191 ↔ 195	CYAN-2700K
	196 ↔ 200	BLUE-2700K
	201 ↔ 205	MAGENTA-2700K
	206 ↔ 210	RED-2700K
	211 ↔ 215	RED-5600K
216 ↔ 220	ORANGE-5600K	
221 ↔ 225	YELLOW-5600K	
226 ↔ 230	GREEN-5600K	
231 ↔ 235	CYAN-5600K	
236 ↔ 240	BLUE-5600K	
241 ↔ 245	MAGENTA-5600K	
246 ↔ 255	RED-5600K	

CHANNEL	VALUE	FUNCTION
18	0 ↔ 255	AUTO SPEED (SLOW TO FAST)
19		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
20	190 ↔ 255	RANDOM SROBE
	0 ↔ 255	ZOOM
21		CONTROL
	0 ↔ 9	NO FUNCTION
	10 ↔ 19	PAN/TILT BLACKACTIVATED
	20 ↔ 29	PAN/TILT BLACK 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	

CMY		
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	CYAN
7	0 ↔ 255	MAGENT
8	0 ↔ 255	YELLOW
9	0 ↔ 255	DIMMER
10		MARCOS
	0 ↔ 9	NO FUNCTION
	10 ↔ 29	CYAN 100% / MAGENTA UP / YELLOW 0%
	30 ↔ 49	CYAN DOWN / MAGENTA 100% / YELLOW 0%
	50 ↔ 69	CYAN 0% / MAGENTA 100% / YELLOW UP
	70 ↔ 89	CYAN 0% / MAGENTA DOWN / YELLOW 100%
	90 ↔ 109	CYAN UP / MAGENTA 0% / YELLOW 100%
	110 ↔ 129	CYAN 100% /MAGENTA 0%/YELLOW DOWN
	130 ↔ 149	CYAN 100%/MAGENTA UP/YELLOW 0%
	150 ↔ 189	NO FUNCTION
	190 ↔ 199	2700K
	200 ↔ 209	3200K
	210 ↔ 219	4200K
	220 ↔ 229	5600K
	230 ↔ 239	6500K
240 ↔ 255	8000K	
11	0 ↔ 5	NO FUNCTION
	6 ↔ 10	1
	11 ↔ 15	2
	16 ↔ 20	3
	21 ↔ 25	4
	26 ↔ 30	5
	31 ↔ 35	6
	36 ↔ 40	7
	41 ↔ 45	1,2
	46 ↔ 50	1,3
	51 ↔ 55	1,4
	56 ↔ 60	1,5
	61 ↔ 65	1,6
	66 ↔ 70	1,7
	71 ↔ 75	2,3
	76 ↔ 80	4,5
	81 ↔ 85	6,7
86 ↔ 90	123	
91 ↔ 95	145	

CHANNEL	VALUE	FUNCTION
11	96 ↔ 100	167
	101 ↔ 105	234
	106 ↔ 110	567
	111 ↔ 115	456
	116 ↔ 120	723
	121 ↔ 125	1234
	126 ↔ 130	1567
	131 ↔ 135	234567
	136 ↔ 140	ALL LED AT FULL OUTPUT
	141 ↔ 145	1→2→3→4→5→6→7 (顺时针)
	146 ↔ 150	7→6→5→4→3→2→1 (逆时针)
	151 ↔ 155	2,3→4, 5→6, 7
	156 ↔ 160	1,2,3→1, 4, 5→1, 6, 7
	161 ↔ 165	1→2, 3, 4, 5, 6, 7
	166 ↔ 170	2,3,4,5,6,7→1
	171 ↔ 175	RED-2700K
	176 ↔ 180	ORANGE-2700K
	181 ↔ 185	YELLOW-2700K
	186 ↔ 190	GREEN-2700K
	191 ↔ 195	CYAN-2700K
	196 ↔ 200	BLUE-2700K
	201 ↔ 205	MAGENTA-2700K
	206 ↔ 210	RED-2700K
	211 ↔ 215	RED-5600K
	216 ↔ 220	ORANGE-5600K
	221 ↔ 225	YELLOW-5600K
	226 ↔ 230	GREEN-5600K
	231 ↔ 235	CYAN-5600K
236 ↔ 240	BLUE-5600K	
241 ↔ 245	MAGENTA-5600K	
246 ↔ 255	RED-5600K	

CHANNEL	VALUE	FUNCTION
12	0 ↔ 255	AUTO SPEED (SLOW TO FAST)
13		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 SROBE
14	0 ↔ 255	ZOOM
15		CONTROL
	0 ↔ 9	NO FUNCTION
	10 ↔ 19	PAN/TILT BLACK ACTIVATED
	20 ↔ 29	PAN/TILT BLACK 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	

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
	190 ↔ 255	RANDOM SROBE
8	0 ↔ 255	ZOOM
9		CONTROL
	0 ↔ 9	NO FUNCTION
	10 ↔ 19	PAN/TILT BLACK ACTIVATED
	20 ↔ 29	PAN/TILT BLACK 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
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