

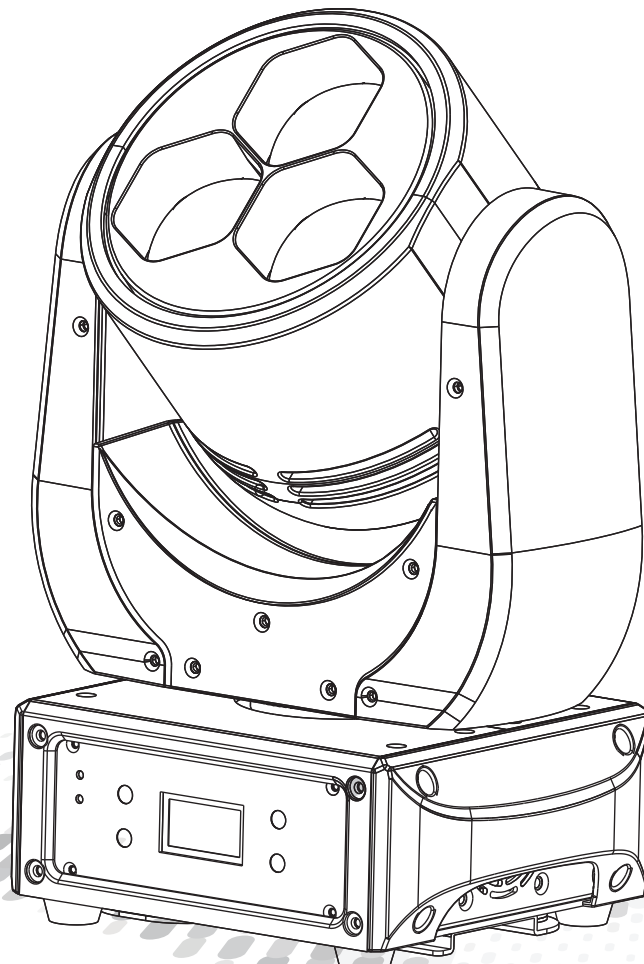
SHOWPRO

PLUTO 800

USER MANUAL

PLUTO 800

LEDMOV525



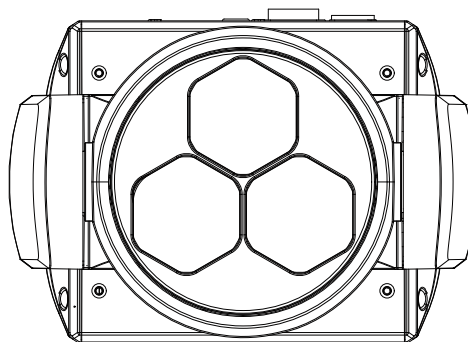
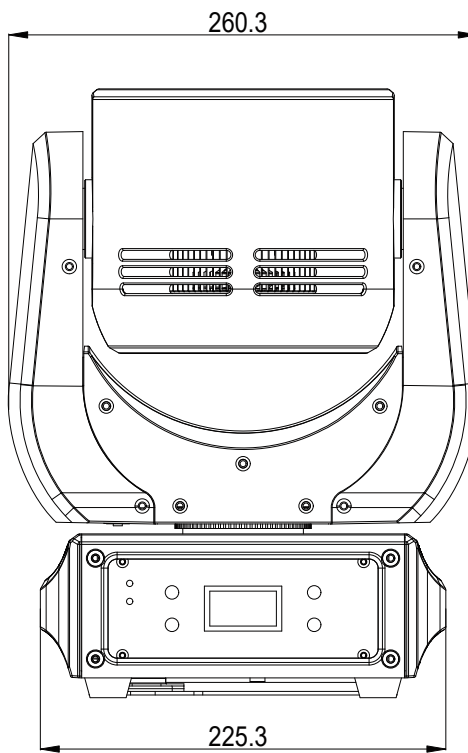
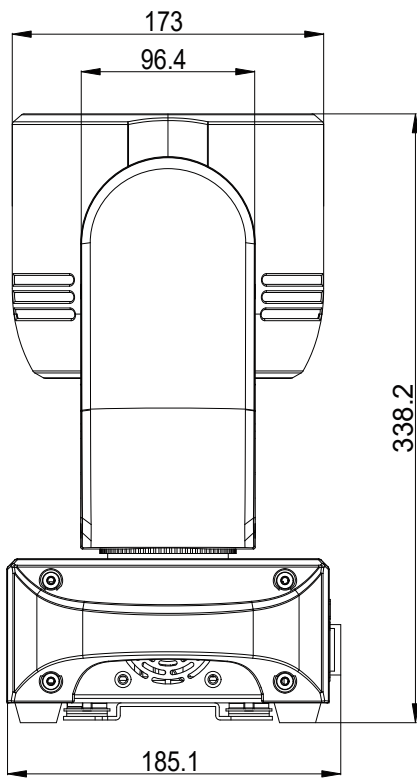
1 PRODUCT SPECIFICATIONS

1.1 PRODUCT SPECIFICATIONS

Electrical

- ◆ Voltage: AC100~240V, 50/60Hz
- ◆ Max Power: 140W
- ◆ Size: 338x260x185mm
- ◆ Weight: 6.2kg

1.2 PRODUCT FEATURES



1.3 SAFETY WARNING

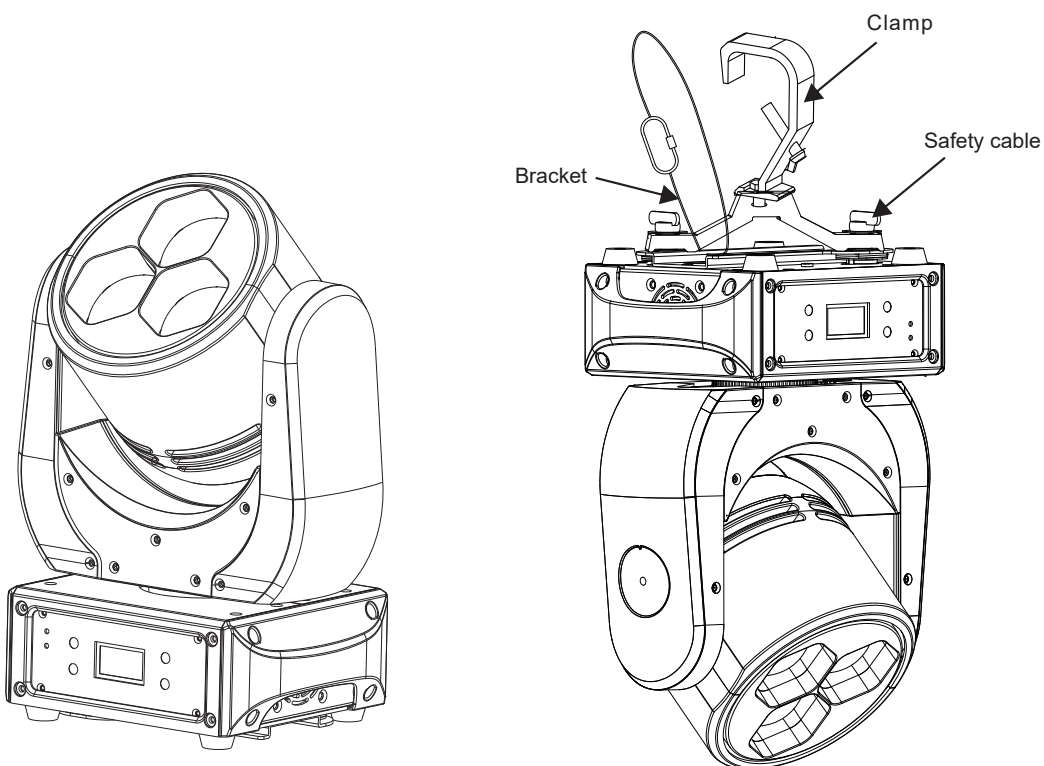
IMPORTANT:

- 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.
- Do not open the fixture or remove any cover. Refer any service operation not described in this manual to an authorized Show Technology Service Centre

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.
- Contact your ShowPRO supplier for assistance if you have any questions about how to install this product safely.



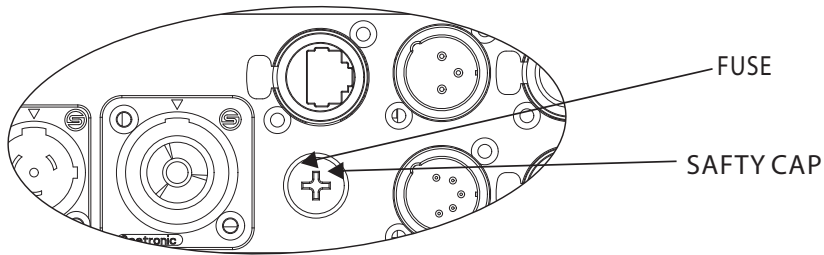
IMPORTANT SAFETY NOTE!!

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

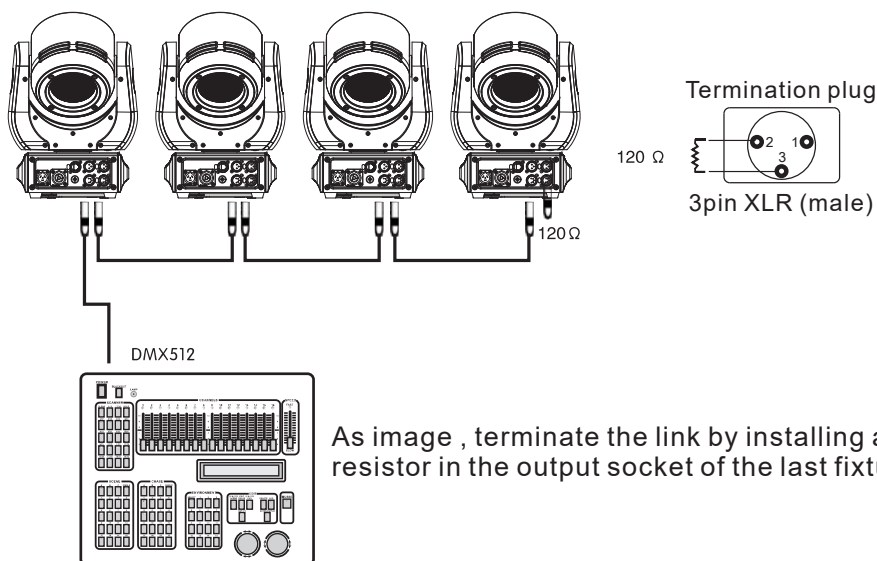
- 220~240V: 14 units may be connected in series
- 110~120V: 7 units may be connected in series

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.

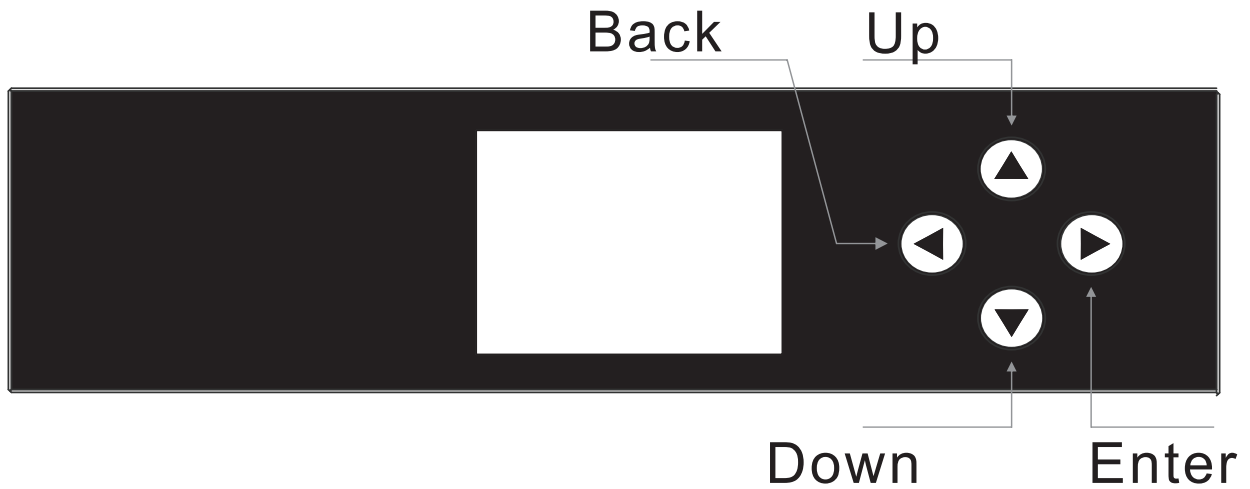
2.4 Connect main controller with several fixtures

When connect main controller with several fixtures , please Terminate the link by installing a termination plug in the output socket of the last fixture. The termination plug, which is a male XLR plug with a 120 Ohm, 0.25 Watt resistor soldered between pins 2 and 3, soaks up the control signal so it does not reflect and cause interference.



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.

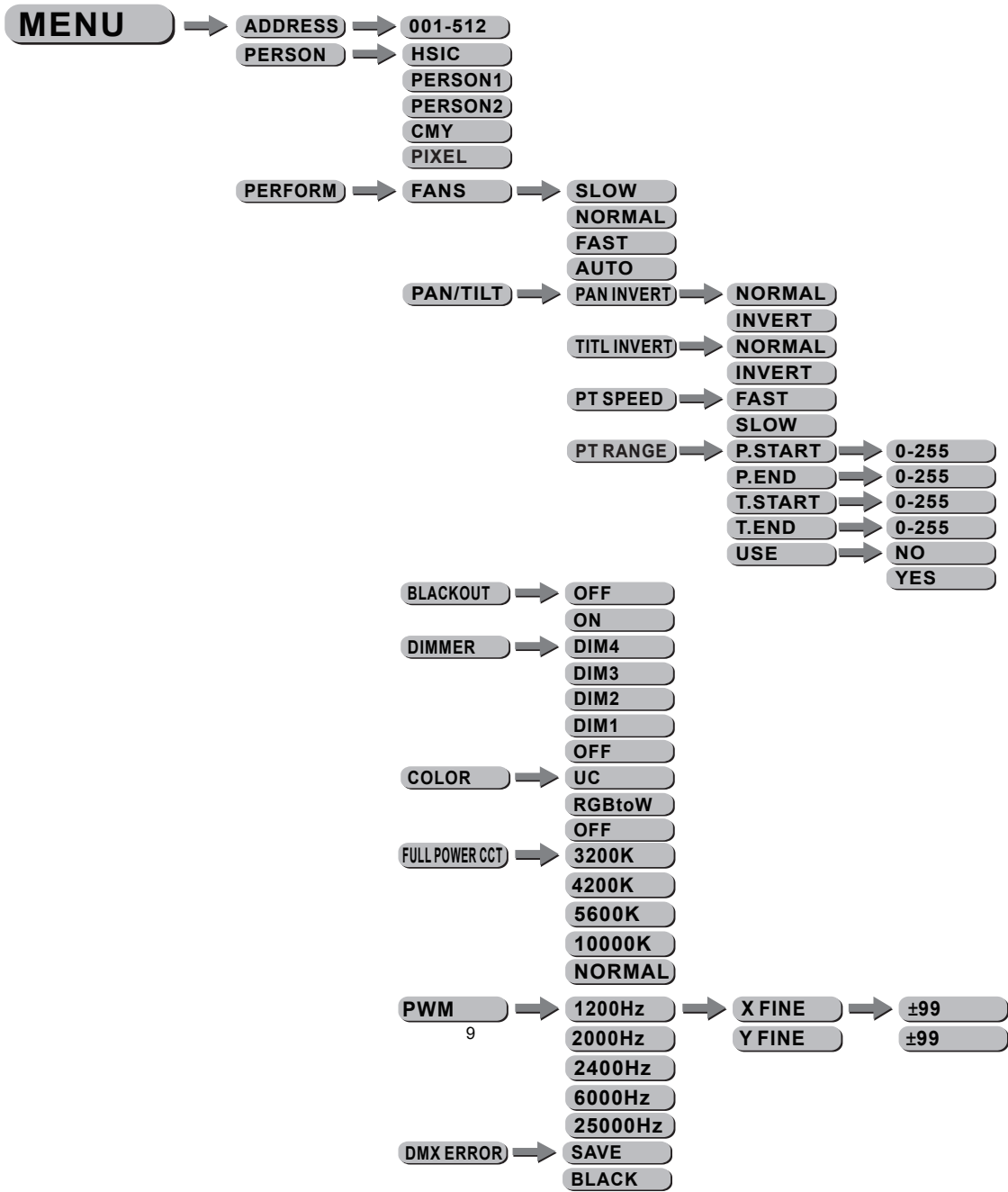
• <BACK> Scroll through the main menu or exit current function.

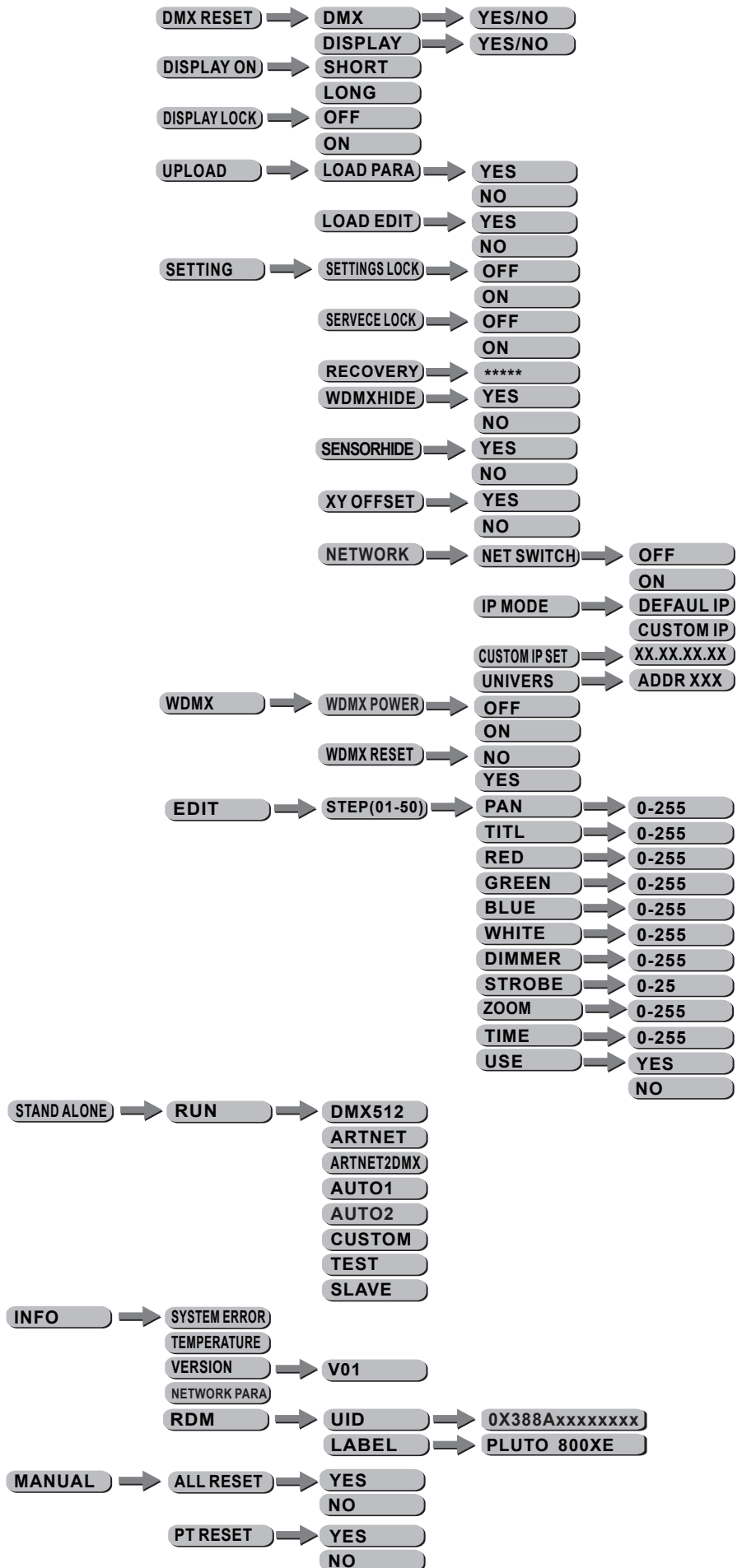
• <ENTER> Enter the currently selected menu or confirm the current function value.

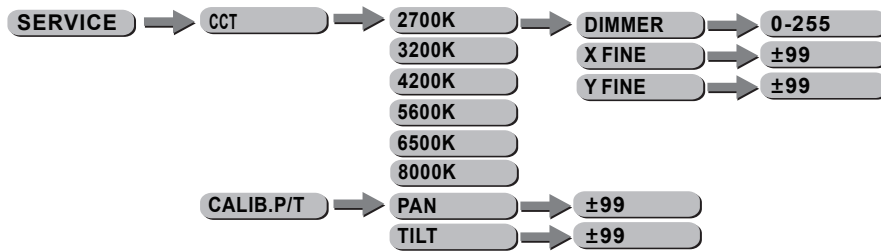
• To Unlock (Wake) the display:

1. Keep pressing BACK around 5 seconds, until the display shows password prompt
2. Press “<UP> <DOWN><UP><DOWN><ENTER>” to unlock.

3.2 MENU MAP





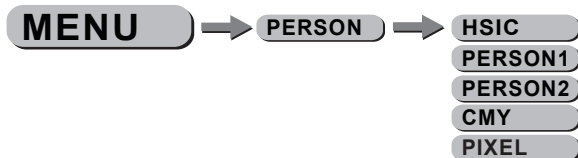


3.3 DMX512 SETTINGS



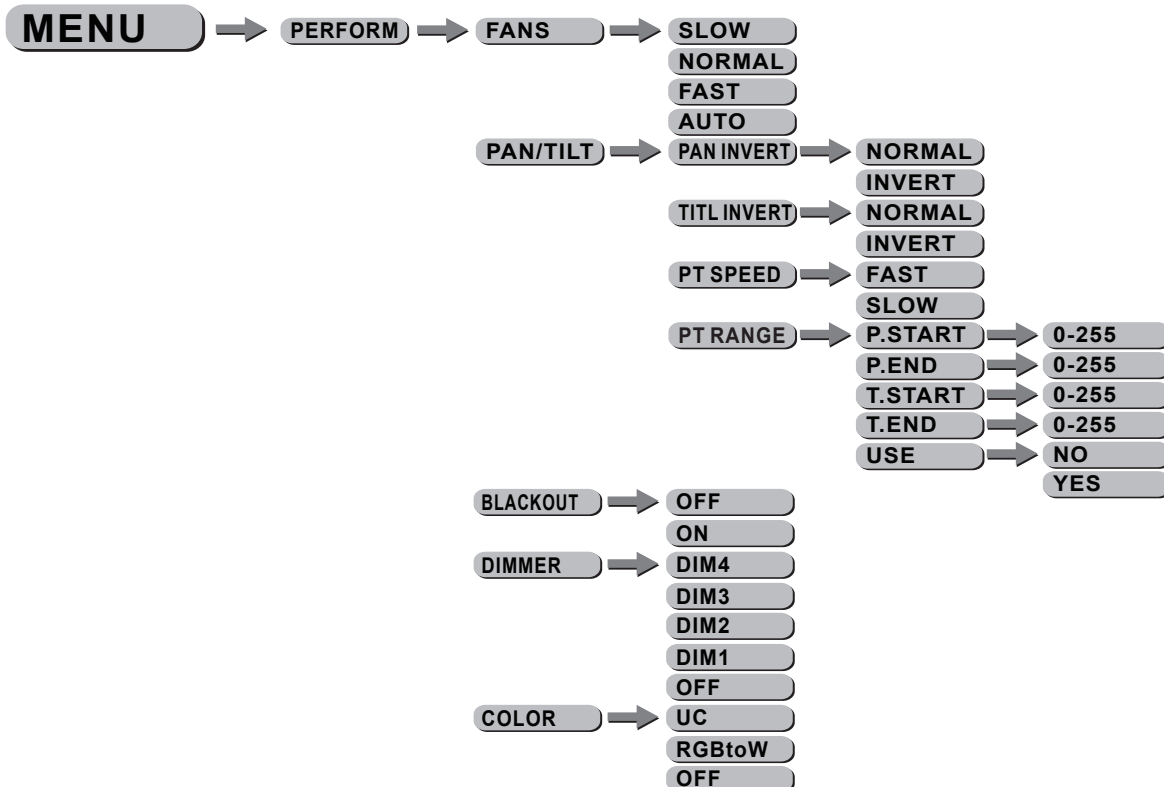
- Enter the **【DMX】** mode to set the DMX ADDRESS.

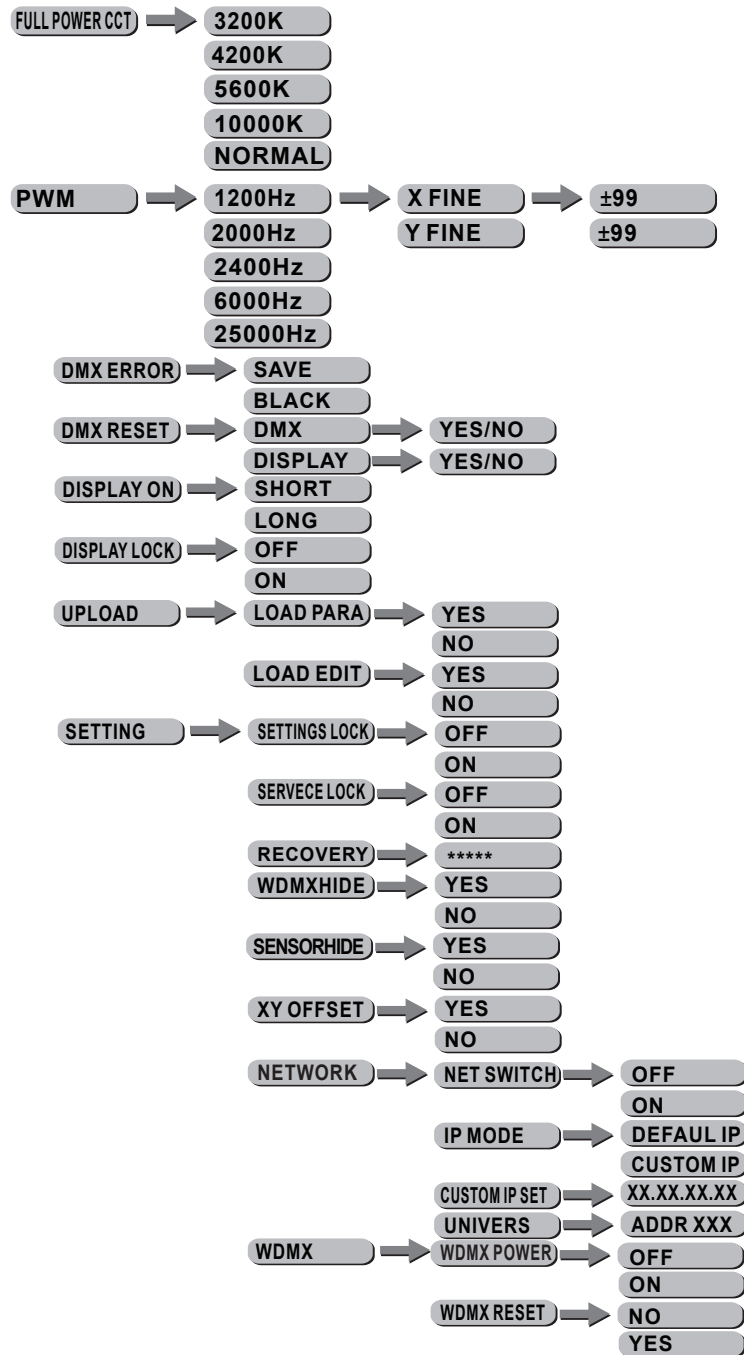
3.4 PERSONALITY



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

3.5 PERFORM

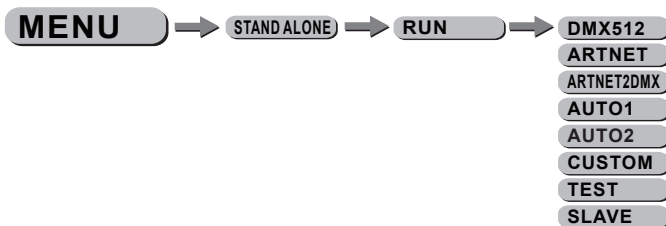




- **【FANS】** menu, select **【Slow/Norm/Fast/Auto】** as required fan speed.
- **【PAN INVERT】** menu, select **【NORM/INVERT】** for normal/inverted control of the PAN function
- **【TILT INVERT】** menu, select **【NORM/INVERT】** for normal/inverted control of the TILT function
- **【PT SPEED】** menu, select **【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

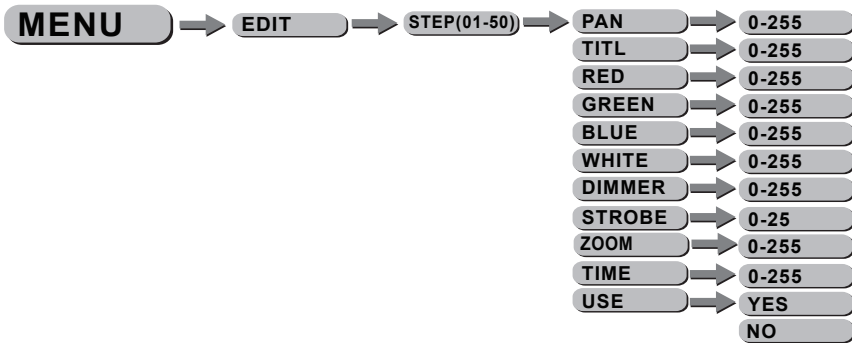
- **【COLOR】** is for activate/unactivate the color calibration functions. When [RGBtoW] is selected, on RGB = 255,255,255, the color is displayed as calibrated in Service -- RGBtoW. When [COLOR] is set [OFF], on RGB = 255,255,255, the RGB values are not adjusted and the output is most powerful. When [UC] is selected, the RGB output are adjusted to a standard preset universal color which balances fixtures from different generations.
- <PWM_RATE> is PWM refresh rate bottom, press UP/DOWN to choose <1200Hz>、<2000Hz>、<2400Hz>、<6000Hz>、<25000Hz>
- **【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 not hidden, 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



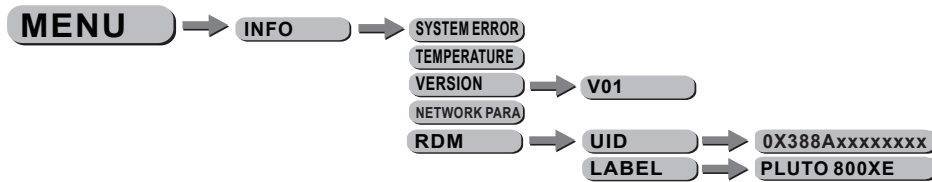
- Enter the **【STAND ALONE】** menu to select from **【DMX512/ARTNET/ARTNET2DMX/AUTO 1/AUTO 2/CUSTOM/TEST/SLAVE】** run modes

3.7 EDIT



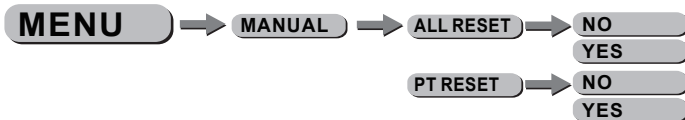
- Enter the **【EDIT】** mode to edit the custom programs by adjusting the value of **【PAN】** , **【TILT】** , **【RED】** , **【GREEN】** , **【BLUE】** , **【WHITE】** , **【DIMMER】** , **【STROBE】** , **【ZOOM】** , **【TIME】**
- Enter **【USE】** and select **【YES】** to run the steps user need.

3.8 INFO



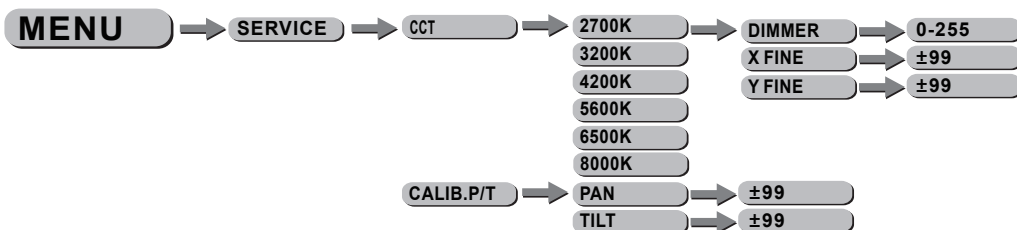
- push **【OK】** button into the information search mode in menu **【INFO】** , push **【up/down】** to choose item.
- Choose **【SYSTEM ERROR】** system data error .
- Choose **【TEMPERATURE】** LED working temperature
- Choose **【VERSION】** software version
- Choose **【NETWORK PARA】** check network specification
- 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】** .

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 (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

CHANNEL	VALUE	FUNCTION
		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
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		A SINGLE POINT
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 19	static 1
	20 ⇔ 29	static 2
	30 ⇔ 39	static 3
	40 ⇔ 49	static 4
	50 ⇔ 59	static 5
	60 ⇔ 69	static 6
	70 ⇔ 79	static ALL
	80 ⇔ 89	RING1 (CLOCKWISE)
	90 ⇔ 99	RING2 (ANTI-CLOCKWISE)
	100 ⇔ 109	RED-2700k
	110 ⇔ 119	ORANGE-2700K
	120 ⇔ 129	YELLOW-2700K
	130 ⇔ 139	GREEN-2700K
	140 ⇔ 149	CYAN-2700K
150 ⇔ 159	BLUE-2700K	

CHANNEL	VALUE	FUNCTION
9	160 ↔ 169	MAGENTA-2700K
	170 ↔ 179	RED-2700k
	180 ↔ 189	RED-5600K
	190 ↔ 199	ORANGE-5600K
	200 ↔ 209	YELLOW-5600K
	210 ↔ 219	GREEN-5600K
	220 ↔ 229	CYAN-5600K
	230 ↔ 239	BLUE-5600K
	240 ↔ 249	MAGENTA-5600K
	250 ↔ 255	RED-5600K
	10	0 ↔ 255
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		A SINGLE POINT
	0 ↔ 9	NO FUNCTION
	10 ↔ 19	static 1
	20 ↔ 29	static 2
	30 ↔ 39	static 3
	40 ↔ 49	static 4
	50 ↔ 59	static 5
	60 ↔ 69	static 6

CHANNEL	VALUE	FUNCTION
17	70 ↔ 79	static ALL
	80 ↔ 89	RING1 ☒☒☒
	90 ↔ 99	RING2逆☒☒
	100 ↔ 109	RED-2700k
	110 ↔ 119	ORANGE-2700K
	120 ↔ 129	YELLOW-2700K
	130 ↔ 139	GREEN-2700K
	140 ↔ 149	CYAN-2700K
	150 ↔ 159	BLUE-2700K
	160 ↔ 169	MAGENTA-2700K
	170 ↔ 179	RED-2700k
	180 ↔ 189	RED-5600K
	190 ↔ 199	ORANGE-5600K
	200 ↔ 209	YELLOW-5600K
	210 ↔ 219	GREEN-5600K
	220 ↔ 229	CYAN-5600K
	230 ↔ 239	BLUE-5600K
	240 ↔ 249	MAGENTA-5600K
	250 ↔ 255	RED-5600K
	18	0 ↔ 255
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
	190 ↔ 255	RANDOM SROBE
20	0 ↔ 255	ZOOM
21		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

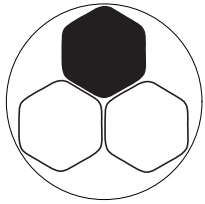
CMY

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		A SINGLE POINT
	0 ↔ 9	NO FUNCTION
	10 ↔ 19	static 1
	20 ↔ 29	static 2
	30 ↔ 39	static 3
	40 ↔ 49	static 4
	50 ↔ 59	static 5
	60 ↔ 69	static 6
	70 ↔ 79	static ALL
	80 ↔ 89	RING1 (CLOCKWISE)
	90 ↔ 99	RING2 (ANTI-CLOCKWISE)
	100 ↔ 109	RED-2700k
	110 ↔ 119	ORANGE-2700K
	120 ↔ 129	YELLOW-2700K
	130 ↔ 139	GREEN-2700K
	140 ↔ 149	CYAN-2700K
150 ↔ 159	BLUE-2700K	

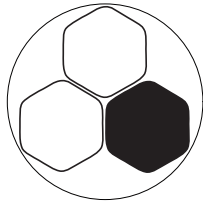
CHANNEL	VALUE	FUNCTION
11	160 ↔ 169	MAGENTA-2700K
	170 ↔ 179	RED-2700k
	180 ↔ 189	RED-5600K
	190 ↔ 199	ORANGE-5600K
	200 ↔ 209	YELLOW-5600K
	210 ↔ 219	GREEN-5600K
	220 ↔ 229	CYAN-5600K
	230 ↔ 239	BLUE-5600K
	240 ↔ 249	MAGENTA-5600K
	250 ↔ 255	RED-5600K
12	0 ↔ 255	AUTO SPEED SLOW TO FAST
13		STROBE
	0 ↔ 9	NO FUNCTION
	10 ↔ 99	STROBE FROM (SLOD TO FAST , 0-25Hz)
	100 ↔ 109	NO FUNCTION
	110 ↔ 179	LIGHTNING STROBE
	180 ↔ 189	NO FUNCTION
14	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 effect function

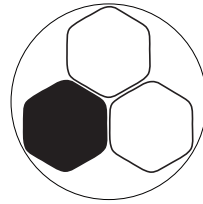
After reset , the fixture head direction is the position of 1-3 LED chips



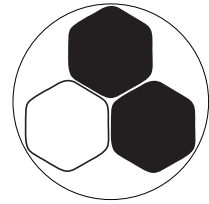
STATIC 1



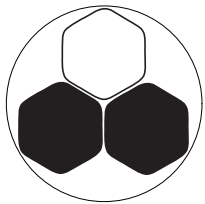
STATIC 2



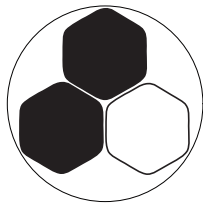
STATIC 3



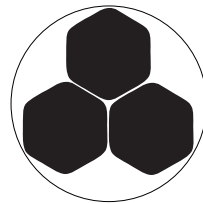
STATIC 4



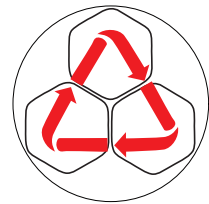
STATIC 5



STATIC 6



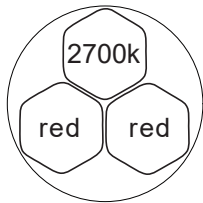
STATIC ALL



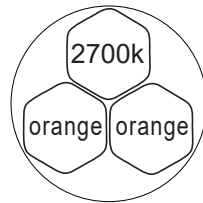
RING1



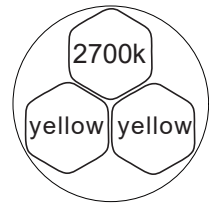
RING2



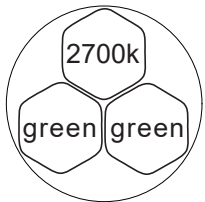
RED-2700K



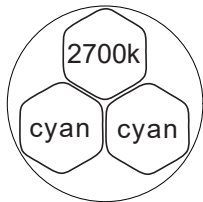
ORANGE-2700K



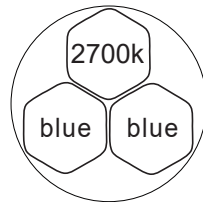
YELLOW-2700K



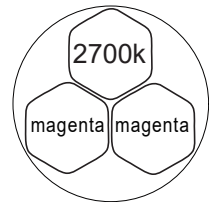
GREEN-2700K



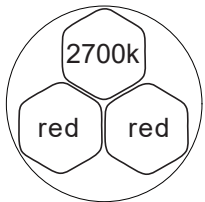
CYAN-2700K



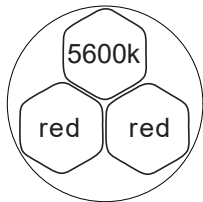
BLUE-2700K



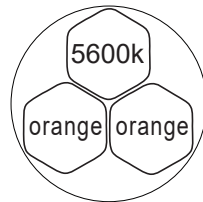
MAGENTA-2700K



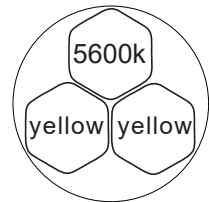
RED-2700k



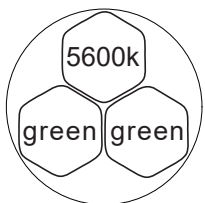
RED-5600K



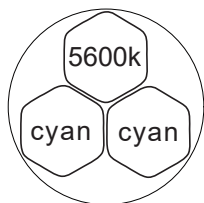
ORANGE-5600K



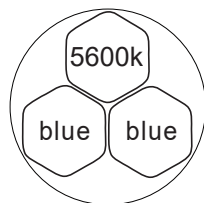
YELLOW-5600K



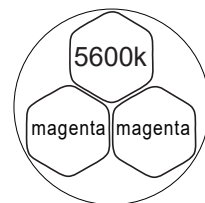
GREEN-5600K



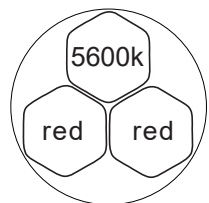
CYAN-5600K



BLUE-5600K



MAGENTA-5600K



RED-5600K

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	THUNDER STROBE FROM SLOD TO FAST
	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