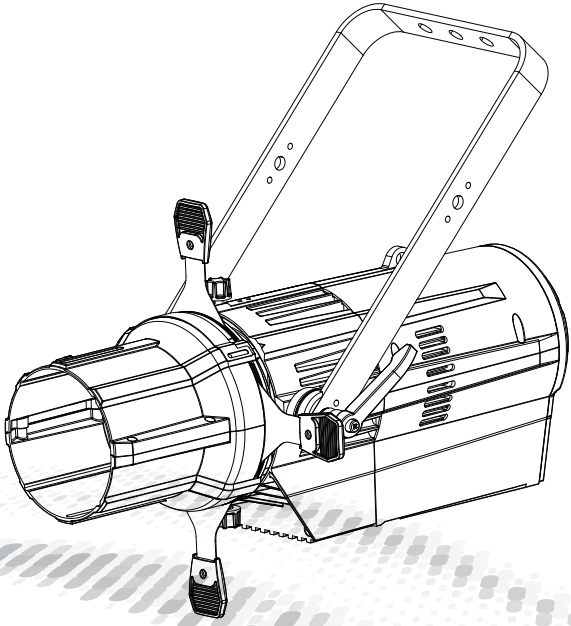
SNOW

STAGE Ellipsoidal
USER MANUAL

SNOW STAGE Ellipsoidal



1 PRODUCT SPECIFICATIONS

1.1 PRODUCT SPECIFICATIONS

◆Voltage:100-240V~，50/60Hz

◆Max Power:300W

◆ Size:600×370×370mm

◆ Weight:8.3kg(without lens tube)

1.2 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.

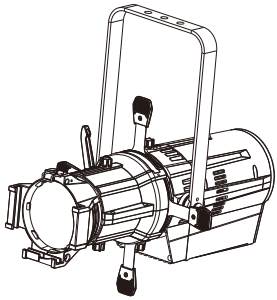
Caution, risk of electric shock
The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

2 INSTALLATION

2.1 MOUNTING

HANGING

The LED fixture can be mounted in a hanging position using the supporting bracket. The bracket should be secured to the mounting truss or structure using a standard mounting clamp. Please note that when hanging the unit a safety cable should also be used.



NOTE	**The LED MODULE can be mounted at any angle and in any position. It is possible to further adjust the angle of the LED MODULE using the two adjustment knobs located on the side of the fixture.**

2.2 POWER CONNECTIONS

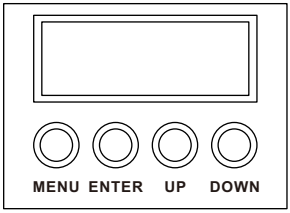
- 220~240V: 7 units may be connected in series
- 110~120V: 3units may be connected in series

Note:

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

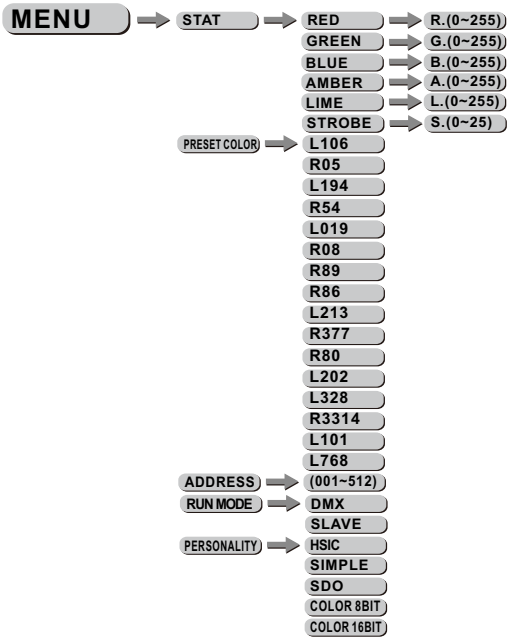
3 DISPLAY PANEL OPERATION

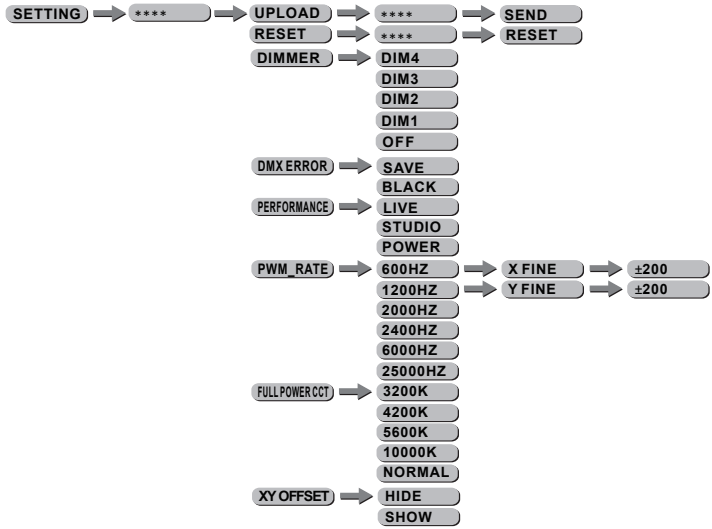
3.1 DISPLAY OPERATION

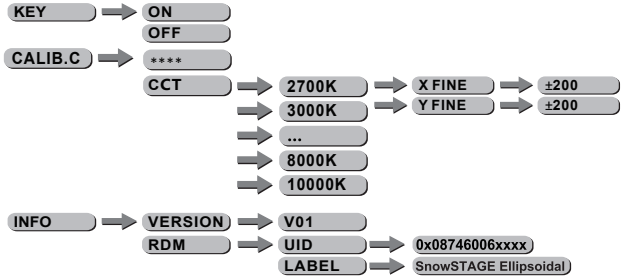


- ◆ MENU：BACK；
- ◆ ENTER：ENTER OR SAVE；
- ◆ DOWN：DOWN；
- ◆ UP：UP；

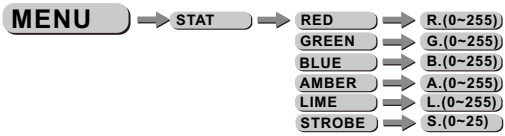
3.2 MENU MAP




SETTING
****
UPLOAD
****
SEND
RESET
****
RESET
DIMMER
DIM4
DIM3
DIM2
DIM1
OFF
DMX ERROR
SAVE
BLACK
PERFORMANCE
LIVE
STUDIO
POWER
PWM_RATE
600HZ
X FINE
±200
1200HZ
Y FINE
±200
2000HZ
2400HZ
6000HZ
25000HZ
FULL POWER CCT
3200K
4200K
5600K
10000K
NORMAL
XY OFFSET
HIDE
SHOW

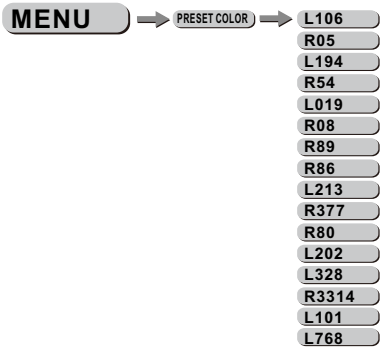

KEY
ON
OFF
CALIB.C
****
CCT
2700K
X FINE
±200
3000K
Y FINE
±200
...
8000K
10000K
INFO
VERSION
V01
RDM
UID
0x08746006xxxx
LABEL
SnowSTAGE Ellipsoidal

3.3 EDIT STATIC COLOUR



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

3.4 MIX-COLOR SETTING



●Select 【ENTER】UP\DOMN from the 【PRESET COLOR】menu to choose different color mixture

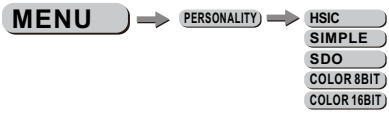
3.5 DMX512 SETTINGS

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

3.6 RUN MODE

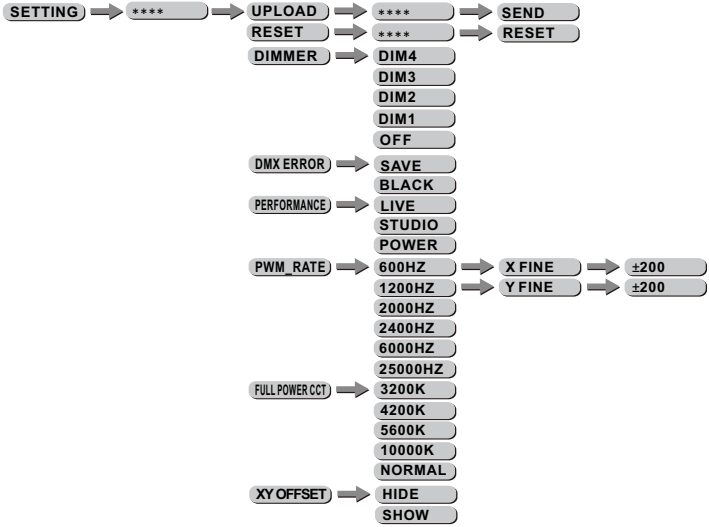
- Enter the【*RUN MODE* 】mode to set working mode.
- 【*DMX*】 mode is for using the DMX512 controller to control the fixtures.
- 【*SLAVE*】 mode is for Master -- Slave operation.

3.7 PERSONALITY



- Enter the【***PERSONALITY***】mode to select DMX mode:【HSIC】,【SIMPLE】【SDO】,【COLOR 8BIT】,【COLOR 16BIT】

3.8 SPECIAL SETTINGS



●[SETTING]...this menu allows the user to adjust key operation settings for this fixture.

● Select[UPLOAD] to upload the custom programs from the current MASTER unit to the SLAVE units.

● In order to reset custom modes to default values select [RESET] .

Note: [UC]\[RGBW]\[CALIB.C] can’t reset

● [*COLOR*] is for activate/unactivate the color calibration functions. When [*RGBW*] is selected, on RGB = 255,255,255, the color is displayed as calibrated in CALIB.C -- RGBW. When[*COLOR*] is set [*OFF*] , on RGB = 255,255,255, the RGBvalues are not adjusted and the output is most powerful.When [*UC*] is selected, the RGB output are adjusted to a standard preset universal color which balances fixtures from different generations.

Note: [COLOR]work only when choose [NORMAL]at [FULL POWER CCT]

● Select [DIM1], [DIM2], [DIM3] or [DIM4] for different dimming speeds. ([DIM4]is the slowest dimming speed)

● Select[SEND] to upload the custom programs from the current MASTER unit to the SLAVE units.

●[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.

●<PERFORMANCE>...this setting allows the user to select the performance characteristics of the fixture.

●<PWM_RATE> is PWM reflesh rate bottom, press UP/DOWN to choose <600Hz>、<1200Hz>、<2000Hz>、<2400Hz>、<6000Hz>、<25000Hz>

Note: with reflesh rate increased, gray rate of dimmer will be reduced, (that's means high reflesh rate, low gray rate), when it's <4000Hz>,CV3 is invalid, when it's <25000Hz>,CV1 CV2 CV3 are invalid, so please lower PWM rate to increase gray rate in necessary.

●<FULL POWER CCT> is the color temperature choose bottom, press UP/DOWN to choose, under full power, <3200K>、<4200K>、<5600K> 、<10000K> can be chosen, when choose <COLOR>, <3200K>、<4200K>、<5600K> 、<10000K> are not work, but choose <NORMAL>.

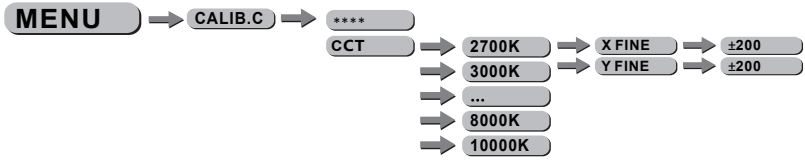
●<XY OFFSET> is XY offset settings, HIDE is hidden, SHOW is on.When SHOW is turn on,each frenquency of PWM RATE can enter the next menu to set the X FINE or Y FINE offset value ,the value range is ±200 ,this offset value will affects the CALIB.C.

3.9 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.

3.10 BALANCE PARAMETERS AND CORRECTION MENU DISPLAY



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

- Use 【DOWN】or 【UP】to select 【2700K~10000K】,then press 【ENTER】to enter the offset value after selecting X FINE or Y FINE ,the value range is ±200.

3.11 INFO

- Press【ENTER】and go to【 INFO】,you can check 【 VERSION】, press 【DOWN】/【UP】to check 【RDM】, 【LABEL】, press 【MENU】and back.

4 USING A DMX512 CONTROLLER

4.1 CHANNEL ASSIGNMENT

● Note: This product have four DMX512 channel configuration:
【HSIC】,【SIMPLE】,【SDO】,【COLOR 8BIT】,【COLOR 16BIT】.

HSIC

CHANNEL	VALUE	FUNCTION
1	0 ⇔ 255	INTENSITY
2	0 ⇔ 255	HUE
3	0 ⇔ 255	HUE FINE
4	0 ⇔ 255	SATURATION
5		CCT
	0 ⇔ 10	NO FUNCTION
	11 ⇔ 30	2700K
	31 ⇔ 50	3000K
	51 ⇔ 70	3200K
	71 ⇔ 90	3500K
	91 ⇔ 110	4000K
	111 ⇔ 130	4200K
	131 ⇔ 150	4500K
	151 ⇔ 170	5600K
	171 ⇔ 190	6000K
	191 ⇔ 210	6500K
	211 ⇔ 230	7200K
	231 ⇔ 255	8000K
6		STROBE
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 99	STROBE FROM（SLOW TO FAST，0-25Hz）
	100 ⇔ 109	NO FUNCTION
	110 ⇔ 179	THUNDER STROBE
	180 ⇔ 189	NO FUNCTION
	190 ⇔ 255	RANDOM SROBE
7		DIMMER SPEED
	0 ⇔ 9	NO FUNCTION (默认灯具的调光模式DIM4)
	10 ⇔ 29	OFF
	30 ⇔ 69	DIM1
	70 ⇔ 129	DIM2
	130 ⇔ 189	DIM3
	190 ⇔ 255	DIM4
8		DIMMER SPEED
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 80	LIVE
	81 ⇔ 160	STUDIO
	161 ⇔ 240	POWER
	241 ⇔ 255	NO FUNCTION

SIMPLE

CHANNEL	VALUE	FUNCTION
1	0 ⇔ 255	MASTER DIMMER
2	0 ⇔ 255	RED
3	0 ⇔ 255	GREEN
4	0 ⇔ 255	BLUE
5	0 ⇔ 255	AMBER
6	0 ⇔ 255	LIME
7		STROBE
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 99	STROBE FROM （SLOW TO FAST，0-25Hz）
	100 ⇔ 109	NO FUNCTION
	110 ⇔ 179	THUNDER STROBE
	180 ⇔ 189	NO FUNCTION
	190 ⇔ 255	RANDOM SROBE
8		FAN CONTROL
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 80	LIVE
	81 ⇔ 160	STUDIO
	161 ⇔ 240	POWER
	241 ⇔ 255	NO FUNCTION

SDO

CHANNEL	VALUE	FUNCTION
1	0 ⇔ 255	MASTER DIMMER
2		PRESET COLOR
	0 ⇔ 10	NO FUNCTION
	11 ⇔ 20	L106
	21 ⇔ 30	R05
	31 ⇔ 40	L194
	41 ⇔ 50	R54
	51 ⇔ 60	L019
	61 ⇔ 70	R08
	71 ⇔ 80	R89
	81 ⇔ 90	R86
	91 ⇔ 100	L213
	101 ⇔ 110	R377
	111 ⇔ 120	R80
	121 ⇔ 130	L202
	131 ⇔ 140	L328
	141 ⇔ 150	R3314
	151 ⇔ 160	L101
	161 ⇔ 170	L768
	171 ⇔ 255	NO FUNCTION
3		CCT
	0 ⇔ 10	NO FUNCTION
	11 ⇔ 30	2700K
	31 ⇔ 50	3000K
	51 ⇔ 70	3200K
	71 ⇔ 90	3500K
	91 ⇔ 110	4000K
	111 ⇔ 130	4200K
	131 ⇔ 150	4500K
	151 ⇔ 170	5600K
	171 ⇔ 190	6000K
	191 ⇔ 210	6500K
	211 ⇔ 230	7200K
	231 ⇔ 255	8000K

CHANNEL	VALUE	FUNCTION
4		STROBE
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 99	STROBE FROM （SLOW TO FAST，0-25Hz）
	100 ⇔ 109	NO FUNCTION
	110 ⇔ 179	THUNDER STROBE
	180 ⇔ 189	NO FUNCTION
	190 ⇔ 255	RANDOM SROBE
5		DIMMER SPEED
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 29	OFF
	30 ⇔ 69	DIM1
	70 ⇔ 129	DIM2
	130 ⇔ 189	DIM3
	190 ⇔ 255	DIM4
6		DIMMER SPEED
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 80	LIVE
	81 ⇔ 160	STUDIO
	161 ⇔ 240	POWER
	241 ⇔ 255	NO FUNCTION

COLOR 8BIT

CHANNEL	VALUE	FUNCTION
1	0 ⇔ 255	MASTER DIMMER
2	0 ⇔ 255	RED
3	0 ⇔ 255	GREEN
4	0 ⇔ 255	BLUE
5	0 ⇔ 255	AMBER
6	0 ⇔ 255	LIME
7		PRESET COLOR
	0 ⇔ 10	NO FUNCTION
	11 ⇔ 20	L106
	21 ⇔ 30	R05
	31 ⇔ 40	L194
	41 ⇔ 50	R54
	51 ⇔ 60	L019
	61 ⇔ 70	R08
	71 ⇔ 80	R89
	81 ⇔ 90	R86
	91 ⇔ 100	L213
	101 ⇔ 110	R377
	111 ⇔ 120	R80
	121 ⇔ 130	L202
	131 ⇔ 140	L328
	141 ⇔ 150	R3314
	151 ⇔ 160	L101
	161 ⇔ 170	L768
	171 ⇔ 255	NO FUNCTION
8		CCT
	0 ⇔ 10	NO FUNCTION
	11 ⇔ 30	2700K
	31 ⇔ 50	3000K
	51 ⇔ 70	3200K
	71 ⇔ 90	3500K
	91 ⇔ 110	4000K
	111 ⇔ 130	4200K
	131 ⇔ 150	4500K
	151 ⇔ 170	5600K
	171 ⇔ 190	6000K
	191 ⇔ 210	6500K
	211 ⇔ 230	7200K
	231 ⇔ 255	8000K

CHANNEL	VALUE	FUNCTION
9		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
10		DIMMER SPEED
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 29	OFF
	30 ⇔ 69	DIM1
	70 ⇔ 129	DIM2
	130 ⇔ 189	DIM3
	190 ⇔ 255	DIM4
11		DIMMER SPEED
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 80	LIVE
	81 ⇔ 160	STUDIO
	161 ⇔ 240	POWER
	241 ⇔ 255	NO FUNCTION

COLOR 16BIT

CHANNEL	VALUE	FUNCTION
1	0 ⇔ 255	MASTER DIMMER
2	0 ⇔ 255	MASTER DIMMER FINE
3	0 ⇔ 255	RED
4	0 ⇔ 255	RED FINE
5	0 ⇔ 255	GREEN
6	0 ⇔ 255	GREEN FINE
7	0 ⇔ 255	BLUE
8	0 ⇔ 255	BLUE FINE
9	0 ⇔ 255	AMBER
10	0 ⇔ 255	AMBER FINE
11	0 ⇔ 255	LIME
12	0 ⇔ 255	LIME FINE
13		PRESET COLOR
	0 ⇔ 10	NO FUNCTION
	11 ⇔ 20	L106
	21 ⇔ 30	R05
	31 ⇔ 40	L194
	41 ⇔ 50	R54
	51 ⇔ 60	L019
	61 ⇔ 70	R08
	71 ⇔ 80	R89
	81 ⇔ 90	R86
	91 ⇔ 100	L213
	101 ⇔ 110	R377
	111 ⇔ 120	R80
	121 ⇔ 130	L202
	131 ⇔ 140	L328
	141 ⇔ 150	R3314
	151 ⇔ 160	L101
	161 ⇔ 170	L768
	171 ⇔ 255	NO FUNCTION

CHANNEL	VALUE	FUNCTION
14		CCT
	0 ⇔ 10	NO FUNCTION
	11 ⇔ 30	2700K
	31 ⇔ 50	3000K
	51 ⇔ 70	3200K
	71 ⇔ 90	3500K
	91 ⇔ 110	4000K
	111 ⇔ 130	4200K
	131 ⇔ 150	4500K
	151 ⇔ 170	5600K
	171 ⇔ 190	6000K
	191 ⇔ 210	6500K
	211 ⇔ 230	7200K
	231 ⇔ 255	8000K
15		STROBE
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 99	STROBE FROM（SLOW TO FAST，0-25Hz）
	100 ⇔ 109	NO FUNCTION
	110 ⇔ 179	THUNDER STROBE
	180 ⇔ 189	NO FUNCTION
	190 ⇔ 255	RANDOM SROBE
16		DIMMER SPEED
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 29	OFF
	30 ⇔ 69	DIM1
	70 ⇔ 129	DIM2
	130 ⇔ 189	DIM3
	190 ⇔ 255	DIM4
17		DIMMER SPEED
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 80	LIVE
	81 ⇔ 160	STUDIO
	161 ⇔ 240	POWER
	241 ⇔ 255	NO FUNCTION