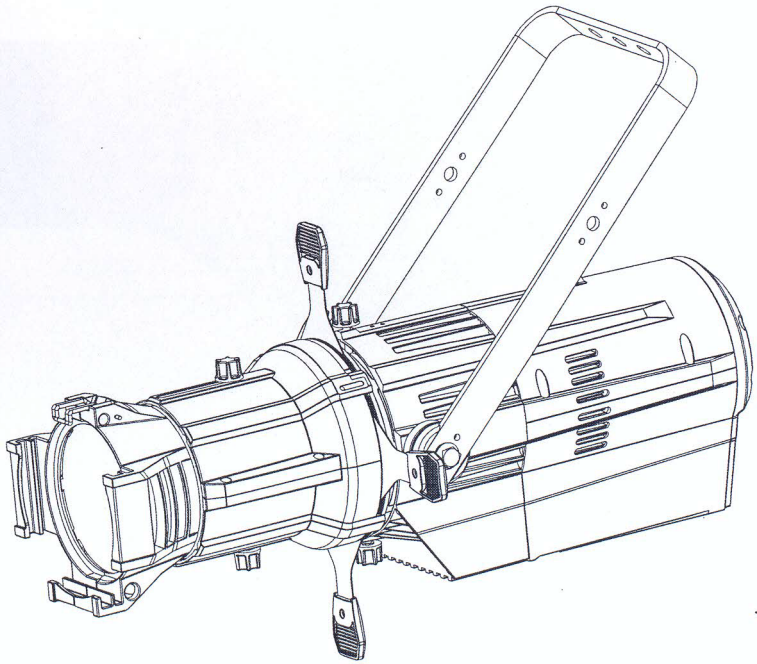
SHOWCO

LED PROFILE
1000 FULL COLOR
SH-LED1000FC



USER MANUAL

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	LIGHTNING STROBE
	180 ⇔ 189	NO FUNCTION
	190 ⇔ 255	RANDOM SROBE
16		DIMMER SPEED
	0 ⇔ 9	PRESET DIMMER SPEED FROM DISPLAY MENU
	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

1.2 SAFETY WARNING

IMPORTANT:

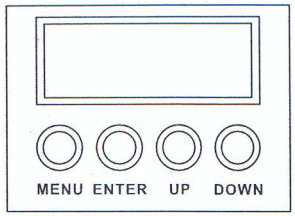
- This product must be installed by a qualified professional.
- All maintenance must be carried out by a qualified electrician.
- A minimum distance of 0.5m must be maintained between the equipment and a combustible surface.
- The product must always be operated in a well ventilated area.
- DO NOT stare 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.

www.carlosmendoza.com.mx

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	PRESET DIMMER SPEED FROM DISPLAY MENU
	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

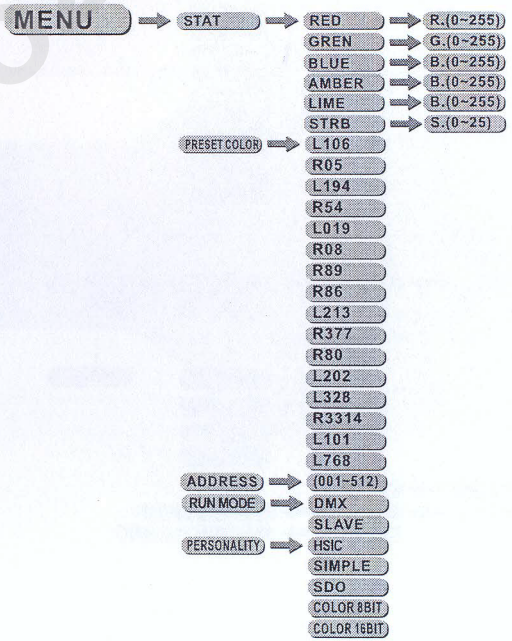
3 DISPLAY PANEL OPERATION

3.1 DISPLAY OPERATION



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

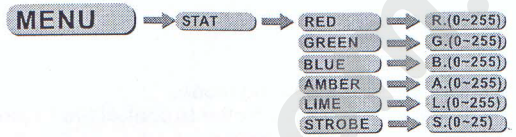
3.2 MENU MAP



www.carlosmendoza.com.mx

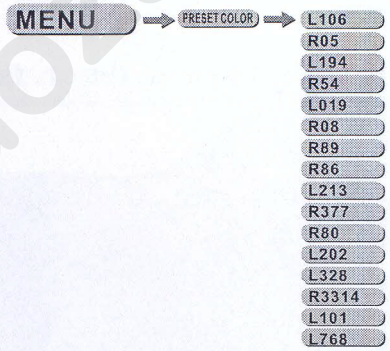
CHANNEL	VALUE	FUNCTION
4		STROBE
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 99	STROBE FROM (SLOW TO FAST , 0-25Hz)
	100 ⇔ 109	NO FUNCTION
	110 ⇔ 179	LIGHTNING STROBE
	180 ⇔ 189	NO FUNCTION
	190 ⇔ 255	RANDOM SROBE
5		DIMMER SPEED
	0 ⇔ 9	PRESET DIMMER SPEED FROM DISPLAY MENU
	10 ⇔ 29	OFF
	30 ⇔ 69	DIM1
	70 ⇔ 129	DIM2
	130 ⇔ 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

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

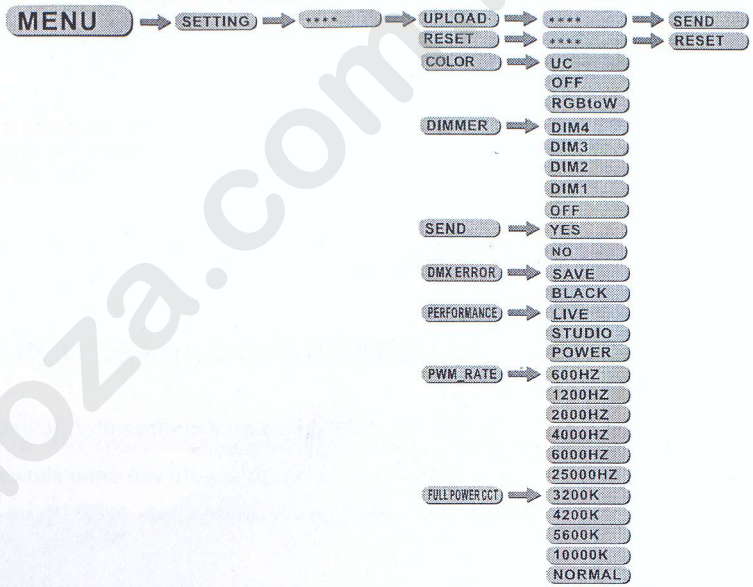
- Enter the 【ADDRESS】 mode to set the DMX ADDRESS.

www.carlosmendoza.com.mx

SIMPLE

CHANNEL	VALUE	FUNCTION
1	0 ⇔ 255	MASTER DIMMER
2	0 ⇔ 255	RED
3	0 ⇔ 255	GREEN
4	0 ⇔ 255	BLUE
5	0 ⇔ 255	LIME
6	0 ⇔ 255	AMBER
7		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
8		DIMMER SPEED
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 80	LIVE
	81 ⇔ 160	STUDIO
	161 ⇔ 240	POWER
	241 ⇔ 255	NO FUNCTION

3.9 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>、<4000Hz>、<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>.

www.carlosmendoza.com.mx

1 PRODUCT SPECIFICATIONS

1.1 PRODUCT SPECIFICATIONS

- ◆Voltage:AC100~240V，50/60Hz
- ◆Max Power:300W
- ◆ Size:600×370×370mm
- ◆ Weight:8.3kg(without lens tube)

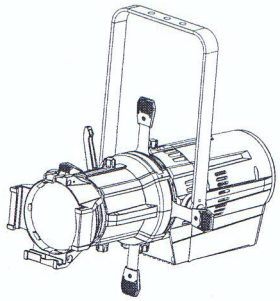
www.carlosmendoza.com.mx

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

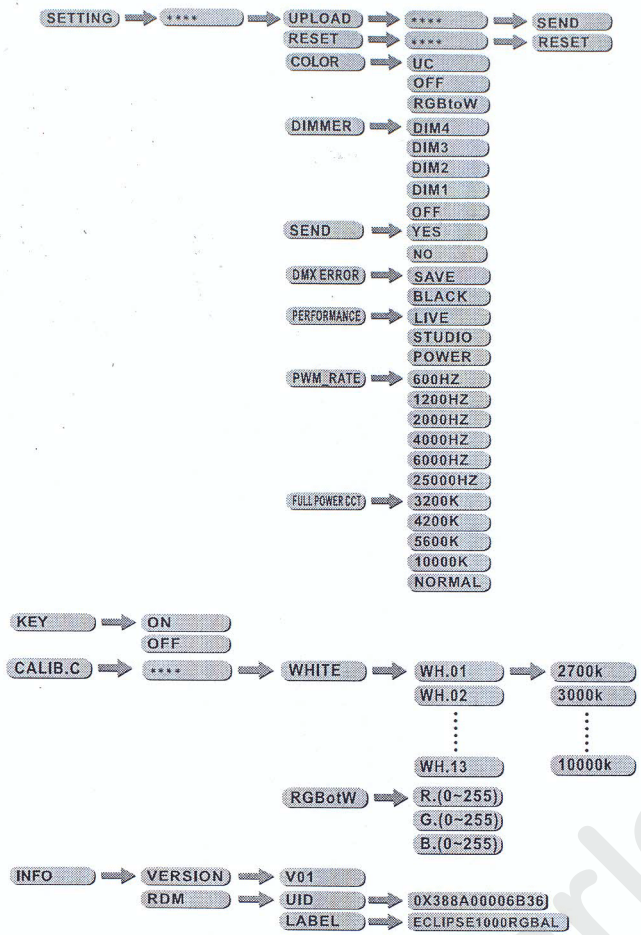
Note:

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.

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	LIME
10	0 ⇔ 255	LIME FINE
11	0 ⇔ 255	AMBER
12	0 ⇔ 255	AMBER 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

www.carlosmendoza.com.mx



COLOR 8BIT

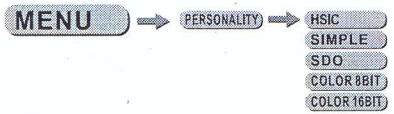
CHANNEL	VALUE	FUNCTION
1	0 ⟺ 255	MASTER DIMMER
2	0 ⟺ 255	RED
3	0 ⟺ 255	GREEN
4	0 ⟺ 255	BLUE
5	0 ⟺ 255	LIME
6	0 ⟺ 255	AMBER
7		PRESET COLOR
	0 ⟺ 10	NO FUNCTION
	11 ⟺ 20	L106
	21 ⟺ 30	R05
	31 ⟺ 40	L194
	41 ⟺ 50	R54
	51 ⟺ 60	L019
	61 ⟺ 70	R08
	71 ⟺ 80	R89
	81 ⟺ 90	R86
	91 ⟺ 100	L213
	101 ⟺ 110	R377
	111 ⟺ 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

www.carlosmendoza.com.mx

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】

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

www.carlosmendoza.com.mx

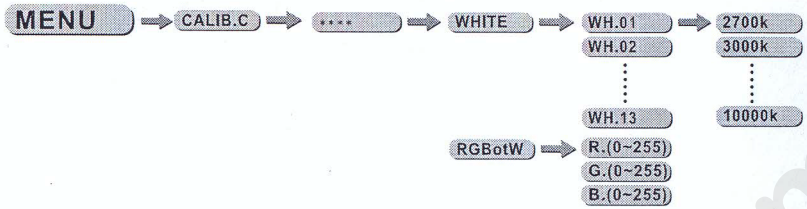
3.10 ACTIVATE THE PASSWORD

- 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 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



- Enter the 【CALIB.C】 to select white color of different color temperature.
- There are 13 pre-programmed White colors can be edited by using 【*RED*】, 【*GREEN*】, 【*BLUE*】, 【AMBER】. & 【LIME】.
- 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】.

3.12 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	LIGHTNING STROBE
	180 ⇔ 189	NO FUNCTION
	190 ⇔ 255	RANDOM SROBE
7		DIMMER SPEED
	0 ⇔ 9	PRESET DIMMER SPEED FROM DISPLAY MENU
	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

www.carlosmendoza.com.mx