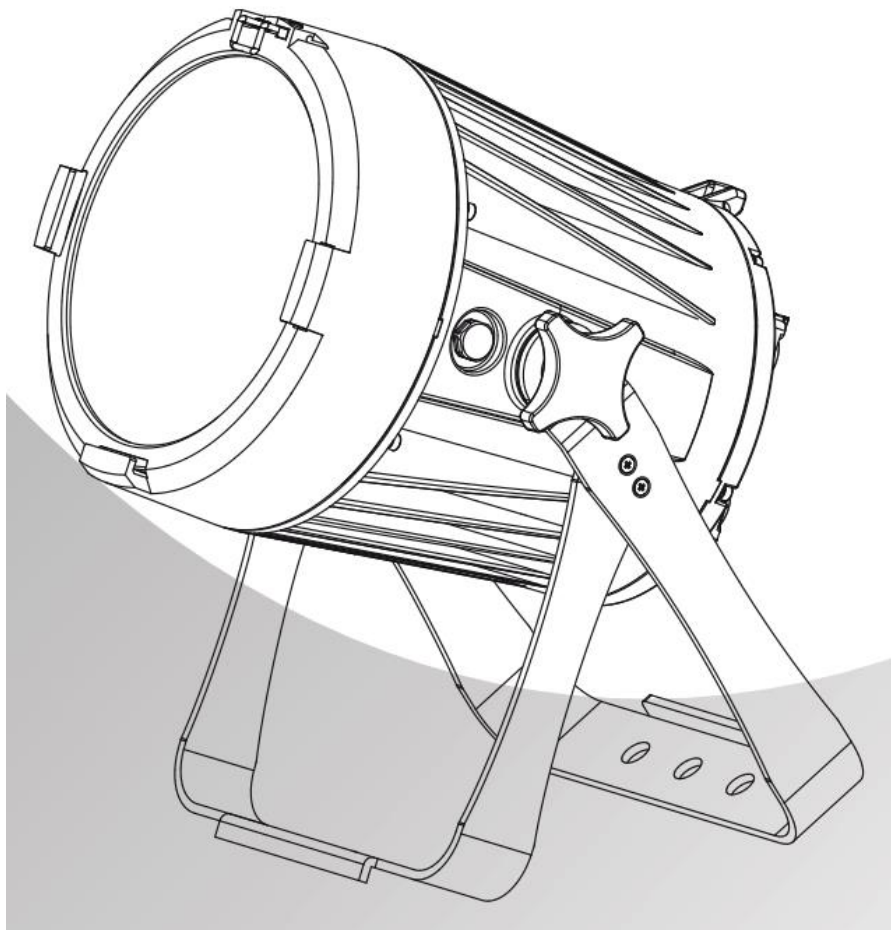


SHOWPRO

LED PixPar 3 IP65 RGBW Zoom

USER MANUAL

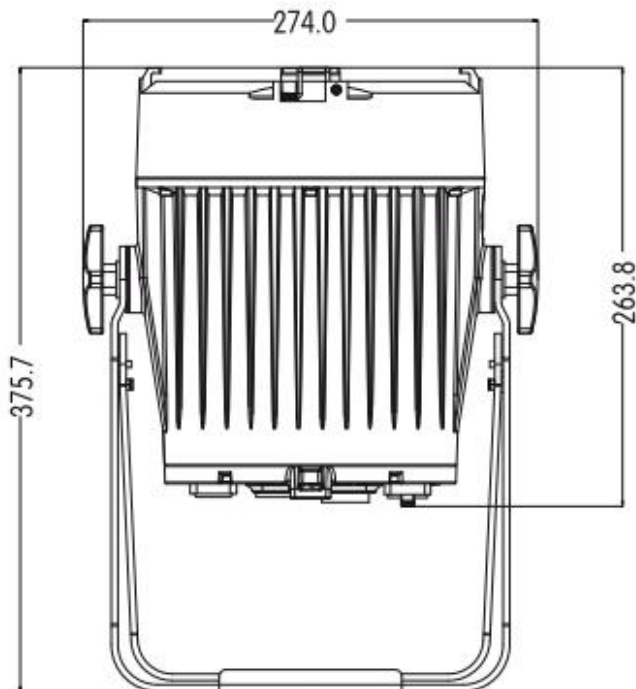
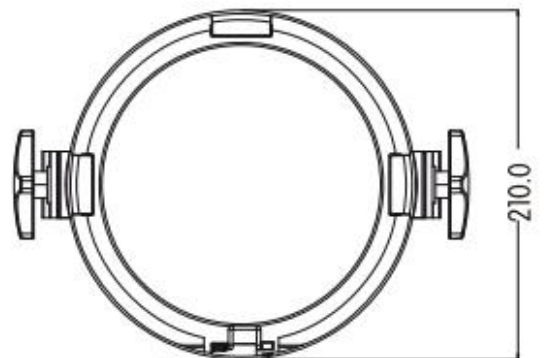
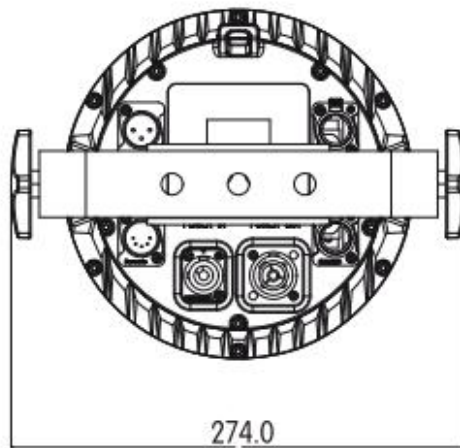
LEDPAR210



1 PRODUCT SPECIFICATIONS

1.1 Product Specifications

- Voltage: AC100~240V 50/60Hz
- Max Power: 130W
- Operation Temperature: -20°C ~45°C
- Size: 376 x 274 x 210mm
- Weight: 7.3kg



1.2 Safety Warning

IMPORTANT

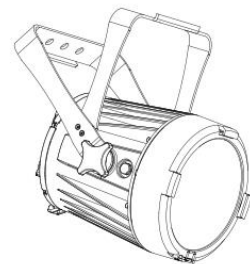
- This product must be installed by a qualified professional.
- All maintenance must be carried out by a qualified electrician.
- A minimum distance of 0.5m must be maintained between the equipment and a combustible surface.
- The product must always be operated in a well-ventilated area.
- DO NOT stare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

2 INSTALLATION

2.1 Mounting

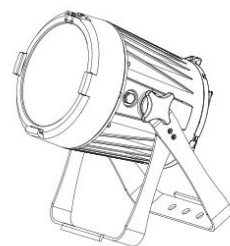
HANGING

The 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.



UPRIGHT

The fixture can be mounted in an upright or sitting position using the supporting brackets.



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

@ 220V: 15 units may be connected in series

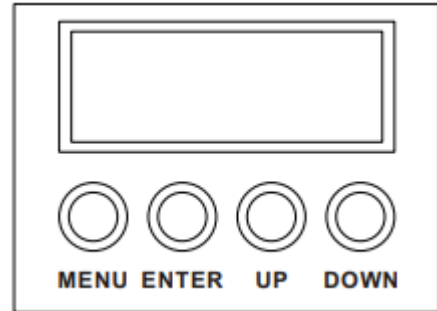
@110V: 7 units may be connected in series

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.

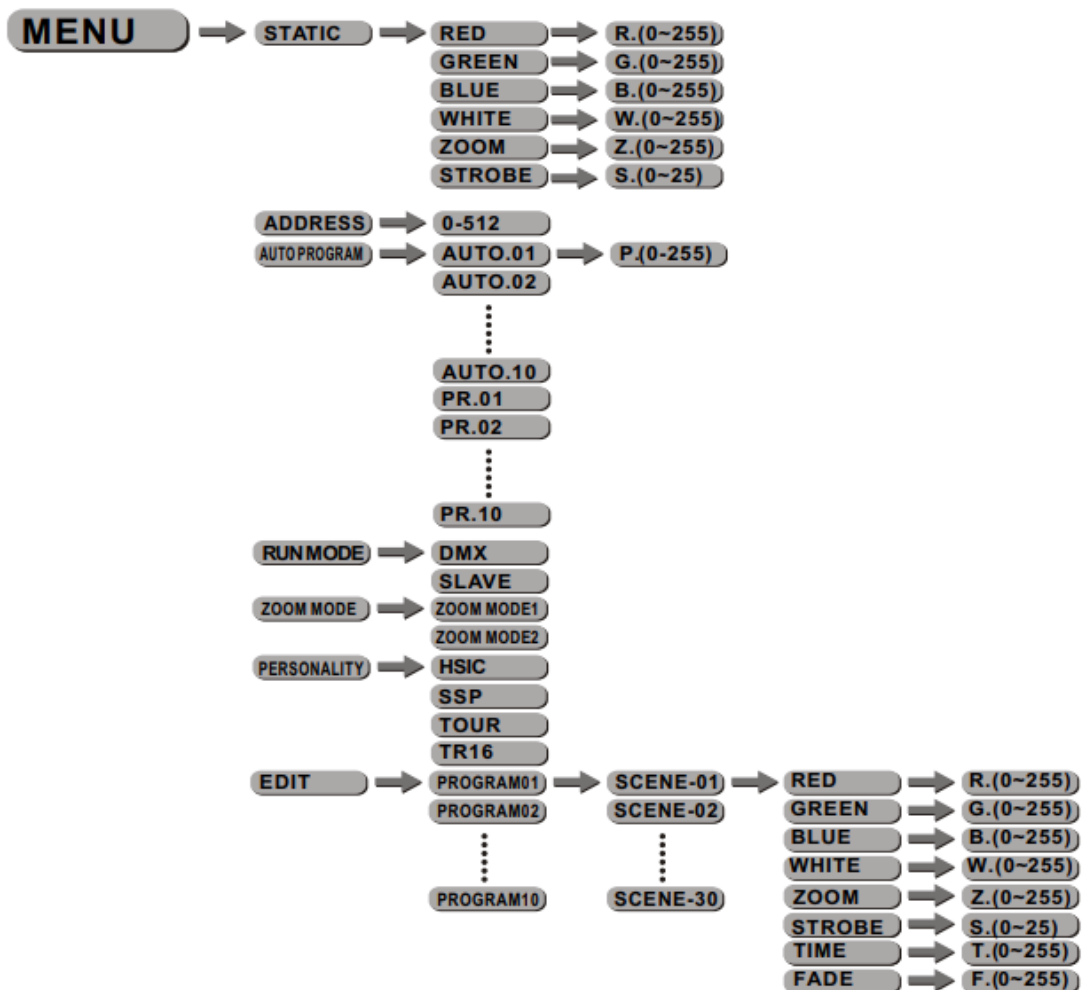
3 DISPLAY PANEL OPERATION

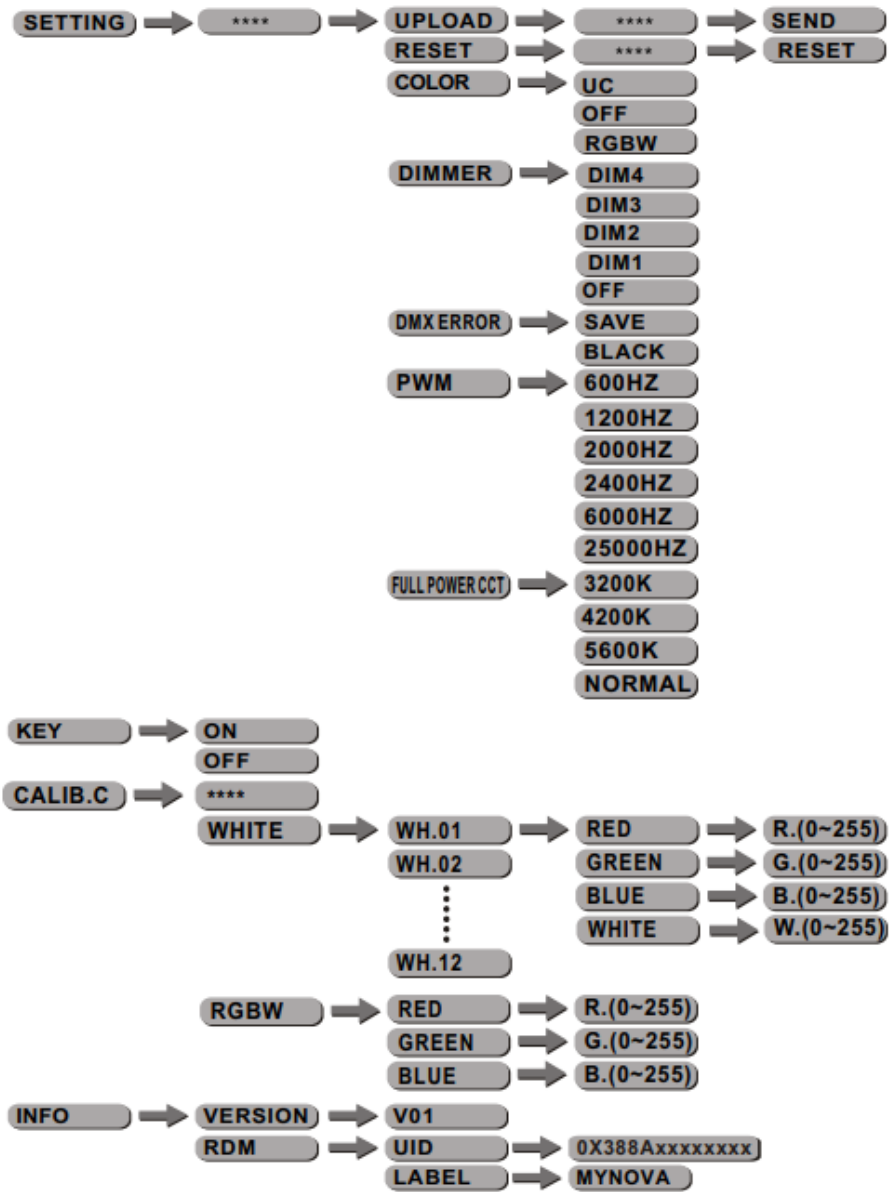
3.1 Display Operation

- Menu: Open menu or back
- Enter: Enter or save
- UP: Increase value
- Down: Decrease value

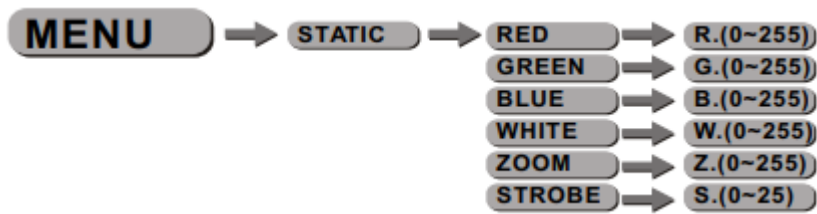


3.2 Menu Map





3.3 Edit Static Colour



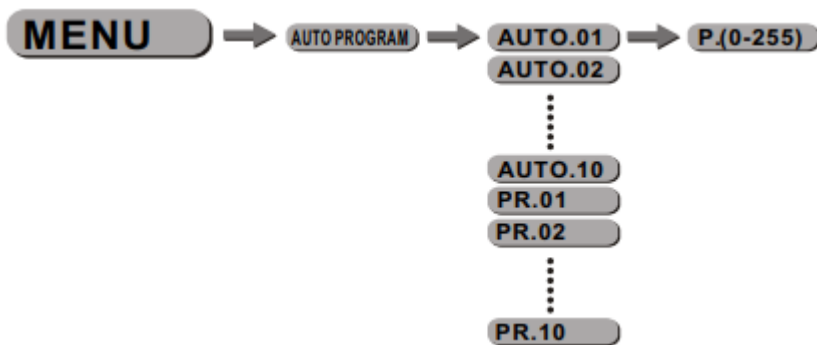
- Combine RED, GREEN, BLUE, and WHITE to create an infinite range of colours (0-255)
- Set the value of the STROBE (0-25Hz)

3.4 DMX512 Settings



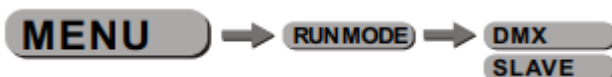
- Enter the ADDRESS mode to set the DMX ADDRESS.

3.5 Activating Auto Programs



- Select the target under AUTO PROGRAM and press ENTER.
- Programs AUTO.01 to AUTO.10 are fully pre-programmed and will not be altered by changes in EDIT mode.
- Programs PR.01 to PR.10 are fully pre-programmed and can be edited in EDIT mode.

3.6 Run Mode



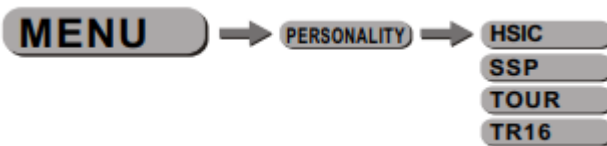
- Enter the RUN MODE to set working mode.
- DMX mode is for using the DMX512 controller to control the fixtures. SLAVE mode is for Master-Slave operation.

3.7 Zoom Mode



- ZOOM MODE 1 is the default fast zoom speed, work in Ambient Temp. > 0°C
- ZOOM MODE 2 is slow zoom speed, works in Ambient Temp. < 0°C

3.8 Personality

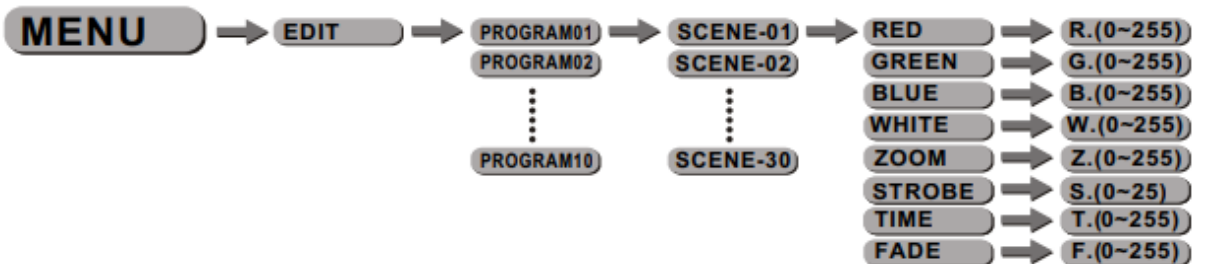


- Enter the PERSONALITY mode to select DMX mode: HSIC \ SSP \ TOUR \ TR16

Introduction for HSIC

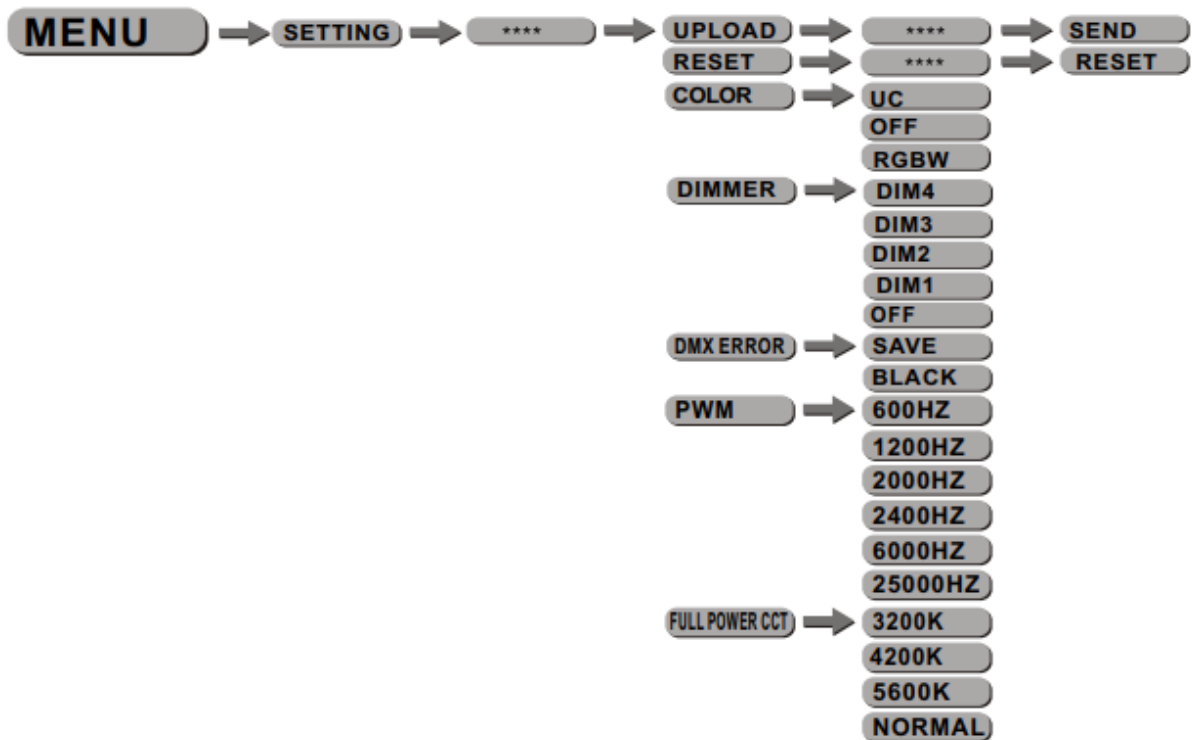
- HUE: colour selection
- HUE FINE: fine dimming when choose a colour.
- SATURATION adjust saturation when choose a colour.
- INTENSITY: adjust intensity for chosen colour.
- CCT: choose needed colour temperature (2700k, 3000k, 3200k, 3500k, 4000k, 4200k, 4500k, 5600k, 6000k, 6500k, 7200k, 8000k).

3.9 Editing Custom Programs



- Enter the EDIT mode to edit the custom programs PROGRAM01 to PROGRAM10.
- Each custom program has 30 scenes that can be edited.
- Each step allows the creation of a scene using RED, GREEN, BLUE, WHITE, ZOOM, STROBE, TIME & FADE.

3.10 Special Settings



- SETTING 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.
- To reset custom modes to default values, select RESET.
- **Note:** UC/RGBW/CALIB.C can't be reset
- COLOR activates/deactivates the colour calibration functions. When RGBW is selected, on RGB = 255,255,255, the colour is displayed as calibrated in CALIB.C - RGBW. When COLOR is set to OFF, on RGB = 255,255,255, the RGB values are not adjusted, and the output is the most powerful. When UC is selected, the RGB outputs are adjusted to a standard preset universal colour which balances fixtures from different generations. Note: COLOR works only when choose NORMAL at FULL POWER CCT
- Select DIM1, DIM2, DIM3 or DIM4 for different dimming speeds. (DIM4 is the slowest dimming speed)
- DMX ERROR Choose SAVE in order to save the last DMX data in case of DMX signal error. Choose BLACK in order to blackout in case of DMX signal error.
- PWM RATE sets the PWM refresh rate. Press UP/DOWN to choose 600Hz, 1200Hz, 4000Hz and 25000Hz.
Note: with refresh rate increased, grey rate of dimmer will be reduced, (that means high refresh rate, low grey rate). When 4000Hz is selected, CV3 is invalid, when 25000Hz is selected, CV1, CV2, and CV3 are invalid, so please lower PWM rate to increase grey rate if necessary.
- FULL POWER CCT is the colour temperature choose bottom, press UP/DOWN to choose. Under full power, 3200k, 4200k, 5600k can be chosen, but when COLOR is chosen, 3200k, 4200k, 5600k will not work, only NORMAL will work.

3.11 Activate the Password

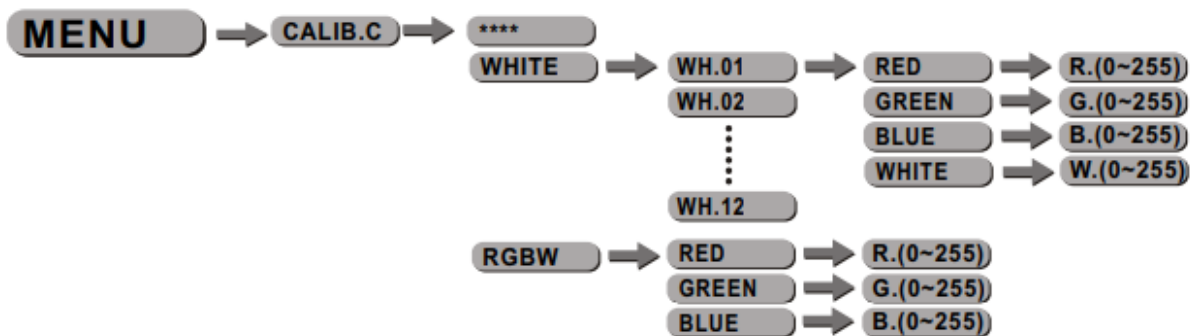


- Enter the KEY mode to select whether the access password is on or off.
- When the fixture is set as PASS ON, after 30 seconds, the fixture will need an access password to enter the display menu control.

Note: The factory access password is UP + DOWN + UP + DOWN, then press ENTER to confirm the access.

3.12 Parameter Correction

Press MENU button to enter the password confirmation, to enter the correct password UP + DOWN + UP + DOWN, press the MENU in, the correct password will show the submenu.

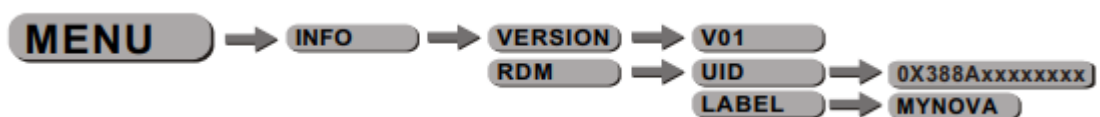


- Enter the CALIB.C to select white colour of different colour temperatures.
- There are 12 pre-programmed white colours can be edited by using RED, GREEN, BLUE, and WHITE
- When DMX mode is HSIC, CH5 will have access to 12 white colours.
- When DMX mode is TOUR, CH6 will have access to 12 white colours.
- When DMX mode is TR16, CH11 will have access to 12 white colours.

Note: if CCT data is changed in WHITE from WT.01 to WT.12, the CCT of the corresponding channel will be changed also.

- Enter the RGBW 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 colour will be made by the actual RGB values on the RGBW.

3.13 Info



- Press ENTER and go to INFO. You can check VERSION, or use DOWN/UP to check RDM, LABEL, press MENU and back.

4 USING A DMX CONTROLLER

4.1 Channel Assignment

Note: This product has four DMX512 channel configurations: HSIC, SSP, TOUR, TR16.

HSIC

CHANNEL	VALUE	FUNCTION
1	000 – 255	Intensity
2	000 – 255	Hue
3	000 – 255	Hue Fine
4	000 – 255	Saturation
5		CCT
	000 – 010	No function
	011 – 030	2700K
	031 – 050	3000K
	051 – 070	3200K
	071 – 090	3500K
	091 – 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
	000 – 009	No function
	010 – 099	Strobe from slow to fast (0-25Hz)
	100 – 109	No function
	110 – 179	Lightning strobe
	180 – 189	No function
	190 – 255	Random strobe
7	000 – 255	Zoom
8		Control
	000 – 200	No function
	201 – 220	Zoom reset
	221 – 255	No function
9		Dimmer Speed
	000 – 009	No function
	010 – 029	Off
	030 – 069	Dim 1
	070 – 129	Dim 2
	130 – 189	Dim 3
	190 – 255	Dim 4

SSP

CHANNEL	VALUE	FUNCTION
1	000 – 255	Dimmer
2	000 – 255	Red
3	000 – 255	Green
4	000 – 255	Blue
5	000 – 255	White
6		Strobe
	000 – 009	No function
	010 – 099	Strobe from slow to fast (0-25Hz)
	100 – 109	No function
	110 – 179	Lightning strobe
	180 – 189	No function
	190 – 255	Random strobe
7	000 – 255	Zoom
8		Control
	000 – 200	No function
	201 – 220	Zoom reset
	221 – 255	No function
9		Dimmer Speed
	000 – 009	No function
	010 – 029	Off
	030 – 069	Dim 1
	070 – 129	Dim 2
	130 – 189	Dim 3
	190 – 255	Dim 4

TOUR

CHANNEL	VALUE	FUNCTION
1	000 – 255	Dimmer
2	000 – 255	Red
3	000 – 255	Green
4	000 – 255	Blue
5	000 – 255	White
6		Colour Macros
	000 – 010	No function
	011 – 170	RGB Macros
	171 – 195	All LEDs at full
	196 – 200	2700K
	201 – 205	3000K
	206 – 210	3200K
	211 – 215	3500K
	216 – 220	4000K
	221 – 225	4200K
	226 – 230	4500K
	231 – 235	5600K

	236 – 240	6000K
	241 – 245	6500K
	246 – 250	7200K
	251 – 255	8000K
7		Strobe
	000 – 009	No function
	010 – 099	Strobe from slow to fast (0-25Hz)
	100 – 109	No function
	110 – 179	Lightning strobe
	180 – 189	No function
	190 – 255	Random strobe
8		Auto
	000 – 040	No Function
	041 – 050	Auto 1
	051 – 060	Auto 2
	061 – 070	Auto 3
	071 – 080	Auto 4
	081 – 090	Auto 5
	091 – 100	Auto 6
	101 – 110	Auto 7
	111 – 120	Auto 8
	121 – 130	Auto 9
	131 – 140	Auto 10
	141 – 150	Program 1
	151 – 160	Program 2
	161 – 170	Program 3
	171 – 180	Program 4
	181 – 190	Program 5
	191 – 200	Program 6
	201 – 210	Program 7
	211 – 220	Program 8
221 – 230	Program 9	
231 – 255	Program 10	
9	000 – 255	Auto Speed Adjustment
10	000 – 255	Zoom
11		Control
	000 – 200	No function
	201 – 220	Zoom reset
	221 – 255	No function
12		Dimmer Speed
	000 – 009	No function
	010 – 029	Off
	030 – 069	Dim 1
	070 – 129	Dim 2
	130 – 189	Dim 3
	190 – 255	Dim 4

TR16

CHANNEL	VALUE	FUNCTION
1	000 – 255	Dimmer
2	000 – 255	Dimmer Fine
3	000 – 255	Red
4	000 – 255	Red Fine
5	000 – 255	Green
6	000 – 255	Green Fine
7	000 – 255	Blue
8	000 – 255	Blue Fine
9	000 – 255	White
10	000 – 255	White Fine
11		Colour Macros
	000 – 010	No function
	011 – 170	RGB Macros
	171 – 195	All LEDs at full
	196 – 200	2700K
	201 – 205	3000K
	206 – 210	3200K
	211 – 215	3500K
	216 – 220	4000K
	221 – 225	4200K
	226 – 230	4500K
	231 – 235	5600K
	236 – 240	6000K
	241 – 245	6500K
	246 – 250	7200K
251 – 255	8000K	
12		Strobe
	000 – 009	No function
	010 – 099	Strobe from slow to fast (0-25Hz)
	100 – 109	No function
	110 – 179	Lightning strobe
	180 – 189	No function
	190 – 255	Random strobe
13		Auto
	000 – 040	No Function
	041 – 050	Auto 1
	051 – 060	Auto 2
	061 – 070	Auto 3
	071 – 080	Auto 4
	081 – 090	Auto 5
	091 – 100	Auto 6
	101 – 110	Auto 7
	111 – 120	Auto 8
	121 – 130	Auto 9
	131 – 140	Auto 10
	141 – 150	Program 1
151 – 160	Program 2	

	161 – 170	Program 3
	171 – 180	Program 4
	181 – 190	Program 5
	191 – 200	Program 6
	201 – 210	Program 7
	211 – 220	Program 8
	221 – 230	Program 9
	231 – 255	Program 10
14	000 – 255	Auto Speed Adjustment
15	000 – 255	Zoom
16		Control
	000 – 200	No function
	201 – 220	Zoom reset
	221 – 255	No function
17		Dimmer Speed
	000 – 009	No function
	010 – 029	Off
	030 – 069	Dim 1
	070 – 129	Dim 2
	130 – 189	Dim 3
	190 – 255	Dim 4