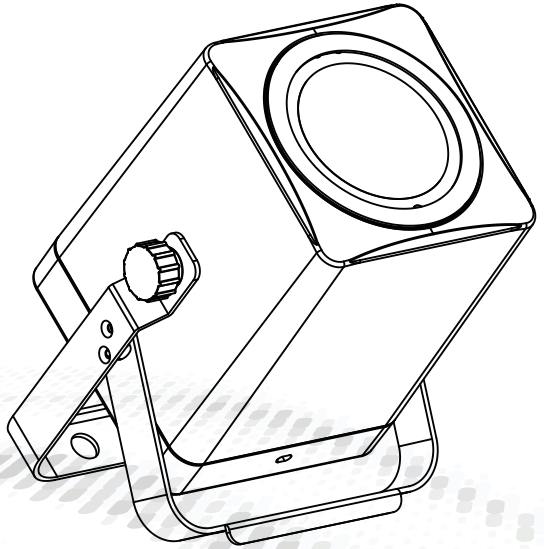
USER MANUAL



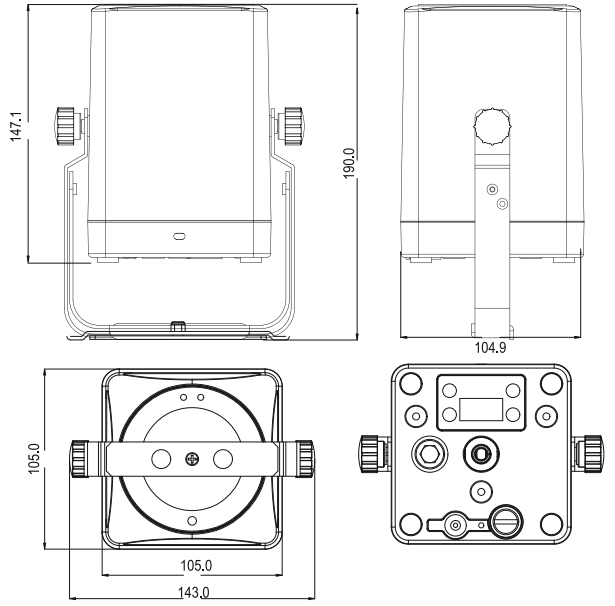
1 PRODUCT SPECIFICATIONS

1.1 TECHNICAL SPECIFICATIONS

LED MODULE

VOLTAGE	18.5VDC
POWER	20W
IP RATING	IP 65
OPERATION TEMPERATURE	0℃~40℃
DIMENSIONS	143X105X190mm
	1Kg

1.2 SIZE CHART

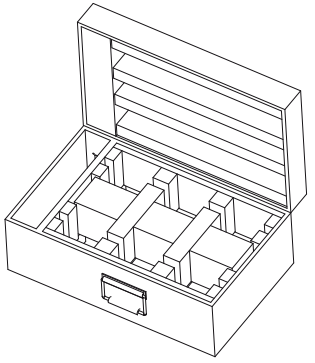


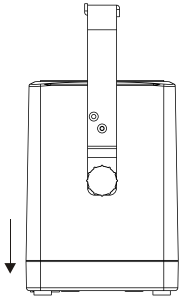
7 BATTERY CHARGING

7.1 FLIGHTCASE SPECIFICATIONS

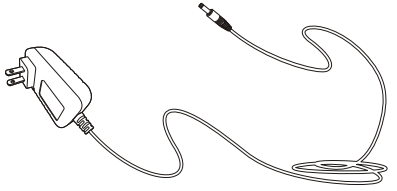
Voltage: AC100-240V, 50,60Hz
Rated Power: 150W
Weight:9.8KG
Dimensions: 572x350x240mm

7.2:FLIGHTCASE WITH CHARGER



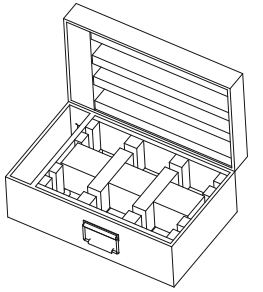


7.3 CHARGER SPECIFICATIONS



Voltage: AC100-240V, 50/60Hz
Output: DC24V, 1A
LED： ≤200mA

7.4： THE FLIGHTCASE MUST HAVE THE HOOD OPEN WHEN CHARGING.



7.5 IMPORTANT FACTS:

HOW TO CARE FOR YOUR BATTERY!

CHARGING	STORING
●DO NOT CHARGE FOR MORE THAN 24HRS	●STORE WITH FULL LOAD
●RECHARGE WITHIN 3 DAYS OF USE	●TURN OFF AT BASE WHEN STORING FOR MORE THAN 7 DAYS
●CHARGE WITH FLIGHTCASE OPEN	●STORE IN AN UPRIGHT POSITION

1.3 SAFETY WARNING

IMPORTANT

【ALWAYS READ THE USER MANUAL BEFORE OPERATION. 】
【PLEASE CONFIRM THAT THE POWER SUPPLY STATED ON THE PRODUCT IS THE SAME AS THE MAINS POWER SUPPLY IN YOUR AREA.】

- This product must be installed by a qualified professional.
- Always operate the equipment as described in the user manual.
- A minimum distance of 0.5m must be maintained between the equipment and combustible surface.
- The product must always be placed in a well ventilated area.
- Always make sure that the equipment is installed securely.
- DO NOT stand close to the equipment and stare directly into the LED light source.
- Always disconnect the power supply before attempting maintenance.
- Always make sure that the supporting structure is solid and can support the combined weight of the products.
- The earth wire must always be connected to the ground.
- Do not touch the power cables if your hands are wet.

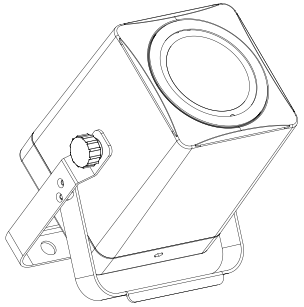
ATTENTION

- Do not operate in a sealed enclosure with insufficient air flow
- Do not operate in an environment with temperatures in excess of 45deg. C.
- Do not operate store in close proximity to source of fire.
- Always charge with supplied charger
- Do not charge for more than 24 hours
- Always turn off battery storage switch when storing for longer than 7 days
- Always store with full load
- Always charge with flightcase open
- Always carry out one full discharge and charge cycle every 3 months
- Always store in a dry environment away from direct sunlight

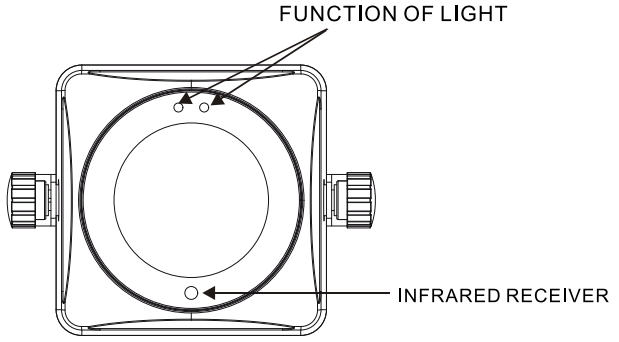
2 GETTING STARTED

2.1 OPERATING POSITION

Upright operation



2.2 GENERAL OPERATION



1、When charging, power light is red, when finish charging, power light is green

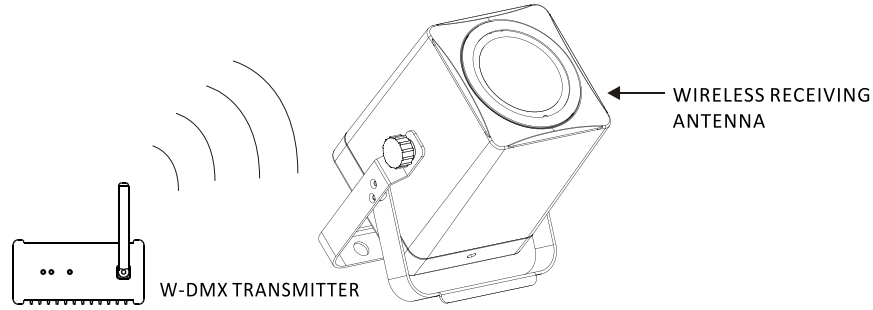
2、When turn on fixture, it’s static mode, red light is off.

3、If no DMX signal when turn on fixture, green light is flickering

4、If there is DMX signal when turn on fixture, green light is always on

5、When it’s under infrared mode and there is infrared signal, red light is flickering

6 OPERATION WITH WIRELESS DMX

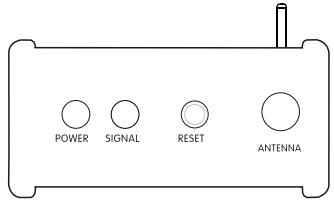


6.1 When using this lighting fixture with W-DMX receiver installed inside, the fixture may be placed at a range of 200m from W-DMX transmitter

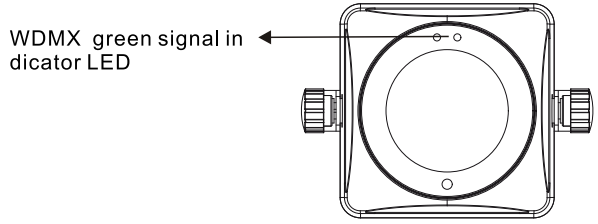
6.2 Select DMX from the <RUN> menu.

6.3 Select ACTI from the <WDMX> menu and proceed to turn ON the WDMX. If the WDMX receiver card is already paired with a WDMX transmitter then the fixture is ready for receiving DMX signal. If the WDMX receiver card needs to be paired with a new WDMX transmitter, select YES from the <WDMX >/<REST> menu. The green signal indicator LED will not show which confirms that WDMX receiver card is unpaired and ready for new pairing.。

6.4 By pressing the RESET button on W-DMX transmitter, transmitter will search for RESET lighting fixtures. During search transmitter green SIGNAL indicator will flash. After pairing with lighting fixture green SIGNAL indicator will display.

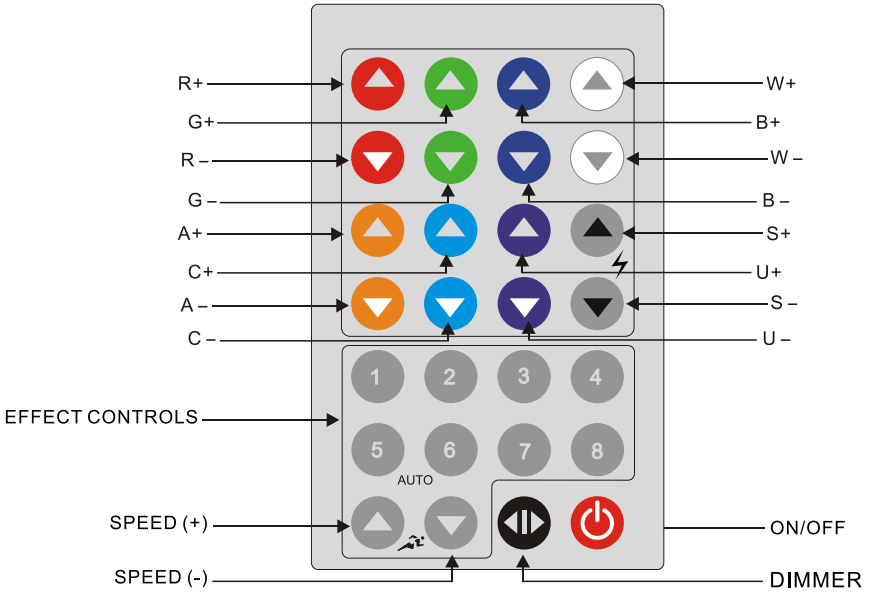


6.5 Once a lighting fixture has been paired with a W-DMX transmitter, the green SIGNAL indicator will display. Once a lighting fixture has been paired with a W-DMX transmitter, the lighting fixture cannot be paired with another W-DMX transmitter. If a lighting fixture requires pairing with a new W-DMX transmitter, steps 5.3 and 5.4 must be repeated.



5 EASYPLAY REMOTE CONTROL

5.1 KEY FUNCTIONS



5.2 STATIC MODE

- It can be static dimmer, choose static mode and enter into static dimmer
- As instruction, it includes R+,R-,G+,G-,B+,B-,W+,W-,A+,A-,C+,C-,U+,U-, S+,S-, and 【R+、R-】is for red dimmer, 【G+、G-】is for green dimmer, 【B+、B-】is for blue dimmer, 【W+、W-】is for white dimmer, 【A+、A-】is for amber dimmer, 【C+、C-】is for cyan dimmer, 【U+、U-】is for UV dimmer, please refer to above 【RED】、【GREEN】、【BLUE】、【WHITE】、【AMBR】、【CYAN】and【UV】to adjust

5.3 EFFECT CONTROLS

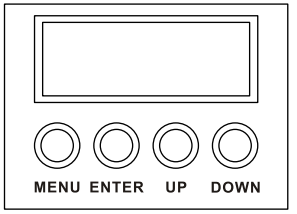
- Select from 【EFFECTKEY 01】 to 【EFFECTKEY 08】to play required play function (see section 2.3.3 for further information on how to patch【EFFECTKEY】)
- Select 【SPEED (+)】 or 【SPEED (-)】 to adjust speed play function.
- It is not possible to adjust the light level of the EFFECT programs using the 【DIMMER】 keys.

5.4 DIMMER

- There is a bottom for all color 【RGBWACU】 dimmer, lower right corner is a on/off bottom for fixture on/off operation.

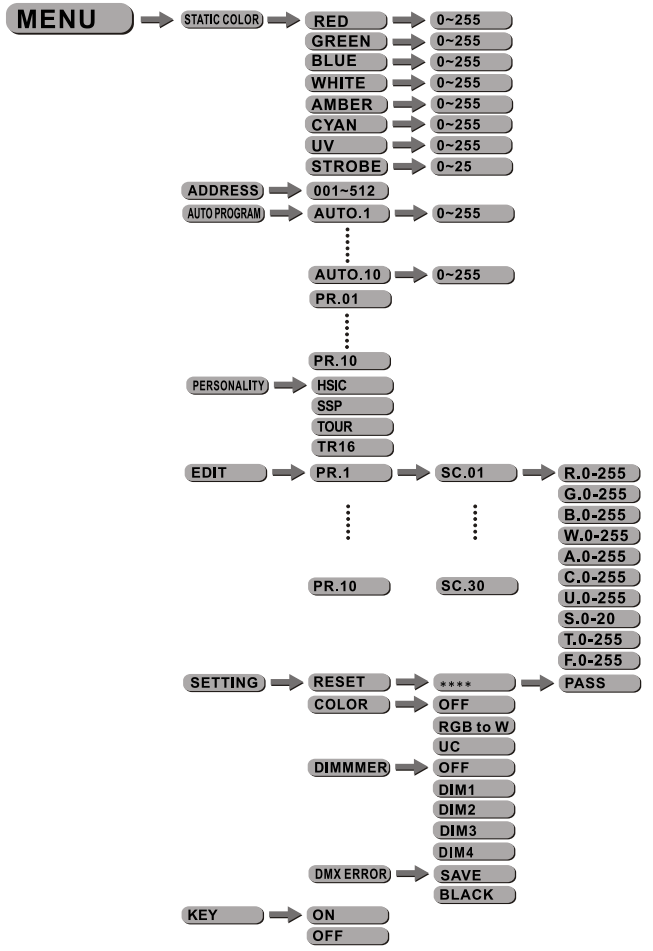
3 DISPLAY PANEL OPERATION

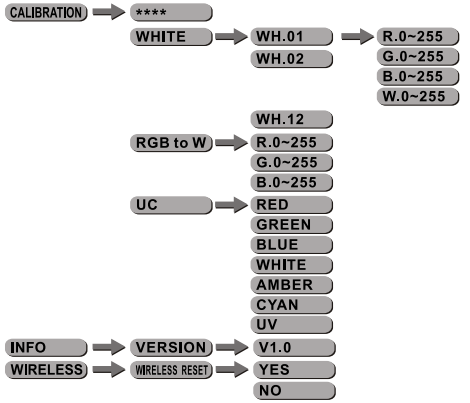
3.1 DISPLAY OPERATION



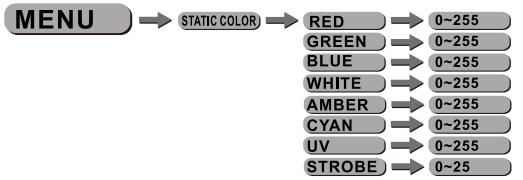
- MENU：BACK;
- ENTER：ENTER OR SAVE;
- DOWN：DOWN;
- UP：UP;

3.2 MENU MAP





3.3 EDIT STATIC COLOUR



- Combine 【***RED***】, 【***GREEN***】, 【***BLUE***】, 【***WHITE***】, 【***AMBER***】, 【***CYAN***】 and 【***UV***】 to create an infinite range of colors (0-255)
- Set the value of the 【***Strobe***】 (0-20Hz)

3.4 DMX512 SETTINGS

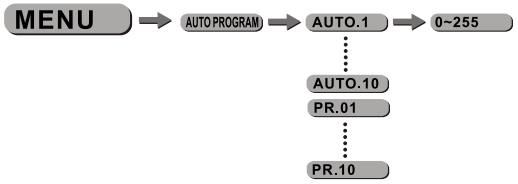
- Enter the【 ADDRESS】mode to set the DMX ADDRESS.

CHANNEL	VALUE	FUNCTION
17		SPECIAL STROBE
	0 ⇔ 9	NO FUNCTION
	10 ⇔ 50	STROBE FROM （SLOD TO FAST，0-25Hz）
	51 ⇔ 100	NO FUNCTION
	101 ⇔ 150	LIGHTNING STROBE
	151 ⇔ 200	NO FUNCTION
	201 ⇔ 255	RANDOM SROBE
18		AUTO
	0⇔ 40	NO FUNCTION
	41⇔ 50	ATUO1
	51⇔ 60	ATUO2
	61⇔ 70	ATUO3
	71⇔ 80	ATUO4
	81⇔ 90	ATUO5
	91⇔ 100	ATUO6
	101⇔ 110	ATUO7
	111⇔ 120	ATUO8
	121⇔ 130	ATUO9
	131⇔ 140	ATUO10
	141⇔ 150	PROGRAM1
	151⇔ 160	PROGRAM2
	161⇔ 170	PROGRAM3
	171⇔ 180	PROGRAM4
	181⇔ 190	PROGRAM5
	191⇔ 200	PROGRAM6
	201⇔ 210	PROGRAM7
	211⇔ 220	PROGRAM8
	221⇔ 230	PROGRAM9
	231⇔ 255	PROGRAM10
19	0⇔ 255	AUTO SPEED ADJUSTMENT
20		DIMMER SPEED
	0⇔ 9	NO FUNCTION
	10⇔ 29	OFF
	30⇔ 69	DIM1
	70⇔ 129	DIM2
	130⇔ 189	DIM3
	190⇔ 255	DIM4

TOUR

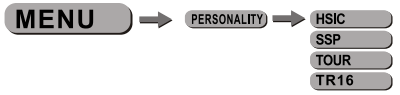
CHANNEL	VALUE	FUNCTION
1	0⇔255	MASTER DIMMER
2	0⇔255	RED
3	0⇔255	RED FINE
4	0⇔255	GREEN
5	0⇔255	GREEN FINE
6	0⇔255	BLUE
7	0⇔255	BLUE FINE
8	0⇔255	WHITE
9	0⇔255	WHITE FINE
10	0⇔255	AMBER
11	0⇔255	AMBER FINE
12	0⇔255	CYAN
13	0⇔255	CYAN FINE
14	0⇔255	UV
15	0⇔255	UV FINE
16		MARCOS
	0⇔10	NO FUNCTION
	11⇔30	RED 100% / GREEN UP / BLUE 0%
	31⇔50	RED DOWN / GREEN 100% / BLUE 0%
	51⇔70	RED 0% / GREEN 100% / BLUE UP
	71⇔90	RED 0% / GREEN DOWN / BLUE 100%
	91⇔110	RED UP / GREEN 0% / BLUE 100%
	111⇔130	RED 100% /GREEN 0%/BLUE DOWN
	131⇔150	RED 100%/GREEN UP/BLUE UP
	151⇔170	RED DOWN/GREEN DOWN/BLUE 100%
	171⇔195	ALL LED AT FULL OUTPUT
	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

3.5 ACTIVATING AUTO PROGRAMS



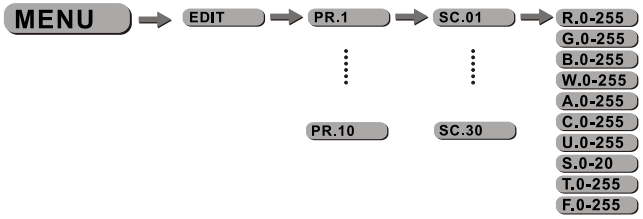
- Select the target【***AUTO* PROGRAM**】program and press【***ENTER***】.
- Programs【***AUTO.01***】to【***AUTO.10***】are fully pre-programmed and will not bealtered by changes in【***EDIT***】mode.
- Programs【***PR.01***】to【***PR.10***】are fully pre-programmed and can be edited in【***EDIT***】mode.

3.6 PERSONALITY



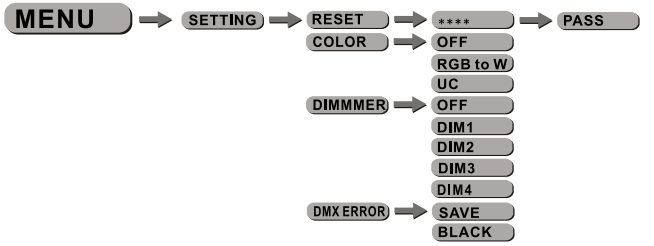
- Enter the【***PERSONALITY***】mode to select DMX mode:【**HSIC**】【**SSP**】【**TOUR**】,【**TR16**】.

3.7 EDITING CUSTOM PROGRAMS



- Enter the【***EDIT***】mode to edit the custom programs【***PR.01***】to【***PR.10***】.
- Each custom program has 30 steps that can be edited.
- Each step allows the creation of a scene using【***RED***】,【***GREEN***】,【***BLUE***】,【***WHITE***】,【***AMBER***】,【***CYAN***】,【***UV***】,【***STRB***】,【***TIME***】&【***FADE***】.

3.8 SPECIAL SETTINGS



- ●[SETTING]...this menu allows the user to adjust key operation settings for this fixture.
- ● In order to reset custom modes to default values select [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.
- ● 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 incase of DMX signal error.Choose[BLACK] in order to blackout in case of DMX signal error.

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.

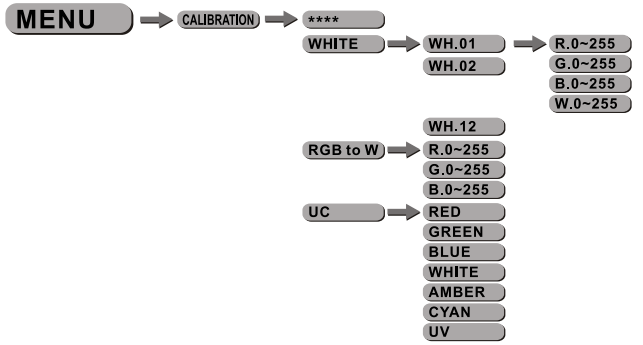
CHANNEL	VALUE	FUNCTION
11		AUTO
	0⇔ 40	NO FUNCTION
	41⇔ 50	ATUO1
	51⇔ 60	ATUO2
	61⇔ 70	ATUO3
	71⇔ 80	ATUO4
	81⇔ 90	ATUO5
	91⇔ 100	ATUO6
	101⇔ 110	ATUO7
	111⇔ 120	ATUO8
	121⇔ 130	ATUO9
	131⇔ 140	ATUO10
	141⇔ 150	PROGRAM1
	151⇔ 160	PROGRAM2
	161⇔ 170	PROGRAM3
	171⇔ 180	PROGRAM4
	181⇔ 190	PROGRAM5
	191⇔ 200	PROGRAM6
	201⇔ 210	PROGRAM7
	211⇔ 220	PROGRAM8
	221⇔ 230	PROGRAM9
	231⇔ 255	PROGRAM10
12	0⇔ 255	AUTO SPEED ADJUSTMENT
13		DIMMER SPEED
	0⇔ 9	NO FUNCTION
	10⇔ 29	OFF
	30⇔ 69	DIM1
	70⇔ 129	DIM2
	130⇔ 189	DIM3
	190⇔ 255	DIM4

TOUR

CHANNEL	VALUE	FUNCTION
1	0⇔255	MASTER DIMMER
2	0⇔255	RED
3	0⇔255	GREEN
4	0⇔255	BLUE
5	0⇔255	WHITE
6	0⇔255	AMBER
7	0⇔255	CYAN
8	0⇔255	UV
9		MARCOS
	0⇔10	NO FUNCTION
	11⇔30	RED 100% / GREEN UP / BLUE 0%
	31⇔50	RED DOWN / GREEN 100% / BLUE 0%
	51⇔70	RED 0% / GREEN 100% / BLUE UP
	71⇔90	RED 0% / GREEN DOWN / BLUE 100%
	91⇔110	RED UP / GREEN 0% / BLUE 100%
	111⇔130	RED 100% /GREEN 0%/BLUE DOWN
	131⇔150	RED 100%/GREEN UP/BLUE UP
	151⇔170	RED DOWN/GREEN DOWN/BLUE 100%
	171⇔195	ALL LED AT FULL OUTPUT
	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
10		SPECIAL STROBE
	0⇔9	NO FUNCTION
	10⇔50	STROBE FROM （SLOD TO FAST，0-25Hz）
	51⇔100	NO FUNCTION
	101⇔150	LIGHTNING STROBE
	151⇔200	NO FUNCTION
	201⇔255	RANDOM SROBE

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



- Enter the 【CALIBRATION】to select white color of different color temperature.
- There are 12 pre-programmed White colors can be edited by using 【*RED*】, 【*GREEN*】, 【*BLUE*】 & 【*WHITE*】.

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

- Enter the 【RGB to W】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 【RGB to W】.

- under 【UC】menu, press 【ENTER】for color correction
- Press 【ENTER】and choose 【RED】、【GREN】【BLUE】【WHITE】、【AMBER】【CYAN】and【UV】for correction.
- Press 【MENU】and return to menu, and keep value automatically.

3.13 INFO

- Press【ENTER】and go to【 INFO】,you can check【 VERSION】.

3.12 WIRELESS

- Press【ENTER】and enter【WIRELESS】,choose【NO】means no reset, choose【YES】means reset

4 USING A DMX512 CONTROLLER

4.1 CHANNEL ASSIGNMENT

● Note: This product have four DMX512 channel configuration:
【HSIC】,【SSP】,【TOUR】,【TR16】.

HSIC

CHANNEL	VALUE	FUNCTION
1	0⇔255	INTENSIYT
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		SPECIAL STROBE
	0⇔9	NO FUNCTION
	10⇔50	STROBE FROM（SLOD TO FAST，0-25Hz）
	51⇔100	NO FUNCTION
	101⇔150	LIGHTNING STROBE
	151⇔200	NO FUNCTION
	201⇔255	RANDOM SROBE
7		DIMMER SPEED
	0⇔9	NO FUNCTION
	10⇔29	OFF
	30⇔69	DIM1
	70⇔129	DIM2
	130⇔189	DIM3
	190⇔255	DIM4

SSP

CHANNEL	VALUE	FUNCTION
1	0⇔255	MASTER DIMMER
2	0⇔255	RED
3	0⇔255	GREEN
4	0⇔255	BLUE
5	0⇔255	WHITE
6	0⇔255	AMBER
7	0⇔255	CYAN
8	0⇔255	UV
9		SPECIAL STROBE
	0⇔9	NO FUNCTION
	10⇔50	STROBE FROM（SLOD TO FAST，0-25Hz）
	51⇔100	NO FUNCTION
	101⇔150	LIGHTNING STROBE
	151⇔200	NO FUNCTION
	201⇔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