



F-2115-5AB 21*15W 5 in 1 outdoor slim par

Please read the Manual before using

General Statement

(1) Product statement

First of all thank you for purchasing our lighting products LED 21*15W 5 in 1 outdoor slim par light, for your safety and better use of this product, please read the user manual carefully before using, and strictly in accordance with the procedures, so as to avoid personal safety or damage caused by the misuse of lamps and lanterns.

(2) Product introduction

21*15W RGBAW 5 in 1 led, excellent cooling, great brightness, lower power consumption, special 42mm lens, flicker free & very soft linear dimmer 0-100%, extremely heavy heat sink, very strong structure, which has very long life span. 3,4,5,6,7,12 channel mode for your optional, auto run, sound active, DMX 512 & master slave.

Safety Instructions

(1) Safety instructions

CAUTION!

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires!

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

Important:

Damages caused by the disregard of this user manual are not subject to Warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to drastic temperature fluctuation (e.g. after a delivery), do not

switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.

This device is designed for outdoor use only! It must be used in an area with good ventilation. It can not be used outdoors nor directly into water nor in an area where rain will drop directly

This device is allowed to be operated with an AC of 100-204V. This device falls under protection-Class. The power plug must only be plugged into a protection-class I outlet. The Green or Yellowish-Green conductor must be earthed!

Always connect the device to the mains last. Always disconnect from the mains, when the device is not in use or before cleaning it. Never leave the device running unattended! Check the device and the power cord from time to time. Make sure the power cord is not crimped or damaged by sharp edges. Never let the power cord come into contact with other cables! Handle the power cord and all connections with the mains with particular caution!

Do not shake the device. Avoid brute force when installing or operating. Operate the device only after having familiarized with its functions. Keep away children and amateurs from the device! Do not permit operation by person not qualified for operating the device. Most damages are the result of unprofessional operation!

1. Product features:

- * Mast slave.
- * DMX 512
- * Multi kinds of DMX mode.
- * Auto run, master, DMX512, sound active, programming.
- * Parameters download between lights.
- * 16BIT Gray rate 16BIT
- * Fan's speed automatic adjustable.
- * Temperature automatic protection.
- * Strobe function.
- * Lighting fixture's running time.
- * Positive and negative display.
- * Backlight settings.
- * Temperature display.
- * Software version.
- * Dimming liner settings.
- * Dimming speed settings.
- * Different white with various kinds of color temperature settings.
- * Password protection settings.

1.1 DMX 512 controller settings.

1.1-1 DMX512 address choosing without ID address.

* Connect DMX512 controller with each fixture.

* Each fixture has 14 channels, therefore DMX address should gradually increase by value 14, such as (1, 15, 29, 43...).

* (CH14=0) If ID address is not setting, the 14 channels cannot be active by the controller .

* Each DMX address can be used multiple times as required.

* Any DMX dress can be used from the range of 001-512.

1.1-1-1DMX location with ID address.

* Each DMX address can be set 66 separate ID address.

ID should be set to the value on each device menus, such as 1, 2, 3 ...

* ID address can access via DMX512 console.

2.Operating instruction.

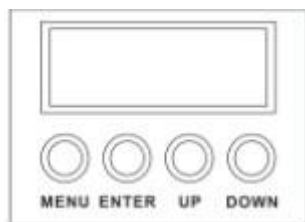
2.1 Key operation.

*MENU: Function key.

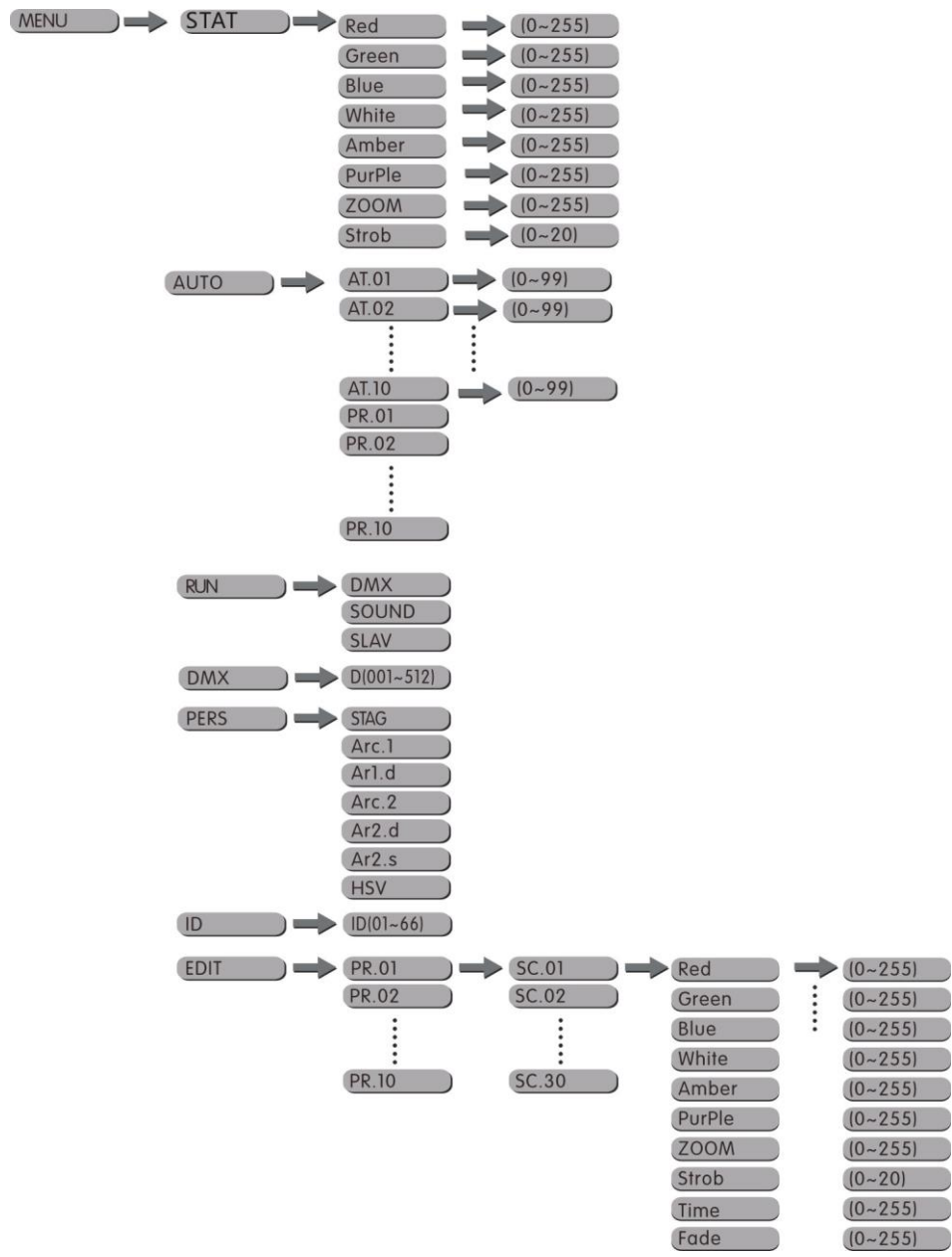
*ENTER: Enter key.

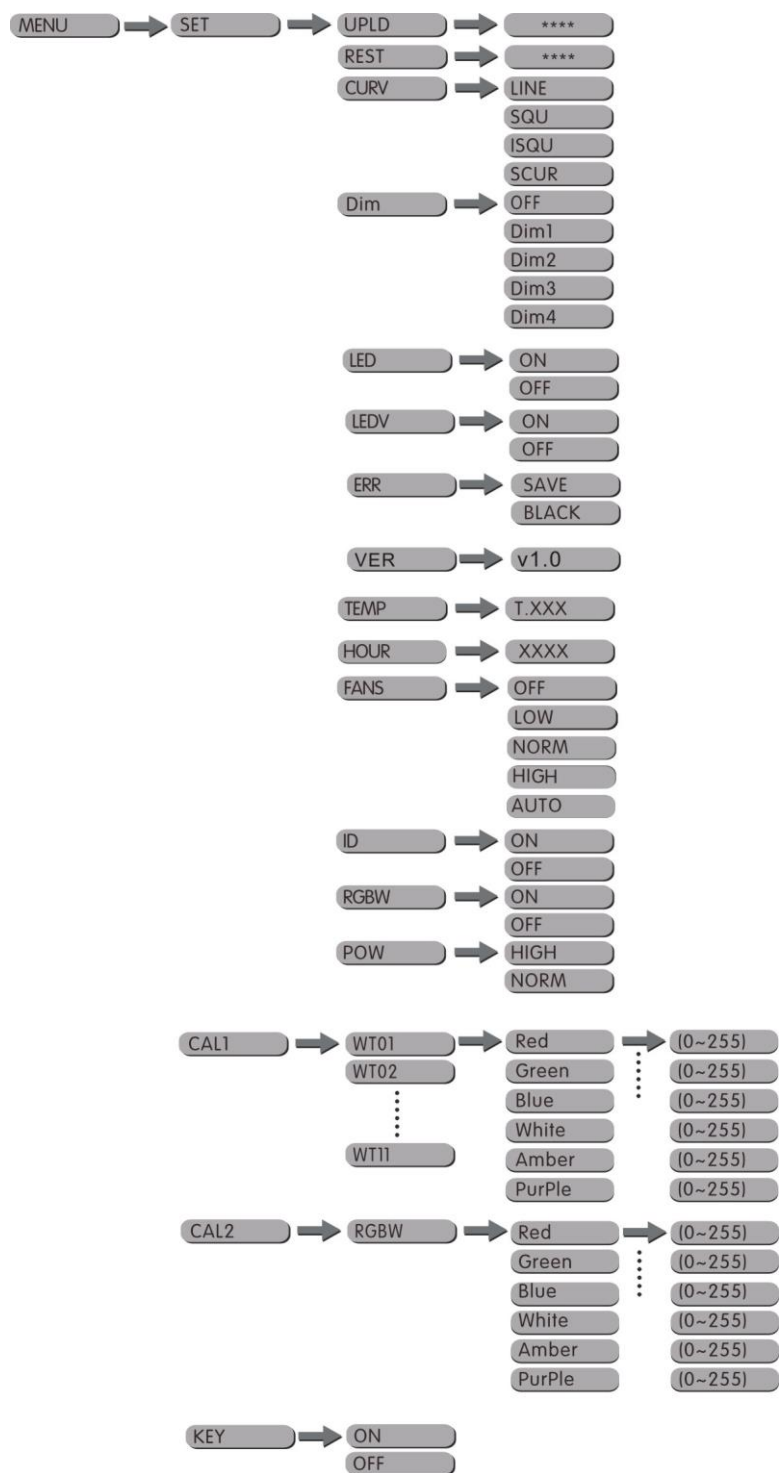
*UP: Plus key.

*DOWN: Minus key.

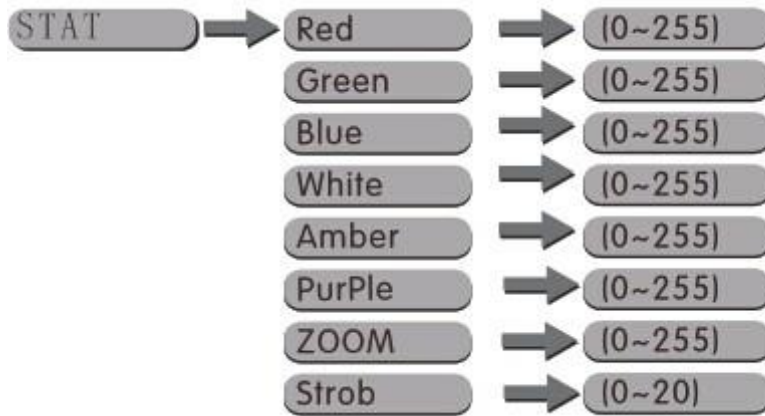


2.2 Manu





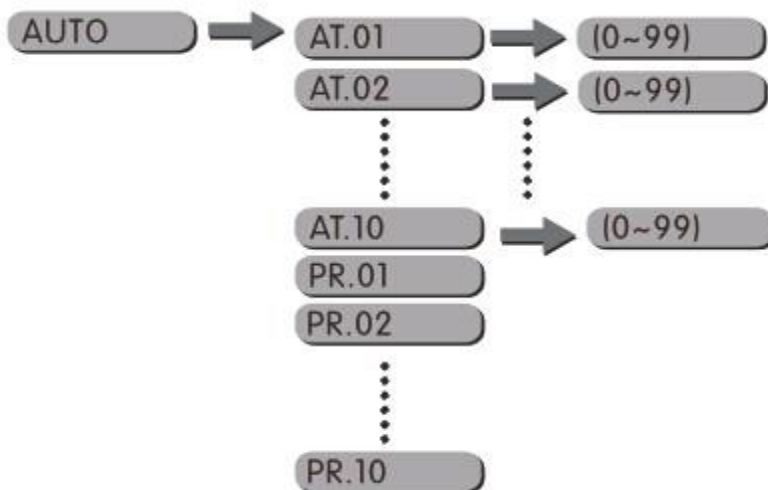
2.3 Static settings [STAT]



- * Press **【ENTER】** into stat setting at **【STAT】** manu.
- * Press **【ENTER】** key to choose **【Red】** . **【Green】** . **【Blue】** . **【White】** . **【Amber】** . **【PurPle】** **【ZOOM】** .
- * Press **【UP】** / **【DOWN】** key to choose value.
- * Press **【MENU】** return back to the previous menu, the parameters that you choose can automatic save.

Note: When entering the sub-menu to adjust, if no DMX, this fixture is automatically set to be master, others are slave.

2.4 Auto run [AUTO]

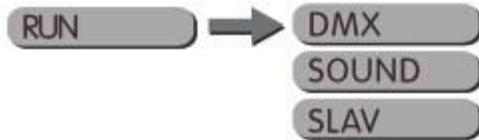


- * Choose [AUTO] and press enter is auto run function.
- * Press [UP]/[DOWN] to choose auto run program and user self programing.
- * Press **【MENU】** return back to the previous menu, the parameters that you choose can automatic save.
- * The speed of auto run is adjustable, while user self programming should be set under [EDIT] menu.

Note: When entering the sub-menu to adjust, if no DMX, this fixture is automatically set to be master,

others are slave.

2.5 Run mode [RUN]



- * Choose [RUN] menu and press [ENTER] into [RUN] mode.
- * Press [UP]/[DOWN] to choose running mode.
- * Press **【MENU】** return back to the previous menu, the parameters that you choose can automatic save.
- * DMX is international standard DMX 512 signal.
- * SOUND mean sound function.
- * SLAV is online signal .

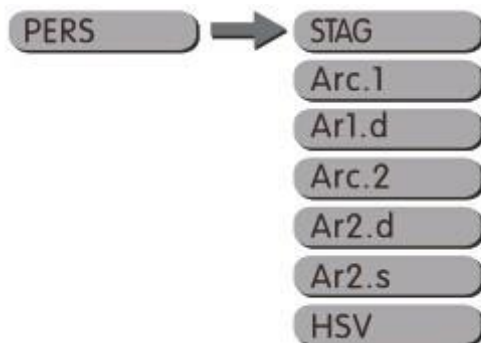
Note: Under DMX and SLAV mode, no DMX signal connect with the master signal.

2.6 DMX 512 address settings [DMX]



- * Choose [DMX] menu and press [ENTER] into address settings.
- * Press [UP]/[DOWN] to increase or decrease address value.
- * Press **【MENU】** return back to the previous menu, the parameters that you choose can automatic save.

2.7 DMX512 custom channel selection [PERS].



- * Choose [PERS] menu and press [ENTER] into DMX 512 custom channel selection.
- * Press [UP]/[DOWN] to choose.

[STAG] [ARC.1] [AR1.d] [ARC.2] [AR2.d] [AR2.S] [HSV]

For the exact channel value, pls check the DMX channel value sheet for reference.

* Press **【MENU】** return back to the previous menu, the parameters that you choose can automatic save.

2.8 ID address settings [ID].

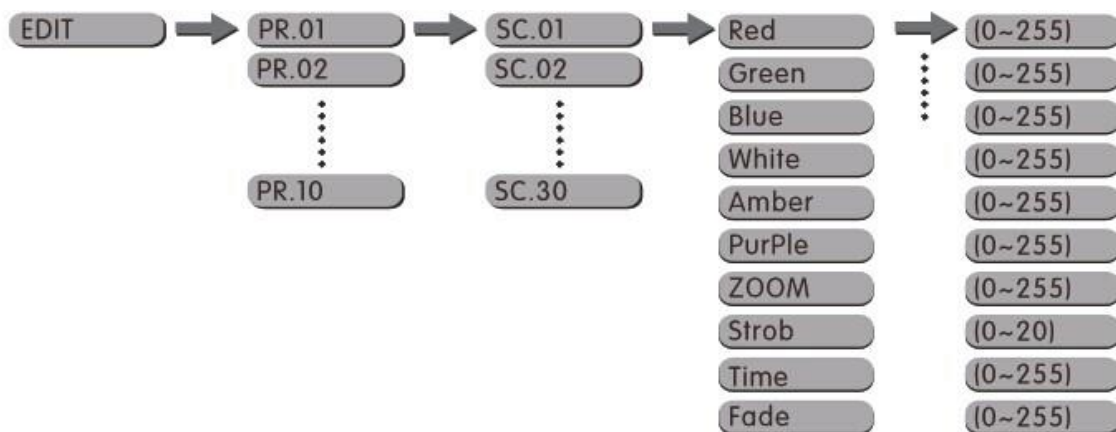


* Choose [ID] menu and press [ENTER] enter into ID address settings.

* Press [UP]/[DOWN] to choose [01-66] value.

* **【MENU】** return back to the previous menu, the parameters that you choose can automatic save.

2.9 ID scene editor [EDIT]



* Choose [EDIT] and press [ENTER] enter into scene editor, total is 10 block, each block has 30 scenes, each scene has 10 parameters.

Press [UP]/[DOWN] to choose block and scene, and press [ENTER] enter into the scene, and press [ENTER] to choose 10 parameters.

【Red】 . 【Green】 . 【Blue】 . 【White】 . 【Amber】 . 【PurPle】

6 color's value range [0-255].

When amend the parameters, press [UP]/[DOWN] can increase or decrease the parameters, the parameters can be saved automatically.

[ZOOM] value range [0-255].

[Strob] value range [0-20].

[Time], value range is [0-255], the unit is second.

[Fade] transition time, value range is [0-255], the unit is second, [Fade] 's time setting should lower than [Time]'s time setting.

* Press **【MENU】** return back to the previous menu, the parameters that you choose can automatic save.

Note: when setting [Time] as 0, and not running this scene, and enter into next scene mean you

close the running of this scene.

2.10 Fixture settings [SET]



* At [SET] menu, and press [ENTER] into the fixture parameters settings, [UPLD] is automatically send, except address code and color correction parameters.

Enter into download and you will need a password, the password is: [UP+DOWN+UP+DOWN], then press [ENTER] to confirm, if the password is correct, it will show in yellow display, mean it is sending, when get succeed to send the password, it will show in green display with OK, the slave receiving the password will show yellow, once it get succeed will show green. When the master get succeed to send the password, the slave no change or don't show green display mean it doesn't get succeed, then you need to download again.

* [REST] is the factory default parameter settings, press [ENTER] and enter the password [UP+DOWN+UP+DOWN] then press [ENTER] to confirm. When the fixture get succeed to reset, it will show OK.

*At [CLRv] press [ENTER] to choose dimming liner mode.

Press [UP/DOWN] to choose.

Liner dimming curve.

Square nonlinear dimming curve.

Nonlinear inverse square dimmer curve.

S-linear dimming curve.

* At [DIM] menu press [ENTER] to choose dimming speed.

Press [UP/DOWN] to choose dimming speed.

[OFF] dimming speed fastest.

[DIM1] dimming speed fast.

[DIM2] dimming speed slow.

[DIM3] dimming speed slower.

[DIM4] dimming speed slowest.

* At [LED]] menu press [ENTER] to turn on/off of the display.

Press [UP/DOWN] to turn on / off the display.

[ON] :when no press for 60s, it will close the LED display automatically.

[OFF]: not close the LED display.

* At [LEDV]] menu press [ENTER] into display screen forward and reverse switch.

Press [UP/DOWN] to choose turn no or off.

[ON]: LED display screen reverse.

[OFF] : LED display screen forward.

*At [ERR] menu press [ENTER] to disconnect the DMX signal lighting's status settings.

[SLAVE]: disconnect DMX signal, lighting status no change.

[BLACK]: disconnect DMX signal, lighting close.

[VER]: check the software version.

At [TEMP] press [ENTER] to check the fixture temperature.

* At [HOUR] menu press [ENTER] to check the fixture running time.

* At [FANS] press [ENTER] to choose the speed of the fan.

Press [UP/DOWN] to choose fan's speed.

[OFF]: close the fan.

[LOW]: fan runs slow.

[NORM]: fan runs medium.

[AUTO]: fan runs in different speed according to different temperature.

[HIGH]: fan runs fast.

* [ID] is turn on/off the address settings, press [ENTER] to enter into.

Press [UP/DOWN] to choose turn on/off.

[ON]: Turn the ID function.

[OFF]: Turn off the ID function.

*[RGBW] is adjust color cast is working or not.

Press [UP/DOWN] to choose.

[ON]: adjust color cast is working.

[OFF]: adjust color cast is not working.

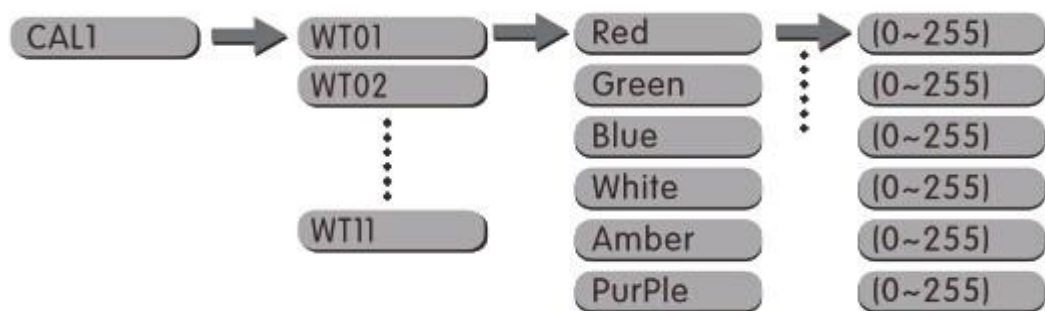
* [POWER] settings, press [ENTER] to enter into.

Press [UP/DOWN] to choose.

[HIGH]: highest power.

[NORM]: highest power times 0.9.

2.11 Color temperature balance parameters [CAL1]



* At [CAL1] menu, press [ENTER] into color temperature balance parameters settings.

Press [UP/DOWN] to choose WT[01-11] to enter into.

WT[01-11] has 6 color's parameter for optional.

【Red】. 【Green】. 【Blue】. 【White】. 【Amber】. 【PurPle】

6 color's value range [0-255].

Press [UP/DOWN] to increase or decrease.

When DMX mode is set as STAG, CH9 can find out the build in 12 color temperature. Press

【MENU】 return back to the previous menu, the parameters that you choose can automatic save.

3.1. DMX 512 channel value (STAG mode)

Channel	Value	(Control 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	0-10	Strobe close
	11-255	strobe speed adjustable
8	0-30	no value
	31-50	Red 100%/ Green UP/ Blue 0%
	51-70	Red DOWN/ Green 100%/ Blue 0%
	71-90	Red 0%/ Green100%/ Blue UP
	91-110	Red 0%/ Green DOWN/ Blue 100%
	111-130	Red UP/ Green 0%/ Blue10 0%
	131-150	Red 100%/ Green 0%/ Blue DOWN
	151-170	Red 100%/ Green UP/ Blue UP
	171-190	Red DOWN/ Green DOWN/ Blue 100%
	191-200	Red 100%/ Green 100%/ Blue 100%
	201-205	WHITE1:3200K
206-210	WHITE2:3400K	

	211-215	WHITE3:4200K
	216-220	WHITE4:4900K
	221-225	WHITE5:5600K
	226-230	WHITE6:5900K
	231-235	WHITE7:6500K
	236-240	WHITE8:7200K
	241-245	WHITE9:8000K
	246-250	WHITE10:8500K
	251-255	WHITE11:10000K

	0-20	No value
	21-30	AUTO1
	31-40	AUTO2
	41-50	AUTO3
	51-60	AUTO4
	61-70	AUTO5
	71-80	AUTO6
	81-90	AUTO7
	91-100	AUTO8
	101-110	AUTO9
	111-120	AUTO10
9	121-130	CUSTOM1
	131-140	CUSTOM2
	141-150	CUSTOM3
	161-170	CUSTOM4
	171-180	CUSTOM5
	181-190	CUSTOM6
	191-200	CUSTOM7
	201-210	CUSTOM8
	211-220	CUSTOM9
	221-230	CUSTOM10
	231-255	Sound active
10	0-255	Auto run speed
	0-9	Preset dimmer speed.
11	10-29	fastest dimming speed.
	30-69	fast dimming speed.
	70-109	faster dimming speed.
	110-169	slower dimming speed

	170-255	slowest dimming speed
12	0-9	choose or ID code at the same time
	10-209	each 10 value corresponds to one ID.
	210-255	ID21-66, each value corresponds to one ID.

3.2 .DMX512 channel sheet (ARC.1mode)

Channel	Value	(Control function)
1	0-255	Red
2	0-255	Green
3	0-255	Blue

3.3 .DMX512 Channel sheet(AR1.Dmode)

Channel	Value	(Control function)
1	0-255	Master dimmer
2	0-255	Red
3	0-255	Green
4	0-255	Blue

3.4 .DMX512 Channel sheet(ARC.2mode)

Channel	Value	(Control function)
1	0-255	Red
2	0-255	Green
3	0-255	Blue
4	0-255	White
5	0-255	Amber

3.5 .DMX512 Channel sheet (AR2.d mode)

Channel	Value	(Control 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

3.6 .DMX512 Channel sheet (AR2.S mode)

Channel	Value	(Control 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	Strobe speed adjustable

3.7 .DMX512 Channel sheet (HSV mode)

Channel	Value	(Control function)
1	0-255	H hue(0-100%)
2	0-255	S saturation (0-100%)
3	0-255	V brightness (0-100%)

STAG mode explanation: master dimmer is validity for 2, 3, 4, 5, 6, 7, 9.

CH9 亮度 CH9 priority 2,3, 4, 5, 6, 7, 8 channel, but master dimmer can adjust the brightness of CH9.

CH10 strobe, this channel is validity for 2, 3, 4, 5, 6, 7.

AUTO: CH11 priority 2,3, 4, 5, 6, 7, 9 channel, CH12 can control the speed of channel 11.

3.8 .Specifications:

21PCS RGBWA 5 in 1 LED outdoor slim light

*Voltage: AC100/240V, 50/60Hz

*Power consumption: 315W

*Light source: 21*15W (RGBWA+UV 6IN1)

*lens angle: 25 degree, 42mm lens

*Strobe: 0-16Hz, from slow to fast, adjusting

*Electronic dimmer from 0 to 100%

*Housing material: die-cast aluminum

*Control mode: Auto, Master/Slave, DMX512 signal

*DMX channels: 6 modes, 3,4,5,6,7,12 channels for optional.

*LED digital display

*Data out/in: 3 pin XLR-connection.

* IP: 65, outdoor using.