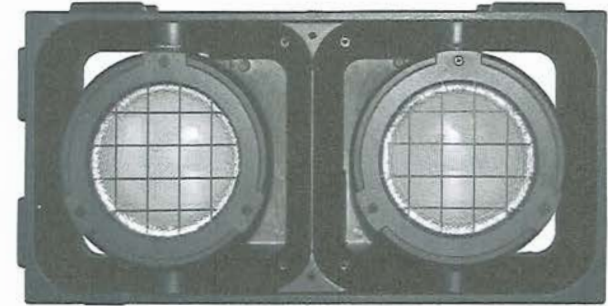


**SLAN**



## **Combined Tungsten Golden Blinder /T-Stack-2**

Note: This manual contains important information on how to install and use it safely. Please read it carefully and keep it in good condition.

## content

Security guidance information	3
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This product in the factory, the performance is intact, complete packaging. All users shall strictly comply with the warnings and operating instructions stated in this instruction manual. Any damage caused by misuse is not covered by our warranty, the distributor is not responsible for the faults and problems caused by ignoring the operation manual. This manual is subject to change without prior notice.

## Security guidance information

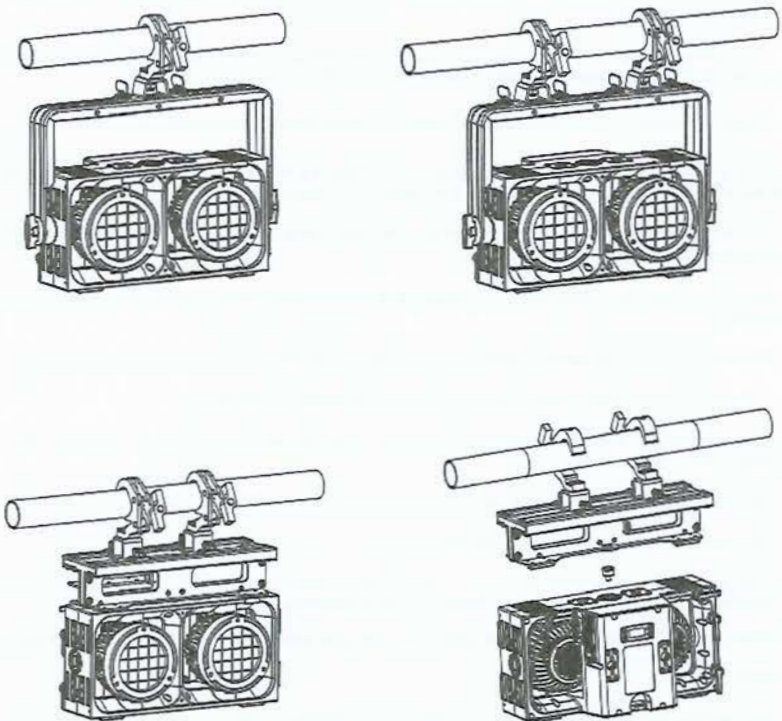


### Warning

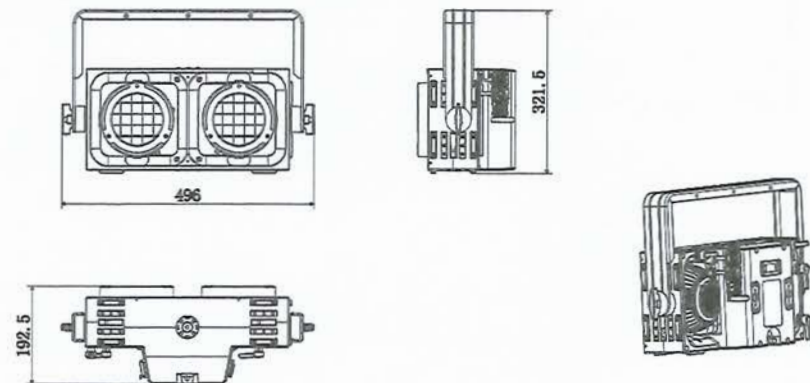
All the products are in good packing when they leave the factory. Please follow the user's manual for operation.  
Machine failure caused by man-made reasons is not covered by warranty.

- Upon receipt of the luminaire, please unpack it to check for any damage caused by transportation. In case of damage due to transportation, please do not use this lamp and contact the distributor or manufacturer as soon as possible.
- This product is suitable for indoor use, its protection level IP65, lamps should be kept clean, avoid in a wet or dusty environment, use, should be carried out every three months: maintenance.
- Please do not install the lamp directly on the surface of common combustible material. 
- Only qualified professionals can install, operate and maintain the lamps and lanterns, and ensure that the operation is strictly in accordance with the procedures described in this operation manual.
- Do not project the luminaire directly on the combustible object. Keep the distance between the luminaire and the illuminated object above 3 meters.  $\geq 3\text{m}$
- Do not look directly at the lamp light source (especially for patients with epilepsy), so as not to cause damage to the eyes!
- Please do not turn on the lamps to repair themselves, and do not make any changes to the lighting structure.
- The person who makes the electrical connection must be qualified to operate.
- Before installation, please make sure that the power supply voltage you use is the same as the voltage indicated by the luminaire.
- Each lamp shall be properly grounded and electrically installed in accordance with relevant standards.
- Do not connect this luminaire to any other dimming device.
- When the lamp is suspended at a height, for safety reasons, please put the safety rope through the handle or related parts to assist the installation, please refer to the relevant parts of this manual.
- When the LED lens and the glass cover are seriously scratched or broken, they need to be replaced.  
- After working for 5 minutes, the surface temperature of the luminaire is 45 ° C, and the surface temperature of the luminaire is 60 ° C when the luminaire is stable (after constant temperature).
- There are no user-repairable parts inside the luminaire. Before starting to operate the luminaire, please check that all the cover plates (or enclosures) are installed.
- Are the screws securely tightened. Never use a luminaire with the cover (or housing) open.
- If you have any questions or suggestions, please contact the distributor or manufacturer.

Structure and installation



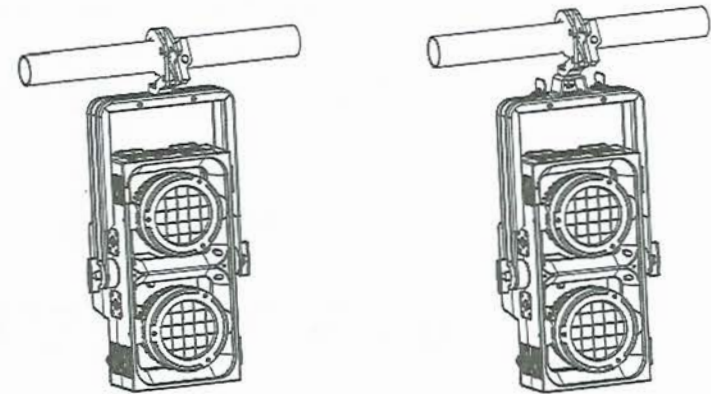
Shape and dimension drawing



## Technical Parameters

Table of technical parameters:

Optical parameters	
Light source	2x 300W Warm White+Amber+Red
Illumination	ALL: 24250Lux@1m ALL:2600Lun@3m ALL:1200Lun@5m
Color temperature	WW: 2750K (±100K)
Optical systems	
A reflector with a compound eye lens	
Color rendering index	Ra≥87
R9	R9≥87
Main wavelength	587nm
Light source life	50000hrs
Beam angle (50%)	50°
Maximum angle (10%)	87°
Pixel matrix	
Point Control/overall control	
Strobe	0~20Hz
Power supply parameters	
Input voltage and frequency	100~240VAC , 50~60Hz
Power connection	Waterproof power line input/output, the maximum number of connections 6@230V
Signal connection	Three-core waterproof signal transfer line input/output, the maximum number of connections 32
Constant power	220W
Maximum power	610W
Power factor	0.95/230V
Working Environment	-20~45℃
Switching power supply	100~240VAC , 50~60Hz
Structure parameters	
Size	Product dimensions: 465*80.3*239.8mm; Packing size: 538*320*180mm
Weight	NET weight: 10.3 kg
Protection level	IP65
Cooling system	Fan cooling
The shell	Die-cast aluminum, black (customizable color)
Installation mode	Flat ground, vertical hanging, side hanging
Control	
Control mode	DMX512/Wired RDM
DMX channel	1CH DWE/2CH DWE/4CH DWE/5CH STROBE/7CH STANDARD (default)/10CHEXTENDED/13CH EXTENDED
Display	The OLED display has four touch buttons
Refresh rate	800Hz/1200Hz/2000Hz/3600Hz/12000Hz/25000Hz
Dimmer delay	LED/Medium/Halogen
Dimming curve selection	Linear /Exponential/Logarithmic/S-Curve
Accessories	
Power&signal cable, clamps, omega, safety rope	
Standard issue	European waterproof power cord 1PCS; specification 1PCS



## DMX Signal connection



- To reduce signal errors and avoid signal attenuation and interference during transmission, a 120 ohm 1/4W resistance can be added between the 2 and 3 cores of the DMX output terminal of the last machine.

- Connect the lamp with XLR signal line. One end is connected to the output of the lamp and the other end is connected to the input of the next lamp. Signal line can only be used in series, not parallel. Because DMX512 signal transmission speed is very fast, when the signal line damage, welding is not strong, poor contact, etc., will affect the signal transmission, resulting in system shutdown.

- When the machine power supply of a unit is open, the connection between the output and input of DMX is by-pass in order to maintain the connection of DMX lines.

- Each lamp should have an address code that can receive messages from the console.

- DMX512 system terminals need to be equipped with a terminal to reduce signal transmission errors.

### DMX Address code setting

CH	Address	First address	Second address	Third address	Fourth address
1CH	001-001	001	002	003	04
2CH	001-002	001	003	005	007
4CH	001-004	001	005	009	013
5CH	001-005	001	006	011	016
7CH	001-007	001	008	015	022
10CH	001-010	001	011	021	031
13CH	001-013	001	014	027	040

(see above picture) number of lamps and lanterns added after no. 4; address code according to channel, in turn Loutui

### Power connection



POWER IN



POWER OUT

Use this product power in/out  
Connect the power cord hand in hand  
Note: for power reasons, a 1.5 square power line  
Up to 6 sets (230V)



Warning

Do not connect a single power line too many lamps, or overload work.  
Do not use power cords with damaged insulation and do not place power cords over other conductors.  
Unplug the power cord when the lamp is not being used or cleaned.  
Do not yank or drag the power cord.

The beads are not bright or flicker a little	LED damage or no current output drive board	1. Replace LED lamp beads 2. Replace damaged leds or check drive board wiring 3. Replace the corresponding driver IC
Parameters are not saved	IC corruption for storing parameters	Replace the storage IC
The whole lamp is energized and does not work	When the temperature is too high, caused by temperature control protection, switching power supply overtemperature protection does not work	Wait for the lamp body to cool before turning on

## Maintenance

In order to extend the service life of lamps and lanterns, the maintenance of lamps and lanterns is very necessary. If the outdoor environment is bad, or the lamps are placed for a long time, the water vapor and dust will accumulate in the lens cover, the lamp shell, etc. , at the same time also can prevent dust and acid gas on the shell caused by corrosion.

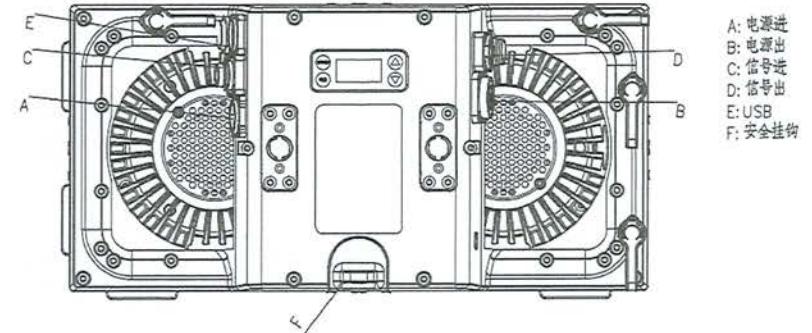
The frequency of cleaning depends on the frequency of operation and the surrounding environment. When cleaning with soft cloth and general glass cleaning products carefully wipe, recommended at least every 20 days to clean once.

Please do not use alcohol and other organic solvents to clean the lamp shell, so as not to cause damage.

## General troubleshooting

Failure phenomenon	Cause of failure	Method
No menu display	1.No AC input 2.The switching power supply is damaged 3.Display panel failure	1.Check the power lines 2.Check the voltage output of the switching power supply 3.Replace the display panel
not getting a DMX signal	1.DMX signal line failure 2.The wiring sequence of the signal line is wrong 3.Signal input received signal IC damage 4.DMX address code setting and console, the corresponding control does not match 5.Error setting other parameters 6.When you enter the menu, you don' t press the confirm key or the ESC key to exit to the main menu	1.Check or replace signal lines 2.Check the wiring order of the signal lines 3.Check whether the display panel signal accepts IC and the two resistors strung on the signal line are open 4.Check or reset the address code, or restore the factory settings and test again 5.Press ESC to exit to the main menu
The surface temperature of lamp body is over 75 °	1.LED lamp bead board thermistor failure 2.The temperature control circuit on the display board is out of order	1.Replace the thermistor 2.Check the temperature control circuit on the motherboard
Cast light mixed color uneven, uneven color spots	1.LED welding is not correct 2.The lens or bracket is not fitted properly	1.Check the welding of LED lamp bead 2.Inspect lens assembly process and adjust bracket assembly direction

## Control Panel



- A、 Power input: IP65 Waterproof POWER IN Power Cord Input Voltage: 100-240V 50/60HZ
- B、 Power output: IP65 Waterproof POWER OUT Power Cord Output voltage :100-240V 50/60HZ
- C、 DMX Input: IP68 3pin DMX IN Waterproof signal line input
- D、 DMX Output: IP65 3pin DMX OUT Waterproof signal line output
- E、 IP65 USB port for firmware updates
- F、 Safety Hook

The panel functions operate as shown in the table below:

Display panel function description			
Function	Description	Functional description	Effect
ESC (Function Keys)	Menu selection	Enter the menu selection function	Menu action
↑ (Up Key)	up	Go to the previous option	Change parameter increase
↓ (Press the button)	down	To the latter option	Change parameter reduction
ENTER (Confirm key)	Confirm	Confirm the selected function	Save the last parameter

## Main menu

Password to access main menu: 8888

First-class menu	Secondary menu	Third level menu	
1. DMX Address	001-512		
	Cancel		
	OK		
2. DMX Channel mode	1 CH DWE		
	2 CH DWE		
	4 CH DWE		
	5 CH STROBE		
	7 CH STANDARD (default)		
	10 CHEXTENDED		
	13 CHEXTENDED		
3. Manual control	Stop Manual		
	Self-propelled mode	Stop the built-in program	
		Built-in programs 1	
		Built-in programs 2	
		Built-in programs 3	
		Built-in programs 4	
		Built-in programs 5	
	Quick Light	Dimmer	
		LED1	
		LED2	
		Strobe	
4. (Language)	Chinese		
	English		
5. Slave mode	Slave mode		
6. LAMP settings	Display settings	Display reversal	
		Keep the screen bright	
		Automatic lock screen	

13	Device Settings (please see remark *1)	050-054	DMX Fail Hold (hold 3s)	
		055-059	DMX Fail - Emergency Light (hold 3s)	
		060-064	No function	
		065-069	RAW (hold 3s)	
		070-074	User Calibrated (hold 3s)	
		075-079	No function	
		080-084	LED Frequency 800Hz (hold 3s)	
		085-089	LED Frequency 1200Hz (hold 3s)	
		090-094	LED Frequency 2000Hz (hold 3s)	
		095-099	LED Frequency 3600Hz (hold 3s)	
		100-104	LED Frequency 12kHz (hold 3s)	
		105-109	LED Frequency 25kHz (hold 3s)	
		110-114	No function	
		115-119	Fan Auto (hold 3s)	
		120-124	Fan Silent (hold 3s)	
		125-129	Fan Off (hold 3s)	
		130-134	Fan High Power (hold 3s)	
		135-139	No function	
		140-144	invert Mapping On (hold 3s)	
		145-149	Invert Mapping Off (hold 3s)	
		150-154	No function	
		155-159	LED Mode - Illumination (hold 1,5s)	
		160-164	LED Mode - Boost (hold 1,5s)	
		165-169	No function	
		170-174	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250
175-179	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250		
180-255	No function			

Channel priority: Dimmer>Built-in program call>User program call>ARGBW Dimmer>HSV Dimmer >Macro instruction>Color temperature

		150-164	Strobe 6: random closing pulse (fast slow)	
		165-169	Shutter open	
		170-184	Strobe 7: burst pulse (fast slow)	
		185-189	Shutter open	
		190-204	Strobe 8: random burst pulse (fast slow)	
		205-209	Shutter open	
		210-224	Strobe 9: sine wave (fast slow)	
		225-229	Shutter open	
		230-244	Strobe 10: burst (fast slow)	
		245-255	Shutter open	
4	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064
5	Dimmer 1	000-255	0 - 100%	
6	Dimmer1 Fine	000-255	0 - 100%	
7	Dimmer 2	000-255	0 - 100%	
8	Dimmer 2 Fine	000-255	0 - 100%	
9	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings	
		052-101	Linear Dimmer Curve	
		102-152	Exponential Dimmer Curve	
		153-203	Logarithmic Dimmer Curve	
		204-255	S-Curve Dimmer Curve	
10	Dimmer Response	000-063	No Function - Current Preset from Menu Settings	
		064-127	LED / fast	
		128-191	Medium	
		192-255	Halogen / slow	
11	Redshift	000-084	No Function - Current Preset from Menu Settings	
		085-170	Redshift Off	
		171-255	Redshift On	
12	Effect	000-040	No Function	
		041-083	Effect 1 (slow to fast)	
		084-126	Effect 2 (slow to fast)	
		0127-169	Effect 3 (slow to fast)	
		170-212	Effect 4 (slow to fast)	
		213-255	Effect 5 (slow to fast)	
		000-029	No function	
		030-034	Display Backlight On (hold 3s)	
		035-039	Display Backlight Off (hold 3s)	
		040-044	No function	
		045-049	DMX Fail Blackout (hold 3s)	

	Boot mode	DMX	
		Go By yourself	
		Quick Light	
	Signal Holding	Hold on	
		Black Field	
		All lit up	
	Dimming curve	Linear	
		Index	
		Log	
		S Curve	
	Dimmer delay	LED	
		Medium	
		Halogen	
	DTW Light	Close	
		Open	
	White balance	White balance	
		User White Balance	
	Dimming frequency	800Hz	
		1200Hz	
		2000Hz	
		3600Hz	
		12000Hz	
		25000Hz	
	Fan mode	Automatic	
		Be quiet	
		Close	
	Lighting sequence	Close	
		Open	
	Transport settings	Carry DMX	
		Do not carry DMX	
	Power setting	Low power	
		High power	
	USB	No	
		yes	
	Factory setup	Restore factory settings	
		Restore user customization	
		User-defined list	
7. Lighting information	Software version	V1.0B	
	Serial number	202311280001	
	RDM Code name	0x09910000000	

	Temperature information	LED1:000	
		LED2:000	
	Power on time	Total:0000hours	
	Light up time	LED1:0000hours	
		LED2:0000hours	
	Error message		

Notes:

1. Only one computer can be set as host in the same signal line. Please remove the DMX control signal when using host function
2. The parameters that can be passed from the host include: DMX Channel Mode, display setting state, Operation Mode State (including user program data) when multiple lamps are controlled synchronously, please set this machine as host and others as slave

DMX channel table

CH	1CH DWE	2CH DWE	4CH DWE	5CH STROBE
1	Dimmer	Dimmer1	Dimmer	Master Dimmer
2		Dimmer2	Dimmer Curve	Shutter
3			Dimmer Response	Duration
4			Redshift	Dimmer 1
5				Dimmer 2

CH	7CH STANDARD (default)	10CH EXTENDED	13CH EXTENDED
1	Master Dimmer	Master Dimmer	Master Dimmer
2	Shutter	Shutter	Master Dimmer Fine
3	Dimmer 1	Duration	Shutter
4	Dimmer 2	Dimmer 1	Duration
5	Dimmer Curve	Dimmer 2	Dimmer 1
6	Dimmer Response	Dimmer Curve	Dimmer 1 Fine
7	Redshift	Dimmer Response	Dimmer 2
8		Redshift	Dimmer 2 Fine
9		Effect	Dimmer Curve
10		Device Settings	Dimmer Response
11			Redshift
12			Effect
13			Device Settings

10	Device Settings (please see remark *1)	080-084	LED Frequency 800Hz (hold 3s)	
		085-089	LED Frequency 1200Hz (hold 3s)	
		090-094	LED Frequency 2000Hz (hold 3s)	
		095-099	LED Frequency 3600Hz (hold 3s)	
		100-104	LED Frequency 12kHz (hold 3s)	
		105-109	LED Frequency 25kHz (hold 3s)	
		110-114	No function	
		115-119	Fan Auto (hold 3s)	
		120-124	Fan Silent (hold 3s)	
		125-129	Fan Off (hold 3s)	
		130-134	Fan High Power (hold 3s)	
		135-139	No function	
		140-144	Invert Mapping On (hold 3s)	
		145-149	Invert Mapping Off (hold 3s)	
		150-154	No function	
		155-159	LED Mode - Illumination (hold 1,5s)	
		160-164	LED Mode - Boost (hold 1,5s)	
		165-169	No function	
		170-174	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250
		175-179	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250
180-255	No function			

13CH EXTENDED				
CH	Function	Value	Setting	Remark
1	Master Dimmer	000-255	0-100%	
2	Master Dimmer Fine	000-255	0-100%	
3	Shutter	0-19	Shutter close	
		20-24	Shutter open	
		25-64	Strobe 1 (fast → slow)	
		65-69	Shutter open	
		70-84	Strobe 2: opening pulse (fast slow)	
		85-89	Shutter open	
		90-104	Strobe 3: closing pulse (fast slow)	
		105-109	Shutter open	
		110-124	Strobe 4: random strobe (fast slow)	
		125-129	Shutter open	
		130-144	Strobe 5: random opening pulse (fast slow)	
		145-149	Shutter open	

		185-189	Shutter open	
		190-204	Strobe 8: random burst pulse (fast slow)	
		205-209	Shutter open	
		210-224	Strobe 9: sine wave (fast slow)	
		225-229	Shutter open	
		230-244	Strobe 10: burst (fast slow)	
		245-255	Shutter open	
3	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064
4	Dimmer1	000-255	0 - 100%	
5	Dimmer2	000-255	0 - 100%	
6	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings	
		052-101	Linear Dimmer Curve	
		102-152	Exponential Dimmer Curve	
		153-203	Logarithmic Dimmer Curve	
7	Dimmer Response	000-063	No Function - Current Preset from Menu Settings	
		064-127	LED / fast	
		128-191	Medium	
		192-255	Halogen / slow	
8	Redshift	000-084	No Function - Current Preset from Menu Settings	
		085-170	Redshift Off	
		171-255	Redshift On	
9	Effect	000-040	No Function	
		041-083	Effect 1 (slow to fast)	
		084-126	Effect 2 (slow to fast)	
		0127-169	Effect 3 (slow to fast)	
		170-212	Effect 4 (slow to fast)	
		213-255	Effect 5 (slow to fast)	
		000-029	No function	
		030-034	Display Backlight On (hold 3s)	
		035-039	Display Backlight Off (hold 3s)	
		040-044	No function	
		045-049	DMX Fail Blackout (hold 3s)	
		050-054	DMX Fail Hold (hold 3s)	
		055-059	DMX Fail - Emergency Light (hold 3s)	
		060-064	No function	
		065-069	RAW (hold 3s)	
		070-074	User Calibrated (hold 3s)	
		075-079	No function	

1CH DWE				
CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0 - 100%	

2CH DWE				
CH	Function	Value	Percent/Setting	Remark
1	Dimmer1	000-255	0 - 100%	
2	Dimmer2	000-255	0 - 100%	

4CH DWE				
CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0 - 100%	
2	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings	
		052-101	Linear Dimmer Curve	
		102-152	Exponential Dimmer Curve	
		153-203	Logarithmic Dimmer Curve	
3	Dimmer Response	000-063	No Function - Current Preset from Menu Settings	
		064-127	LED / fast	
		128-191	Medium	
		192-255	Halogen / slow	
4	Redshift	000-084	No Function - Current Preset from Menu Settings	
		085-170	Redshift Off	
		171-255	Redshift On	

5CH STROBE				
CH	Function	Value	Setting	Remark
1	Master Dimmer	000-255	0-100%	
		0-19	Shutter close	
		20-24	Shutter open	
		25-64	Strobe 1 (fast → slow)	
		65-69	Shutter open	
		70-84	Strobe 2: opening pulse (fast slow)	
		85-89	Shutter open	
		90-104	Strobe 3: closing pulse (fast slow)	
		105-109	Shutter open	
		110-124	Strobe 4: random strobe (fast slow)	
		125-129	Shutter open	
		130-144	Strobe 5: random opening pulse (fast slow)	

2	Shutter	145-149	Shutter open	
		150-164	Strobe 6: random closing pulse (fast slow)	
		165-169	Shutter open	
		170-184	Strobe 7: burst pulse (fast slow)	
		185-189	Shutter open	
		190-204	Strobe 8: random burst pulse (fast slow)	
		205-209	Shutter open	
		210-224	Strobe 9: sine wave (fast slow)	
		225-229	Shutter open	
		230-244	Strobe 10: burst (fast slow)	
245-255	Shutter open			
3	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064
4	Dimmer1	000-255	0 - 100%	
5	Dimmer2	000-255	0 - 100%	

7CH STANDARD (default)				
CH	Function	Value	Setting	Remark
1	Master Dimmer	000-255	0-100%	
2	Shutter	0-19	Shutter close	
		20-24	Shutter open	
		25-64	Strobe 1 (fast → slow)	
		65-69	Shutter open	
		70-84	Strobe 2: opening pulse (fast slow)	
		85-89	Shutter open	
		90-104	Strobe 3: closing pulse (fast slow)	
		105-109	Shutter open	
		110-124	Strobe 4: random strobe (fast slow)	
		125-129	Shutter open	
		130-144	Strobe 5: random opening pulse (fast slow)	
		145-149	Shutter open	
		150-164	Strobe 6: random closing pulse (fast slow)	
		165-169	Shutter open	
		170-184	Strobe 7: burst pulse (fast slow)	
		185-189	Shutter open	
		190-204	Strobe 8: random burst pulse (fast slow)	
		205-209	Shutter open	
		210-224	Strobe 9: sine wave (fast slow)	
		225-229	Shutter open	

		230-244	Strobe 10: burst (fast slow)	
		245-255	Shutter open	
3	Dimmer1	000-255	0 - 100%	
4	Dimmer2	000-255	0 - 100%	
5	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings	
		052-101	Linear Dimmer Curve	
		102-152	Exponential Dimmer Curve	
		153-203	Logarithmic Dimmer Curve	
		204-255	S-Curve Dimmer Curve	
6	Dimmer Response	000-063	No Function - Current Preset from Menu Settings	
		064-127	LED / fast	
		128-191	Medium	
		192-255	Halogen / slow	
7	Redshift	000-084	No Function - Current Preset from Menu Settings	
		085-170	Redshift Off	
		171-255	Redshift On	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	

10CH EXTENDED				
CH	Function	Value	Setting	Remark
1	Master Dimmer	000-255	0-100%	
2	Shutter	0-19	Shutter close	
		20-24	Shutter open	
		25-64	Strobe 1 (fast → slow)	
		65-69	Shutter open	
		70-84	Strobe 2: opening pulse (fast slow)	
		85-89	Shutter open	
		90-104	Strobe 3: closing pulse (fast slow)	
		105-109	Shutter open	
		110-124	Strobe 4: random strobe (fast slow)	
		125-129	Shutter open	
		130-144	Strobe 5: random opening pulse (fast slow)	
		145-149	Shutter open	
		150-164	Strobe 6: random closing pulse (fast slow)	
		165-169	Shutter open	
		170-184	Strobe 7: burst pulse (fast slow)	