



Second-eye viewer square / B2 FC

Note: This manual contains important information on how to install and use it safely. Please read it carefully, install and operate it as required. Meanwhile, please keep the manual properly for emergenc

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This product in the factory, the performance of the intact, complete packaging. All users shall strictly comply with the warnings and operating instructions stated in this manual, any damage caused by misuse is not guaranteed by the Company and the neglect of the operating manual.

This manual is subject to technical changes without prior notice.

Safety guidance information



warning

All products are well packaged when leaving the factory, please follow the user manual,


Machine failure caused by human causes is not covered by the warranty.

- After receiving the lamp, please open it and check for any damage caused by transportation. In case of any damage caused by transportation, please do not use this lamp,

Contact the distributor or manufacturer as soon as possible.

- This product is suitable for indoor use, its protection grade is IP65, the lamps should be kept clean, avoid use in wet or excessive dust environment,

Should be done once every three months: maintenance.

- Please do not install the lamps directly on the surface of ordinary combustible substances. 

- Qualified professionals can carry out the installation, operation and maintenance of lamps, and ensure that strictly in accordance with the procedures described in the operating instructions.

- Do not project the lamp directly on the combustible object. Keep the distance between the lamp and the exposed object at more than 3 meters. $\geq 3m$

- Do not look directly at the light source of the lamp (especially for epilepsy patients), so as not to cause damage to the eyes!

- Please do not turn on the lamps to repair them by themselves, and do not make any modifications to the structure of the lamps.

- Personnel for electrical part connection must be qualified for operation.

- Before installation, please confirm that the power supply voltage you use matches the voltage identified by the lamp.

- Each lamp shall be properly grounded and electrically installed as per the relevant standards.

- Do not connect this lamp to any other dimmer device.

- When the lamp is suspended at a height, for safety reasons, please pass the safety rope equipped with the lamp through the handle or related parts for auxiliary lifting, Please refer to the relevant parts of this instruction manual for the specific installation method.

- The LED lens and glass cover should be replaced after severe scratches or rupture. 

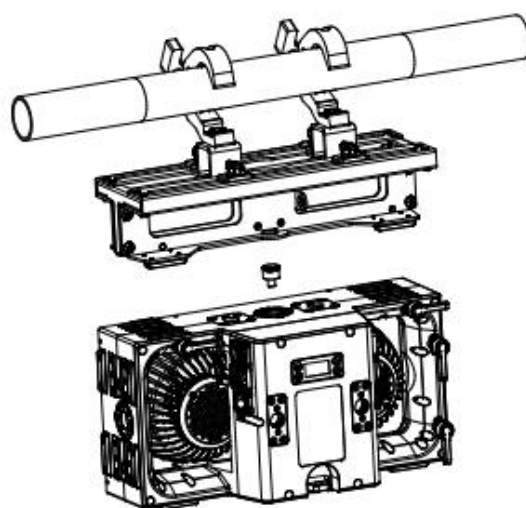
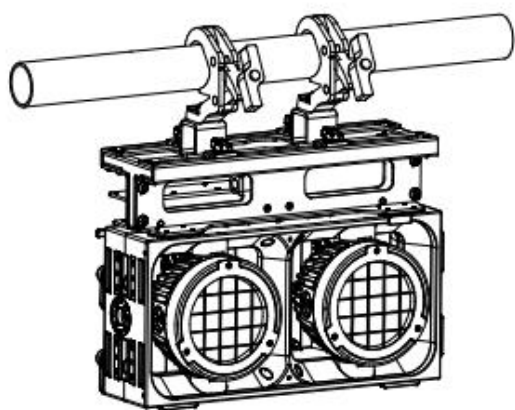
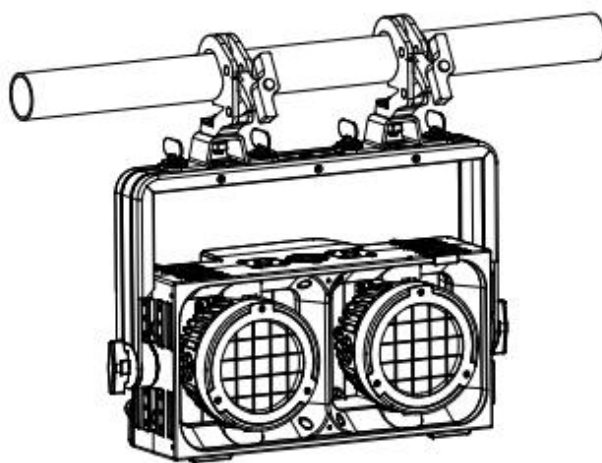
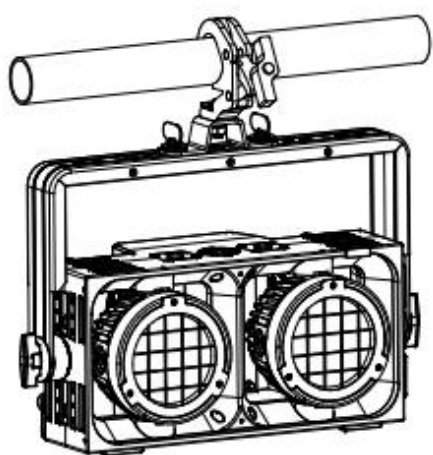
- The external surface temperature of the lamp is 45°C, and the external surface temperature of the lamp is 60°C after stable operation (after constant temperature).

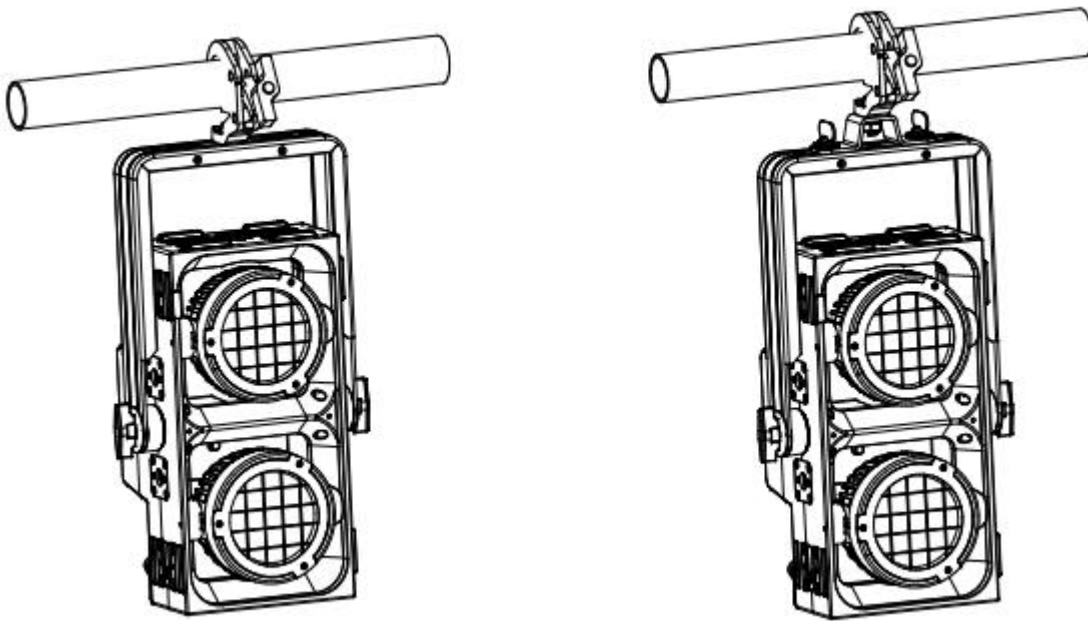
- There are no parts accessible by the user. Before operating the lamps, check that all covers (or housing) are installed,

- Whether the screw has been reliably tightened. Do not use the lamps when the cover plate (or housing) is open.

- If you have any questions or suggestions, please contact the distributor or manufacturer immediately.

Structure and installation of lamps and lanterns





DMX linkage



- In order to reduce signal errors and avoid signal weakening and interference during transmission,

A 120 ohm 1 / 4W resistance can be added between the 2 and 3 cores of the DMX output end of the last machine.

- Connect the lamp with XLR signal line, one end is connected to the output port of the lamp,

The other end is connected to the input port of the next lamp. Signal lines can only be used in series, not in parallel.

Because the DMX512 signal transmission speed is very fast, when the signal line is damaged, the welding place is not strong, the contact is not good,

Will affect the signal transmission, causing the system to shut down.

- When the machine power of a unit is disconnected, the connection between DMX output and input is bypass,

To maintain the connectivity of the DMX lines.

- Each light should have an address code that can receive the information sent from the console.

The terminal of the

- DMX512 system needs to be equipped with a terminal to reduce errors in signal transmission.

The DMX address code setting

channel	address	The first address	The second address	The third address	The fourth address
1CH	001-001	001	002	003	004
2CH	001-002	001	003	005	007
4CH	001-004	001	005	009	013
6CH	001-005	001	006	011	016
9CH	001-007	001	008	015	022
10CH	001-010	001	011	021	031
12CH	001-012	001	013	025	037
13CH	001-013	001	014	027	040
14CH	001-014	001	015	029	043
17CH	001-017	001	018	035	052
22CH	001-022	001	023	045	067
24CH	001-024	001	025	049	073
28CH	001-028	001	029	057	085
33CH	001-033	001	034	067	100
41CH	001-041	001	042	083	124

(Referring to the figure above) Number of lamps added from the fourth set; address code according to the channel

cabling



POWER IN



POWER OUT

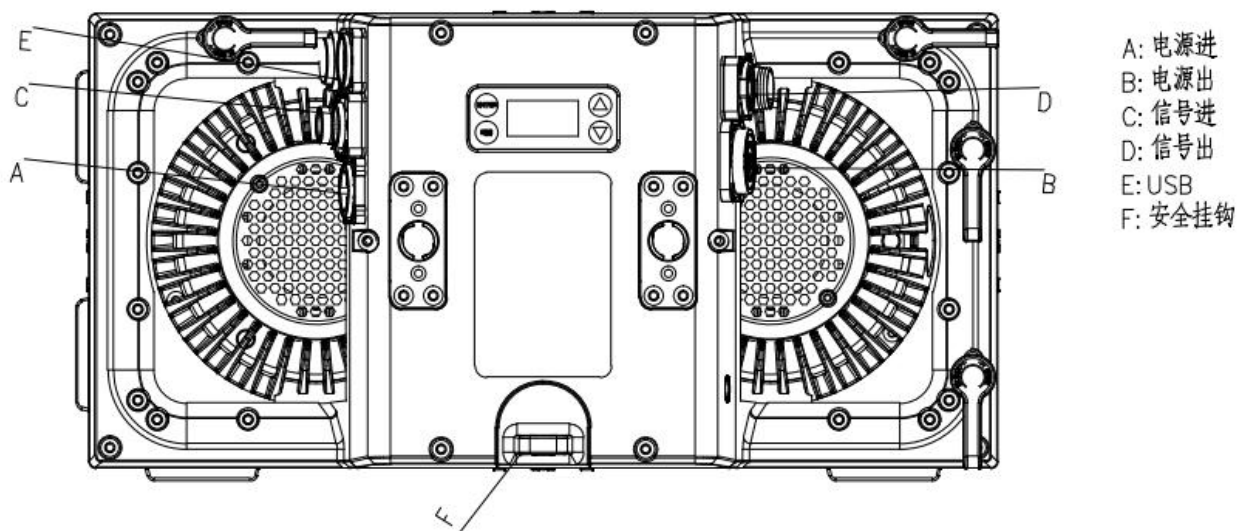
This product uses the power in / out
Connect the power cord hand in hand
Note: Due to the power, a 1.5 square power line
Up to 6 units (230V)



warn

Do not connect too many lamps or overload with a single power cable.
Do not use the power cord with damaged insulation, and do not place the power cord on other wires.
When the lamp is not in use or clean, unplug the power cord.
Do not unplug or drag the power cord.

control panel



A、Power input: IP65 waterproof POWER IN Power line input voltage: 100-240V 50 / 60 HZ

B、Power supply output: IP65 waterproof POWER OUT power supply cable output voltage 100-240V 50 / 60 HZ

C, DMX input: IP68 3 core DMX IN waterproof signal line input

D, DMX output: IP65 3 core DMX OUT waterproof signal line output

E、IP65 USB port for firmware updates

F、Safety hook

Panel function is as below:

Display the panel function description

function	explain	functional description	act on
ESC (function key)	menu selection	Enter the menu selection function	Menu operation
Admito (upper key)	falling-rising tone	To the previous option	Change the parameter increase
Admito (lower key)	Under	To the latter option	Change parameter reduction
ENTER (confirmation key)	affirm	Confirm the selected function	Save the last parameter

primary menu

Enter the main menu password: 8888

Level 1 menu	second-level menu	Level 3 menu	
1. The DMX address	001-512		
	cancel		
	confirm		
2, the DMX channel mode	1 CH DWE		
	2 CH DWE		
	4 CH DWE		
	9CH DWE+		
	6CH STROBE		
	6CH RGB		
	10CH BASIC RGB		
	14CH BASIC RGB		
	13CH STANDARD RGB		
	22CH STANDARD RGB		
	24CH EXTENDED RGB		
	24CH EXTENDED RGB		
	10CH DIRECT		
	12CH DIRECT		
	17CH DIRECT		
	28CH DIRECT		
	41CH DIRECT		
3. Manual control	Stop manual		
	Self-walking mode	Stop the built-in program	
		Built-in program 1	
		Built-in program 2	
		Built-in program 3	
		Built-in program 4	
		Built-in program 5	
		Built-in program 6	
		Built-in program 7	
		Built-in program 8	
		Built-in program 9	
		Built-in program 10	
	Color macro	Turn off color macro	
		aiming	
		Color macro	
	Light up quickly	aiming	
		strobeflash	
		red	
		green	
		blue	
		amber	
		white	
	colour temperature	aiming	
		strobeflash	
		colour temperature	

		Turn red and green	
	custom colors	Color 1	
		Color 2	
		Color 3	
		Color 4	
		Color 5	
	Color setting	Calibration mode	
		Solid color mode	
4. Language (Language)	the Chinese language		
	English		
coded lock password	Off on	Password: 8888	
5. Deliver the machine mode	From the machine mode		
6. Lighting Settings	Display settings	Displays the reversal	
		Extracts the setting	
		Automatic lock screen	
	Start mode	DMX	
		Since go	
		Light up quickly	
	The signal to keep	keep	
		Black field	
		Full bright	
	The dimming curve	linear	
		index number	
		logarithm	
		S curve	
	Tuning delay	LED	
		Medium	
		Halogen	
	DTW opening the light	close	
		open	
	white balance	white balance	
		User definition	
	Tuning frequency	800Hz	
		1200Hz	
		2000Hz	
		3600Hz	
		12000Hz	
		25000Hz	
	Fan mode	voluntarily	
		quiet	
		close	
		maximum speed	

	Light point order	close	
		open	
	Transfer Settings	carry DMX	
		Do not carry DMX	
	Power setting	low power	
		high power	
	USB	deny	
		yes	
	Factory setting	factory data reset	
		Restore the user customization	
		User-defined list	
7. Light and lamp information	software release	V1.0B	
	serial number	202311280001	
	RDM code name	0x09910000000	
	Temperature information	LED1:000	
		LED2:000	
	Power time	Total:0000hours	
	Light time	LED1:0000hours	
		LED2:0000hours	
	Report wrong information		

remarks:

1. Only one machine can be set as the host in the same signal line. Please remove the DMX control signal when using the host function
2. The parameters that can be passed from the host during the synchronous control of multiple lamps include: DMX channel mode, display setting state, operation mode state (including user program data). For parameter transmission, please set the local machine as the host and other machines as the slave

DMX channel table

CH	1CH DWE	2CH DWE	4CH DWE	9CH DWE+	6CH STROBE
1	Dimmer	Dimmer1	Dimmer 1	Master Dimmer	Master Dimmer
2		Dimmer2	Dimmer Curve	Shutter	Shutter
3			Dimmer Response	Red	Duration
4			Redshift	Green	Dimmer 1
5				Blue	Dimmer 2
6				CTC	CTC
7				Dimmer Curve	
8				Dimmer Response	
9				Redshift	

CH	6CH RGB	10CH BASIC RGB	14CH BASIC RGB	13CH STANDARD RGB
1	Red 1	Master Dimmer	Master Dimmer	Master Dimmer
2	Green 1	Shutter	Master Dimmer Fine	Shutter

3	Blue 1	Red	Shutter	Dimmer 1
4	Red 2	Green	Red	Red 1
5	Green 2	Blue	Red Fine	Green 1
6	Blue 2	CTC	Green	Blue 1
7		Tint	Green Fine	Dimmer 2
8		Color Macro	Blue	Red 2
9		Color Macro Crossfade	Blue Fine	Green 2
10		Device Settings	CTC	Blue 2
11			Tint	CTC (all)
13			Color Marco	Tint (all)
13			Color Macro Crossfade	Device Settings
14			Device Settings	

CH	22CH STANDARD RGB	24CH EXTENDED RGB	33CH EXTENDED RGB
1	Master Dimmer	Master Dimmer	Master Dimmer
2	Master Dimmer Fine	Shutter	Master Dimmer Fine
3	Shutter	Duration	Shutter
4	Dimmer 1	Dimmer 1	Duration
5	Dimmer 1 Fine	Red 1	Dimmer 1
6	Red 1	Green 1	Dimmer 1 Fine
7	Red 1 Fine	Blue 1	Red 1
8	Green 1	CTC 1	Red 1 Fine
9	Green 1 Fine	Tint 1	Green 1
10	Blue 1	Color Macro 1	Green 1 Fine
11	Blue 1 Fine	Color Macro Crossfade 1	Blue 1
12	Dimmer 2	Dimmer 2	Blue 1 Fine
13	Dimmer 2 Fine	Red 2	CTC 1
14	Red 2	Green 2	Tint 1
15	Red 2 Fine	Blue 2	Color Macro 1
16	Green 2	CTC 2	Color Macro Crossfade 1
17	Green 2 Fine	Tint 2	Dimmer 2
18	Blue 2	Color Macro 2	Dimmer 2 Fine
19	Blue 2 Fine	Color Macro Crossfade 2	Red 2
20	CTC (all)	Effect	Red 2 Fine
21	Tint (all)	Dimmer Curve	Green 2
22	Device Settings	Dimmer Response	Green 2 Fine
23		Redshift	Blue 2
24		Device Settings	Blue 2 Fine
25			CTC 2
26			Tint 2
27			Color Macro 2
28			Color Macro Crossfade 2
29			Effect
30			Dimmer Curve
31			Dimmer Response
32			Redshift
33			Device Settings

CH	10CH DIRECT	12CH DIRECT	17CH DIRECT	28CH DIRECT	41CH DIRECT
1	Red 1	Master Dimmer	Master Dimmer	Master Dimmer	Master Dimmer
2	Green 1	Shutter	Shutter	Shutter	Master Dimmer Fine
3	Blue 1	Red	Dimmer 1	Duration	Shutter
4	Amber 1	Green	Red 1	Dimmer 1	Duration

5	White 1	Blue	Green 1	Red 1	Dimmer 1
6	Red 2	Amber	Blue 1	Green 1	Dimmer 1 Fine
7	Green 2	White	Amber 1	Blue 1	Red 1
8	Blue 2	CTC	White 1	Amber 1	Red 1 Fine
9	Amber 2	Tint	Dimmer 2	White 1	Green 1
10	White 2	Color Macro	Red 2	CTC 1	Green 1 Fine
11		Color Macro Crossfade	Green 2	Tint 1	Blue 1
12		Device Settings	Blue 2	Color Macro 1	Blue 1 Fine
13			Amber 2	Color Macro Crossfade 1	Amber 1
14			White 2	Dimmer 2	Amber 1 Fine
15			CTC (all)	Red 2	White 1
16			Tint (all)	Green 2	White 1 Fine
17			Device Settings	Blue 2	CTC 1
18				Amber 2	Tint 1
19				White 2	Color Macro 1
20				CTC 2	Color Macro Crossfade 1
21				Tint 2	Dimmer 2
22				Color Macro 2	Dimmer 2 Fine
23				Color Macro Crossfade 2	Red 2
24				Effect	Red 2 Fine
25				Dimmer Curve	Green 2
26				Dimmer Response	Green 2 Fine
27				Redshift	Blue 2
28				Device Settings	Blue 2 Fine
29					Amber 2
30					Amber 2 Fine
31					White 2
32					White 2 Fine
33					CTC 2
34					Tint 2
35					Color Macro 2
36					Color Macro Crossfade 2
37					Effect
38					Dimmer Curve
39					Dimmer Response
40					Redshift
41					Device Settings

1CH DWE

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

2CH DWE

CH	Function	Value	Percent/Setting	Remark
1	Dimmer 1	000-255	0 - 100%	
2	Dimmer 2	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	
		204-255	S-Curve 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	

9CH DWE+

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	Red	000-255	0-100%	
4	Green	000-255	0-100%	
5	Blue	000-255	0-100%	
6	CTC (affects RGB)	000 - 004	2900K	according to CTC chart
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	
7	Dimmer Curve	000-051	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	
8	Dimmer Response	000-063	No Function - Current Preset from Menu Settings	
		064-127	LED / fast	
		128-191	Medium	
		192-255	Halogen / slow	
9	Redshift	000-084	No Function - Current Preset from Menu Settings	
		085-170	Redshift Off	
		171-255	Redshift On	

6CH STROBE MODE				
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)	

2	Shutter	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	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	CTC	000-004	5600K	according to CTC chart
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	

6CH RGB

CH	Function	Value	Setting	Remark
1	Red 1	000-255	0-100%	
2	Green 1	000-255	0-100%	
3	Blue 1	000-255	0-100%	
4	Red 2	000-255	0-100%	
5	Green 2	000-255	0-100%	
6	Blue 2	000-255	0-100%	

10CH BASIC RGB

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	Red	000-255	0-100%	
4	Green	000-255	0-100%	
5	Blue	000-255	0-100%	
6	CTC (affects RGB)	000-004	5600K	according to CTC chart
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	
7	Tint (affects CTC and RGB)		Tint (affects CTC and RGB)	
		000-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
8	Color Macro (overrideRGB/CTC)	000-255	Please see Pomelo color macro chart	
9	Color Macro Cross fade (Transition Time between	000-005	No function	
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	

	Color Macros)	215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
10	Device Settings (please see remark *1)	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	Linear Dimmer Curve (hold 1,5s)	
		070-074	Exponential Dimmer Curve (hold 1,5s)	
		075-079	Logarithmic Dimmer Curve (hold 1,5s)	
		080-084	S-Curve Dimmer Curve (hold 1,5s)	
		085-089	No function	
		090-094	LED (Fast) Dimmer Response (hold 1,5s)	
		095-099	Medium Dimmer Response (hold 1,5s)	
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)	
		105-109	No function	
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)	
		115-119	Redshift Off (hold 1,5s)	
		120-124	No function	
		125-129	Full Calibration (Colors & CCT / hold 3s)	
		130-134	CCT Calibration (RAW Colors / hold 3s)	
		135-139	No function	
		140-144	LED Frequency 800Hz (hold 3s)	
		145-149	LED Frequency 1200Hz (hold 3s)	
		150-154	LED Frequency 2000Hz (hold 3s)	
		155-159	LED Frequency 3600Hz (hold 3s)	
		160-164	LED Frequency 12KHz (hold 3s)	
		165-169	LED Frequency 25KHz (hold 3s)	
		170-174	No function	
		175-179	Fan Auto (hold 3s)	
		180-184	Fan Silent (hold 3s)	
		185-189	Fan Off (hold 3s)	
		190-194	Fan High Power (hold 3s)	
		195-199	No function	
		200-214	Invert Mapping Off (hold 3s)	
		215-219	Invert Mapping On (hold 3s)	
		220-224	No function	
		225-229	LED Mode - Illumination (hold 1,5s)	

		230-234	LED Mode - Boost (hold 1,5s)	
		235-239	No function	
		240-244	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250
		245-249	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX
		250-255	No function	

14CH BASIC RGB				
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	
		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	Red	000-255	0-100%	
5	Red Fine	000-255	0-100%	
6	Green	000-255	0-100%	
7	Green Fine	000-255	0-100%	

8	Blue	000-255	0-100%	
9	Blue Fine	000-255	0-100%	
10	CTC (affects RGB)	000-004	5600K	according to CTC chart
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	
11	Tint (affects CTC and RGB)	0	no function	
		000-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
12	Color Macro (overrideRGB/CTC)	000-255	Please see Pomelo color macro chart	
13	Color Macro Cross fade (Transition Time between Color Macros)	000-005	No function	
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
		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	Linear Dimmer Curve (hold 1,5s)	
		070-074	Exponential Dimmer Curve (hold 1,5s)	
		075-079	Logarithmic Dimmer Curve (hold 1,5s)	
		080-084	S-Curve Dimmer Curve (hold 1,5s)	
		085-089	No function	
		090-094	LED (Fast) Dimmer Response (hold 1,5s)	
		095-099	Medium Dimmer Response (hold 1,5s)	
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)	
		105-109	No function	
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)	
		115-119	Redshift Off (hold 1,5s)	
		120-124	No function	
		125-129	Full Calibration (Colors & CCT / hold 3s)	

14	Device Settings (please see remark *1)	130-134	CCT Calibration (RAW Colors / hold 3s)	
		135-139	No function	
		140-144	LED Frequency 800Hz (hold 3s)	
		145-149	LED Frequency 1200Hz (hold 3s)	
		150-154	LED Frequency 2000Hz (hold 3s)	
		155-159	LED Frequency 3600Hz (hold 3s)	
		160-164	LED Frequency 12KHz (hold 3s)	
		165-169	LED Frequency 25KHz (hold 3s)	
		170-174	No function	
		175-179	Fan Auto (hold 3s)	
		180-184	Fan Silent (hold 3s)	
		185-189	Fan Off (hold 3s)	
		190-194	Fan High Power (hold 3s)	
		195-199	No function	
		200-214	Invert Mapping Off (hold 3s)	
		215-219	Invert Mapping On (hold 3s)	
		220-224	No function	
		225-229	LED Mode - Illumination (hold 1,5s)	
		230-234	LED Mode - Boost (hold 1,5s)	
		235-239	No function	
		240-244	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250
		245-249	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX
		250-255	No function	

13CH STANDARD RGB				
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	

2	Shutter		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	Dimmer 1	000-255	0-100%	
4	Red 1	000-255	0-100%	
5	Green1	000-255	0-100%	
6	Blue1	000-255	0-100%	
7	Dimmer 2	000-255	0-100%	
8	Red 2	000-255	0-100%	
9	Green2	000-255	0-100%	
10	Blue2	000-255	0-100%	
11	CTC (affects RGB 1+2)	000-004	5600K	according to CTC chart
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	
12	Tint (affects CTC and RGB 1+2)	0	no function	
		000-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
		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	Linear Dimmer Curve (hold 1,5s)	
		070-074	Exponential Dimmer Curve (hold 1,5s)	
		075-079	Logarithmic Dimmer Curve (hold 1,5s)	

13	Device Settings (please see remark *1)	080-084	S-Curve Dimmer Curve (hold 1,5s)	
		085-089	No function	
		090-094	LED (Fast) Dimmer Response (hold 1,5s)	
		095-099	Medium Dimmer Response (hold 1,5s)	
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)	
		105-109	No function	
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)	
		115-119	Redshift Off (hold 1,5s)	
		120-124	No function	
		125-129	Full Calibration (Colors & CCT / hold 3s)	
		130-134	CCT Calibration (RAW Colors / hold 3s)	
		135-139	No function	
		140-144	LED Frequency 800Hz (hold 3s)	
		145-149	LED Frequency 1200Hz (hold 3s)	
		150-154	LED Frequency 2000Hz (hold 3s)	
		155-159	LED Frequency 3600Hz (hold 3s)	
		160-164	LED Frequency 12KHz (hold 3s)	
		165-169	LED Frequency 25KHz (hold 3s)	
		170-174	No function	
		175-179	Fan Auto (hold 3s)	
		180-184	Fan Silent (hold 3s)	
		185-189	Fan Off (hold 3s)	
		190-194	Fan High Power (hold 3s)	
		195-199	No function	
		200-214	Invert Mapping Off (hold 3s)	
		215-219	Invert Mapping On (hold 3s)	
		220-224	No function	
		225-229	LED Mode - Illumination (hold 1,5s)	
		230-234	LED Mode - Boost (hold 1,5s)	
		235-239	No function	
		240-244	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250
		245-249	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX
		250-255	No function	

22CH STANDARD RGB				
CH	Function	Value	Setting	Remark

1	Master Dimmer	000-255	0 - 100%	
2	MasterDimmerFine	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	
		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	Dimmer 1	000-255	0-100%	
5	Dimmer 1 Fine	000-255	0-100%	
6	Red 1	000-255	0-100%	
7	Red Fine1	000-255	0-100%	
8	Green 1	000-255	0-100%	
9	Green Fine1	000-255	0-100%	
10	Blue1	000-255	0-100%	
11	Blue Fine1	000-255	0-100%	
12	Dimmer 2	000-255	0-100%	
13	Dimmer Fine2	000-255	0-100%	
14	Red 2	000-255	0-100%	
15	Red Fine2	000-255	0-100%	
16	Green 2	000-255	0-100%	
17	Green Fine2	000-255	0-100%	
18	Blue2	000-255	0-100%	
19	Blue Fine2	000-255	0-100%	
		000-004	5600K	

20	CTC (affects RGB 1+2)	005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	according to CTC chart
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	
21	Tint (affects CTC and RGB 1+2)	0	no function	
		000-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
22	Device S ettings (please see remark *1)	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	Linear Dimmer Curve (hold 1,5s)	
		070-074	Exponential Dimmer Curve (hold 1,5s)	
		075-079	Logarithmic Dimmer Curve (hold 1,5s)	
		080-084	S-Curve Dimmer Curve (hold 1,5s)	
		085-089	No function	
		090-094	LED (Fast) Dimmer Response (hold 1,5s)	
		095-099	Medium Dimmer Response (hold 1,5s)	
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)	
		105-109	No function	
		110-114	Redshift On (hold 1,5s / affects only bet ween 2700-3500K)	
		115-119	Redshift Off (hold 1,5s)	
		120-124	No function	
		125-129	Full Calibration (Colors & CCT / hold 3s)	
		130-134	CCT Calibration (RAW Colors / hold 3s)	
		135-139	No function	
		140-144	LED Frequency 800Hz (hold 3s)	
		145-149	LED Frequency 1200Hz (hold 3s)	
		150-154	LED Frequency 2000Hz (hold 3s)	
		155-159	LED Frequency 3600Hz (hold 3s)	
		160-164	LED Frequency 12KHz (hold 3s)	
		165-169	LED Frequency 25KHz (hold 3s)	
		170-174	No function	
		175-179	Fan Auto (hold 3s)	

		180-184	Fan Silent (hold 3s)	
		185-189	Fan Off (hold 3s)	
		190-194	Fan High Power (hold 3s)	
		195-199	No function	
		200-214	Invert Mapping Off (hold 3s)	
		215-219	Invert Mapping On (hold 3s)	
		220-224	No function	
		225-229	LED Mode - Illumination (hold 1,5s)	
		230-234	LED Mode - Boost (hold 1,5s)	
		235-239	No function	
		240-244	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250
		245-249	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX
		250-255	No function	

24CH STANDARD RGB				
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	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064
4	Dimmer 1	000-255	0 - 100%	
5	Red 1	000-255	0 - 100%	
6	Green 1	000-255	0 - 100%	
7	Blue 1	000-255	0 - 100%	
8	CTC (affects RGB 1)	000-004	5600K	according to CTC chart
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	
9	Tint (affects CTC and RGB 1)	0	no function	
		000-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
10	Color Macro 1(override RGB 1/ CTC 1)		Please see Pomelo color macro chart	
11	Color Macro Cross fade (Transition Time between Color Macros)	000-005	No function	
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
12	Dimmer 2	000-255	0 - 100%	
13	Red 2	000-255	0 - 100%	
14	Green 2	000-255	0 - 100%	
15	Blue 2	000-255	0 - 100%	
16	CTC (affects RGB 2)	000-004	5600K	according to CTC chart
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	
17	Tint (affects CTC and RGB 2)	0	no function	
		000-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	

18	Color Macro 1(override RGB 2/ CTC 2)		Please see Pomelo color macro chart	
19	Color Macro Cross fade (Transition Time between Color Macros)	000-005	No function	
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
20	Effect override RGB 1+2 / CTC 1+2, Color Macro 1+2	000-015	No Function	
		016-039	Effect 1 (slow to fast)	
		040-063	Effect 2 (slow to fast)	
		064-087	Effect 3 (slow to fast)	
		088-111	Effect 4 (slow to fast)	
		112-135	Effect 5 (slow to fast)	
		136-159	Effect 6 (slow to fast)	
		160-183	Effect 7 (slow to fast)	
		184-207	Effect 8 (slow to fast)	
		208-231	Effect 9 (slow to fast)	
		232-55	Effect 10 (slow to fast)	
21	Dimmer Curve	000-051	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	
22	Dimmer Response	000-063	No Function - Current Preset from Menu Settings	
		064-127	LED / fast	
		128-191	Medium	
		192-255	Halogen / slow	
23	Redshift	000-084	No Function - Current Preset from Menu Settings	Redshift affects only between CCT 2700-3500K.
		085-170	Redshift Off	
		171-255	Redshift On	
		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	Linear Dimmer Curve (hold 1,5s)	

24	Device Settings (please see remark *1)	070-074	Exponential Dimmer Curve (hold 1,5s)	
		075-079	Logarithmic Dimmer Curve (hold 1,5s)	
		080-084	S-Curve Dimmer Curve (hold 1,5s)	
		085-089	No function	
		090-094	LED (Fast) Dimmer Response (hold 1,5s)	
		095-099	Medium Dimmer Response (hold 1,5s)	
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)	
		105-109	No function	
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)	
		115-119	Redshift Off (hold 1,5s)	
		120-124	No function	
		125-129	Full Calibration (Colors & CCT / hold 3s)	
		130-134	CCT Calibration (RAW Colors / hold 3s)	
		135-139	No function	
		140-144	LED Frequency 800Hz (hold 3s)	
		145-149	LED Frequency 1200Hz (hold 3s)	
		150-154	LED Frequency 2000Hz (hold 3s)	
		155-159	LED Frequency 3600Hz (hold 3s)	
		160-164	LED Frequency 12KHz (hold 3s)	
		165-169	LED Frequency 25KHz (hold 3s)	
		170-174	No function	
		175-179	Fan Auto (hold 3s)	
		180-184	Fan Silent (hold 3s)	
		185-189	Fan Off (hold 3s)	
		190-194	Fan High Power (hold 3s)	
		195-199	No function	
		200-214	Invert Mapping Off (hold 3s)	
		215-219	Invert Mapping On (hold 3s)	
		220-224	No function	
		225-229	LED Mode - Illumination (hold 1,5s)	
		230-234	LED Mode - Boost (hold 1,5s)	
		235-239	No function	
		240-244	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250
		245-249	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX
		250-255	No function	

33CH STANDARD RGB				
CH	Function	Value	Setting	Remark
1	Master Dimmer	000-255	0 - 100%	
2	MasterDimmerFine	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	
		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	Dimmer 1 Fine	000-255	0-100%	
7	Red 1	000-255	0-100%	
8	Red Fine1	000-255	0-100%	
9	Green 1	000-255	0-100%	
10	Green Fine1	000-255	0-100%	
11	Blue1	000-255	0-100%	
12	Blue Fine1	000-255	0-100%	
13	CTC 1 (affects RGB 1)	000-004	5600K	according to CTC chart
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	

		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	
14	Tint1 (affects CTC and RGB 1)	0	no function	
		000-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
15	Color Macro 1 (override RGB 1/ CTC 1)		Please see Pomelo color macro chart	
16	Color Macro Cross fade (Transition Time between Color Macros)	000-005	No function	
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
17	Dimmer 2	000-255	0-100%	
18	Dimmer 2 Fine	000-255	0-100%	
19	Red 2	000-255	0-100%	
20	Red Fine2	000-255	0-100%	
21	Green 2	000-255	0-100%	
22	Green Fine2	000-255	0-100%	
23	Blue2	000-255	0-100%	
24	Blue Fine2	000-255	0-100%	
25	CTC 2 (affects RGB 2)	000-004	5600K	according to CTC chart
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	
26	Tint2 (affects CTC and RGB 2)	0	no function	
		000-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
27	Color Macro 2 (override RGB 2/ CTC 1)		Please see Pomelo color macro chart	
28	Color Macro Cross fade (Transition Time between Color Macros)	000-005	No function	
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
		000-015	No Function	
		016-039	Effect 1 (slow to fast)	

29	Effect override RGB 1+2 / CTC 1+2, Color Macro 1+2	040-063	Effect 2 (slow to fast)	
		064-087	Effect 3 (slow to fast)	
		088-111	Effect 4 (slow to fast)	
		112-135	Effect 5 (slow to fast)	
		136-159	Effect 6 (slow to fast)	
		160-183	Effect 7 (slow to fast)	
		184-207	Effect 8 (slow to fast)	
		208-231	Effect 9 (slow to fast))	
		232-55	Effect 10 (slow to fast)	
30	Dimmer Curve	000-051	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	
31	Dimmer Response	000-063	No Function - Current Preset from Menu Settings	
		064-127	LED / fast	
		128-191	Medium	
		192-255	Halogen / slow	
32	Redshift	000-084	No Function - Current Preset from Menu Settings	Redshift affects only between CCT 2700- 3500K.
		085-170	Redshift Off	
		171-255	Redshift On	
33	Device Settings	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	Linear Dimmer Curve (hold 1,5s)	
		070-074	Exponential Dimmer Curve (hold 1,5s)	
		075-079	Logarithmic Dimmer Curve (hold 1,5s)	
		080-084	S-Curve Dimmer Curve (hold 1,5s)	
		085-089	No function	
		090-094	LED (Fast) Dimmer Response (hold 1,5s)	
		095-099	Medium Dimmer Response (hold 1,5s)	
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)	
		105-109	No function	
		110-114	Redshift On (hold 1,5s / affects only bet	

(please see remark *1)		ween 2700-3500K)	
	115-119	Redshift Off (hold 1,5s)	
	120-124	No function	
	125-129	Full Calibration (Colors & CCT / hold 3s)	
	130-134	CCT Calibration (RAW Colors / hold 3s)	
	135-139	No function	
	140-144	LED Frequency 800Hz (hold 3s)	
	145-149	LED Frequency 1200Hz (hold 3s)	
	150-154	LED Frequency 2000Hz (hold 3s)	
	155-159	LED Frequency 3600Hz (hold 3s)	
	160-164	LED Frequency 12KHz (hold 3s)	
	165-169	LED Frequency 25KHz (hold 3s)	
	170-174	No function	
	175-179	Fan Auto (hold 3s)	
	180-184	Fan Silent (hold 3s)	
	185-189	Fan Off (hold 3s)	
	190-194	Fan High Power (hold 3s)	
	195-199	No function	
	200-214	Invert Mapping Off (hold 3s)	
	215-219	Invert Mapping On (hold 3s)	
	220-224	No function	
	225-229	LED Mode - Illumination (hold 1,5s)	
	230-234	LED Mode - Boost (hold 1,5s)	
	235-239	No function	
	240-244	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250
	245-249	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX
	250-255	No function	

10CH DIRECT				
CH	Function	Value	Setting	Remark
1	Red 1	000-255	0-100%	
2	Green 1	000-255	0-100%	
3	Blue1	000-255	0-100%	
4	Amber 1	000-255	0-100%	
5	White 1	000-255	0-100%	
6	Red 2	000-255	0-100%	
7	Green 2	000-255	0-100%	
8	Blue2	000-255	0-100%	

9	Amber 2	000-255	0-100%	
10	White 2	000-255	0-100%	

12CH DIRECT				
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	Red 1	000-255	0-100%	
4	Green 1	000-255	0-100%	
5	Blue1	000-255	0-100%	
6	Amber 1	000-255	0-100%	
7	White 1	000-255	0-100%	
8	CTC (affects RGBAW)	000-004	5600K	according to CTC chart
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	
9		0	no function	

	Tint (affects CTC and RGBAW)	000-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
10	Color Macro (override RGB /CTC		Please see Pomelo color macro chart	
11	Color Macro Cross fade (Transition Time between Color Macros)	000-005	No function	
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
12	Device Settings (please see remark *1)	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	Linear Dimmer Curve (hold 1,5s)	
		070-074	Exponential Dimmer Curve (hold 1,5s)	
		075-079	Logarithmic Dimmer Curve (hold 1,5s)	
		080-084	S-Curve Dimmer Curve (hold 1,5s)	
		085-089	No function	
		090-094	LED (Fast) Dimmer Response (hold 1,5s)	
		095-099	Medium Dimmer Response (hold 1,5s)	
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)	
		105-109	No function	
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)	
		115-119	Redshift Off (hold 1,5s)	
		120-124	No function	
		125-129	Full Calibration (Colors & CCT / hold 3s)	
		130-134	CCT Calibration (RAW Colors / hold 3s)	
		135-139	No function	
		140-144	LED Frequency 800Hz (hold 3s)	
		145-149	LED Frequency 1200Hz (hold 3s)	
		150-154	LED Frequency 2000Hz (hold 3s)	
		155-159	LED Frequency 3600Hz (hold 3s)	
		160-164	LED Frequency 12KHz (hold 3s)	
		165-169	LED Frequency 25KHz (hold 3s)	
		170-174	No function	
		175-179	Fan Auto (hold 3s)	

		180-184	Fan Silent (hold 3s)	
		185-189	Fan Off (hold 3s)	
		190-194	Fan High Power (hold 3s)	
		195-199	No function	
		200-214	Invert Mapping Off (hold 3s)	
		215-219	Invert Mapping On (hold 3s)	
		220-224	No function	
		225-229	LED Mode - Illumination (hold 1,5s)	
		230-234	LED Mode - Boost (hold 1,5s)	
		235-239	No function	
		240-244	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250
		245-249	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX
		250-255	No function	

17CH DIRECT				
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	Red 1	000-255	0-100%	
5	Green 1	000-255	0-100%	
6	Blue1	000-255	0-100%	
7	Amber 1	000-255	0-100%	
8	White 1	000-255	0-100%	
9	Dimmer2	000-255	0-100%	
10	Red 2	000-255	0-100%	
11	Green 2	000-255	0-100%	
12	Blue2	000-255	0-100%	
13	Amber 2	000-255	0-100%	
14	White 2	000-255	0-100%	
15	CTC (affects RGBAW 1+2)	000-004	5600K	according to CTC chart
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	
16	Tint (affects CTC and RGBAW1+2)	0	no function	
		000-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
17	Device Settings (please see	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	Linear Dimmer Curve (hold 1,5s)	
		070-074	Exponential Dimmer Curve (hold 1,5s)	
		075-079	Logarithmic Dimmer Curve (hold 1,5s)	
		080-084	S-Curve Dimmer Curve (hold 1,5s)	
		085-089	No function	
		090-094	LED (Fast) Dimmer Response (hold 1,5s)	
		095-099	Medium Dimmer Response (hold 1,5s)	
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)	

	remark *1)	105-109	No function	
		110-114	Redshift On (hold 1,5s / affects only bet ween 2700-3500K)	
		115-119	Redshift Off (hold 1,5s)	
		120-124	No function	
		125-129	Full Calibration (Colors & CCT / hold 3s)	
		130-134	CCT Calibration (RAW Colors / hold 3s)	
		135-139	No function	
		140-144	LED Frequency 800Hz (hold 3s)	
		145-149	LED Frequency 1200Hz (hold 3s)	
		150-154	LED Frequency 2000Hz (hold 3s)	
		155-159	LED Frequency 3600Hz (hold 3s)	
		160-164	LED Frequency 12KHz (hold 3s)	
		165-169	LED Frequency 25KHz (hold 3s)	
		170-174	No function	
		175-179	Fan Auto (hold 3s)	
		180-184	Fan Silent (hold 3s)	
		185-189	Fan Off (hold 3s)	
		190-194	Fan High Power (hold 3s)	
		195-199	No function	
		200-214	Invert Mapping Off (hold 3s)	
		215-219	Invert Mapping On (hold 3s)	
		220-224	No function	
		225-229	LED Mode - Illumination (hold 1,5s)	
		230-234	LED Mode - Boost (hold 1,5s)	
		235-239	No function	
		240-244	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250
		245-249	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX
		250-255	No function	

28CH DIRECT				
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)	

2	Shutter	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	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064
4	Dimmer1	000-255	0 - 100%	
5	Red 1	000-255	0-100%	
6	Green 1	000-255	0-100%	
7	Blue1	000-255	0-100%	
8	Amber 1	000-255	0-100%	
9	White 1	000-255	0-100%	
10	CTC 1 (affects RGBAW 1)	000-004	5600K	according to CTC chart
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	
11	Tint 1(affects CTC1 and RGBAW1)	0	no function	
		000-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
12	Color Macro 1 (overrideRGBAW1/ CTC 1)		Please see Pomelo color macro chart	
	Color Macro Cross Fade 1 (Transition	000-005	No function	
		006-105	0,1s - 10s (0,1s steps)	

13	Time between Color Macros 1)	106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
14	Dimmer2	000-255	0 - 100%	
15	Red 2	000-255	0-100%	
16	Green 2	000-255	0-100%	
17	Blue2	000-255	0-100%	
18	Amber 2	000-255	0-100%	
19	White 2	000-255	0-100%	
20	CTC 2 (affects RGBAW 2)	000-004	5600K	according to CTC chart
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	
21	Tint 2(affects CTC2 and RGBAW2)	0	no function	
		000-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
22	Color Macro 2 (overrideRGBAW2/ CTC 2)		Please see Pomelo color macro chart	
23	Color Macro Cross Fade 2 (Transition Time between Color Macros 2)	000-005	No function	
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
24	Effect override RGB 1+2 / CTC 1+2, Color Macro 1+2	000-015	No Function	
		016-039	Effect 1 (slow to fast)	
		040-063	Effect 2 (slow to fast)	
		064-087	Effect 3 (slow to fast)	
		088-111	Effect 4 (slow to fast)	
		112-135	Effect 5 (slow to fast)	
		136-159	Effect 6 (slow to fast)	
		160-183	Effect 7 (slow to fast)	
		184-207	Effect 8 (slow to fast)	
		208-231	Effect 9 (slow to fast))	
		232-55	Effect 10 (slow to fast)	
25	Dimmer Curve	000-051	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	
26	Dimmer Response	000-063	No Function - Current Preset from Menu Settings	
		064-127	LED / fast	
		128-191	Medium	
		192-255	Halogen / slow	
27	Redshift	000-084	No Function - Current Preset from Menu Settings	Redshift affects only between CCT 2700-3500K.
		085-170	Redshift Off	
		171-255	Redshift On	
28	Device Settings (please see remark *1)	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	Linear Dimmer Curve (hold 1,5s)	
		070-074	Exponential Dimmer Curve (hold 1,5s)	
		075-079	Logarithmic Dimmer Curve (hold 1,5s)	
		080-084	S-Curve Dimmer Curve (hold 1,5s)	
		085-089	No function	
		090-094	LED (Fast) Dimmer Response (hold 1,5s)	
		095-099	Medium Dimmer Response (hold 1,5s)	
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)	
		105-109	No function	
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)	
		115-119	Redshift Off (hold 1,5s)	
		120-124	No function	
		125-129	Full Calibration (Colors & CCT / hold 3s)	
		130-134	CCT Calibration (RAW Colors / hold 3s)	
		135-139	No function	
		140-144	LED Frequency 800Hz (hold 3s)	
		145-149	LED Frequency 1200Hz (hold 3s)	
		150-154	LED Frequency 2000Hz (hold 3s)	
		155-159	LED Frequency 3600Hz (hold 3s)	
		160-164	LED Frequency 12KHz (hold 3s)	
		165-169	LED Frequency 25KHz (hold 3s)	
		170-174	No function	

		175-179	Fan Auto (hold 3s)	
		180-184	Fan Silent (hold 3s)	
		185-189	Fan Off (hold 3s)	
		190-194	Fan High Power (hold 3s)	
		195-199	No function	
		200-214	Invert Mapping Off (hold 3s)	
		215-219	Invert Mapping On (hold 3s)	
		220-224	No function	
		225-229	LED Mode - Illumination (hold 1,5s)	
		230-234	LED Mode - Boost (hold 1,5s)	
		235-239	No function	
		240-244	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250
		245-249	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX
		250-255	No function	

41CH DIRECT

CH	Function	Value	Setting	Remark
1	Master Dimmer	000-255	0 - 100%	
2	MasterDimmerFine	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	
		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	Dimmer 1 Fine	000-255	0-100%	
7	Red 1	000-255	0-100%	
8	Red Fine1	000-255	0-100%	
9	Green 1	000-255	0-100%	
10	Green Fine1	000-255	0-100%	
11	Blue1	000-255	0-100%	
12	Blue Fine1	000-255	0-100%	
13	Amber 1	000-255	0-100%	
14	Amber Fine 1	000-255	0-100%	
15	White 1	000-255	0-100%	
16	White Fine 1	000-255	0-100%	
17	CTC 1 (affects RGBAW 1)	000-004	5600K	according to CTC chart
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	
18	Tint 1(affects CTC1 and RGBAW1)	0	no function	
		000-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
19	Color Macro 1 (overrideRGBAW1/ CTC 1)		Please see Pomelo color macro chart	
20	Color Macro Cross Fade 1 (Transition Time between Color Macros 1)	000-005	No function	
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
21	Dimmer 2	000-255	0-100%	
22	Dimmer 2 Fine	000-255	0-100%	
23	Red 2	000-255	0-100%	
24	Red Fine 2	000-255	0-100%	
25	Green 2	000-255	0-100%	

26	Green Fine 2	000-255	0-100%	
27	Blue 2	000-255	0-100%	
28	Blue Fine 2	000-255	0-100%	
29	Amber 2	000-255	0-100%	
30	Amber Fine 2	000-255	0-100%	
31	White 2	000-255	0-100%	
32	White Fine 2	000-255	0-100%	
33	CTC 2 (affects RGBAW 2)	000-004	5600K	according to CTC chart
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	
		182-182	5600K	
		226-226	6500K	
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)	
34	Tint 2(affects CTC2 and RGBAW2)	0	no function	
		000-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
35	Color Macro 2 (overrideRGBAW2/ CTC 2)		Please see Pomelo color macro chart	
36	Color Macro Cross Fade 2 (Transition Time between Color Macros 2)	000-005	No function	
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
37	Effect override RGB 1+2 / CTC 1+2, Color Macro 1+2	000-015	No Function	
		016-039	Effect 1 (slow to fast)	
		040-063	Effect 2 (slow to fast)	
		064-087	Effect 3 (slow to fast)	
		088-111	Effect 4 (slow to fast)	
		112-135	Effect 5 (slow to fast)	
		136-159	Effect 6 (slow to fast)	
		160-183	Effect 7 (slow to fast)	
		184-207	Effect 8 (slow to fast)	
		208-231	Effect 9 (slow to fast))	
		232-55	Effect 10 (slow to fast)	
38	Dimmer Curve	000-051	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	

39	Dimmer Response	000-063	No Function - Current Preset from Menu Settings	
		064-127	LED / fast	
		128-191	Medium	
		192-255	Halogen / slow	
40	Redshift	000-084	No Function - Current Preset from Menu Settings	Redshift affects only between CCT 2700-3500K
		085-170	Redshift Off	
		171-255	Redshift On	
41	Device Settings (please see remark *1)	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	Linear Dimmer Curve (hold 1,5s)	
		070-074	Exponential Dimmer Curve (hold 1,5s)	
		075-079	Logarithmic Dimmer Curve (hold 1,5s)	
		080-084	S-Curve Dimmer Curve (hold 1,5s)	
		085-089	No function	
		090-094	LED (Fast) Dimmer Response (hold 1,5s)	
		095-099	Medium Dimmer Response (hold 1,5s)	
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)	
		105-109	No function	
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)	
		115-119	Redshift Off (hold 1,5s)	
		120-124	No function	
		125-129	Full Calibration (Colors & CCT / hold 3s)	
		130-134	CCT Calibration (RAW Colors / hold 3s)	
		135-139	No function	
		140-144	LED Frequency 800Hz (hold 3s)	
		145-149	LED Frequency 1200Hz (hold 3s)	
		150-154	LED Frequency 2000Hz (hold 3s)	
		155-159	LED Frequency 3600Hz (hold 3s)	
		160-164	LED Frequency 12KHz (hold 3s)	
		165-169	LED Frequency 25KHz (hold 3s)	
		170-174	No function	
		175-179	Fan Auto (hold 3s)	
		180-184	Fan Silent (hold 3s)	

		185-189	Fan Off (hold 3s)	
		190-194	Fan High Power (hold 3s)	
		195-199	No function	
		200-214	Invert Mapping Off (hold 3s)	
		215-219	Invert Mapping On (hold 3s)	
		220-224	No function	
		225-229	LED Mode - Illumination (hold 1,5s)	
		230-234	LED Mode - Boost (hold 1,5s)	
		235-239	No function	
		240-244	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250
		245-249	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX
		250-255	No function	

Channel priority: dimming> Built-in program calling> User program calling> ARGBW dimming> HSV dimming> Macro Instruction> Color temperature

tending

In order to extend the service life of lamps, the maintenance of lamps is very necessary. Outdoor use environment is relatively harsh, or the lamps and lanterns placed for a long time will also be in

The lens cover, lamp shell and other components accumulate water and dust. At this time, it is necessary to clean the lamp to optimize the light efficiency output, and also prevent dust and acid

The gas causes corrosion to the enclosure.

The number of cleaning times depends on the operation frequency of the lamps and the surrounding use environment. Carefully carefully with soft cloth and general glass cleaning products

Clean it up at least every 20 days.

Do not wipe the shell of the lamp with organic solvents such as alcohol to avoid causing damage.

General fault maintenance

fault phenomenon	failure cause	processing method
There is no menu	1. No AC input	1. Check the power supply line

display	<ul style="list-style-type: none"> 2. The switch power supply is damaged 3. Display board failure 	<ul style="list-style-type: none"> 2. Check the switch power supply for any voltage output 3. Change the display panel
DMX signal failed	<ul style="list-style-type: none"> 1. DMX signal line fault 2. Signal wire wiring sequence is wrong 3. The received signal IC of the signal input end is damaged 4. DMX address code setting and console <p>Corresponding control inconsistency</p> <ul style="list-style-type: none"> 5. Other parameters are not set correctly 6. Did not press the confirmation button after entering the menu <p>Or the Esc key exits to the main menu</p>	<ul style="list-style-type: none"> 1. Check or replace the signal line 2. Check the wiring sequence of the signal lines 3. Check the display panel signal to receive the IC and Whether the two resistors connected on the signal line are open 4. Check or reset the address code <p>Or restore the factory settings before testing</p> <ul style="list-style-type: none"> 5. Press Esc to exit to the main menu
<p>Light body surface temperature exceeds 75°</p> <p>Temperature control protection cannot be performed</p>	<ul style="list-style-type: none"> 1. Thermistor fault on the LED lamp bead board 2. The temperature control circuit on the display board fails 	<ul style="list-style-type: none"> 1. Replace the thermistor 2. Check the temperature control circuit on the main board
<p>The mixed color is uneven</p> <p>There are uneven spots</p>	<ul style="list-style-type: none"> 1. The LED welding is not correct 2. The lens or stent is not installed 	<ul style="list-style-type: none"> 1. Check the welding condition of the LED lamp beads 2. Check the lens assembly process, <p>Adjust the bracket assembly orientation</p>
The lamp beads are not light or flicker a little	The LED is damaged or the drive plate has no current output	<ul style="list-style-type: none"> 1. Replace the LED lamp beads 2. To replace the damaged LED <p>Or check the drive board wiring</p> <ul style="list-style-type: none"> 3. Change the corresponding driver IC
The parameter is not saved	IC for storage parameters	Replace storage IC
The entire lamp is not energized	<p>When the temperature is too high, the temperature control protection is caused by it</p> <p>The switching power supply is not working</p>	Wait for the light body to cool before turning on

Lamp parameters

Technical parameter table:

Optical parameters	
illuminant	2x 300W Red, Green, Blue, Amber, Warm-White
illuminance	@1 m Lux26000; @3 m Lux3400; @5 m Lux1500; @7 m Lux820; @10 m Lux399
colour temperature	8000K WW: 2000K-10000K (±100K)
optical system	Reflector with a composite ocular lens
color rendering index	Ra≥86
dominant wavelength	R630nm/G529nm/B461nm/A115nm
Light source life	For 50,000 hours
Beam angle (50%)	50°
Max. Field Angle (10%)	87°
Pixel matrix	Point control / overall control
strobeflash	0~20Hz
Power parameters	
Input voltage and frequency	100~240VAC , 50~60Hz
Power connection	Waterproof power cord input / output, maximum number of connections 6 @230V
Signal connection	Three-core waterproof signal wiring input / output, the maximum number of connections 32
Constant power	220W
maximum power	610W
power factor	0.95/230V
work environment	-20~45℃
configuration parameter	
size	Product size: 400*200*192.5mm
weight	Net weight: 10.3 kg
levels of protection	IP65
Radiation system	Fan heat dissipation
hull	Die-cast aluminum, black (customizable color)
way to install	Flat ground, vertical hanging, side hanging
control	
control method	DMX512 / wired RDM
DMX channel	1CH DWE, 2CH DWE, 4CH DWE, 9CH DWE+, 6CH STROBE, 6CH RGB, 10CH BASIC RGB, 14CH BASIC RGB, 13CH STANDARD RGB , 22CH STANDARD RGB, 24CH EXTENDED RGB, 33CH EXTENDED RGB, 10CH DIRECT, 12CH DIRECT, 17CH DIRECT, 28CH DIRECT, 41CH DIRECT
show	The OLED display has 4 light touch buttons

Refresh the frequency	800Hz/1200Hz/2000Hz/3600Hz/12000Hz/25000Hz
Tuning delay	LED/Medium /Halogen
Selection of dimming curve	Linear /Exponential/Logarithmic/S-Curve
fittings of a machine	
standard configuration	European gauge waterproof power cord 1 PCS; specification 1 PCS

outline dimensional drawing

